

2023 Budget

Final Budget

Adopted December 8, 2022

Amended December 15, 2022



**Metropolitan Water
Reclamation District
of Greater Chicago**



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

**Metropolitan Water Reclamation District of Greater Chicago
Illinois**

For the Fiscal Year Beginning

January 01, 2022

Christopher P. Morill

Executive Director

The Government Finance Officers Association of the United States and Canada (GFOA) presented a Distinguished Budget Presentation Award to Metropolitan Water Reclamation District of Greater Chicago, Illinois for its Annual Budget for the fiscal year beginning January 1, 2022. In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as a financial plan, as an operations guide, and as a communications device.

The award is valid for a period of one year only. We believe our current budget continues to conform to program requirements, and we are submitting it to GFOA to determine its eligibility for another award.



Metropolitan Water Reclamation District of Greater Chicago

2023 Budget

Final Budget

Adopted December 8, 2022
and Amended December 15, 2022

Officers

Brian A. Perkovich

Executive Director

Mary Ann Boyle

Treasurer

Allison Fore

Public & Intergovernmental Affairs Officer

Darlene A. LoCascio

Director of Procurement & Materials Management

Susan T. Morakalis

General Counsel

John P. Murray

Director of Maintenance & Operations

Catherine A. O'Connor

Director of Engineering

Edward W. Podczerwinski

Director of Monitoring & Research

Shellie A. Riedle

Administrative Services Officer

Beverly K. Sanders

Director of Human Resources

John H. Sudduth

Director of Information Technology

Jacqueline Torres

Clerk/Director of Finance

Board of Commissioners



Kari K. Steele

President



Marcelino Garcia

Chairman of Finance



Yumeka Brown

Commissioner



Cameron Davis

Commissioner



Kimberly Du Buclet

Commissioner



Patricia Theresa Flynn

Commissioner



Daniel Pogorzelski

Commissioner



Eira L. Corral Sepúlveda

Commissioner

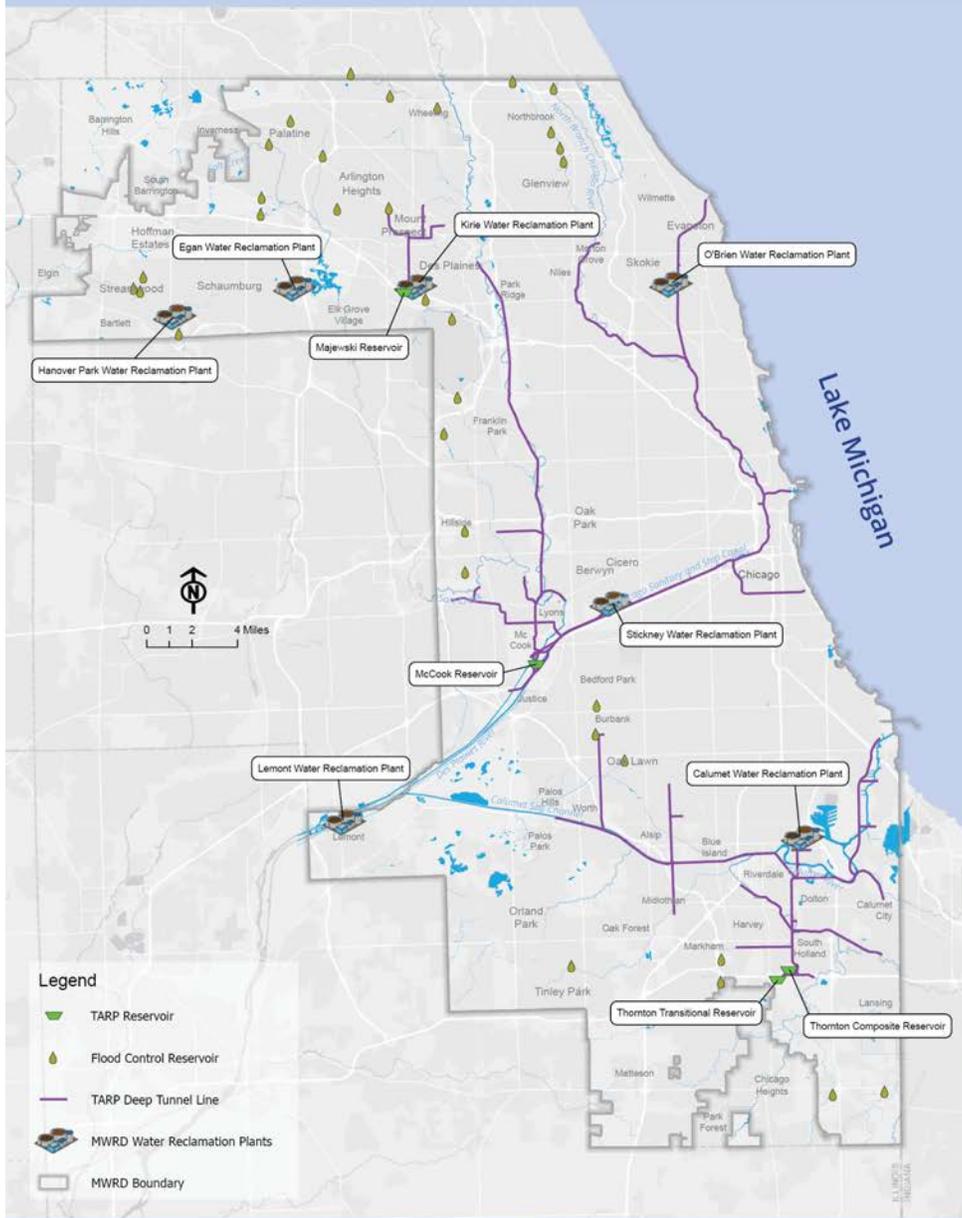


Mariyana T. Spyropoulos

Commissioner

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MWRD Summary of Wastewater Treatment Services



**RESIDENTS
5.19 MILLION
SERVED**



**882.1 SQUARE
MILES SERVED**



**7 AWARD WINNING
WATER RECLAMATION
PLANTS**



**TREATMENT CAPACITY
OVER 2.0 BILLION
GALLONS PER DAY**



**NEARLY 500
BILLION GALLONS
TREATED PER YEAR**



**AVERAGE OF 1.3
BILLION GALLONS
TREATED PER DAY**

**DESCRIPTION OF THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO:
ITS HISTORY, LOCATION, SIZE, POPULATION, AND TYPE OF GOVERNMENT**

Origin and History

The Metropolitan Water Reclamation District of Greater Chicago (District) is an independent government and taxing body encompassing approximately 93.3 percent of the land area and 98.0 percent of the assessed valuation of Cook County, Illinois.

The District is a separate legal entity sharing an overlapping tax base with the City of Chicago, the Chicago Board of Education, the County of Cook, the Cook County Forest Preserve District, the Chicago Park District, the Chicago Public Building Commission, the Cook County Community College District, and various municipalities and school districts outside the City of Chicago but within the District's boundaries.

The District was originally organized as the Sanitary District of Chicago in 1889 under an act of the Illinois General Assembly, which has been modified from time to time to increase the District's authority and jurisdiction. The enabling act in 1889 was in direct response to a long standing problem with contamination of the water supply and nuisance conditions of the rivers. The District reversed the flow of the Chicago and Calumet River Systems to stop the discharge of sewage to Lake Michigan and instead, discharge it to the Des Plaines River, where it could be diluted as it flowed into the Illinois River and eventually the Mississippi River. Prior to the District's construction of a 61.3-mile system of canals and waterway improvements, the Chicago and Calumet River Systems were tributaries to Lake Michigan. These river systems are now tributaries to the Illinois River system.

From 1955 through 1988, the District was called The Metropolitan Sanitary District of Greater Chicago. In order to provide a more accurate perception of the District's current functions and responsibilities, the name was changed effective, January 1, 1989, to the Metropolitan Water Reclamation District of Greater Chicago.

Mission and Responsibilities

The mission of the District is to protect the health and safety of the public in its service area, protect the quality of the water supply source (Lake Michigan), improve the quality of water in watercourses in its service area, protect businesses and homes from flood damages, and manage water as a vital resource for its service area.

The District collects wastewater from municipalities in its service area, conveys it to wastewater reclamation plants, provides full secondary treatment, and discharges clean water to local waterways. The District is also responsible for stormwater management for all of Cook County, including areas outside of the District's corporate boundaries for wastewater services.

Services

The District's seven modern water reclamation plants provide excellent treatment for residential and industrial wastewater, meeting permitted discharge limits virtually at all times. The treatment process is protected by a pretreatment program to guard against hazardous substances and toxic chemicals. These are strictly regulated pursuant to federal and state requirements. The District routinely monitors industries and non-residential sources to assure that wastes are disposed of in an environmentally responsible and lawful manner.

Treated wastewater, along with runoff from rainfall, enters local canals, rivers, and streams that serve as headwaters of the Illinois River system. Stormwater in the separate sewered area is controlled to reduce flood damages by a number of stormwater detention reservoirs. In the combined sewer area, the District's Tunnel and Reservoir Plan (TARP) has significantly reduced basement backup and overflows to local waterways.

Flow within the District's waterway system and the Lake Michigan discretionary diversion flow are controlled by three inlet structures on Lake Michigan: the Wilmette Pumping Station, the Chicago River Controlling Works, and the O'Brien Lock and Dam. The single outlet control structure is the Lockport Lock and Powerhouse.

While exercising no direct control over wastewater collection systems owned and maintained by cities, villages, sewer districts, and utilities, the District does control municipal sewer construction by permits outside the City of Chicago. It also owns a network of intercepting sewers to convey wastewater from the local collection systems to the water reclamation plants.

Facilities

The District is located primarily within the boundaries of Cook County, Illinois. The District serves an area of 882.1 square miles, which includes the City of Chicago and 128 surrounding suburban communities. The District serves an equivalent population of 12.72 million people; 5.19 million real people, a commercial and industrial equivalent of 5.29 million people, and a combined sewer overflow equivalent of 2.24 million people. The District's 560 miles of intercepting sewers and force mains range in size from 6 inches to 27 feet in diameter and are fed by approximately 10,000 local sewer system connections.

The TARP is one of the country's largest public works projects for pollution and flood control. Four tunnel systems total 109.4 miles of tunnels, eight to 33 feet in diameter and 150 to 300 feet underground. The tunnels are planned to empty into three large reservoirs to provide storage for the polluted water captured by TARP.

DESCRIPTION OF THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO: ITS HISTORY, LOCATION, SIZE, POPULATION, AND TYPE OF GOVERNMENT

The District owns and operates one of the world’s largest water reclamation plants, in addition to six other plants and 23 pumping stations. The District treats an average of 1.3 billion gallons of wastewater each day. The District’s total wastewater treatment capacity is over 2.0 billion gallons per day.

The District controls 76.1 miles of navigable waterways, which are part of the inland waterway system connecting the Great Lakes with the Gulf of Mexico. It also owns and operates 33 stormwater detention reservoirs to provide regional stormwater flood damage reduction.

The District recycles all of its biosolids through a farmland application program in nearby counties and local use of Exceptional Quality biosolids and composted biosolids in the Chicago metropolitan area.

Governance

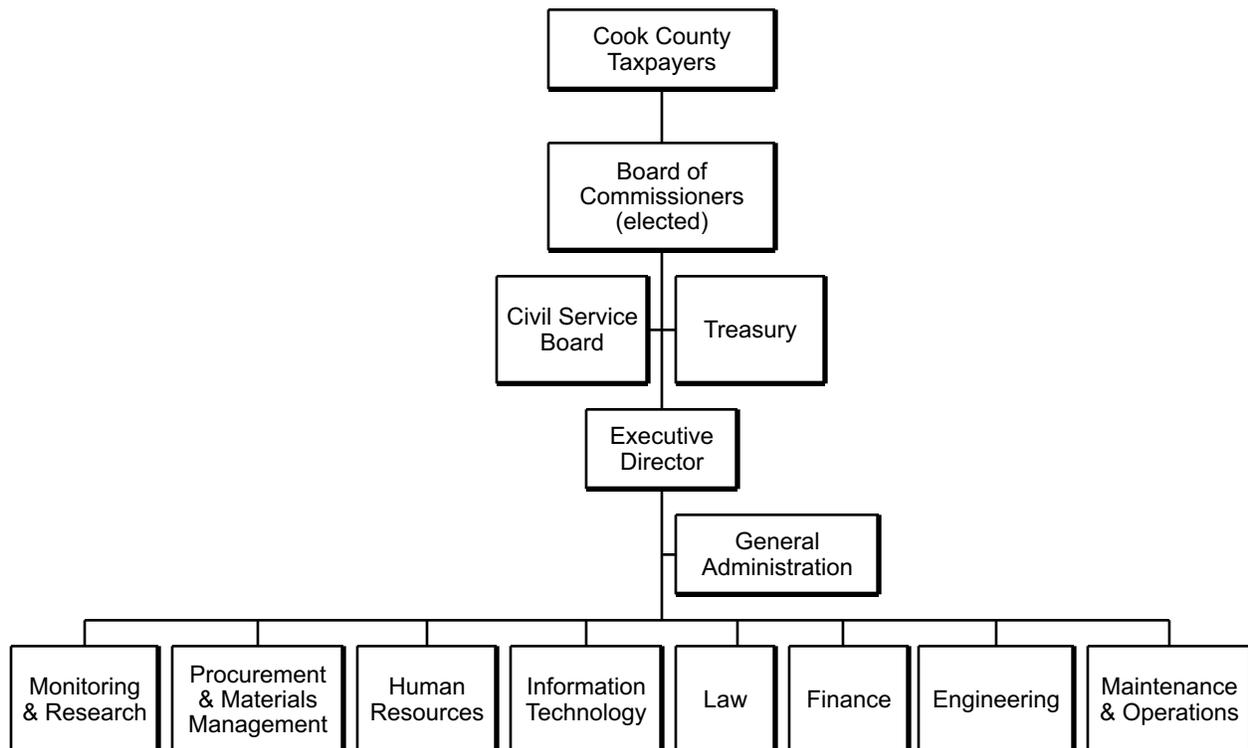
The District is governed by a nine-member Board of Commissioners (Board). Commissioners are elected at large and serve on a salaried basis. Three Commissioners are elected every two years for six-year terms. Biannually, the Board elects from its membership a President, Vice President, and Chairman of the Committee on Finance.

Organization Structure

The Executive Director, who reports directly to the Board, manages the District’s day-to-day operations. Eight appointed department heads report to the Executive Director.

The Treasurer of the District, its chief financial officer, is appointed by and reports directly to the Board.

General Administration, which includes the Administrative Services Division, Diversity Section, Environmental Justice Section, and Public Affairs Section are direct staff and support units, reporting to the Executive Director.



HOW TO USE THE DISTRICT’S BUDGET

The organization and presentation of the District’s Budget is designed to satisfy the needs of citizens, public officials, and District employees. It is organized in compliance with the Illinois Compiled Statutes and structured to meet external and internal managerial needs. As a comprehensive management and balanced financial plan, this document describes the programs, services, and resources the District provides, as well as policies and long-run financial plans.

The District’s Budget is organized as follows:

- 1) By Appropriation and Tax Levy Ordinances. Enacted by the Board of Commissioners under the authority of the Illinois Compiled Statutes, these are the legal authority allowing the District to carry out its legally mandated mission.
- 2) By Funds. These are the accounting entities segregating sums of money or other resources for the purpose of carrying on specific activities or government functions in accordance with certain legal restrictions or limitations.
- 3) By Department. These are the primary organizational units of the District.

The District’s Budget is presented in various sections, each providing the reader with specific information related to the District’s financial plans and services.

The sections are presented as follows:

- I. **BUDGET FOREWORD**. An introductory section that contains: the message from the President and the Chairman of the Committee on Budget and Employment; Strategic Plan; narratives on operational goals and accomplishments, major issues, policy and program changes; Budget Highlights; Financial Policies, Objectives, and Accomplishments; Policy Development and the Budget Process; and the beginning of the Annual Appropriation Ordinance, which gives the Budget legal authority. The full Appropriation Ordinance begins on page 58 and sections II through VII.
- II. **BUDGET AND FINANCIAL SUMMARIES, SCHEDULES, AND EXHIBITS**. These provide an overview of the District’s Budget and financial plans of the past, present, and future, including proposed tax levies, revenues, and appropriations.
- III. **FINANCIAL STATEMENTS BY FUND**. These contain detailed information on taxes and all other sources of revenue and expenditure, plus financial statements detailing current assets, current liabilities, and the amount of assets available for appropriation in 2023.
- IV. **CORPORATE FUND**. These present detailed information by department, and priority of activities, objectives, programs, performance measures, proposed line item expenditures, and staffing. The legend below shows the placement of data within the text boxes of the organizational charts. Each department provides actual, budgeted, and proposed full-time equivalent (FTE) positions over a three-year period. Salary schedules for pay plans and grades, as shown in the Position Analysis, are included in the Appendix.

| Organization Unit Number | | |
|--------------------------|----------|----------|
| Organization Unit Name | | |
| 2021 | 2022 | 2023 |
| FTE | FTE | FTE |
| Count | Count | Count |
| Actual | Budgeted | Proposed |

- V. **CAPITAL BUDGET**. The District’s current and long-term programs for capital construction, modernization, and rehabilitation are detailed in the Construction Fund and Capital Improvements Bond Fund.
- VI. **STORMWATER MANAGEMENT FUND**. The District’s current and long-term programs for the Stormwater Management Fund are detailed.
- VII. **OTHER FUNDS**. Information detailing the Reserve Claim Fund, Bond Redemption and Interest Sinking Funds, and the MWRD Retirement Fund are provided in this section.
- VIII. **TAX LEVY ORDINANCES**. These present the financial and management plan of the District as a legal document which coordinates and establishes the legal authority for the District to obtain and expend funds during the fiscal year.
- IX. **APPENDIX**. Information detailing the District’s compensation plan, glossaries, acronym list, awards, and organizational memberships. To aid the reader in finding specific information quickly, there is a Table of Contents inserted on the manila tabbed divider before each section.

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SECTION I

BUDGET FOREWORD

This section introduces the budget with explanations of the organization and structure of the District's Budget. It also presents an overview of the substance of the 2023 Budget. It includes the following:

- In the *Transmittal Letter from the President and the Vice-Chairman of the Committee on Budget and Employment*, major policies, initiatives, changes, and other significant features of the Final 2023 Budget are presented.
- In the *Strategic Plan*, an update of the strategic plan is presented.
- The *Budget Message/Highlights* section includes a statement of the District's operational goals and accomplishments and a narrative on major issues, policy, and program changes. It is in this section that broad policy, program objectives, and operational accomplishments are defined.
- In the *Financial Policies, Objectives, and Accomplishments* section, an overview of the financial guidelines and accomplishments of the District is presented.
- The *Policy Development and the Budget Process* section describes policy development and the total budget process. The detailed budget process is presented in 12 clearly stated steps with a flowchart of the budget cycle.
- The *Report of Committee on Budget and Employment* officially transmits and recommends for approval, the 2023 Budget, Annual Appropriation Ordinance, and tax levy ordinances to the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago.
- The *Annual Appropriation Ordinance* gives legal effect to the entire budget document as enacted into law by the Board of Commissioners under authority of the Illinois Compiled Statutes. It includes an explanation of the crosshatch (#) and (AC) symbols used with some personnel positions within the budget, indicating changes to positions once vacated.

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Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312.751.5600

January 3, 2023

To the Residents of the Metropolitan Water Reclamation District of Greater Chicago:

The 2023 Budget of the Metropolitan Water Reclamation District of Greater Chicago (District), as presented by the Executive Director and revised by the Committee on Budget and Employment, is a \$1.4 billion fiscally responsible spending plan that leverages federal funding to address regional and localized flooding, invests in public infrastructure, and responds to current inflationary cost increases. Without increasing the Property Tax Levy from the 2022 Budget, the District continues to address demanding operational needs and maintain a strong capital improvement plan.

The District aims to maximize opportunities to secure available grant funding. The District is partnering with Cook County to invest \$20.0 million over four years to support local stormwater management projects, utilizing American Rescue Plan funding. In 2022, the District secured \$12.0 million as a reimbursement from the U.S. Army Corps of Engineers and is pursuing an additional \$7.2 million in reimbursements. In 2023, the District will also receive \$1.5 million through Forging Resilient Communities funding. We continue to pursue Community Development Block Grant funding and Federal Emergency Management Agency funding through the Building Resilient Infrastructure and Communities and Hazard Mitigation Grant programs. Over 2022 and 2023, the District anticipates \$27.6 million and \$37.9 million, respectively, with additional funding to be received over the next four years.

Committee Hearings

The Committee on Budget and Employment received the Executive Director's Recommendations on October 11, 2022. A hearing on these recommendations was conducted on November 3, 2022, when the Executive Director and his Executive Team presented initiatives included in the 2023 Budget. The Executive Director presented a financial summary of the 2023 Budget. The District has a stable Corporate Fund and an ambitious capital improvement program.

Operating Budget

The District serves 129 communities covering nearly all of Cook County, treating an average of 1.3 billion gallons of water each day, with a total treatment capacity of 2.0 billion gallons per day at seven water reclamation plants (WRPs). The District controls 76.1 miles of navigable waterways and owns and operates 33 stormwater detention reservoirs to provide regional flood protection. In 2021, six of seven WRPs received National Association of Clean Water Agencies Platinum Peak Performance Awards for maintaining 100 percent compliance with National Pollutant Discharge Elimination System permits for at least five consecutive years. All seven WRPs have earned 99.2 percent or higher compliance since 2012.



Locally owned municipal sewers carry wastewater from 129 municipalities to the District's 560 miles of large intercepting sewers, which carry wastewater to one of seven water reclamation plants across Cook County. Tunnel and Reservoir Plan (TARP) tunnels located 150-300 feet underground capture and store excess flow during severe rain events.

The Maintenance & Operations Department maintains and operates the District's facilities and has a 2023 Budget of \$264.2 million. While the District expects that stability will return to the market in 2024, the Maintenance & Operations Department budget addresses persistent inflation, increases in the electrical energy and natural gas costs, supply chain issues, and demand for construction materials. Additionally, the department continues to address future regulatory permit requirements that will impact future costs.

The District has a long history of proactive and responsible financial management. The 2023 Corporate Fund Budget is \$475.1 million, an increase of \$36.6 million from the 2022 Budget, reflecting strong revenue performance, particularly from the Personal Property Replacement Tax (PPRT) distributions from the State of Illinois. The District will invest \$7.5 million in capital equipment purchases and technology infrastructure, recognizing that revenue performance is not projected to continue at the current rate.

Capital Budget

The District's ambitious 2023 Capital Improvement Program (CIP) modernizes aging infrastructure, prepares for changing effluent permit conditions, and addresses stormwater management capital projects. The 2023 Capital Improvement Program Budget is \$536.3 million. Of the total budget, 27.6 percent is dedicated to projects at the seven WRPs, including phosphorus removal modifications, battery improvements, and other projects necessary to modernize century-old facilities. In addition to work at the WRPs, the 2023 CIP includes \$143.3 million, or 26.7 percent, for seven intercepting sewer rehabilitation projects.

Long-range capital planning is critical to ensuring that the District continues to improve efficiency and protect the water environment while remaining affordable for the taxpayer. In addition to grant funding, the District utilizes State Revolving Fund loans, general obligation bonds, and pay-as-you-go funding to maximize taxpayer value. The District plans to allocate \$25.0 million in PPRT funding to the Construction Fund in both 2023 and 2024, enhancing the CIP funding mix. The 2023 funding ratio is 61.1 percent general obligation bonds, 21.3 percent pay-as-you-go financing, 10.2 percent State Revolving Fund loans, and 7.4 percent grants and reimbursements.

Stormwater Management

Climate change and changing weather patterns with intense bursts of precipitation can quickly overwhelm systems throughout the region. The District has been proactive addressing climate changes and successful in obtaining grant funding for stormwater projects.

The District has secured \$12.0 million and is seeking an additional \$7.2 million through reimbursements from the U.S. Army Corps of Engineers to help fund the Robbins Stormwater Park and Midlothian Creek restoration project that will increase the existing stormwater drainage system, mitigate flooding for homes and businesses, strengthen the community, and revitalize Robbins. This project, a partnership between the District, the Village of Robbins, and other local, state, and federal officials, is one example of the important work that the District is doing throughout the region to help address flooding in disproportionately impacted areas.



The District partnered with the City of Park Ridge to develop an underground storage facility below the surface of Marvin Parkway to mitigate flooding and retain about 750,000 gallons of water.

The Addison Creek Reservoir and the Addison Creek Channel improvements projects are another example of a construction project that was partially funded through a \$5.0 million federally-funded grant administered by Cook County. The reservoir construction and various Addison Creek Channel improvements will provide flood control benefits for communities along Addison Creek, including Bellwood, Northlake, Stone Park, Melrose Park, Westchester, and Broadview. The two projects are estimated to reduce flooding for around 2,200 structures and remove an estimated 1,700 structures from the flood plain.

The 2023 Budget continues the District's commitment to reduce flooding. The 2023 Stormwater Management Fund Budget is \$129.0 million to further our investment in flood control projects and support of local stormwater issues. The 2023 Property Tax Levy is \$52.5 million.

2021-2025 Strategic Plan

The District's annual budget preparation process continues to rely on the following Strategic Plan principles to inform development of strategies, initiatives, and funding priorities.

- **Engagement** - Including a broad range of interested parties in the creation and implementation of key initiatives.
- **Collaboration** - Working with other entities to ensure "One Water" management of the water ecosystem.
- **Equity** - Ensuring the fair treatment, access, opportunity, and advancement of all people, including identifying and eliminating barriers that may have prevented the full participation of some groups.
- **Innovation** - Exploring fresh approaches to key challenges, including through partnerships with universities and other entities.
- **Resilience** - Anticipating disruptions to the environment, economy, and equity, and addressing them proactively.



The District is committed to water stewardship and incorporated strategies that maintain a high level of performance in the Strategic Plan.

The 2021-2025 Strategic Plan concluded its first year in June 2022 and is approximately 15 percent completed. The 2023 budget includes \$12.1 million to support Strategic Plan implementation including two additional positions to implement the District's Environmental Justice and Diversity, Equity, and Inclusion efforts and establishes a division for Strategic Planning and Innovation. Major District-wide performance indicators for each of the five Strategic Goals and the status of these measures can be found on the Strategic Plan Hub (<https://mwr.org/strategic-plan-0>).

Financial Summary

The District continues to maintain a AAA bond rating from Fitch Ratings and has been upgraded to a AA+ bond rating from AA by Standard & Poor's. The District's funding policies for both the Retirement Fund and Other Postemployment Benefits Fund demonstrate the District's commitment to long-term fiscal management and contribute to strong credit ratings.

The District remains committed to fully funding the MWRD Retirement Fund. The 2023 Budget includes a \$30 million transfer of budgetary reserves to maintain the Retirement Fund's funded ratio, mirroring a transfer that was completed in 2022. While these transfers are effective in maintaining the funded ratio, the District's goal of having a fully funded plan by 2050 will benefit from alternative funding options.



The District has planted more than 23 acres of milkweed that absorb stormwater and encouraged more than 7,600 people to sign an online pledge to protect the butterflies.

On April 22, 2022, the Governor signed Public Act 102-0707 allowing the District to issue up to \$600 million of Pension Obligation Bonds, the authorization has no sunset date, and the unlimited tax bonds would be excepted from debt service extension base limitations. The District will complete a full analysis of a potential bond sale based upon varying interest rates. Any bond issuance will only be pursued if an optimal low interest rate environment provided the opportunity and is reflected as a \$250 million Pension Obligation Bond transfer to the Retirement Fund in the total appropriation.

The District's property tax levy is statutorily limited in the aggregate to an annual increase of five percent or the Consumer Price Index (CPI), whichever is lower for all purposes except Stormwater Management and the payment of bond redemption and interest. While CPI is projected to end 2022 at approximately 6.9 percent, the District recommends a 1.9 percent increase in the aggregate and no increase to the overall tax levy, demonstrating the District's continued commitment to providing taxpayer value to the residents of Cook County.

The District’s appropriation and tax levy for the 2023 Budget, compared to the 2022 Budget as Adjusted is:

| | <u>2023</u> | <u>2022 Adjusted</u> | <u>Increase (Decrease)</u> | <u>Percent Change</u> |
|----------------------------------|---------------|----------------------|--------------------------------|---------------------------|
| Total Tax Levy \$ | 679,235,744 | \$ 679,243,770 | \$ (8,026) | —% |
| Aggregate Levy \$ | 378,245,000 | \$ 371,053,900 | \$ 7,191,100 | 1.9% |
| Appropriation \$ | 1,432,153,683 | \$ 1,293,723,736 | \$ 138,429,947 | 10.7% |
| Pension Obligation Bond Proceeds | 249,204,500 | — | 249,204,500 | — |
| Total Appropriation \$ | 1,681,358,183 | \$ 1,293,723,736 | \$ 387,634,447 | 30.0% |

Conclusion

Using the Strategic Plan as a guideline to establish priorities, the operation, maintenance, and investment in the District’s infrastructure, flood control projects, and other essential services will continue to receive primary focus. The 2023 Budget continues our conservative fiscal management and includes the policies, objectives, and resources to allow the District to remain true to our mission of protecting our water environment and the health of the residents of Cook County.

Respectfully submitted,



Kari K. Steele
President of the Board of Commissioners



Kimberly Du Buclet
Vice-Chairman, Committee on Budget and Employment

UPDATE TO THE 2021-2025 STRATEGIC PLAN (Updated September 2022)

The 2021-2025 Strategic Plan concluded its first year in June 2022 and is approximately 15 percent completed. Achievements from this first year include:

- Expanded District biosolids utilization as a soil amendment. New sites included an Illinois International Port District brownfield, a Costco construction site in Plainfield, the vegetation of a constructed berm at a quarry in Lyons, and multiple area golf courses;
- Convened an advisory committee of collaborative governmental entities and agencies comprising several local, County, and State agencies to provide input to stormwater planning activities being led by the District, including site-specific master plans as well as the development of a Volumetric Approach tool to assess overall flood storage needs towards addressing urban flooding;
- Added an employer-funded health reimbursement arrangement account to the District employee benefits plan to pay for qualified out-of-pocket medical, dental, and vision expenses for the employee and eligible dependents;
- Established a Community Partnership Council (formerly known as Community Advisory Council) at the Calumet Water Reclamation Plant to hear and focus on the needs of the surrounding communities;
- Lobbied for and received legislative authority to issue up to \$600.0 million of Pension Obligation Bonds to supplement funding to the Retirement Fund and improve its funded ratio;
- Launched a public-facing Strategic Plan Hub (<https://mwr.org/strategic-plan-0>). The Hub is designed to provide District stakeholders with periodic updates on Strategic Plan progress and developments, and it will incorporate more robust data and improve the user experience as it undergoes subsequent updates.



A review of the Strategic Plan is required on an annual basis and its first update was completed in September 2022. The Strategic Plan Implementation Team, Executive Team, and Steering Committee performed a high-level review of the published Plan in light of trends and changes that occurred during the past year. No changes to the five main Strategic Goals were required, but revisions were needed to their Strategies, Success Measures, and associated Targets.

The updated Strategic Plan follows and can also be found on the Strategic Plan Hub linked above.

INTRODUCTION

In the fall of 2020, the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago (MWRD) and the MWRD Executive Team began working together to develop the 2021-2025 Strategic Plan. This new plan builds on the accomplishments of the 2015-2020 Strategic Plan by:

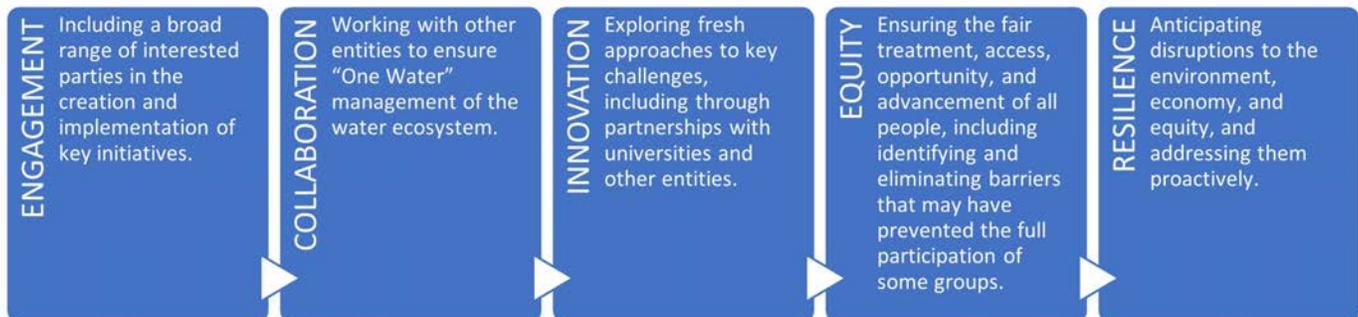
- Articulating the MWRD’s strategic goals for the next five years;
- Identifying a set of strategies and initiatives to achieve those goals;
- Providing measures (both qualitative and quantitative) and targets to assess progress;
- Establishing a framework to review and update the Strategic Plan on an annual basis.

A Steering Committee was formed to oversee the effort, which includes the following members:

- Commissioner Marcelino Garcia, co-chair
- Commissioner Debra Shore, co-chair
- Brian Perkovich, Executive Director
- Mary Ann Boyle, Treasurer
- Susan Morakalis, General Counsel
- John Murray, Director of Maintenance and Operations
- Catherine O’Connor, Director of Engineering

From September 2020 through February 2021, the Steering Committee led a multi-phase strategic planning process, against the backdrop of a global pandemic and the growing threat of climate change, using the lens of racial and social equity in the communities served by the MWRD.

Outreach was a critical part of the process - including outreach to MWRD staff, local governments, members of the public, and others - to ensure the inclusion of a range of perspectives in the development of the Strategic Plan. During that outreach, several consistent themes emerged. Those themes are reflected in the following guiding principles, which informed the development of strategies and initiatives for the new Strategic Plan:



Strategic Planning Process

The strategic planning process included significant engagement from a range of interested parties to gather their perspectives on the MWRD’s strategic direction, including:

- In-depth interviews with the MWRD’s Executive Team and Board of Commissioners;
- A **Workshop**, facilitated by Arup, which engaged approximately 50 attendees, including local governments, community organizations, regional planning and policy organizations, environmental organizations, and others;
- An **Employee Survey** that garnered almost 550 responses from MWRD staff;
- **Public-facing Surveys** that provided the opportunity for more than 200 members of the public to offer their ideas and feedback;
- A review of internal documents and existing performance measures.

The Steering Committee then participated in a two-day **Strategic Planning Workshop** to consider input from the engagement process and align on five overarching strategic goals for the new Plan.

Working Groups were then formed around each strategic goal that included representatives from the MWRD’s Executive Team, Board of Commissioners, and more than 50 members of MWRD staff who were selected based on their expertise and commitment to the MWRD’s ongoing success. These Working Groups were tasked with the continued development and finalization of 32 strategies that support the five strategic goals, as well as measures to gauge progress.

The following pages summarize the MWRD's 2021-2025 Strategic Plan. It includes an overview of the MWRD and the community it serves; the MWRD's mission, vision, and values; the overarching strategic goals that will guide the MWRD over the next five years; and strategies to achieve each of those goals. Each strategy is supported by an internal action plan that includes specific initiatives, activities, and timeframes that will be tracked throughout the implementation of the Strategic Plan.

The ongoing implementation of the Strategic Plan, as well as the annual update process described below, will be led by the Steering Committee with oversight from the Board of Commissioners.

Annual Strategic Plan Update

The MWRD will update the 2021-2025 Strategic Plan on a yearly basis. The update process will include:

- A high-level review of trends to identify any changes that may affect strategies and initiatives. For example, this review will consider any needed updates to the assumptions about climate change, as well as any new trends that need to be taken into account;
- An assessment of any major organizational changes that may impact the Strategic Plan;
- An evaluation of strategies, baseline and stretch targets, and initiatives (which are included in the internal action plan). Progress against each strategy will be evaluated, successes and failures will be examined, and any new issues that need to be addressed will be incorporated into the updated Strategic Plan.

The update process will be led by the Steering Committee, supported by the Working Groups that were assigned to specific strategic goals, with oversight from the Board of Commissioners. It will be coordinated with the annual budget process, which will allow the consideration of updates that require additional resources during the budget process and will ensure that the updated Strategic Plan and annual budget are aligned.

OVERVIEW

The Metropolitan Water Reclamation District of Greater Chicago (MWRD) is an award-winning, special-purpose district responsible for treating wastewater and providing stormwater management for residents and businesses in Cook County. With 1,957 employees, it has an annual budget of \$1.7 billion and maintains AAA/AA+ credit ratings. A nine-member Board of Commissioners governs the MWRD; each Commissioner is elected at large and serves a six-year term.

The MWRD owns and operates seven water reclamation plants, 560 miles of intercepting sewers and force mains, 23 pumping stations, 33 stormwater detention reservoirs, and three Tunnel and Reservoir Plan reservoirs. In addition, the MWRD controls 76.1 miles of navigable waterways, which are part of the inland waterway system connecting the Great Lakes with the Gulf of Mexico. Each day, the MWRD cleans an average of 1.3 billion gallons of wastewater, while recovering and reusing valuable resources such as energy, biosolids, algae, phosphorus, nitrogen, and other nutrients that are removed from the wastewater stream.

The wastewater collection and treatment processes are performed in compliance with discharge permits issued by the Illinois Environmental Protection Agency (EPA). The MWRD's high level of performance is reflected in its 100% overall compliance with the EPA's National Pollutant Discharge Elimination System (NPDES) requirements in 2021, as well as recognition from the National Association of Clean Water Agencies - including six Platinum and one Gold Peak Performance Awards. In addition, as the stormwater management agency for Cook County, the MWRD partners with communities to build capital improvement and green infrastructure projects that address regional and local flooding issues. The MWRD also administers the Watershed Management Ordinance and manages a flood-prone property acquisition program that removes homes built in the floodplain. Through these and other efforts, the MWRD is working to manage stormwater, prevent flooding, and build a more resilient Cook County.



Mission, Vision, Values

The MWRD’s mission, vision, and values, illustrated below, serve as a high-level framework for the 2021-2025 Strategic Plan. By comparison, the specific goals, strategies, and success measures included in the Strategic Plan provide a detailed roadmap for the MWRD over the next five years.

The mission statement describes the MWRD’s role within its service area and remains unchanged since the last Strategic Plan. However, as a result of the strategic planning process, the desired future state summarized in the MWRD’s vision has been updated, and the MWRD’s core values have been expanded to include the values of equity and diversity.

| | |
|----------------|--|
| Mission | The MWRD will protect the health and safety of the public in its service area, protect the quality of the water supply source (Lake Michigan), improve the quality of water in watercourses in its service area, protect businesses and homes from flood damages, and manage water as a vital resource for its service area. |
| Vision | We will continue to be a world-leading wastewater and stormwater management utility focused on flooding mitigation, resource recovery, sustainability, resilience, and innovation. |
| Values | <p>Excellence</p> <p>We believe excellence is a never-ending journey to exceed the expectations placed upon us as individuals and as an organization.</p> <p>Respect</p> <p>We create an atmosphere of open communication that rewards commitment and performance and is responsive to the needs of our employees and communities.</p> <p>Innovation</p> <p>We endeavor to foster a culture of creativity to find solutions to the operational and environmental challenges facing us in order to build a more resilient region.</p> <p>Safety</p> <p>We are dedicated to safeguarding our greatest assets, our employees, as well as the environment and our communities.</p> <p>Equity and Diversity</p> <p>We strive in all areas of our work to treat people in a fair and just manner, to have a workforce and work practices that reflect the diversity of our region, and to ensure the full participation of all groups in our programs and services.</p> <p>Accountability</p> <p>We fulfill our responsibilities by being accountable to the people we serve, each other, and our environment in a prudent manner.</p> |

History

The MWRD has been improving the environment and protecting public health since its inception as the Sanitary District of Chicago in 1889. At that time, a polluted river flowed directly into Lake Michigan, contaminating the water supply for the City of Chicago and causing waterborne illnesses. The Sanitary District’s first priority was reversing the flow of the Chicago and Calumet River Systems to prevent the discharge of sewage into Lake Michigan. Instead, flow was diverted into the Des Plaines River, followed by the Illinois River, and eventually the Mississippi River.

To reverse the river system, the Sanitary District had to construct a 61.3-mile system of canals and waterway improvements that cut through the subcontinental dividing ridge, allowing the river to flow by gravity away from the lake.

This engineering marvel not only improved environmental conditions for the residents of Chicago but also helped to distinguish the agency around the world and set a tone of visionary environmental engineering accomplishments and scientific breakthroughs. The Sanitary District went on to build a hydropower plant, intercepting sewers, pumping stations, and water reclamation plants to clean water, and the agency’s mission grew from protecting the lake to creating a flourishing new waterway system.

The groundbreaking construction of the Chicago Sanitary and Ship Canal led to the creation of the Chicago Area Waterway System (CAWS) and the reversal of the Chicago River to protect the region's water environment.



Bubbly Creek in the early 1900s (L) and the same area of Bubbly Creek today (R).

These early advancements were followed by a century of innovation, including the construction of the Tunnel and Reservoir Plan (TARP), flood control facilities, aeration stations, nutrient recovery facilities, and green infrastructure projects. From 1955 through 1988, the District was called the Metropolitan Sanitary District of Greater Chicago. In 1989, the name was changed to the Metropolitan Water Reclamation District of Greater Chicago to more accurately reflect the agency's expanding functions and responsibilities.

Today, the MWRD operates the world's largest water reclamation facility, the world's largest nutrient recovery facility, the world's largest wastewater treatment ultra-violet (UV) disinfection installation, and the world's largest combined sewer reservoir.



Clockwise from top left: Construction of Des Plaines Tunnel; construction of Thornton Reservoir; SEPA 5 aeration station; phosphorus recovery at Stickney Water Reclamation Plant, UV disinfection facility at O'Brien Water Reclamation Plant; green infrastructure in Pilsen.



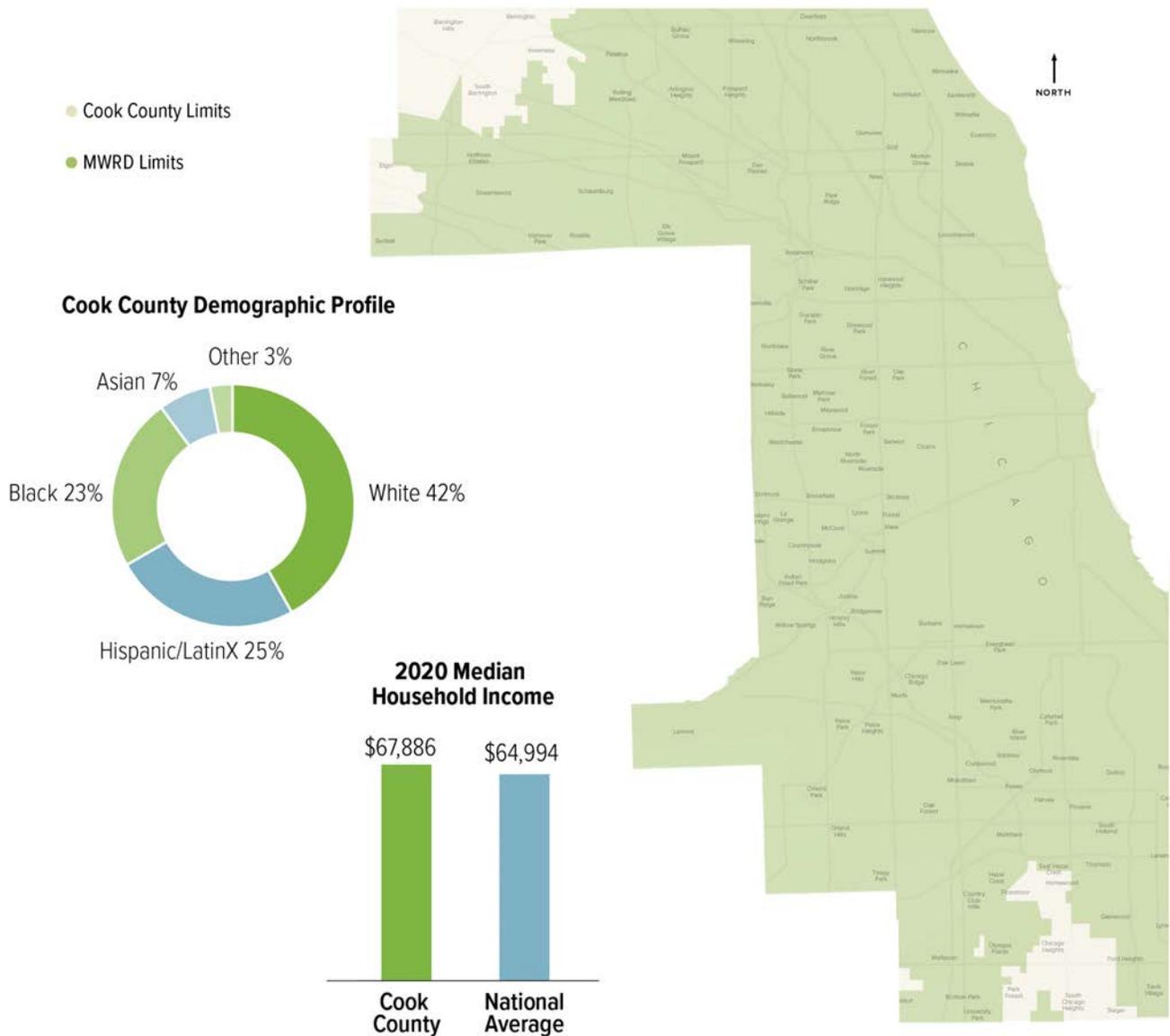
Community Profile

The MWRD’s service area encompasses 882.1 square miles and includes the City of Chicago and 128 suburban communities throughout Cook County. It serves an equivalent population of 12.72 million people; 5.19 million real people, a commercial and industrial equivalent of 5.29 million people, and a combined sewer overflow (CSO) equivalent of 2.24 million people.

As illustrated in the map below, the MWRD provides wastewater treatment services for those communities that lie within its corporate boundary - including most of Cook County. By comparison, the MWRD is the stormwater management agency for all of Cook County.

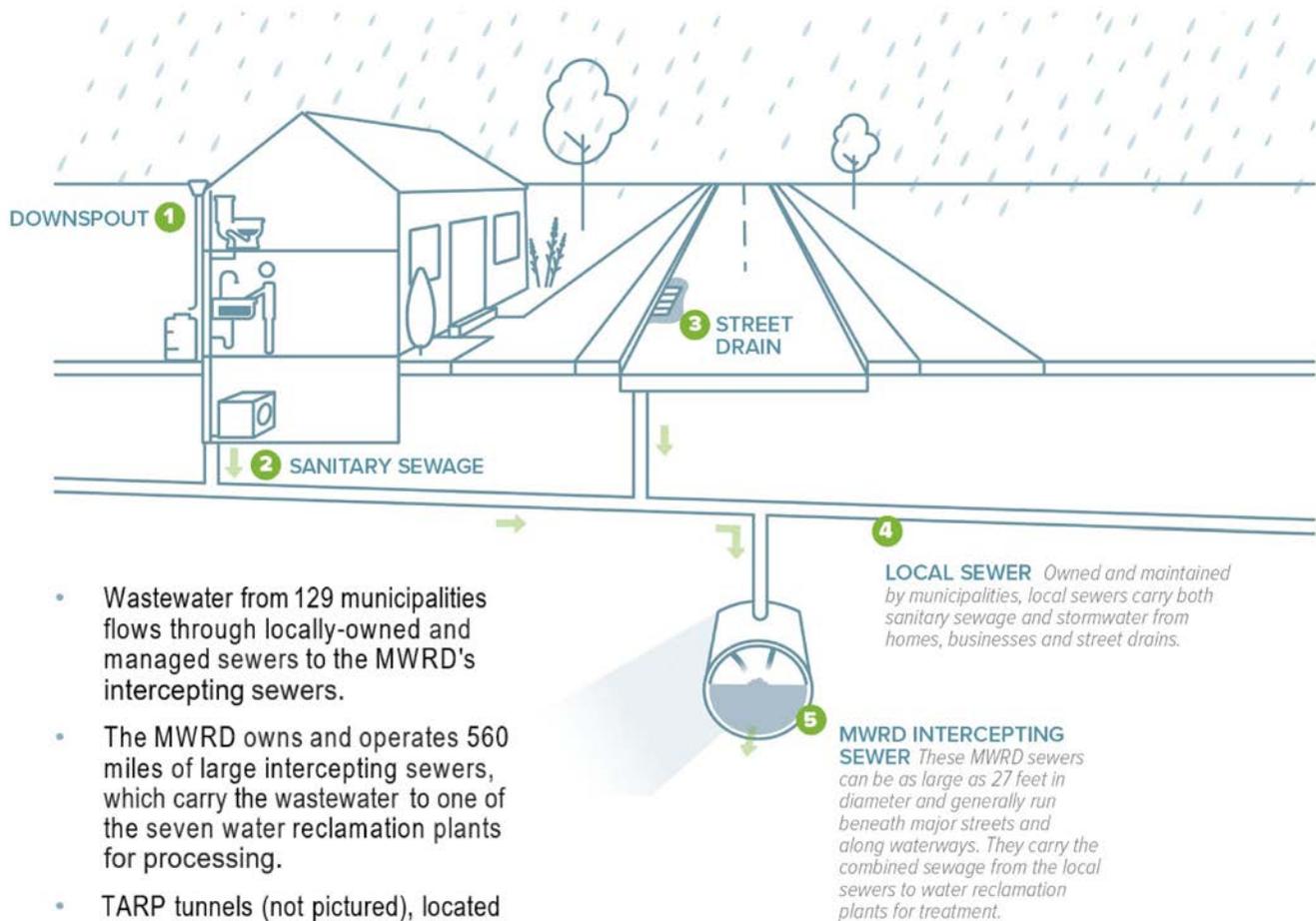
Cook County is the largest county in Illinois and second-largest in the United States. Cook County’s population is diverse, with a demographic profile that is approximately 42% White, 25% Hispanic/LatinX, 23% Black, 7% Asian, and 3% other categories, and reported a median household income in 2020 (\$67,886) that was higher than the national average (\$64,994). However, this summary view obscures significant disparities in the average household income of Cook County’s 129 municipalities, which reflect long-standing racial inequities in the region.

Cook County and Metropolitan Water Reclamation District of Greater Chicago



Source: Data USA, Cook County, IL; <https://datausa.io/profile/geo/cook-county-il#:~:text=Median%20Household%20Income,-%2463%2C353&text=Households%20in%20Cook%20County%2C%20IL,represents%20a%203.17%25%20annual%20growth.>

How Sewers Work In Cook County



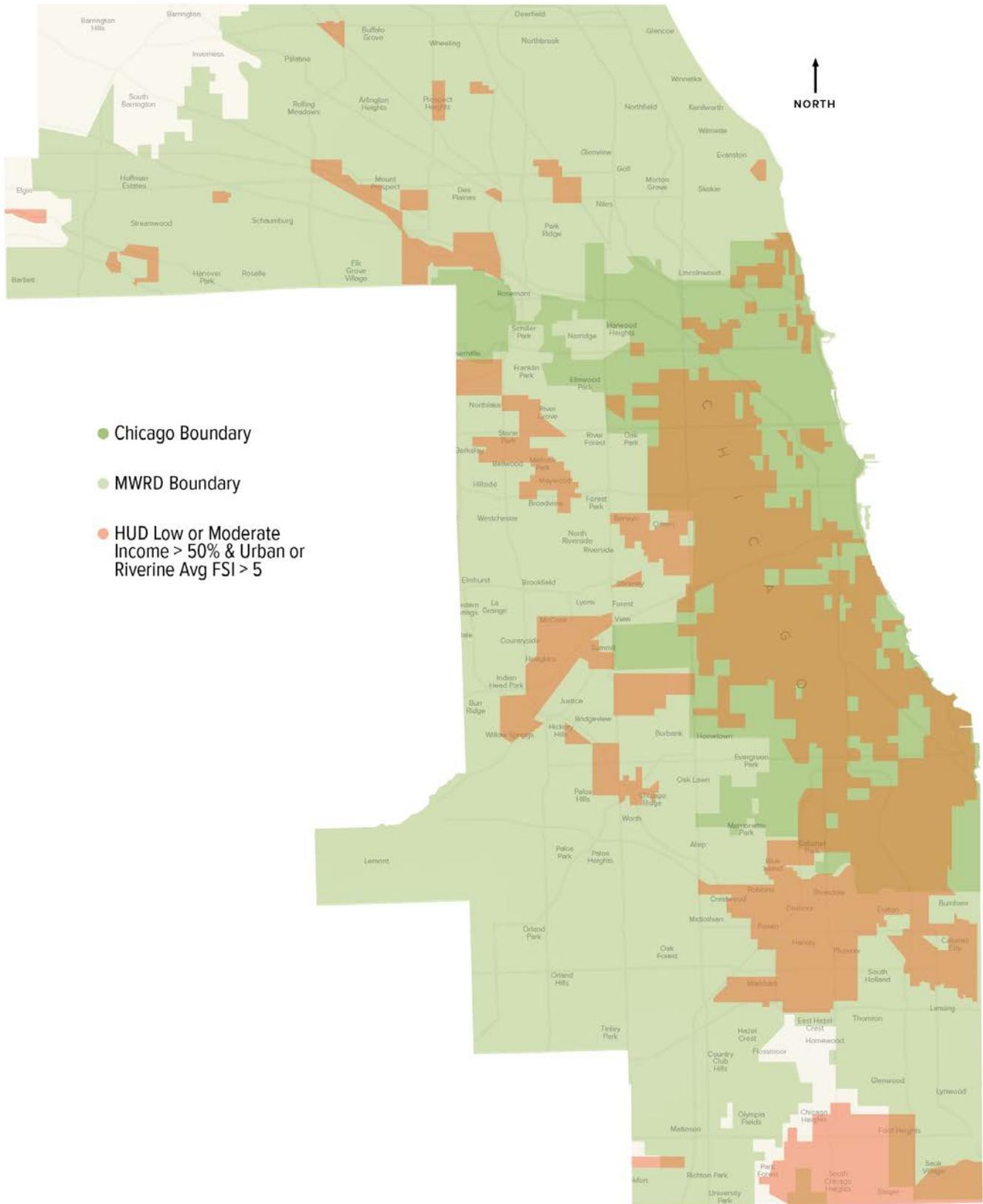
- Wastewater from 129 municipalities flows through locally-owned and managed sewers to the MWRD's intercepting sewers.
- The MWRD owns and operates 560 miles of large intercepting sewers, which carry the wastewater to one of the seven water reclamation plants for processing.
- TARP tunnels (not pictured), located 150-300 feet below ground, capture and store excess flow during severe rain events.

These disparities impact the MWRD because, as illustrated above, individual municipalities—not the MWRD—own and operate their local sewer systems. The MWRD owns large intercepting sewers that receive wastewater from these local systems.

Because different entities own different parts of the sewer system in Cook County, efforts to implement stormwater solutions and alleviate local flooding require close collaboration and partnership between impacted communities and the MWRD. Low- and moderate-income communities may not have the same capacity to partner with the MWRD as high-income communities, and these capacity constraints may serve as a barrier to the equitable implementation of stormwater projects across Cook County.

To support participation by all impacted communities regardless of their capacity, the MWRD has identified certain communities as disproportionately impacted areas (DIAs). These communities, illustrated on the following map, are low-to-moderate income areas that may be more susceptible to flooding. Efforts to identify and eliminate barriers to participation are a key focus of the new Strategic Plan.

Disproportionately Impacted Areas (DIAs) in Cook County



Disproportionately impacted area (DIA): An area that has a Chicago Metropolitan Agency for Planning (CMAP) Urban or Riverine Flood Susceptibility Index (FSI) mean value of 5-10, as of July 24, 2018, and is within a Low to Moderate Income Area as defined by the U.S. Department of Housing and Urban Development (HUD).

TRENDS AND OPPORTUNITIES

The new Strategic Plan must be responsive to significant trends, both positive and negative, that will impact the MWRD and its future success. The impact of climate change is discussed below, as well as key industry trends – Utility of the Future and circular economy – that continue to spur innovation and collaboration in the water industry.

Utility of the Future

A Utility of the Future represents an agency that is forward-thinking, innovative, a leader in sustainability and resilience, and transformative in the way that it recovers resources. The Utility of the Future Today recognition is a joint initiative led by the Water Environment Federation (WEF), the National Association of Clean Water Agencies (NACWA), the Water Research Foundation (WRF) and the WaterReuse Association and is supported by the Environmental Protection Agency (EPA) Office of Wastewater Management, and the Department of Energy (DOE) Office of Energy Efficiency & Renewable Energy.



The MWRD was named a Utility of the Future Today in 2020 for its organizational culture, leadership, and innovation in stormwater management and wastewater treatment. The MWRD also earned this distinction, which is active for three years, in 2017.

The MWRD is committed to water stewardship and applied this approach during the development of the new Strategic Plan by including strategies such as maintaining a high level of performance, pursuing opportunities to recover and reuse resources, mitigating flooding through an equitable stormwater management program, and engaging with the community. While the recognition as a Utility of the Future Today

is a premier achievement, the MWRD is responding to, and planning for, an uncertain tomorrow by considering key trends and opportunities such as climate change and circular economy.

Climate Change

The earth's climate is changing because of increased levels of greenhouse gases (GHGs) in the atmosphere; these changes are expected to produce a number of negative outcomes. First, as temperatures rise, sea levels will rise due to warmer ocean temperatures and melting glaciers. Rising temperatures are expected to produce two important seasonal conditions in our region: warmer and shorter winters, and warmer and more drought-prone summers. Lastly, warming is expected to accelerate and amplify the hydrological cycle, producing more intense rainfall events.

Northeastern Illinois has already experienced such adverse weather events, including record-breaking flooding, heat, and drought. The region broke the record for the most consecutive days above 100°F during the Midwest's drought in 2012, followed by flooding in 2013 and 2019 that warranted Presidential Disaster Declarations.

The impacts of climate change have significant implications for the region's economy, built environment, ecosystems, and residents. Flooding has led to major road, rail, and utility outages, sewer overflows, mold, damaged property, disruptions to freight traffic, and financial losses for local residents and businesses. Heat waves have caused illnesses, hospitalizations, and deaths in vulnerable populations, and drought has had significant adverse effects on the region's agricultural sector and natural areas.

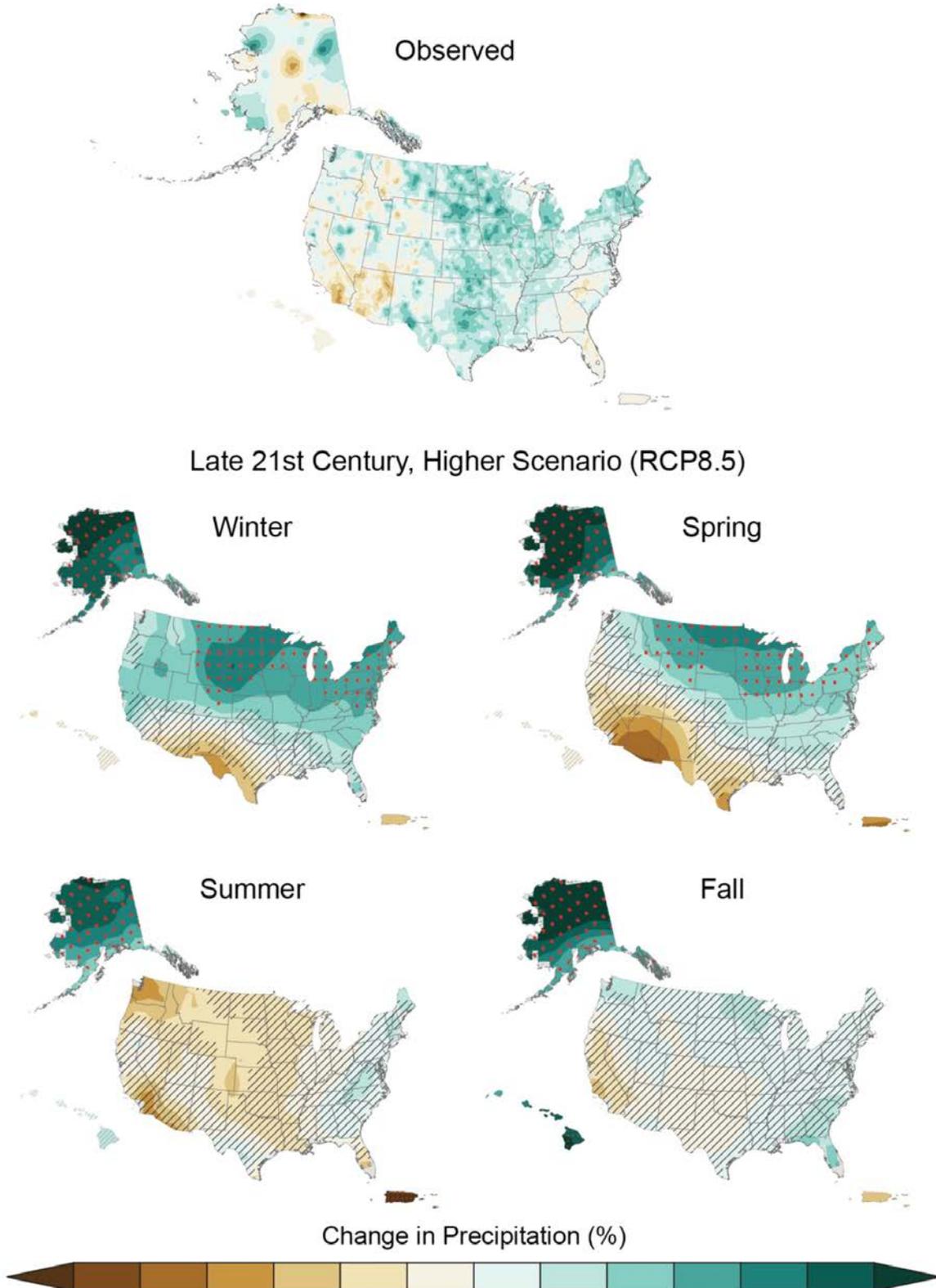


The effects of climate change are also changing our assumptions about water resources, which are predicted to be one of the first significant areas impacted. As climate change warms the atmosphere and alters the hydrological cycle, changes in the amount, timing, form, and intensity of precipitation will continue. The following maps depict projected changes in seasonal precipitation across the United States in the late 21st century. These impacts are likely to affect water and wastewater utilities and efforts to protect water quality, public health, and safety.

The MWRD recently completed a draft of its Climate Action Plan (CAP), which was developed by an interdepartmental task force. The purpose of the CAP is to forecast changes in wastewater treatment and stormwater management capacity requirements and water quality goals to (1) guide future infrastructure planning, (2) support “climate resiliency infrastructure investment” decisions, (3) guide mitigation of the MWRD’s greenhouse gas emissions that contribute to climate change, and (4) adapt to climate change-related impacts.

The first draft of the CAP was submitted to the Board of Commissioners in 2020 and was an important consideration in the development of the new Strategic Plan. The draft CAP was issued for Public Comment from July 8, 2022 to August 8, 2022. Information collected from these comments will be addressed and incorporated into the next version expected in the first quarter of 2023. One of the Strategic Plan’s overarching goals, Enterprise Resilience, includes efforts to “achieve climate change and environmental justice protections.”

Observed and Projected Changes in Seasonal Precipitation



Source: <https://nca2018.globalchange.gov/downloads>.

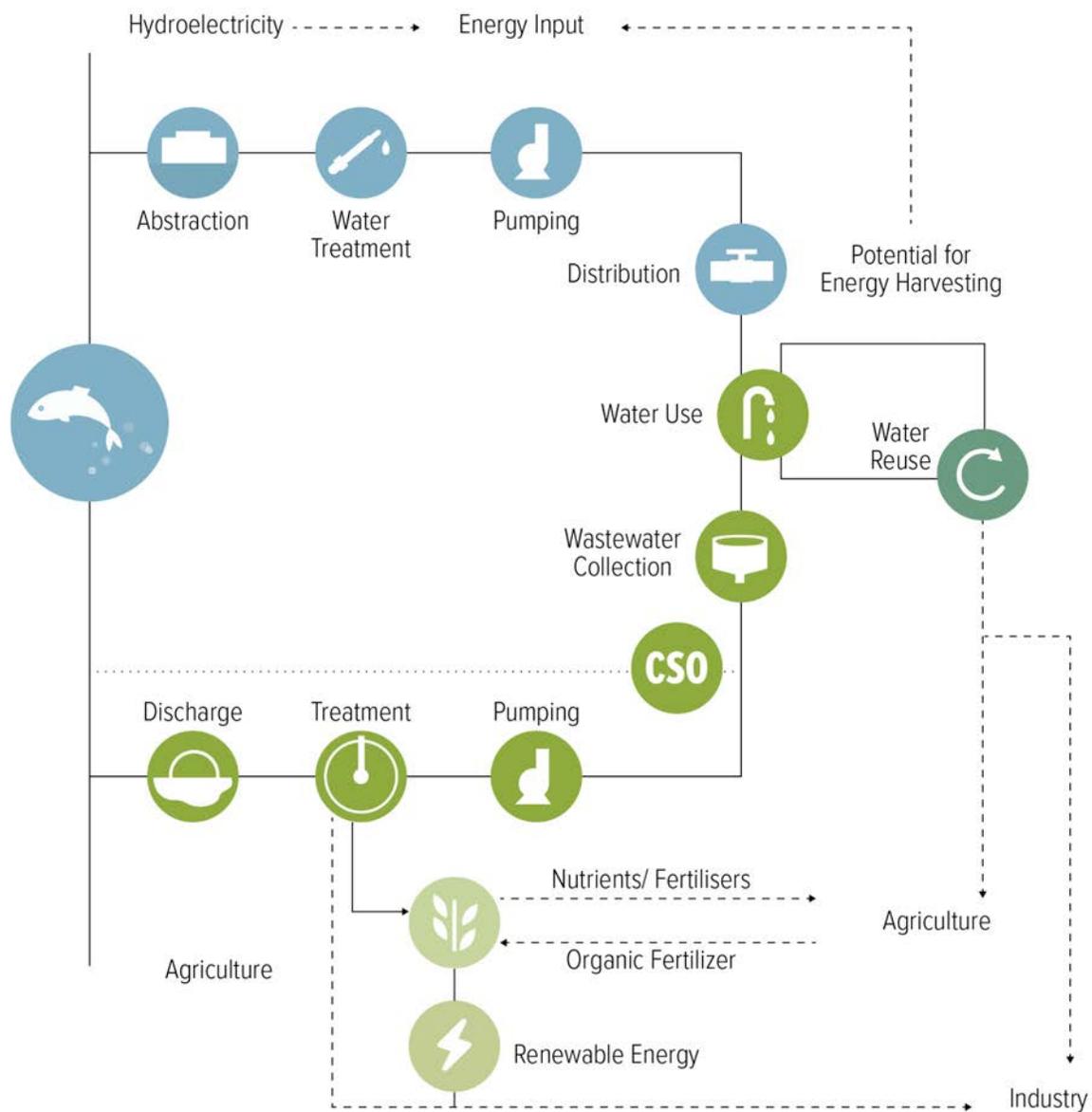
Circular Economy

The three principles of circular economy are designing out waste externalities, keeping resources in use, and regenerating natural capital. Using this approach, materials, water, and products are managed in loops to maintain them at their highest possible intrinsic value.



The diagram below illustrates circular economy principles as applied to a typical water system.

Simplified View of the Components of a Municipal Water System



Source: "Water and Circular Economy: A White Paper," Arup, Ellen MacArthur Foundation, AnteaGroup, November 2019, p. 17.

Implementing a circular economy approach over the next five years will enhance the MWRD’s current operating business model, thereby improving asset productivity, reducing costs and delivering wider benefits, and regenerating the environment.

Circular economy enhancements are included across all aspects of the new Strategic Plan and include:

- New sources of value creation from waste flows and current assets, e.g., resource recovery at water reclamation plants;
- Significant resource productivity improvements (especially energy and chemicals);
- Equitable deployment of nature-based solutions and green infrastructure through partnerships;
- New collaborative ventures across the value chain;
- Creation of new value chains to generate social capital, employment opportunities, and community benefits – including education and skills attainment;
- Greater business resilience and reduced risk; and
- Platforms for long term collaboration and innovation.

STRATEGIC GOALS

The Strategic Planning Steering Committee aligned on five strategic goals to serve as the foundation of the 2021-2025 Strategic Plan.

| | |
|---|---|
| Strategic Goal #1: Resource Management | Maintain a high level of performance on the core mission of protecting the public health and area waterways while pursuing opportunities to recover, reuse, and monetize resources. |
| Strategic Goal #2: Stormwater Management | Continue to mitigate flooding across Cook County through a proactive, equitable stormwater management program, including implementation of gray and green infrastructure, enforcement of the Watershed Management Ordinance, and acquisition of flood-prone property. |
| Strategic Goal #3: Workforce Excellence | Invest in the future by investing in employees; continue to recruit, develop, and retain best-in-class employees as the foundation of the MWRD’s ongoing success. |
| Strategic Goal #4: Community Engagement | Engage with the community to position the MWRD as a critical community asset and to ensure that the MWRD is a responsive neighbor and inclusive business partner. |
| Strategic Goal #5: Enterprise Resilience | Ensure ongoing services that are reliable, equitable, and cost-effective; achieve climate change and environmental justice protections; prepare for other manmade and natural events; strengthen the MWRD’s operational and financial positions. |

Working Groups then developed strategies that will be implemented over the next five years to achieve these goals, as well as success measures and targets to gauge progress. The following pages present the identified strategies and selected success measures and targets for each of the five strategic goals. Baseline target refers to the present level of performance upon which future performance levels will be compared. To achieve a stretch target, staff must develop new strategies.

Strategic Goal #1: Resource Management

Goal

Maintain a high level of performance on the core mission of protecting the public health and area waterways while pursuing opportunities to recover, reuse, and monetize resources.

Current Efforts

The MWRD's seven water reclamation plants treat residential and industrial wastewater and achieved 100% overall compliance with the EPA's National Pollutant Discharge Elimination System (NPDES) requirements in 2021. As regulatory requirements continue to evolve (e.g., upcoming regulations limiting phosphorus contained in treated effluent), the MWRD is implementing innovative technologies and processes to maintain its record of compliance.

In addition, the water that flows into the MWRD's water reclamation plants is treated as a collection of raw resources to be recovered and reused. The MWRD produces clean water as well as sustainable resources like biosolids, energy, and nutrients like phosphorus that are increasing in scarcity and value. Resource recovery is a new frontier that benefits the environment and offers opportunities to recover operational costs.

The MWRD launched the Tunnel and Reservoir Plan (TARP) in 1972 to meet water quality standards in the 375 square mile combined sewer service area; the TARP is on schedule to be completed by 2029. The goal of the TARP is to reduce combined sewer overflows, thereby providing both pollution control and flood control, and it has already demonstrated its value in achieving this goal:

- In the south suburbs, combined sewer overflows have been nearly eliminated since the 7.9 billion gallon Thornton Composite Reservoir was completed in 2015.
- In 2018, during its first year in operation, the McCook Reservoir Stage 1 was filled 39 times and captured 27.2 billion gallons of water that would have overwhelmed area combined sewer systems and flooded streets, homes, and communities. When completed, the McCook Reservoir is estimated to provide more than \$143 million annually in flood reduction benefits to 3.1 million people in Chicago and 36 suburban communities.

Not only do the tunnels and reservoir systems protect from flood damage, findings from a recent water quality monitoring study showed water quality improvements (e.g., decreases in concentrations of mean fecal coliform and total suspended solids) in the Calumet River System.

As part of its efforts to further improve water quality, the MWRD is working to identify per- and polyfluoroalkyl (PFAS) discharges to our collection system and urging regulators such as the EPA to use their tools to stop these chemicals at the source.



2021 - 2025 Resource Management Strategies

SELECTED SUCCESS MEASURES AND TARGETS

| Strategy | Success measure | Baseline target | Stretch target |
|---|---|--|--|
| <p>Strategy #1: Maintain high level of permit compliance as requirements evolve; continue efforts to improve water quality</p> <p>Strategy #2: Monitor and continue to reduce CSOs into area waterways</p> <p>Strategy #3: Manage MWRD assets to maintain optimal long-term performance and sustainability</p> <p>Strategy #4: Pursue resource recovery opportunities to increase sustainability and recover costs</p> <p>Strategy #5: Develop innovation ecosystem; drive innovation through partnerships with water associations, universities, labs, water technology firms, etc.</p> | NPDES permit compliance | 100% | 100% for 5 consecutive years |
| | TARP completion | 80% of McCook Stage 2 Mining and 100% of Des Plaines Inflow Tunnel | 85% of McCook Stage 2 Mining and 100% of Des Plaines Inflow Tunnel |
| | Outreach to Chicago/ other municipalities regarding TARP, using green infrastructure to reduce CSOs, etc. | Develop outreach program and team | Hold regular meetings; develop additional joint projects to address CSOs |
| | TBD | TBD | TBD |
| | Biogas utilization | Develop plan to achieve 100% utilization | 100% utilization |
| Biosolids used locally | 20,000 dry tons/year | 30,000 dry tons/year | |
| Internal effluent reuse | 1% of total treated effluent used internally | 3% of total treated effluent used internally | |
| Number of ongoing pilot/ full-scale research studies | 10 studies | 15 studies | |
| Number of external partner projects aligned with strategic goals | 20 projects | 25 projects | |

* The targets' due dates are the end of the five-year Strategic Plan unless otherwise specified.



Stickney Water Reclamation Plant

Strategic Goal #2: Stormwater Management

Goal

Continue to mitigate flooding across Cook County through a proactive, equitable stormwater management program, including implementation of gray and green infrastructure, enforcement of the Watershed Management Ordinance (WMO), and acquisition of flood-prone property.

Current Efforts

The MWRD partners with communities to build capital improvement and green infrastructure projects that address regional and local flooding issues and manages a flood-prone property acquisition program that removes homes built in the floodplain. Today, the MWRD has nearly 100 stormwater management projects in design or construction. These projects incorporate elements of both gray and green infrastructure, ranging in size from massive reservoirs to green alleys and permeable parking lots. One example is the Space to Grow program, which implements green infrastructure in schoolyards while creating vibrant places to play and learn through a partnership with Chicago Public Schools, the Chicago Department of Water Management, Healthy Schools Campaign, and Openlands.



The MWRD also administers the WMO, which regulates sewer construction within the MWRD’s service area and development within suburban Cook County.

A recent update to the WMO reflects current conditions, including increasing stormwater detention requirements based on the Illinois State Water Survey’s Updated Bulletin 75 rainfall data (published in March 2019), which indicated that annual average rainfall across Illinois has increased by 11 percent over the past century.

2021 - 2025 Stormwater Management Strategies

| Strategy | SELECTED SUCCESS MEASURES AND TARGETS | | |
|---|--|---|--|
| | Success measure | Baseline target | Stretch target |
| <p>Strategy #1: Develop comprehensive framework to guide proactive implementation of stormwater solutions across Cook County</p> <p>Strategy #2: Partner with local communities to significantly increase stormwater management projects</p> <p>Strategy #3: Ensure that stormwater management programs support participation by all communities, regardless of local capacity</p> <p>Strategy #4: Identify and pursue opportunities for partnering on multi-benefit projects and for coordination with other agencies to minimize cost of stormwater management projects</p> <p>Strategy #5: Identify and pilot stormwater management best practices and innovation; scale most promising practices</p> <p>Strategy #6: Partner with climate scientists to model long-term regional climate changes and impact on flooding</p> | Coverage of Stormwater Masterplans | 75% of service area | 100% of service area |
| | Expansion of green infrastructure (GI) project and local stormwater partnership project (LSP) partnerships with municipal agencies | 92 projects | 120 projects |
| | Expansion of GI and LSP partnerships with non-municipal agencies (e.g., park districts, school districts, etc.) | 30 projects | 45 projects |
| | Increased number of projects in underserved areas prone to flooding: -Local projects -Green infrastructure | Develop specific metrics to apply to stormwater programs; use for targeted outreach to ensure underserved areas have access | Develop specific metrics to apply to stormwater programs; use for targeted outreach to ensure underserved areas have access, implemented by 2024 |
| | Portion of projects that receive funding from agencies and organizations other than the MWRD and the immediate partnering agency | 20% | 25% |
| | Number of best practices for which pilot study has started in past 5 years | 2 practices | 3 practices |
| Number of partnerships with agencies and universities on climate research related to impacts of flooding | 1 partnership | 2 partnerships | |
| | Number of watersheds where hydrologic and hydraulic models are updated with new rainfall data | 2 out of 6 watersheds | 3 out of 6 watersheds |

* The targets' due dates are the end of the five-year Strategic Plan unless otherwise specified.

Strategic Goal #3: Workforce Excellence

Goal

Invest in the future by investing in employees; continue to recruit, develop, and retain best-in-class employees as the foundation of the MWRD's ongoing success.

Current Efforts

The MWRD is committed to building a talented and diverse workforce that reflects the communities it serves and currently employs over 1,700 full time employees with an overall minority workforce rate of 44% and an overall female workforce rate of 26%. A wide range of recruitment strategies are used to source qualified and talented candidates, including leveraging online job boards and social media to advertise employment opportunities, and regularly participating in job fairs sponsored by career and community development offices, on-campus student organizations, and state workforce development agencies. The MWRD works hard to source talent for historically underrepresented job classifications, taking additional steps to increase outreach among ethnically diverse and female candidates. This includes an internship program focused on diversity and inclusion that exposes this potential future candidate pool to careers in wastewater treatment, stormwater management, and resource recovery.

The MWRD is also committed to the continued growth and development of current employees - employees have an annual 24-hour training goal to foster personal and professional development. A robust and customizable online training platform facilitates the individual training needs of all employees and helps in meeting their development goals. In addition, the MWRD strives to provide management soft skills and compliance training annually through in-person and on-line training, as well as industry-specific and technical training in a variety of operating departments. For employees interested in furthering their education, the MWRD offers a generous tuition reimbursement program.



Treatment plant operators at the Egan Water Reclamation Plant discuss operations to remove nutrients from wastewater using the most efficient, economical ways possible that also reduce the District's energy and carbon use.

2021 - 2025 Workforce Excellence Strategies

SELECTED SUCCESS MEASURES AND TARGETS

| Strategy | Success measure | Baseline target | Stretch target |
|---|---|--|---|
| Strategy #1: Foster a culture that recognizes the value of every employee | Employees feel they are valued equitably (including intrinsic rewards, feelings of respect, job satisfaction) | Establish a baseline score for job satisfaction by the end of 2023 | Continual improvement in annual employee satisfaction survey score through 2025 |
| Strategy #2: Provide a workplace environment that meets evolving needs | Employees understand their value and role in accomplishing the MWRD's mission | Establish a baseline score for employee engagement by the end of 2023 | Continual improvement in annual employee engagement survey score through 2025 |
| Strategy #3: Ensure that the performance evaluation system tied to measurable competencies and distinguishes between different levels of performance | Employees are participating in their individual personal development plans | Provide training/ communication regarding inclusion of personal development plans in performance evaluations in 2023 | 80% of performance evaluations include a personal development plan by 2025 |
| Strategy #4: Ensure that roles and descriptions evolve with industry trends and strategic direction | Classification plan and organizational structure align with operational needs and strategic goals | Review 30% of the job classifications by the end of 2023 | Review 100% of the job classifications by 2025 |
| Strategy #5: Provide ongoing training to supervisory staff regarding coaching and giving feedback | Employees are receiving coaching from their managers | 100% of supervisors have received management and coaching training by the end of 2023 | 100% of staff are receiving annual management and coaching training by 2025 |
| Strategy #6: Continue to offer all staff a baseline training allocation | Supervisors are mentoring employees or sharing their knowledge | 75% of staff are meeting established training targets by 2024 | 100% of staff are meeting established training targets by 2025 |
| Strategy #7: Identify and scale existing best practices for staff advancement and promotion within civil service system | Employees are pursuing promotional opportunities | Establish a baseline percentage of eligible promotional candidates participating in civil service exams by the end of 2023 | Year-over-year improvement in the percentage of eligible promotional candidates participating in civil service exams through 2025 |
| Strategy #8: Continue to develop targeted recruitment, mentoring, and professional development programs to increase diverse representation in key job categories | Internal candidates are mentored to encourage interest in promotional opportunities | Increase Labor Force availability rates in key job categories by 2025 | Increase Labor Force availability rates in key job categories by 2024 |

* The targets' due dates are the end of the five-year Strategic Plan unless otherwise specified.

Strategic Goal #4: Community Engagement

Goal

Engage with the community to position the MWRD as a critical community asset and to ensure that the MWRD is a responsive neighbor and inclusive business partner.

Current Efforts

The MWRD's Board of Commissioners and talented staff of scientists, engineers, and water experts speak in communities and classrooms and take leadership roles in professional organizations. In addition, the MWRD hosts thousands of visitors for tours of its water reclamation plants, pumping stations, and other facilities to educate members of the public and encourage their participation in helping to protect the water environment. The MWRD also holds open houses for all ages, distributes Exceptional Quality (EQ) Compost and free oak tree saplings, and participates in public outreach events.



The MWRD educates thousands of visitors and empowers them to join efforts to protect the water environment.

The MWRD's Diversity Section continues to fulfill its community leadership role regarding contract and employment diversity in the MWRD's service communities by establishing and monitoring goals for Minority-owned Business Enterprises, Women-owned Business Enterprises, and Small Business Enterprises.

2021 - 2025 Community Engagement Strategies

SELECTED SUCCESS MEASURES AND TARGETS

| Strategy | Success measure | Baseline target | Stretch target |
|---|--|-------------------------------|---------------------------------|
| Strategy #1: Develop and express consistent branding and messaging to all audiences Strategy #2: Raise public awareness of the value of the MWRD's work and encourage public involvement Strategy #3: Expand partnerships, outreach and engagement to new audiences | Branding and graphic standards in place and used consistently across all MWRD touch points | 80% in use | 95% in use |
| | Number of requests for educational services and speakers | 80% increase | 100% increase |
| | Number of new partnerships | 10% increase by December 2022 | 20% increase by December 2022 |
| | Number of social media followers (Facebook, Twitter, LinkedIn, YouTube) | 10% increase by December 2022 | 20% increase by December 2022 |
| | Number of attendees who participate in outreach events and presentations | 10% increase by December 2022 | 20% increase by December 2022 |
| | Number of website visits | 10% increase by December 2022 | 20% increase by December 2022 |
| Strategy #4: Enhance the experience of vendors that do business with the MWRD | Number of bidders on contracts | 10% increase | 20% increase |
| | Reduction in the time from award to start date of the contract and agreement | Within 45 days of award | Within one month of award |
| Strategy #5: Increase diverse participation in MWRD contracts | Number of diverse vendors newly engaging with the MWRD | Year-over-year increase | Year-over-year increase by 2024 |
| Strategy #6: Expand partnerships and focus outreach (internal and external) on specific groups | Number of new partnerships | Year-over-year increase | Year-over-year increase by 2024 |

* The targets' due dates are the end of the five-year Strategic Plan unless otherwise specified.

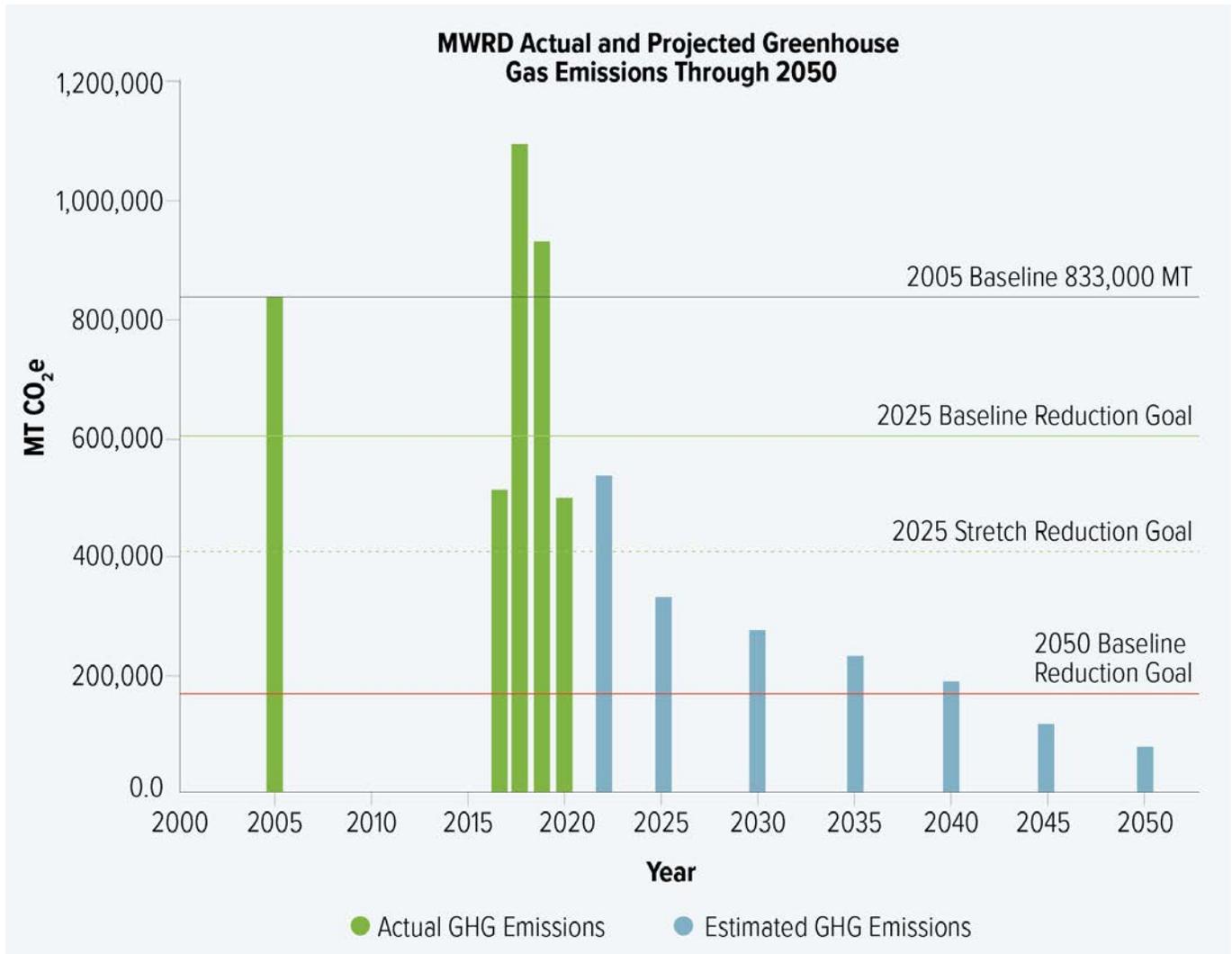
Strategic Goal #5: Enterprise Resilience

Goal

Ensure ongoing services that are reliable, equitable, and cost-effective; achieve climate change and environmental justice protections; prepare for other manmade and natural events; strengthen the MWRD’s operational and financial positions.

Current Efforts

The MWRD established interdepartmental task forces to draft a Climate Action Plan (CAP) to reduce the agency’s greenhouse gas emissions in accordance with the Paris Agreement and to draft a Sustainability and Resiliency Action Plan (SARAP) to provide an integrated approach to addressing challenges in continuing to deliver affordable wastewater treatment and stormwater management services. Both plans have been submitted to the Board of Commissioners for their review and approval.



The agency has also implemented ongoing efforts to assure the continuity of operations in adverse circumstances, including annual updates to the agency’s Emergency Operations Plan (EOP), Business Continuity Plan (BCP), and Critical Operational Guidance Documents (COGs), as well as regular exercises to test its emergency response plans.

The MWRD continues to maintain a AAA bond rating from Fitch Ratings and a AA+ bond rating from Standard & Poor’s. Its funding policies for both its Retirement Fund and Other Postemployment Benefits Fund demonstrate a commitment to long-term fiscal management and contribute to the MWRD’s strong credit ratings.

2021 - 2025 Enterprise Resilience Strategies

SELECTED SUCCESS MEASURES AND TARGETS

| Strategy | Success measure | Baseline target | Stretch target |
|--|---|--|--|
| <p>Strategy #1: Proactively expand efforts to strengthen functionality in the face of future events; finalize and implement climate change and resiliency plans*</p> <p>Strategy #2: Assure agency resilience and readiness for effective response to emergencies that could put at risk the health and safety of employees, negatively affect operations, disrupt essential services, or put at risk the general public</p> <p>Strategy #3: Support innovation and harness problem solving capacity at all organizational levels</p> <p>Strategy #4: (merged with strategy #3)</p> <p>Strategy #5: Standardize operations - streamline and automate internal processes; scale lessons learned from pandemic response</p> <p>Strategy #6: Maintain strong fiscal management; identify and leverage opportunities for cost reduction and cost recovery</p> <p>Strategy #7: Increase visibility around goals and performance indicators</p> | Reduction of greenhouse gas (GHG) emissions in accordance with Paris Agreement and Board Resolution File #17-0728 | 28% reduction of 2005 GHG emissions | 50% reduction of 2005 GHG emissions |
| | Emergency plans are updated regularly, incorporating learnings, as appropriate | Annual update | Real time, if online |
| | Emergency exercises are conducted | Annual exercise | 2-3 exercises/year |
| | Risk assessment activities are conducted periodically and inform emergency plans and exercises | Risk assessment project undertaken in Year 3 (June 2023 – July 2024) | Risk assessment project undertaken in Year 2 (June 2022 – July 2023) |
| | Cyber security maturity assessment (baseline document) | Maintain Level 3 | Progress to Level 4 |
| | Number of employees publicly recognized for innovation and problem solving | 10% year-over-year increase | 20% year-over-year increase |
| | Number of problems solved annually through task forces | Increasing | Doubled |
| | Number of processes that have been improved | 1 process per year | Up to 2 processes per year |
| | Maintain strong credit ratings | AAA/AA+ | AAA/AAA |
| | Centralized, public facing, interactive reporting around Strategic Plan and goals that is easy to use | One operational system online by the end of December 2022 | One operational system online by December 2022 |

* The Board of Commissioners will be discussing and adopting a Climate Action Plan in 2023 that will include policy direction on net energy neutrality, carbon neutrality, and greenhouse gas reduction goals, including becoming energy-neutral and eventually energy-positive.

** The targets' due dates are the end of the five-year Strategic Plan unless otherwise specified.

CONCLUSION

Since undertaking the extraordinary feat of reversing the flow of the Chicago River to protect Lake Michigan, the MWRD has engaged in more than a century of progress and continuous innovation to care for the region's water environment. Today, that record of innovation continues as the agency works to develop comprehensive solutions to manage stormwater and prevent flooding, while implementing emerging technologies to improve water quality and protect a river that is soaring in popularity. The MWRD is developing new systems to reduce nutrients in treated water, decreasing greenhouse gas emissions, conserving and reusing water, recovering renewable resources, and maintaining a tradition of reliability and resourcefulness.

The 2021-2025 Strategic Plan lays out the specific goals, strategies, and success measures that will guide the MWRD over the next five years. It was developed with significant engagement from the Board of Commissioners, MWRD leadership and staff, local governments, members of the public, and others. The implementation of the Strategic Plan will continue to prioritize collaboration - actively forming new partnerships and engaging with communities - to build a more resilient Cook County.



District-Wide Performance Indicators from the Strategic Plan

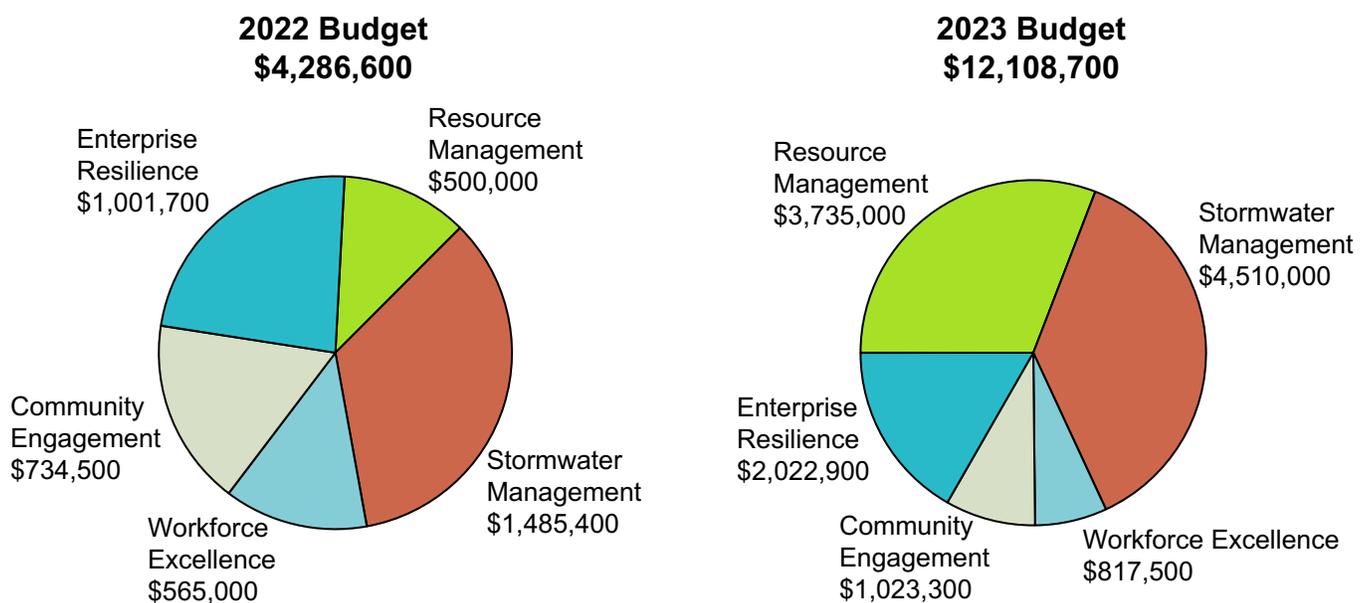
The 2021-2025 Strategic Plan and its Goals must be responsive to significant trends that will impact the MWRD and its future success. The impact of climate change, Utility of the Future trends, and circular economy principles continue to spur innovation and collaboration in the water industry. During the annual review of the Strategic Plan in September 2022, revisions were made to some of the Strategies, Success Measures, and associated Targets.

In addition to the Strategic Plan update, a Strategic Plan Hub was launched in 2022 through a collaborative effort between the Information Technology Department, Public Affairs Section, Strategic Plan Implementation Team, Executive Team, and Strategic Plan Steering Committee. The Hub provides District stakeholders with periodic updates on Strategic Plan progress and developments, and it will incorporate a more robust user experience after subsequent updates. Both financial and non-financial measures related to each of the five Strategic Goals have been included to track the progress and improve transparency.

Major District-wide performance indicators for each of the five Strategic Goals are listed below. More information regarding the status of these measures can be found on the Strategic Plan Hub (<https://mwrdd.org/strategic-plan-0>).

| Resource Management | Stormwater Management | Workforce Excellence | Community Engagement | Enterprise Resilience |
|--|--|--|---|--|
| <ul style="list-style-type: none"> • Permit Compliance • Biogas Utilization • Biosolids Utilization • Innovation Ecosystem | <ul style="list-style-type: none"> • The Tunnel and Reservoir Plan (TARP) • Stormwater Infrastructure • Environmental Justice • Stormwater Partnership Opportunities | <ul style="list-style-type: none"> • Investing in Our Foundation • Diversity, Equity and Inclusion • Community Partners and the Workforce of the Future | <ul style="list-style-type: none"> • Expansion through Social Media • Community Outreach Events • Diversity Events | <ul style="list-style-type: none"> • Environmental Action • Emergency Planning • Financial Sustainability • Innovation |

Throughout the budget process and the annual Strategic Plan review, the MWRD prioritized projects to include in the 2023 Budget. In 2022, \$4,286,600 was allocated to new projects that support one of the five Strategic Plan Goals and the 2023 Budget has increased to \$12,108,700. The funding included in these totals incorporates new major projects and initiatives in the Corporate and Stormwater Management Funds. Current operations, including staff time spent on new initiatives is not included in these totals.

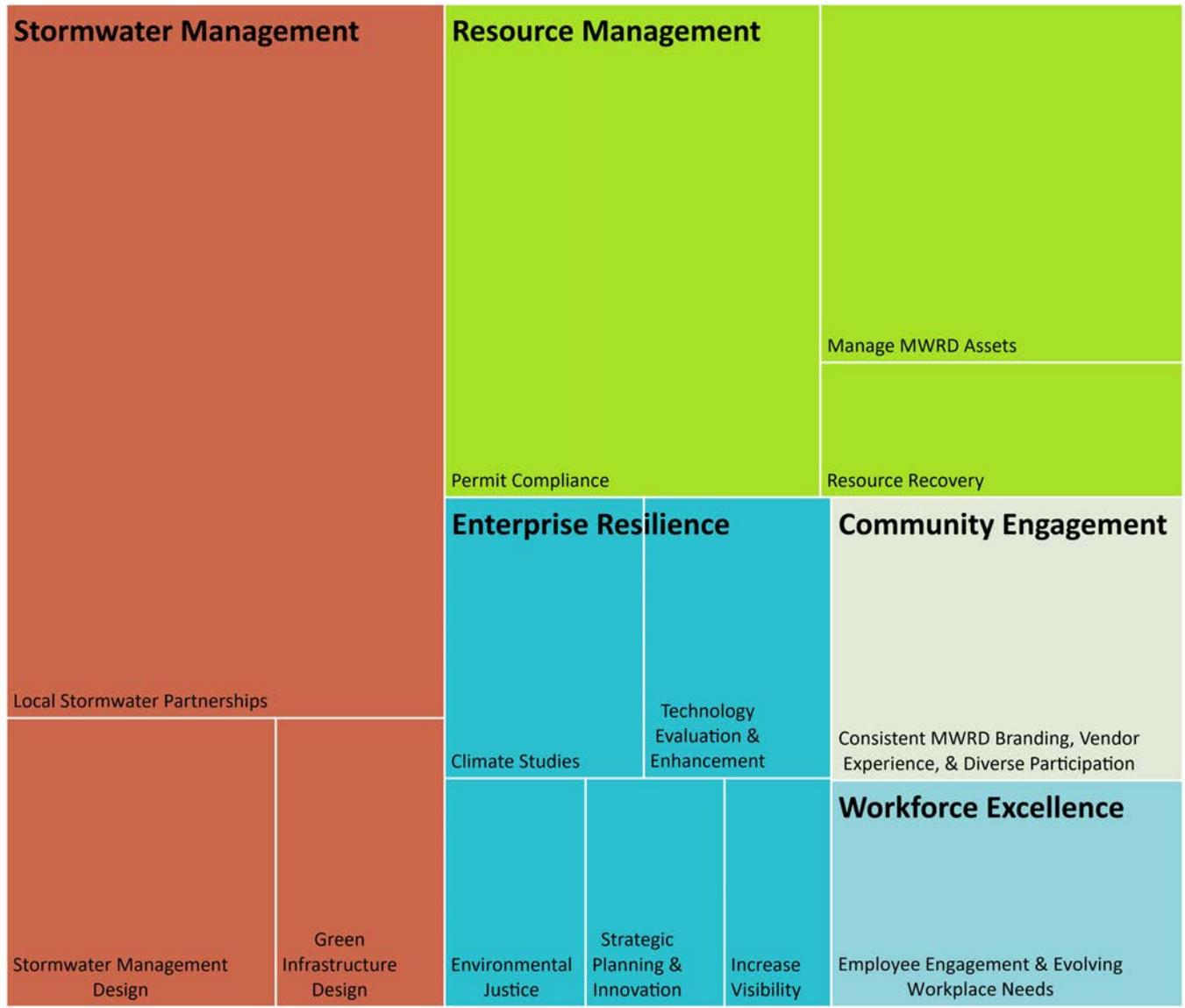


*The charts above display funding for Strategic Plan Projects included in the Corporate and Stormwater Management Funds.

The graph below maps the funding included in the 2023 Budget to the initiatives that the MWRD will begin in 2023. This provides a picture of how the District's 2023 investment in projects support our goals and will enhance long-term Strategic Planning. Local stormwater partnerships is the major strategy that contributes \$3.2 million to the Stormwater Management goal. Permit compliance (\$1.9 million), vendor experience and diverse participation (\$1.0 million), employee engagement and evolving workplace needs (\$0.8 million), climate studies (\$0.6 million), and technology evaluation and enhancement (\$0.5 million) are some of the other notable strategies contained in the remaining four Strategic Plan goals.

Strategic Plan Initiatives Included in 2023 Budget

- Resource Management
- Stormwater Management
- Workforce Excellence
- Community Engagement
- Enterprise Resilience



*The graph displays funding for new major initiatives included in the Corporate and Stormwater Funds in the 2023 Budget.

Budget Message / Highlights

Budget Overview

The District's 2023 Budget is a structurally sound spending plan that, with no increase to the property tax levy, invests in the District's infrastructure, addresses regional and localized flooding issues, continues a commitment to fully funding the Retirement Fund, and moves the Strategic Plan forward.

The 2023 Capital Improvement Plan will invest in modernizing aging infrastructure and prepare the District for updated phosphorus permit limits. Beginning in 2022 and continuing over the next four years, the District plans to invest \$408.0 million in modernization efforts across four water reclamation plants that will implement phosphorus removal and recovery efforts. The District will also invest \$139.8 million in seven intercepting sewer rehabilitation projects and begin construction on a \$12.6 million project that will reduce combined sewer overflows.

To address regional and localized flooding, the District expects to receive \$38.8 million in federal grant and reimbursement funding in 2022 and 2023, while favorable results from the Personal Property Replacement Tax (PPRT) disbursement from the State of Illinois allow the District to allocate some of the funding to the Construction Fund to finance smaller capital projects on a pay-as-you-go basis, avoiding future taxpayer debt burden.

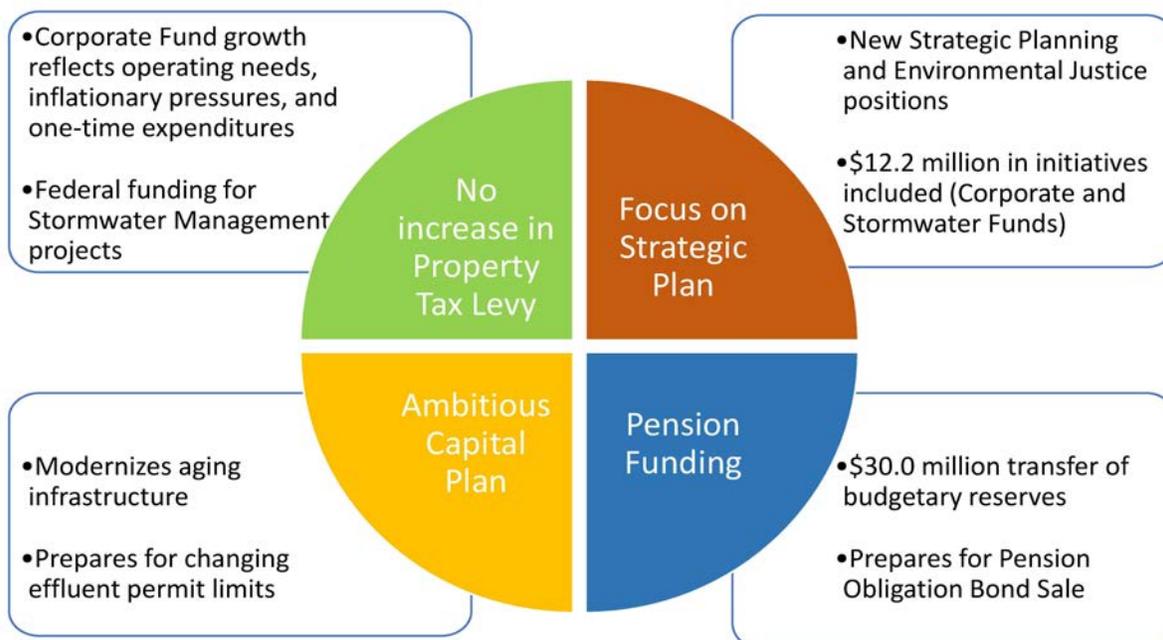
The 2023 Corporate Fund Budget is \$475.1 million, an increase of \$36.6 million, or 8.3 percent, from the 2022 Adjusted Budget. Inflationary pressures, supply chain issues, and statutory changes have all impacted cost estimates for the District's 2023 Budget. Costs for processing chemicals and electricity, two of the District's largest non-personnel expenditures, are expected to increase by \$5.1 million and \$5.0 million, respectively. Additionally, the Budget includes \$7.5 million in capital equipment purchases and technology infrastructure investments.

The District will continue to commit to fully funding the MWRD Retirement Fund by transferring \$30.0 million in advance funding. On April 22, 2022, the Governor signed Public Act 102-0707 allowing the District to issue up to \$600.0 million of Pension Obligation Bonds. The District will complete a full analysis of a potential bond sale based upon varying interest rates. If market conditions are favorable, the District will issue \$250.0 million in Pension Obligation Bonds in 2023.

Development of the 2023 Budget was guided by the Strategic Plan and elements of the Plan are incorporated throughout the Budget document, including summary discussions in each departmental narrative.

Metropolitan Water Reclamation District of Greater Chicago

2023 Budget Highlights



Budget Message / Highlights

Tax Levy, Tax Rate, and Appropriations

The overall 2023 tax levy required to finance the 2023 Budget is \$679.2 million and remains flat from the 2022 Adjusted Budget. The Stormwater Management Fund Levy is decreasing by \$5.4 million, or 9.4 percent, from 2022, and there is a decrease of \$1.8 million, or 0.7 percent in the Bond Redemption & Interest Fund. Among the funds subject to the Property Tax Extension Limitation law, the Corporate Fund levy has an increase of \$8.4 million, or 3.0 percent, while the Retirement Fund levy has a decrease of \$1.2 million, or 1.7 percent. The Reserve Claim Fund levy is remaining flat at \$7.5 million and the Construction Fund levy is \$7.0 million, no change from the 2022 levy.

The overall tax rate for 2023, based on the most recent Equalized Assessed Valuation (EAV), is estimated to be 36.35 cents per \$100 of assessed valuation. The allowance for loss in collection of property taxes is budgeted at 3.5 percent, no change from 2022. The budgeted loss will be maintained at this level, based on trends in the required refunds of prior property tax payments.

Excluding a potential Pension Obligation Bond issuance, overall appropriations for 2023 total \$1.4 billion, an increase of \$138.4 million, or 10.7 percent, from the 2022 Adjusted Budget. There is an increase of \$80.7 million planned in the Capital Improvements Bond Fund, which is appropriated on an obligation basis and based on project schedules. Due to strong revenue performance, the Corporate Fund will increase by \$36.6 million, or 8.3 percent. There will be an increase of \$32.0 million in the Stormwater Management Fund, the Construction Fund will increase by \$31.6 million, and the Reserve Claim Fund will increase by \$1.5 million. The Bond Redemption & Interest Fund will decrease by \$43.1 million. In 2022, the District prepaid \$43.0 million in State Revolving Fund loans at a taxpayer savings of \$12.7 million over 15 years. The Retirement Fund appropriation will decrease by \$0.8 million and again includes a \$30.0 million advance funding payment. Provided the District can secure favorable interest rates, a \$249.2 million Pension Obligation Bond sale is planned for 2023 and reflected as a transfer to the Retirement Fund in the appropriation. Explanations of these changes are provided in the detailed Fund summaries.

| <u>Levies</u> | 2023 | 2022 Adjusted | Increase (Decrease) | Percent Change |
|----------------------------------|------------------|----------------------|--------------------------------|---------------------------|
| Corporate Fund | \$ 292,900,000 | \$ 284,500,000 | \$ 8,400,000 | 3.0 % |
| Construction Fund | 7,000,000 | 7,000,000 | — | — % |
| Stormwater Management Fund | 52,500,000 | 57,926,000 | (5,426,000) | (9.4)% |
| Retirement Fund | 70,845,000 | 72,053,900 | (1,208,900) | (1.7)% |
| Reserve Claim Fund | 7,500,000 | 7,500,000 | — | — % |
| Bond Redemption & Interest Fund | 248,490,744 | 250,263,870 | (1,773,126) | (0.7)% |
| TOTAL | \$ 679,235,744 | \$ 679,243,770 | \$ (8,026) | — % |
| <u>Appropriations</u> | 2023 | 2022 Adjusted | Increase (Decrease) | Percent Change |
| Corporate Fund | \$ 475,066,000 | \$ 438,501,500 | \$ 36,564,500 | 8.3 % |
| Construction Fund | 51,500,400 | 19,932,000 | 31,568,400 | 158.4 % |
| Capital Improvements Bond Fund | 374,610,900 | 293,943,500 | 80,667,400 | 27.4 % |
| Stormwater Management Fund | 128,982,400 | 96,981,700 | 32,000,700 | 33.0 % |
| Retirement Fund | 117,915,000 | 118,754,000 | (839,000) | (0.7)% |
| Reserve Claim Fund | 46,014,200 | 44,465,300 | 1,548,900 | 3.5 % |
| Bond Redemption & Interest Fund | 238,064,783 | 281,145,736 | (43,080,953) | (15.3)% |
| SUBTOTAL | \$ 1,432,153,683 | \$ 1,293,723,736 | \$ 138,429,947 | 10.7 % |
| Pension Obligation Bond Proceeds | 249,204,500 | — | — | — % |
| TOTAL | \$ 1,681,358,183 | \$ 1,293,723,736 | \$ 387,634,447 | 30.0 % |

Comparisons of the estimated taxes paid by the owner of a home with a market value of \$100,000 for 2023 as budgeted, and 2022 as adjusted for the 2021 EAV, are as follows:

| | 2023 Budgeted | 2022 Adjusted | Variance | Percent Change |
|------------------------------------|----------------------|----------------------|-----------------|---------------------------|
| Estimated taxes for \$100,000 home | \$120.78 | \$120.78 | \$— | —% |

Budget Message / Highlights

Corporate Fund

The Corporate Fund is the District's general operating fund and includes appropriation requests for day-to-day operational costs anticipated for 2023. The total appropriation for the Corporate Fund in 2023 is \$475.1 million, an increase of \$36.6 million, or 8.3 percent, from the 2022 Adjusted Budget.

The 2023 tax levy for the Corporate Fund is \$292.9 million, an increase of \$8.4 million, or 3.0 percent, compared to the 2022 Adjusted Budget. In 2023, property taxes, personal property replacement tax (PPRT), and user charge revenues remain the primary funding sources for the District's Corporate Fund. Illinois law limits the tax rate of this fund to 41.00 cents per \$100 of EAV. The estimated tax rate for the Corporate Fund in 2023 is 15.68 cents, a decrease of 0.16 cents from 2022 Adjusted Tax Rate. User charges, budgeted at \$37.0 million for 2023, are collected from industrial, commercial, and non-profit organizations to recover operations, maintenance, and replacement costs proportional to their sewage discharges, in excess of property taxes collected. The 2023 Budget reflects current economic conditions and inflationary pressures, reflecting both growth in PPRT and investment returns as well as projected cost increases for personnel, electricity, chemicals, and commodities.

The District serves 129 communities covering nearly all of Cook County, treating an average of 1.3 billion gallons of water each day, with a total treatment capacity of 2.0 billion gallons per day at seven water reclamation plants. The District controls 76.1 miles of navigable waterways and owns and operates 33 stormwater detention reservoirs to provide regional flood protection.

The Tunnel and Reservoir Plan (TARP) Phase I was fully completed in 2006 and consists of 109.4 miles of deep rock tunnels designed to capture up to 2.3 billion gallons of the first flush of sewage contaminated stormwater from combined sewers that had previously flowed into the area waterways. TARP Phase II includes three storage reservoirs built at the end of the tunnels to provide an additional 15.0 billion gallons of capacity. These reservoirs are described below and additional information for the TARP system projects' status is on page 390.

The 350 million gallon Majewski Reservoir was completed in 1998. In November 2015, the Thornton Composite Reservoir became operational with 7.9 billion gallons of storage. The McCook Reservoir, the last component of the TARP system, will provide a total volume of 10.0 billion gallons when completed. The first stage opened on December 4, 2017 with 3.5 billion gallons of storage. The second stage is still being mined and will provide 6.5 billion gallons of storage when completed in 2029. The McCook Reservoir is projected to bring more than \$140.0 million annually in flood reduction benefits to residents in its service area.



A rare sight, aeration batteries at the Calumet Water Reclamation Plant were drained and taken out of service for maintenance. Celebrating 100 years in 2022, the industrious treatment facility is the longest-tenured water reclamation plant.

Corporate Fund appropriations support the 2021-2025 Strategic Plan, with specific initiatives detailed in each departmental narrative. To highlight and strengthen the District's commitment to innovation, a new Strategic Planning & Innovation Division is being added to the M&R budget. This new division will explore growth opportunities and innovative solutions, assist diverse teams in embracing new ideas, and increase efficiency in government. Incorporated into the strategic goals and the 2023 budget are initiatives that retain focus on creating modern and mobile processes and operational costs for the Water Reclamation Plants.

In 2023, the District expects to collect and treat approximately 462.6 billion gallons of wastewater at our seven WRPs. These services will be performed in compliance with discharge permits issued by the Illinois Environmental Protection Agency, which regulates the quality of our effluent as it leaves our treatment plants. Our high level of compliance emphasizes our excellent performance. This is reflected in a 100.00 percent overall compliance with the National Pollutant Discharge Elimination System (NPDES) requirements in 2021. This compliance resulted in six Platinum Peak Performance Awards from the National Association of Clean Water Agencies. See page 36 for Collection, Treatment, and Solids Utilization data.

Budget Message / Highlights

Collection, Treatment, and Solids Utilization for the Maintenance & Operations Department

| | 2023 Budgeted | 2022 Budgeted | 2021 Actual | 2022-2023 % Change |
|---|--------------------------|--------------------------|------------------------|-------------------------------|
| Total cost of collection (millions) | \$66.5 | \$60.4 | \$48.1 | 10.2 % |
| Total cost of treatment (millions) | \$103.8 | \$96.4 | \$73.7 | 7.7 % |
| Total cost of solids utilization (millions) | \$30.4 | \$26.6 | \$24.3 | 14.5 % |

Number of full time equivalent employees:

| | | | | |
|--------------------|-----|-----|-----|--------|
| Collection | 248 | 249 | 242 | (0.4)% |
| Treatment | 381 | 395 | 375 | (3.5)% |
| Solids Utilization | 41 | 41 | 38 | — % |

Daily average flow/design maximum flow million gallons per day (MGD) level of treatment by plant:

| | | | |
|-----------------------------|-------------|-------------|-------------|
| Stickney WRP - Secondary | 1,200/1,400 | 1,200/1,440 | 1,200/1,400 |
| Calumet WRP - Secondary | 354/430 | 354/430 | 354/430 |
| O'Brien WRP - Secondary | 333/450 | 333/450 | 333/450 |
| Kirie WRP - Secondary | 52/110 | 52/110 | 52/110 |
| Egan WRP - Tertiary | 30/50 | 30/50 | 30/50 |
| Hanover Park WRP - Tertiary | 12/22 | 12/22 | 12/22 |
| Lemont WRP - Secondary | 2.3/4 | 2.3/4 | 2.3/4 |

Outputs:

| | 2023 Budgeted | 2022 Budgeted | 2021 Actual | 2022-2023 % Change |
|---|--------------------------|--------------------------|------------------------|-------------------------------|
| Amount of wastewater collected and treated by plant: | | | | |
| Stickney WRP (million gallons) | 246,800 | 271,300 | 222,642 | (9.0)% |
| Calumet WRP (million gallons) | 100,000 | 100,000 | 88,649 | — % |
| O'Brien WRP (million gallons) | 85,000 | 85,000 | 74,579 | — % |
| Kirie WRP (million gallons) | 14,600 | 16,600 | 11,908 | (12.0)% |
| Egan WRP (million gallons) | 9,050 | 9,050 | 8,216 | — % |
| Hanover Park WRP (million gallons) | 3,950 | 3,950 | 2,551 | — % |
| Fox River Water Reclamation District (contract agreement) | 2,200 | 2,200 | 2,200 | — % |
| Lemont WRP (million gallons) | 1,000 | 1,000 | 882 | — % |

Outputs:

Dry tons of biosolids utilized by area:

| | 2023 Budgeted | 2022 Budgeted | 2021 Actual | 2022-2023 % Change |
|-----------------------|--------------------------|--------------------------|------------------------|-------------------------------|
| North Service Area | 700 | 700 | 1,244 | — % |
| Calumet Service Area | 21,000 | 24,250 | 14,381 | (13.4)% |
| Stickney Service Area | 70,000 | 78,000 | 67,453 | (10.3)% |

Outcomes:

Achievement of water reclamation plant pollution permit requirements by plant:

| | 2021 | 2020 | 2019 | 2018 |
|------------------|-------------|-------------|-------------|-------------|
| Stickney WRP | 100.00 % | 100.00 % | 99.20 % | 99.83 % |
| Calumet WRP | 100.00 % | 100.00 % | 100.00 % | 100.00 % |
| O'Brien WRP | 100.00 % | 100.00 % | 100.00 % | 100.00 % |
| Kirie WRP | 100.00 % | 100.00 % | 100.00 % | 100.00 % |
| Egan WRP | 100.00 % | 100.00 % | 100.00 % | 100.00 % |
| Hanover Park WRP | 100.00 % | 100.00 % | 100.00 % | 100.00 % |
| Lemont WRP | 100.00 % | 100.00 % | 100.00 % | 100.00 % |

Budget Message / Highlights

Stormwater Management Fund

The Stormwater Management Fund is used to fund operational costs directly related to the Stormwater Management Program and pay-as-you-go infrastructure projects. It is also used to leverage taxpayer dollars through partnerships with local agencies to fund local Green Infrastructure and stormwater projects. Finally, the Stormwater Management Fund is used to pay the principal and interest on Alternate Revenue Bonds. The 2023 Appropriation for the Stormwater Management Fund is \$129.0 million, an increase of \$32.0 million, or 33.0 percent, over the 2022 Adjusted Budget and is attributed to an influx of \$38.8 million in federal grant and reimbursement funding projected across 2022 and 2023. Property taxes are the primary funding source for the District's Stormwater Management Fund. Illinois law limits the tax rate of this fund to five cents per \$100 of EAV. The estimated tax rate for the Stormwater Management Fund in 2023 is 2.81 cents, a decrease of 0.41 cents from the 2022 Adjusted Tax Rate.

The District plans, implements, and finances stormwater management activities throughout Cook County. The Stormwater Management Fund consolidates the District's stormwater management activities and supports the activities outlined in the Cook County Stormwater Management Plan. One of the initial goals of the Stormwater Management Program was to develop detailed watershed plans for each of the watersheds in Cook County. The detailed watershed plans identified and prioritized "regional" stormwater projects based on a benefit to cost ratio. These include streambank stabilization projects, which involve addressing critical active streambank erosion threatening public safety, structures, and/or infrastructure, or flood control projects. The Board of Commissioners has approved over 30 regional projects for design and construction.



The District partnered with the Village of Niles to construct a relief storm sewer and surface and underground stormwater storage areas near Greenwood Avenue to provide flood relief to nearby homes and businesses. The project has the capacity to store and detain more than 4.5 million gallons of stormwater to help mitigate flooding in Niles.

In 2014, the State Legislature expanded the District's stormwater management authority to allow for the District to address local drainage problems and acquire flood-prone property from property owners on a voluntary basis. These legislative changes form the basis of the District's Stormwater Partnership Program, which identifies and assists municipalities with the implementation of projects that address local flooding concerns utilizing both Green Infrastructure and traditional gray projects, along with flood-prone property acquisitions. The District is also developing Stormwater Master Plans to comprehensively address flooding by identifying potential projects within publicly and privately owned property. It is anticipated that Stormwater Master Plans will be developed where planning assistance is needed over the next several years following the

Budget Message / Highlights

process defined through initial pilot studies completed in 2016. Through the District's Flood-Prone Property Acquisition Program, funding assistance is provided to partnering governmental agencies to purchase properties within the designated hazard areas. A comprehensive narrative and exhibits detailing the Stormwater Management Fund, including a listing and description of the proposed projects is provided in the Section VI of this budget document.

The Watershed Management Ordinance (WMO) establishes uniform and minimum stormwater regulations throughout Cook County. The WMO went into effect on May 1, 2014, and the District's Board of Commissioners most recently amended the WMO on May 7, 2020. The amendment included changes to allow for a regional stormwater detention and volume control trading program pilot study to commence. References to rainfall data were updated from Bulletin 70 (2019) to Bulletin 75. Staff in the Local Sewer Systems Section review permit applications for compliance with the WMO.

Capital Improvement Program

Construction Fund, Stormwater Management Fund & Capital Improvements Bond Fund

The District's overall Capital Improvement Program (CIP) includes 2023 project awards, land acquisition, support, future projects, and the construction value remaining on projects currently under construction. In the 2023 Budget, the District has included the capital projects funded by the Stormwater Management Fund into the CIP totals to more accurately reflect the District's Capital Program. The 2023 CIP has a total estimated cost of \$1.4 billion. Capital projects involve the acquisition, improvement, replacement, remodeling, completing, altering, constructing, and enlarging of District facilities. Included are all fixtures which are permanently attached to and made a part of such structures and non-structural improvements.

Projects under construction have been presented and authorized in previous budgets and are recognized in the annual budget as outstanding liabilities in the Capital Improvements Bond Fund (CIBF). In the Construction and Stormwater Funds, projects are re-appropriated. Future projects, not yet appropriated, are included in the annual budget to present a comprehensive picture of the District's CIP. These future projects will be requested for appropriation subject to their priority, design, and available funding.



Construction on the District's Addison Creek Reservoir in Bellwood moved closer to completion in 2022. The reservoir and Addison Creek Channel Improvements will benefit communities along Addison Creek, including Bellwood, Northlake, Stone Park, Melrose Park, Westchester and Broadview. The 600-acre-foot Addison Creek Reservoir will hold close to 200 million gallons of storage capacity and connect with the Addison Creek Channel.

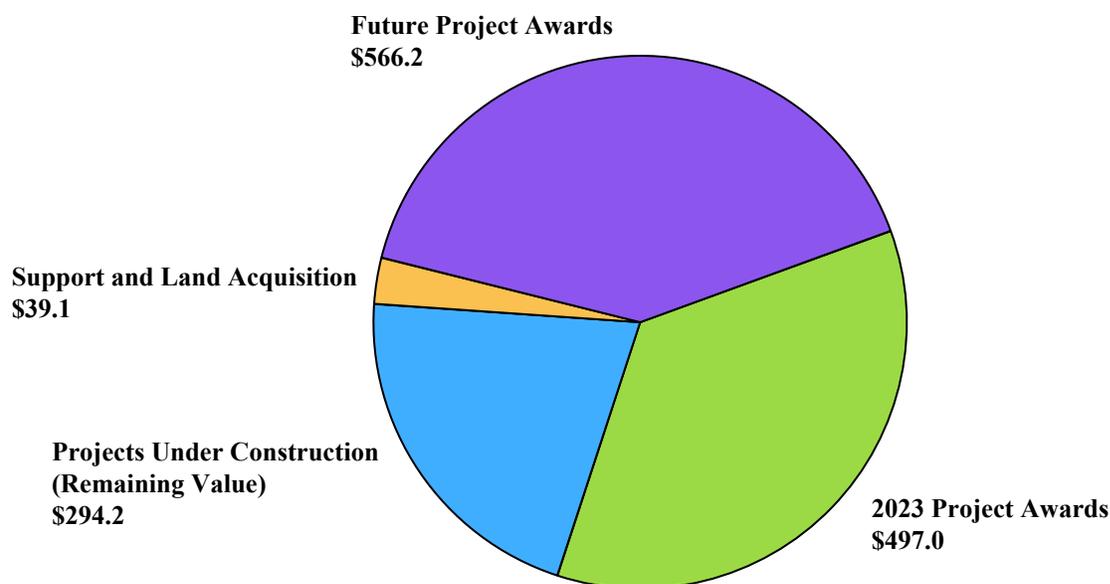
The Construction Fund is utilized as a pay-as-you-go capital rehabilitation and modernization program, primarily for projects at the Water Reclamation Plants. Capital projects are financed by a tax levy or other funding sufficient to pay for project costs as they are constructed. As the District replaces, rehabilitates, and modernizes aged and less effective infrastructure, capital projects are assigned to the Corporate Fund, Stormwater Management Fund, Construction Fund, or CIBF based on the nature of the project, dollar magnitude, and useful life of the improvement.

Budget Message / Highlights

The CIBF includes major capital infrastructure projects whose useful lives extend beyond 20 years, and which will be financed by long-term debt, federal and state grants, Water Infrastructure Finance and Innovation Act loans, and State Revolving Fund loans.

The Illinois Property Tax Extension Limitation Law (Tax Cap) limits new debt that the District can issue by a debt service extension base, which allows local governments with non-referendum authority to continue to issue non-referendum debt as long as the annual debt service levies do not exceed the limit. The debt service extension base is increased annually by the Consumer Price Index or five percent, whichever is less. However, an exemption for projects initiated before October 1, 1991 was granted to the District to enable completion of the TARP.

Capital Improvement Program (million \$)



Construction Fund

The Construction Fund appropriation for 2023 totals \$51.5 million, an increase of \$31.6 million, or 158.4 percent, from the 2022 Adjusted Budget. Capital projects in the Construction Fund are primarily supported by property taxes. The 2023 tax levy planned for the Construction Fund is \$7.0 million, no change from the 2022 Adjusted Levy. A listing and description of proposed projects, projects under construction, and scheduled for 2023 award, can be found in the Capital Budget (Section V).

Capital Improvements Bond Fund

The 2023 appropriation for the Capital Improvements Bond Fund is \$374.6 million, an increase of \$80.7 million, or 27.4 percent, from the 2022 Budget. The appropriation is based on the scheduled award of \$343.4 million in construction costs on projects. The increase in appropriation for the CIBF reflects the pattern in the award of major projects. An appropriation for the open value of existing contracts is also carried forward from the prior year. The remaining \$31.3 million appropriation for this fund will provide for studies and professional services to support District design and administration of proposed and ongoing construction activity, including the TARP reservoirs.

A comprehensive narrative and exhibits detailing the CIP is provided in the Capital Budget (Section V) of this budget document. A listing and description of proposed projects, projects under construction, and scheduled for 2023 award, can be found in the Capital Budget (Section V).

Budget Message / Highlights

Retirement Fund and OPEB Trust Fund

The Retirement Fund of the District is established under Illinois Compiled Statutes to provide funding and administration for a retirement program for District employees. The Fund is financed with employee and employer contributions and investment income, which are distributed to the fund when collected. The annual appropriation requests for this fund are taxes receivable from previous years' tax levies.

The District has addressed pension liabilities through funding policies approved by the Board of Commissioners and supporting legislative changes for the Metropolitan Water Reclamation District Retirement Fund.

- In 2012, a statutory change increased the employee contributions by one percent per year for three years for employees who were members before January 1, 2011. The increased contribution will remain in place until the fund reaches a 90 percent funding ratio.
- A legislative change effective January 1, 2022 allows the District to identify surplus revenues to contribute to the Retirement Fund to provide advance funding to maintain growth in the Retirement Fund's funded ratio. The 2022 and 2023 appropriation each include an equity transfer of \$30.0 million.
- On April 22, 2022, the Governor signed Public Act 102-0707 allowing the District to issue up to \$600.0 million of Pension Obligation Bonds, the authorization has no sunset date, and the unlimited tax bonds would be excepted from debt service extension base limitations.
- The District will complete a full analysis of a potential bond sale based upon varying interest rates. Any bond issuance will only be pursued if an optimal low interest rate environment provided the opportunity. A \$249.2 million Pension Obligation Bond sale will be reflected as a transfer to the Retirement Fund in the appropriation.
- The Retirement Fund's funded ratio is 58.7 percent funded, as of December 31, 2021. The District's Funding Policy Goal for the Retirement Fund is to be 100 percent funded by 2050.

The 2023 appropriation for the Retirement Fund is \$117.9 million, a decrease of \$0.8 million, or 0.7 percent, compared to the 2022 Adjusted Budget. The 2023 total tax support for the Retirement Fund is \$88.9 million, which is comprised of \$18.1 million from the District's Personal Property Replacement Tax allocation and a \$70.8 million property tax levy. The property tax levy of \$70.8 million is a decrease of \$1.2 million, or 1.7 percent, compared to the 2022 Adjusted Levy. The appropriation is based on a statutorily required formula that bases the District levy, and subsequent appropriations, on employee contributions made in previous years. The District's statutory tax levy calculation multiplier is 4.19 of employee contributions. A detailed explanation of the fund's fiscal status, participation, and income is presented in Section VII of this budget document.

The District provides and subsidizes health care benefits for its retirees through a statutorily authorized Other Postemployment Benefits (OPEB) Trust for the purpose of providing for the funding and payment of health benefits for retired, disabled, or terminated employees of the District or for their dependents and beneficiaries. Since the Trust was established in 2007, the District adopted an OPEB advance funding policy meant to (i) improve the District's financial position by reducing the amount of future employer contributions and (ii) serve to establish a reserve to help ensure the financial ability to provide health care coverage for District retirees and annuitants in the future.

The current funding policy includes a 100 percent target funding level, an advance funding period of 12 years, and a defined advance funding amount of \$5.0 million to be contributed in each of the 12 years from 2015 through 2026. No further advance funding contributions are expected after 2026. Through December 31, 2021, \$142.4 million has been contributed by the District to the OPEB Trust. The advance funding contribution for 2022 was \$5.0 million and the 2023 budgeted contribution is \$5.0 million. While authorized by statute, there is currently no legal requirement for the District to partially or fully fund the OPEB Trust. The accumulated unfunded OPEB obligation was \$26.5 million as of December 31, 2021, based on an updated roll-forward calculation from the most recent actuarial valuation. The policies adopted by the District are cautious by design and will provide ample opportunity for adjustment. Future direction may also be changed significantly by national health care policies.

Budget Message / Highlights

Reserve Claim Fund

The Reserve Claim Fund acts as the District’s insurance fund. The District is partially self-insured and utilizes this fund for emergency repairs and claims against the District. District policy is to annually levy a half-cent annual tax rate to provide funds for current claims and to accumulate a fund reserve towards the statutorily authorized limit of \$86.4 million.

The 2023 appropriation of \$46.0 million is an increase of \$1.5 million, or 3.5 percent, from the 2022 Adjusted Budget. The practice is to fund toward the maximum fund balance allowable. This estimate is reviewed and adjusted annually.

A historical profile of the resources available in the fund is provided in Section VII of this budget document. The levy will remain the flat for this fund in 2023.

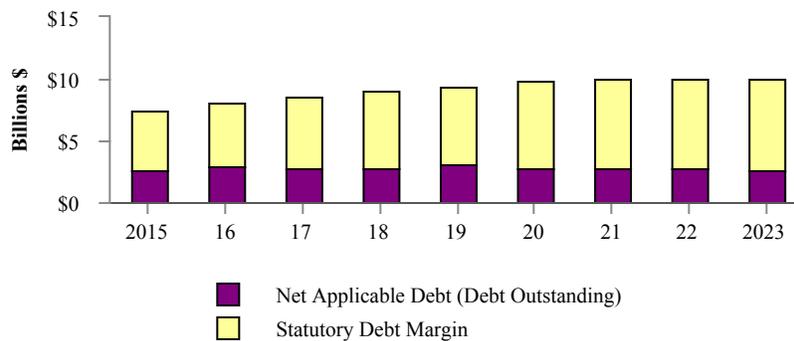


Floater and safety volunteers in canoes enjoyed the water, scenery, and celebrated improvements in local water quality at the Friends of the Chicago River's Summary Float Party on the North Branch.

Bond Redemption & Interest Fund

Debt service is paid through the Bond Redemption & Interest Fund. The District finances its major capital improvement projects through the sale of long-term general obligation bonds, grants received from the state and federal government, and loans from the Illinois State Water Pollution Control Revolving Loan Fund, or State Revolving Fund (SRF). Principal and interest payments on District general obligation bonds, and SRF loans, require an annual levy and appropriation.

Net Debt and Statutory Debt Margin



The SRF Loan Fund provides low-interest loans to finance qualifying projects. Upon project completion, District bonds are issued at the same low-interest rate. The current interest rate for new loans to the District is 1.2 percent. The District has authorized approximately \$2.2 billion of SRF loans since the program's inception. The District expects to receive \$50.0 million in 2023 and approximately \$50.0 million annually from SRF loans for the next several years.

The 2023 appropriation for the Bond Redemption & Interest Fund totals \$238.1 million, a decrease of \$43.1 million, or 15.3 percent, compared to the 2022 Adjusted Budget. In 2022, the District prepaid the balance on five existing SRF loans totaling \$43.0 million with a projected savings of \$12.7 over 15 years. A debt service graph is found on page 74 that displays debt service from 2015 through 2027 and one on page 520 that displays debt service from 2023 through retirement. The 2023 tax levy for this fund is \$248.5 million, a decrease of \$1.8 million, or 0.7 percent, from the 2022 Adjusted Levy.

Budget Message / Highlights

Non-Referendum Bonding Authority

The 1995 Tax Extension Limitation Law (Tax Cap), together with subsequent amendments to the statute, limit the District's ability to issue debt. The District has authority to issue bonds without seeking voter approval via referendum through the year 2034, effective January 1, 2020. The statutory debt limit is equal to 5.75 percent of the District's EAV. The District's 2021 EAV is \$172.7 billion, setting the District's statutory debt limit at \$9.9 billion. Outstanding debt applicable to the debt limit as of December 31, 2022, totals \$2.7 billion. The debt margin is \$7.3 billion. The 2023 debt service extension base limit is \$184.3 million.

Additional bond issues through 2034 will be used to finance capital projects identified by prioritization. Initial estimates and schedules for the projects were analyzed and compared to bond issuance authority and funding availability. The bond issuance authority will generally accommodate the proposed project expenditures through 2034. Extension or increase in the authority may be necessary for additional projects that may be required to meet more stringent NPDES permit discharge limits, including effluent disinfection, nutrient removal, and supplemental aeration.

On April 22, 2022, the Governor signed Public Act 102-0707 allowing the District to issue up to \$600.0 million of Pension Obligation Bonds, the authorization has no sunset date, and the unlimited tax bonds would be excepted from debt service extension base limitations.

| History of Legislative Amendments Limiting Borrowing Authority | |
|---|---|
| Public Act 89-0001 | The initial Tax Cap legislation that limited non-referendum authority to projects that were initiated prior to October 1, 1991. Effective July 7, 1995 |
| Public Act 89-0385 | Provided the District with the authority to issue non-referendum "limited bonds" for capital projects initiated after October 1, 1991. Effective August 18, 1995 |
| Public Act 90-0485 | Provided a further modification by authorizing the exclusion of debt for TARP projects from this debt service limit. Effective August 17, 1997 |
| Public Act 93-0279 | Increased the dollar limit on bonds that may be issued during any one budget year to not exceed \$150 million, plus the amounts of any bonds authorized and unissued during the three preceding budget years. Effective July 22, 2003 |
| Public Act 96-0501 | Allows for an annual increase in the debt service extension limitation base by the lesser of five percent or the percentage increase in the Consumer Price Index beginning with the 2009 levy. Effective August 14, 2009 |

Budget Message / Highlights

Basis of Budgeting and Accounting

The basis of budgeting and the basis of accounting determine when revenues and expenditures are recognized for the purposes of budget control and financial reporting. As per Illinois Compiled Statutes, the District's budget is adopted and executed such that receipts are recognized on a cash basis and expenditures on an accrual basis or as soon as they are incurred. The Annual Comprehensive Financial Report is prepared using the modified accrual basis of accounting in conformity with Generally Accepted Accounting Principles (GAAP). The exceptions between the basis of budgeting and the basis of accounting are noted below.

In the Corporate, Construction, and Stormwater Management Fund budgets, revenues are recognized on a cash basis except for property and personal property replacement taxes, which are recognized based on working cash borrowing plus an estimate of collections of property and property replacement taxes over and above the working cash borrowing. Expenditures are recognized on a GAAP basis except for inventory expenditures, which are accounted for on the purchase method for budgetary purposes and on the consumption method for GAAP financial reporting purposes. Transfers in and transfers out to other funds are considered other financing sources and uses.

The Capital Improvements Bond Fund (CIBF) is budgeted on an "obligation" basis of accounting, which records total expenditures and grant revenues in the period in which contracts or grants are awarded. Appropriations lapse at year-end for the Corporate, Construction, Retirement, Stormwater Management, and Debt Service Funds. Appropriations for the CIBF lapse at the end of the year to the extent of the unencumbered balances. Encumbered balances are not reported as reservations of fund balances, as the amounts are reappropriated in the following year.

The government-wide and fiduciary financial statements are reported using the economic resource measurement focus and the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded at the time liabilities are incurred, regardless of the period of related cash flows. Property taxes are recognized in the year of levy and personal property replacement taxes are recognized in the year earned. Grants and similar items are recognized as revenue in the fiscal year that all eligibility requirements have been met.

The District's governmental funds are reported using the current financial resources measurement focus and the modified accrual basis of accounting. Under the modified accrual basis, revenues are recognized when susceptible to accrual, i.e., when measurable and available to finance operations. Expenditures are recognized in the period in which the fund liability is incurred, except for principal and interest on long-term debt, compensated absences, claims, judgments, and arbitrage, which are recognized when due and payable.

The accounting and reporting treatment applied to the capital assets and long-term liabilities associated with a fund are determined by its measurement focus. Since governmental funds are accounted for on the current financial resources measurement focus, only current assets and current liabilities are included on their balance sheets. Their reported fund balance (net current assets) is considered a measure of "available spendable resources." Governmental fund operating statements present increases (revenues and other financing sources) and decreases (expenditures and other financing uses) in net current assets. Accordingly, they are said to present a summary of sources and uses of "available spendable resources" during a period.

Property taxes, user charge revenue, interest, land rentals, and personal property replacement tax revenue are accrued to the extent that they are measurable and available to satisfy liabilities of the reporting period. In general, the revenue recognition period is limited to amounts collected within 60 days following year-end. Receivables that are unavailable are reported as deferred revenue.

Grants from federal and state agencies are recorded as revenues in fund financial statements when reimbursable expenditures are incurred, or other eligibility requirements imposed by the provider are met, and the grant resources are measurable and available. Property taxes attach as an enforceable lien on property as of January 1 of the levy year. They are levied and recorded as a receivable as of January 1 and are due in two installments in the following year.

Budget Message / Highlights

Major Budget Amendments Impacting the 2023 Final Adopted and Amended Budget

The 2023 Executive Director’s Recommended Budget was presented to the Board of Commissioners on October 11, 2022. The Committee on Budget and Employment held departmental budget presentations on November 3, 2022 and a Public Hearing on the budget was held on December 1, 2022. The Board adopted the budget on December 8, 2022, and pursuant to State Statute (70 ILCS 2605), made final amendments on December 15, 2022.

The purpose of this section is to describe budgetary amendments between the Executive Director’s Recommendations and the Final Adopted and Amended Budget. The total appropriation increased from \$1.62 billion to \$1.68 billion, an increase of \$57.8 million, or 3.6 percent. Excluding a potential Pension Obligation Bond issuance, the overall appropriation increased from \$1.37 billion to \$1.43 billion. The increase in appropriation is primarily driven by changes in project schedules and cost estimates within the Capital Improvement Program. The Reserve Claim Fund, Retirement Fund, and Stormwater Management Fund were adopted without modification from the 2023 Executive Director’s Recommendations. The total tax levy remained unchanged from the 2023 Executive Director’s Recommendations of \$679.2 million.

Bond Redemption & Interest Fund

The total appropriation request for the Bond Redemption & Interest Fund increased by \$0.8 million, or 0.4 percent, from the 2023 Executive Director’s Recommendations of \$237.2 million to \$238.1 million. The change in appropriation is due to a revised repayment schedule for one State Revolving Fund loan.

Corporate Fund

The Corporate Fund is the District’s general operating fund and includes appropriation requests for day-to-day operational costs anticipated for 2023. The total appropriation request for the Corporate Fund increased by \$2.5 million, or 0.5 percent, from the 2023 Executive Director’s Recommendations of \$472.6 million to \$475.1 million. Inflationary pressures, supply chain issues, and salary growth account for the majority of the budgetary changes.

Capital Improvement Program

The Construction Fund, which finances smaller construction projects on a pay-as-you-go basis, increased by \$9.4 million, or 22.4 percent, from the 2023 Executive Director’s Recommendations of \$42.1 million to \$51.5 million. The change in appropriation is primarily due to the reallocation of the biogas combined heat and power system project at the Egan WRP from the Capital Improvements Bond Fund to the Construction Fund in order to qualify for the highest direct payment option under the federal Inflation Reduction Act in the District’s ongoing efforts to achieve energy neutrality. The 2023 Construction Fund revenue estimate was revised to include a TIF surplus distribution from the City of Chicago in the amount of \$9.5 million to receive this financial incentive.

The Capital Improvements Bond Fund is budgeted on an “obligation basis,” therefore funding for the project is budgeted at the time of award. Projects are funded through current and future anticipated bonds, loans, or grants. The total appropriation request for the Capital Improvements Bond Fund increased by \$45.1 million, or 13.7 percent, from the 2023 Executive Director’s Recommendations of \$329.5 million to \$374.6 million. The change in appropriation is primarily due to changes in the project schedules for A/B and C/D service tunnel rehabilitation at the Stickney WRP (\$26.4 million) and the replacement of boilers and motor control centers at the Stickney WRP (\$16.3 million) as well as a revised cost estimate for digester rehabilitation and gas piping replacement at the Stickney WRP (\$14.7 million). These increases are partially offset by the reallocation of the biogas combined heat and power system project at the Egan WRP from the Capital Improvements Bond Fund to the Construction Fund (\$9.3 million) and a change in the project schedule for the rehabilitation of the pump and blower house at the Calumet WRP (\$4.2 million).

| | Appropriations | |
|----------------------------------|--|--|
| | 2023 Executive Director’s Recommendations | 2023 Final Adopted and Amended Budget |
| Corporate Fund | \$ 472,600,800 | \$ 475,066,000 |
| Construction Fund | 42,086,800 | 51,500,400 |
| Retirement Fund | 117,915,000 | 117,915,000 |
| Reserve Claim Fund | 46,014,200 | 46,014,200 |
| Capital Improvements Bond Fund | 329,499,600 | 374,610,900 |
| Stormwater Management Fund | 128,982,400 | 128,982,400 |
| Bond Redemption & Interest Fund | 237,229,189 | 238,064,783 |
| Subtotal Budget | \$ 1,374,327,989 | \$ 1,432,153,683 |
| Pension Obligation Bond Proceeds | 249,204,500 | 249,204,500 |
| Total Budget | \$ 1,623,532,489 | \$ 1,681,358,183 |

Financial Policies, Objectives, and Accomplishments

Financial Policies, Objectives, and Accomplishments

To meet its federal, state, and local responsibilities, while ensuring cost-effective operations, the District adheres to a number of financial policies. These policies are part of a dynamic process whereby the best use is made of available District resources. The following provides an overview of these policies, their objectives, and the measurable accomplishments resulting from their use.

Budgetary Policies

To protect the strong financial position of the District, ensure uninterrupted services, and stabilize annual tax levies, the Board adopted the following policies on December 21, 2006 to enhance and maintain budgetary fund balances. The General Corporate Fund policy was amended on December 10, 2009. The Bond Redemption & Interest Funds Investment Income policy was amended on November 3, 2011. The Stormwater Management Fund policy was adopted on December 10, 2009 and amended on November 3, 2011 and December 17, 2015.

General Corporate Fund

- Corporate Fund undesignated fund balance as of January 1 of each budget year must be maintained at between 12 percent and 15 percent of appropriations. The fund balance may be maintained by not fully appropriating prior year fund balances. This level of fund balance will ensure the District's ability to maintain all operations even in the event of unanticipated revenue shortfalls and provide time to adjust budget and operations;
- Corporate Working Cash Fund must be sufficient to finance 95 percent of the full annual expenditure of the Corporate Fund. This will be financed through transfers of surpluses from the Construction Working Cash Fund, direct tax levies, tax levy financed debt (Working Cash Bonds), and transfers of accumulated interest from other funds. This level of fund balance will continue financing of the Corporate Fund in the event of delays in second installment real estate tax collections;
- Reserve Claim Fund balance will be targeted toward the maximum level permitted by statute, 0.05 percent of the equalized assessed valuation (EAV), whenever economically feasible. This will be financed through tax levies at the maximum 0.5 cents per \$100 of EAV when economically feasible and financially prudent. This level of funding will protect the District if environmental remediation costs cannot be recovered from former industrial tenants of District properties, catastrophic failure of District operational infrastructure, or other claims. As the District is partially self-insured, adequate reserves are critical.

The District will appropriate funds from the unassigned fund balance for emergencies and other requirements that the District believes to be in its best interest. In the event that any of these specific component objectives cannot be met, the Executive Director will report this fact and the underlying causes to the Board with a plan to bring the fund balances back into compliance with policy within a two-year period. To maintain relevance, this policy will be reviewed every three years following adoption or sooner at the discretion of the Executive Director.

Stormwater Management Fund

The maximum property tax levy of five cents per \$100 of EAV for the Stormwater Management Fund shall be allocated at a maximum two cents per \$100 of EAV to fund operations and maintenance expenditures and the remainder of the levy shall fund direct cash outflows for capital and capital related expenditures and the interest and redemption of general obligation bond issues for capital projects.

Capital Improvements Bond Fund Investment Income

Investment earnings from the Capital Improvements Bond Fund (CIBF) resulting from all future bond issues will fund an equity transfer to the Bond Redemption & Interest Funds and be used to abate property tax levies or for other corporate needs. This practice will also limit the payment of arbitrage rebates.

Bond Redemption & Interest Funds Investment Income

Fund balances in the Bond Redemption & Interest Funds that might accumulate due to investment income will be identified and used to abate Bond Redemption & Interest property tax levies or for other corporate purposes. These abatements appropriately reduce property tax levies by the amount earned on invested balances above what is necessary for paying principal and interest due over the following 12 months, while still maintaining appropriate fund balances and when not required for other corporate

Financial Policies, Objectives, and Accomplishments

purposes. This policy and the subsequent tax abatements will assist in compliance with the Board's overall tax levy policy, which is not to exceed a five percent increase over the prior year, excluding the Stormwater Management Fund tax levy.

Abatement of Interest Rate Subsidies from Build America Bond Issuances

Interest reimbursement payments related to taxes levied for Build America Bond issuances will be presented to the Board for approval to abate, to be used for any lawful corporate purpose, or a combination thereof as determined as part of the annual budget process. Such abatement or alternative lawful use of the funds will be presented to the Board for approval prior to any abatement or use of reimbursement funds.

Capital Improvements Bond Fund Accumulated Income

Revenues that have accumulated in the CIBF from investment income, royalties, grants, or SRF revenues will primarily be used for capital projects. Capital projects are generally in the CIBF; however, capital projects in the Construction or Corporate Funds of critical importance may be financed by transfers from this revenue source. These funds may be transferred to the Bond Redemption & Interest Fund to be used to abate property taxes or may be used for other corporate needs, as necessary.

Annual Budget

The District's Annual Budget shall present a complete financial plan for the budget year. The Budget will be prepared and presented as one comprehensive management and balanced financial plan, including capital and operating requirements, financing requirements, requirements for employee retirement, and reserve claim funding.

In addition, the District prepares and manages its budgets based on the following long-standing policies:

- Budget estimates shall be prepared, and appropriations made, in a manner that reflects the use of program and performance principles and unit cost data. Appropriations shall be arranged according to funds, programs, and organizational units;
- Historical levels of funding and expenditure shall be included in the Budget to provide comparisons. Financial forecasting of future requirements shall be included to provide estimates of future financial and operating conditions;
- The Budget shall contain separate and combined estimated balance sheets for each fund, with estimates of current assets and liabilities as available for appropriation at the beginning of the budget year;
- The Budget shall include a statement showing the method of arriving at the net tax figure, and provide estimates of all taxes to be levied for such budget year, as well as all other current receipts to be derived from other revenue sources;
- Statements shall be included in the Budget, which detail bonded indebtedness of the District, and show bonds authorized and unsold, District borrowing capacity, and the maturity dates of bond issues and corresponding rates of interest;
- The District will comply with the 1995 Tax Cap and Board policy limiting increases in the total property tax levy to five percent, excluding the Stormwater Management Fund.

Retirement Fund

On October 2, 2014, the Board adopted a policy establishing the objectives, goals, and funding sources for the annual contribution to the Metropolitan Water Reclamation District Retirement Fund.

Policy Objectives:

- Provide for a funding plan based on actuarially determined contributions;
- Provide funding discipline to ensure promised benefits can be paid;
- Seek reasonable and equitable allocation of the cost of benefits over time;
- Minimize volatility of the District's contributions to the extent reasonably possible and consistent with other policy goals;
- Support the goals of accountability and transparency with clear benchmarks and reporting.

Funding Goal: The funding goal of the District is to contribute annually to the Retirement Fund an amount that over time will increase the ratio of Retirement Fund assets to accrued liabilities to 100 percent by the year 2050.

Source of Funding: The source of funding for the District's contribution is the annual real estate tax levy and personal property replacement tax receipts as allowed under 40 ILCS 5/13-503.

The District may, at its discretion, transfer excess interest income or other legally available revenues to the Fund in accordance with 70 ILCS 2605/5.9. Such transfers will be made in addition to the annual tax levy amount funded by real estate and personal property replacement tax receipts.

Financial Policies, Objectives, and Accomplishments

Implementation of Funding Policy:

- In order to achieve the goals and objectives, the District will annually contribute: (1) an amount equivalent to the maximum employer contribution allowable by statute or (2) if the maximum amount exceeds the amount available for contribution from the District's tax levy in any budget year, the District may contribute an amount determined by the Fund actuary based on a triennial projection that exceeds the minimum employer contribution required by the statute and achieves a funded ratio of 100 percent by the year 2050.

Benchmarks:

- Progress toward the funding goal will be determined in part by an actuarial projection to be performed by the Fund's actuary every three years. This triennial projection will calculate a consistent multiple through the year 2050 that (1) satisfies the statutory requirements every year and (2) achieves a funded ratio of 100 percent by 2050. The projection multiple will serve as a guide for determining employer contributions until the next projection is performed. In addition to the triennial projection, the funded ratio calculated each year by the Fund actuary will serve as a benchmark to determine progress toward the funding goal.

Budgetary Objectives

- The District shall make every effort to minimize the tax levy using sound management and cost-effective operations.
- The District will maintain a positive relationship between revenues and expenditures.
- The financing of the Corporate, Stormwater Management, and Construction Funds budgets will be managed through use of the Corporate, Stormwater, and Construction Working Cash Funds, respectively. Interfund transfers will be used to minimize property tax levies for the Working Cash Funds.
- The District's Budget shall be prepared and presented in such a manner that it serves as a clear and comprehensive policy document, financial plan, operations guide, and communications device to its staff, public officials, and citizens.

Budgetary Accomplishments

The District's property tax levies comply with the Tax Cap Law. Fiscal plans have been developed and implemented to reduce expenditures as necessary to meet property tax revenue constraints while meeting our statutory and regulatory responsibilities.

The District has effectively institutionalized a financing strategy that avoids short-term financing of District operations. For 2023, the Working Cash Funds have sufficient balances to provide the desired level of financing without imposing a tax levy.

The Five-Year Financial Forecast component of the Budget and interim budgetary reporting identify future revenue shortfalls well ahead of time to allow for legislative relief to be sought or for other management plans and programs to be developed to avoid actual revenue shortfalls or over committed financial obligations.

For the 38th consecutive year, the GFOA of the United States and Canada has presented the Distinguished Budget Presentation Award for the District's 2022 Annual Budget. The entire 2023 Budget is available at www.mwrd.org.

Investment and Cash Management Policy

The District's formal investment policy, in place since December 1999, and last revised in November 2018, states in its preamble that, "It shall be the policy of the District that all public funds available, not restricted by immediate need, be invested in investment securities so as to maximize return without sacrifice of safety or necessary liquidity." This policy complies with Public Act 90-688 requiring all public entities within the State of Illinois to have a formal investment policy passed by its governing authority and sets forth the parameters and objectives of the District's investment and cash management policy.

Funds received are to be deposited on the day of receipt and invested as soon as the funds become available, if not immediately required for cash flow needs. The primary objectives of investment activities, in priority order, are safety, liquidity, and yield.

District funds can be invested in such securities as authorized by Illinois Public Act 235, the Public Funds Investment Act. The investments which the District may purchase are limited to the following: (1) securities, which are fully guaranteed by the U.S. Government as to principal and interest; (2) certain U.S. Government Agency securities; (3) certificates of deposit or time deposits of banks and savings and loan associations which are insured by a federal corporation; (4) short-term discount obligations of the Federal National Mortgage Association; (5) certain short-term obligations of corporations (commercial paper) rated in the highest classifications by at least two of the major rating services; (6) fully collateralized repurchase agreements; (7) the State Treasurer's Illinois and Prime Funds; (8) money market mutual funds and certain other instruments; and (9) municipal

Financial Policies, Objectives, and Accomplishments

bonds of the state, or of any other state, or of any political subdivisions thereof, whether interest is taxable or tax-exempt under federal law, rated within the four highest classifications by a major rating service.

Investment activities are to incorporate sustainability considerations according to the revised Investment Policy and guidelines implemented in December 2019. An integration approach should be used, whereby sustainability criteria are combined with traditional financial considerations to identify and invest in companies that are better sustainability performers within a sector or industry group. Independent ratings and research will be used to evaluate environmental, social, governance/leadership (ESG), human capital, and business model/innovation factors when assessing opportunities to invest in commercial paper. The District will also maximize opportunities to invest in government agency and municipal bond instruments, which are designed to support ESG and sustainability factors.

Certificates of deposit or time deposits will be collateralized with securities of the U.S. Government, in an amount equal to 105 percent (at market) of the funds on deposit, or with a Federal Home Loan Bank letter of credit equal to 102 percent (at market).

Investment Objectives

- To maintain an average daily investment of at least 99 percent of funds available for investment.
- To increase minority and community development banking and broker/dealer participation in District investments to 30 percent of invested funds.

Investment Accomplishments

In the past ten years, the interest income earned on investments has been:

| | | | |
|------|---------------|-------|-----------------------|
| 2013 | \$ 11,525,000 | 2018 | \$ 14,829,000 |
| 2014 | 8,335,000 | 2019 | 17,843,000 |
| 2015 | 6,426,000 | 2020 | 7,941,000 |
| 2016 | 5,892,000 | 2021 | 3,500,000 |
| 2017 | 8,555,000 | 2022 | 6,500,000 (Estimated) |
| | | Total | \$ 91,346,000 |

Bonded Debt Policy

Bonded debt of the District is to be issued only in the amounts and for the purposes to which Illinois Statutes limit the District.

Bonded debt issued for working cash or capital improvement purposes is to be issued as general obligation debt of the District. Capital Improvements bonded debt is to be issued to mature no more than 30 years from the year of issue.

Bonded debt is to be issued only when needed, and in amounts necessary for meeting such needs, unless financial market conditions and/or projections indicate that it is in the District's best interest to deviate from this practice.

Excess fund balances in the Bond Redemption & Interest Fund may be identified and used to abate Bond Redemption & Interest Fund levies.

Bonded Debt Objectives

- To maintain or improve the District's Aa2, AAA, and AA+ bond ratings from Moody's Investor Services, Fitch Ratings, and Standard & Poor's Corporation, respectively.
- To provide timely and cost-effective bonded debt financing.
- To structure future debt service so as to provide a stable trend in future debt service tax levies.

Bonded Debt Accomplishments

The District has maintained strong bond ratings despite the economic challenges facing the overlapping governments.

The primary reason for the recent downgrades in ratings is the pressure on the District's tax base due to the significant debt burden and pension liabilities for major governmental agencies in Cook County, reflecting Moody's and Standard & Poor's opinion on the affordability of possible tax increases by other agencies and how this could impact Cook County residents. In addition, Moody's changed its pension rating methodology in April 2013 and implemented different assumptions to estimate the unfunded pension liability than is currently required by governmental accounting standards.

***Financial Policies,
Objectives, and
Accomplishments***

Bond Rating History

| Fitch Ratings | | Standard & Poor's Corporation | | Moody's Investor Services | |
|---------------|-----|-------------------------------|-----|---------------------------|-----|
| 2001-present | AAA | 2022-present | AA+ | 2015-present | Aa2 |
| 1999-2001 | AA+ | 2020-2022 | AA | 2013-2015 | Aa1 |
| 1995-1999 | AA | 2016-2020 | AA+ | 2002-2013 | Aaa |
| | | 2006-2016 | AAA | 1999-2002 | Aa1 |
| | | 2001-2006 | AA+ | 1997-1999 | Aa1 |
| | | 1969-2001 | AA | 1974-1997 | Aa2 |
| | | | | 1968-1974 | Aa |
| | | | | 1944-1968 | A1 |
| | | | | 1938-1944 | Baa |

The Illinois Legislature amended the Metropolitan Water Reclamation District Act to provide that the District must levy a direct annual tax to pay the principal and interest on indebtedness within 30 years after contracting the debt, enabling the District to issue debt for a maximum of 30 years after contracting the debt. In addition, the District’s Act was amended during 2019 to extend non-referendum bonding authority to December 31, 2034, effective on January 1, 2020.

Financial and Accounting Policies

The significant accounting policies of the District conform to GAAP in the United States of America, promulgated by the Government Accounting Standards Board (GASB) as applicable to governmental units.

The basic accounting and reporting entity of the District is a “fund.” The District’s governmental funds are reported using the current financial resources measurement focus and modified accrual basis of accounting.

The fiduciary funds of the District are the Pension Trust Fund and the OPEB Trust Fund. Trust fund assets and liabilities are accounted for on the full accrual basis, and investments are recorded at market value. Property taxes and the personal property replacement tax are accrued to the extent that they are measurable and available to satisfy liabilities of the reporting period.

An internal audit function is maintained as an independent appraisal activity for the review of accounting, financial, internal control structure, and other operations. It aids managerial control by measuring and evaluating the effectiveness of and compliance with District policies, procedures, and other internal controls, as directed by the Executive Director.

Financial and Accounting Objectives

- District financial information is available through the Annual Comprehensive Financial Report, Budget Report, Grantor Agency Reports, and supplementary information.
- District financial reports are prepared in compliance with GAAP to fulfill the District’s duty to be publicly accountable while allowing users to assess that accountability.
- District financial reports are designed to assist users in evaluating the District’s ongoing operations and assessing the level of services provided and our ability to meet obligations as they become due.
- The annual audit performed by independent certified public accountants ensures compliance with generally accepted accounting principles including GASB statements. In addition to meeting the requirements as set forth in the State of Illinois Compiled Statutes, Chapter 70, 2605/5.12, the audit will also ensure compliance with the Federal Single Audit Act regulations in OMB Circular A-133.
- GASB 87 was implemented in 2021 as required in order to improve lease reporting. Going forward, leases will be accounted for and reported as financings for the right to use an underlying asset. As the District is the lessor for hundreds of leases and easements, the new reporting model will have a substantial impact on the District's reporting for leases.
- The Internal Auditing Section assists the Executive Director by furnishing independent and objective analyses, appraisals, and recommendations for improvement concerning the activities reviewed.
- On July 13, 2006, the Board adopted a policy to address GASB 45, requiring reporting of the future liability for maintaining Other Postemployment Benefits (OPEB), primarily retiree health insurance benefits. GASB 45 was superseded

Financial Policies, Objectives, and Accomplishments

by GASB 75. The OPEB Trust Fund implemented GASB 74 (for post-retirement plan) in 2017 and the District implemented GASB 75 (for employer) in 2018.

- An irrevocable trust, the Metropolitan Water Reclamation District Retiree Health Care Trust, was established to fund the future OPEB liability with the following operating parameters. On October 2, 2014, the funding policy was amended by the Board with the following parameters:
 - 100 percent maximum funding level;
 - 12 year funding period;
 - \$5 million funding in each of the 12 years 2015 through 2026, with no further advance funding contributions required after 2026. Beginning in 2027, cash to be withdrawn from the Trust to fund claims and insurance premiums will be determined by the plan's actuary with the funding percentage to be maintained at 100 percent for all future years.
 - On November 19, 2009, the Board adopted the OPEB Trust Investment Policy designed to control risk and provide guidance in establishing a prudent investment strategy for the Trust. The policy was subsequently revised most recently on November 15, 2018 to allow for new asset allocation targets structured to provide competitive performance while minimizing the potential for losses. The current policy allows for a range of exposure to four aggregate asset classes including domestic equities, international equities, fixed income securities, along with money market funds and cash.

The District has adopted the following fund balance policy in conformity with GASB 54, Fund Balance Reporting and Governmental Fund Type Definitions:

- *Committed Fund Balances* - The District's Board shall establish, modify, or rescind a fund balance commitment by formal action of the Board;
- *Assigned Fund Balances* - The Executive Director may assign amounts of fund balances to a specific purpose;
- *Accounting Policies of Fund Balances* - The General Corporate Fund is a combination of the Corporate, Working Cash, and Reserve Claim Funds. In the General Corporate Fund, the District considers restricted amounts to have been spent first when an expenditure is incurred for purposes for which both restricted and unrestricted fund balance is available, followed by committed amounts, and then assigned amounts. Unassigned amounts are used only after the other categories of fund balance have been fully utilized. In governmental funds, other than the General Corporate Fund, the District considers restricted amounts to have been spent last. When an expenditure is incurred for purposes for which both restricted and unrestricted fund balance is available, the District will first utilize assigned amounts, followed by committed amounts, and then restricted amounts.

For the year ended December 31, 2015, the Board adopted a policy to implement GASB 68. The following categories are recognized and reported in the Annual Comprehensive Financial Report to better illustrate the pension liability to the District:

- Net pension liability
- Annual pension expense

Financial Accomplishments

The GFOA awarded a Certificate of Achievement for Excellence in Financial Reporting to the District for its Annual Comprehensive Financial Report for the year ended December 31, 2021, and for the MWRD Retiree Health Care Trust for the year ended December 31, 2021. This is the 47th consecutive year and 15th consecutive year that the District has received these prestigious awards, respectively. The Annual Comprehensive Financial Reports are available at www.mwrdd.org. The external audit of the District's 2021 financial statements, completed on May 17, 2022, includes an unmodified opinion. In 2022, the Internal Audit Section completed 16 audits in addition to overseeing the applications to FEMA and Cook County seeking reimbursement for COVID-19 global pandemic related expenses.

Policy Development and The Budget Process

Policy Development and the Budget Process

Policy development for the District, performed on both the legislative and executive level, is ongoing and integrally related to the budget process.

Planning and Policy Development Activities of the Board of Commissioners

The District’s Board is the organization’s legislative branch wherein planning is done through a standing committee structure, whereby committee chairpersons and vice-chairpersons are elected by the Board concurrent with the biannual election of officers. With the exception of the Committee on Finance, whose chair is specifically referred to in the District’s enabling legislation, the focus of each committee is determined by the Board itself. The members of these committees are made up of fellow commissioners. The Board’s committees follow:

| | | |
|--------------------------------------|---|-------------------------|
| Affirmative Action | Budget and Employment | Engineering |
| Ethics | Federal Legislation | Finance |
| Industrial Waste and Water Pollution | Information Technology | Judiciary |
| Labor and Industrial Relations | Maintenance and Operations | Monitoring and Research |
| Municipalities | Pension, Human Resources, and Civil Service | Procurement |
| Public Health and Welfare | Public Information and Education | Real Estate Development |
| State Legislation and Rules | Stormwater Management | |

These standing committees develop plans and formulate policies that are then brought before the entire Board for formal adoption. These plans and policies provide direction to both the Board itself and the staff. On critical issues, and where broad discussion is warranted for future consensus building, the committee chairperson periodically calls “study sessions” inviting public testimony and discussion.

District Commissioners participate in regional planning and policy development as members of commissions, associations, and steering committees. By law, the Chairman of Finance serves on the Cook County Public Building Commission. The District has formally designated Commissioner representatives on the Chicago Metropolitan Agency for Planning and Fulton County Steering Committee. District participation in these regional planning committees ensures regional coordination, cooperation, and communication for policy development and planning.

The Board periodically recruits pro bono ad hoc Blue Ribbon Committees made up of government and business leaders to solicit input on issues of either regional interest or where expertise in an area outside the District’s primary functions is required.

Formal adoption of District policies is enacted at regularly scheduled Board meetings (semi-monthly) or at special Board meetings focused on a specific issue.

Strategic Plan

In the fall of 2020, the Board of Commissioners and the Executive Team began working together to develop the 2021-2025 Strategic Plan. A Steering Committee, consisting of the District’s leaders, was formed to oversee the effort. Outreach to staff, local governments, and members of the public was a critical part of the process to ensure the inclusion of a range of perspectives in the development of the Strategic Plan. The plan will be updated on a yearly basis and will be coordinated with the annual budget process, which will allow the consideration of updates that require additional resources during the budget process and will ensure that the updated Strategic Plan and annual Budget are aligned.

Planning Activities by Staff

The Executive Director serves as the District’s Chief Executive Officer and is responsible for the day-to-day administration of the organization. It is through the direction and authority of this office that compliance with the laws governing the agency and the policies established by the Board is assured. Under the direction of these laws and policies, staff planning takes place on various organizational platforms. Through organizational planning units, steering committees, task forces, and general managerial planning, District staff establishes organizational goals, objectives, and priorities. Planning takes place on both an interdepartmental and intradepartmental basis. Each committee or task force has representation that crosses departmental lines to ensure corporate agreement.

Policy Development and The Budget Process

Committees and Task Forces Planning

Other formal planning is accomplished through the utilization of committees and task forces. Committees and task forces meet monthly except for the Board of Standardization, which meets quarterly or as needed. A list of the various staff committees and task forces is as follows:

| | | |
|--------------------------|----------------------|-------------------------------------|
| Inventory Review Board | Biosolids Task Force | Non-Core Business Project Committee |
| Board of Standardization | Injury Task Force | Records Management Committee |
| Natural Gas Committee | Audit Committee | Operations Committee |

Each of these planning groups is delegated the responsibility to serve as District-wide planners for specific organizational needs. The Operations Committee includes subcommittees with designated assignments and purpose. These subcommittees work independently and then report their recommendations to the committee of the whole.

The Budget Process and Budget Procedures

The Management & Budget Section of General Administration, staff to the Executive Director, prepares the Annual Budget and five-year financial plan, including coordinating and consolidating the capital and maintenance plans for the upcoming and future years. Revenue projections and debt service requirements are examined along with the financial feasibility of capital projects considering external and self-imposed financial constraints. The end product of this process is the Annual Appropriation Ordinance and a Five-Year Financial Forecast.

The 2023-2027 Five-Year Financial Forecast is prepared prior to the Executive Director's Budget Recommendations and reflects the best estimates of revenues, fund equity, and appropriation needs available at the time. The forecast is presented to the Executive Director. Subject to his review and approval, it is then included in the Budget. The projections are a tool designed to aid the District in planning and controlling its financial position over a longer range than the Annual Budget. It contributes to making the budget a comprehensive financial plan of District operations, past, present, and future. It summarizes the tax impact of the District's strategic goals and objectives.

All participants in the planning process are made aware of the District's budget process and cycle. The budget calendar is relatively the same from year-to-year and is distributed to the Board and staff in the first quarter of the preceding budget year. Correspondingly, planning groups develop plans, schedules, and detailed justification for personnel, contractual services, materials and supplies, equipment, and capital projects to comply with the annual budgeting process and cycle. Existing facilities' plans, historical expenditures, cash-flow projections, and long-term forecasts provide valuable guidelines as to the availability of resources for the upcoming budget development. These guidelines both facilitate the development of the budget and allow for meaningful debate during the budget review process as to priorities and organizational goals for the budget year, as well as future years. An outline of the Annual Budget process and procedures follows. The Strategic Plan guides the development of the Budget and the Five-Year Financial Forecast.

Policy Development and The Budget Process

The fiscal year of the District begins on January 1 and ends on December 31.

1. After the first half of the fiscal year, the Budget Office holds a meeting with departmental budget representatives to discuss policy and procedures for budget preparation that begins in July. Instructions are distributed to departments, together with guidelines from the Executive Director, which indicate the direction the Budget should follow for the coming fiscal year. The basic forms are returned to the Budget Office and a general summary is prepared for the Executive Director, who conducts departmental hearings in August.
2. A revenue meeting is conducted by the Executive Director, Administrative Services Officer, and Budget Officer, along with those departments responsible for revenue items. Available resources used to finance the Budget are analyzed at this meeting.
3. When departmental estimates are approved and final decisions are made, a Budget Message is prepared and the proposals of the Executive Director become the initial budget document. After departmental requests are finalized, the Executive Director's Budget Recommendations are published within 15 days. The Executive Director's Budget Recommendations are published and presented to the Board in October. At all times, the Budget figures are balanced between revenues and expenditures.
4. The Board's Committee on Budget and Employment holds public meetings with the Executive Director and department heads regarding the Executive Director's proposals.
5. At the conclusion of these hearings, the Committee on Budget and Employment recommends the preparation of a second document, a supplement to the Executive Director's Budget Recommendations called the "Tentative Budget," which incorporates changes approved at the hearings. Once printed, this is placed on public display, along with the Executive Director's Budget Recommendations, for a minimum of 10 days. An advertisement is published in a general circulation newspaper announcing the availability of the Tentative Budget for inspection at the main office of the District, and specifying the time and date of the public hearing.
6. At least one public hearing is held between 10 and 20 days after the Budget has been made available for public inspection. All interested individuals and groups are invited to participate.
7. After the public hearing, the Committee on Budget and Employment presents the Tentative Budget, which includes revisions and the approved Appropriation and Tax Levy Ordinances, to the Board for adoption. This action must take place before January 1.
8. The Budget, as adopted by the Board, can be amended once at the next Regular Meeting of the Board. No amendment, however, can be requested before a minimum of five days after the Budget has been adopted. Amendments for contracts and/or services not received before December 31 must be reappropriated in the new Budget and are included through this amendment process.
9. The final budget document "As Adopted and Amended" is produced, and an abbreviated version, known as the "short form" is published in a newspaper of general circulation before January 20 of the fiscal year.
10. Budget implementation begins on January 1. The Finance Department and Budget Office provide control of appropriations and ensure that all expenditures are made in accordance with budget specifications. The manual entitled "Budget Code Book" is published in conformance with the Adopted Budget and is used to administer, control, and account for the Budget.
11. Supplemental appropriations can be made for the appropriation of revenues from federal or state grants, loans, bond issues, and emergencies. The Executive Director is authorized to transfer appropriations between line items within an object class of expenditure within a department. After March 1 of each fiscal year, transfers of appropriations between objects of expenditures or between departments must be presented for approval to the Board in accordance with applicable statutes.
12. The Board can authorize, by a two-thirds majority, the transfer of accumulated investment income between funds and the transfer of assets among the Working Cash Funds.

CALENDAR FOR 2023 BUDGET

Executive Director's Budget Recommendations
Submitted to Board of Commissioners Tuesday, October 11, 2022

Committee on Budget and Employment Hearings at 1:00 P.M.Thursday, November 3, 2022
(Friday, November 4, 2022, if necessary)

Committee on Budget and Employment Submits Tentative Budget
to Board of Commissioners for Public Display Thursday, November 17, 2022

Board of Commissioners Holds a Public Hearing
on the Budget at 2:00 P.M. Thursday, December 1, 2022

Board of Commissioners Adopts the Budget Thursday, December 8, 2022

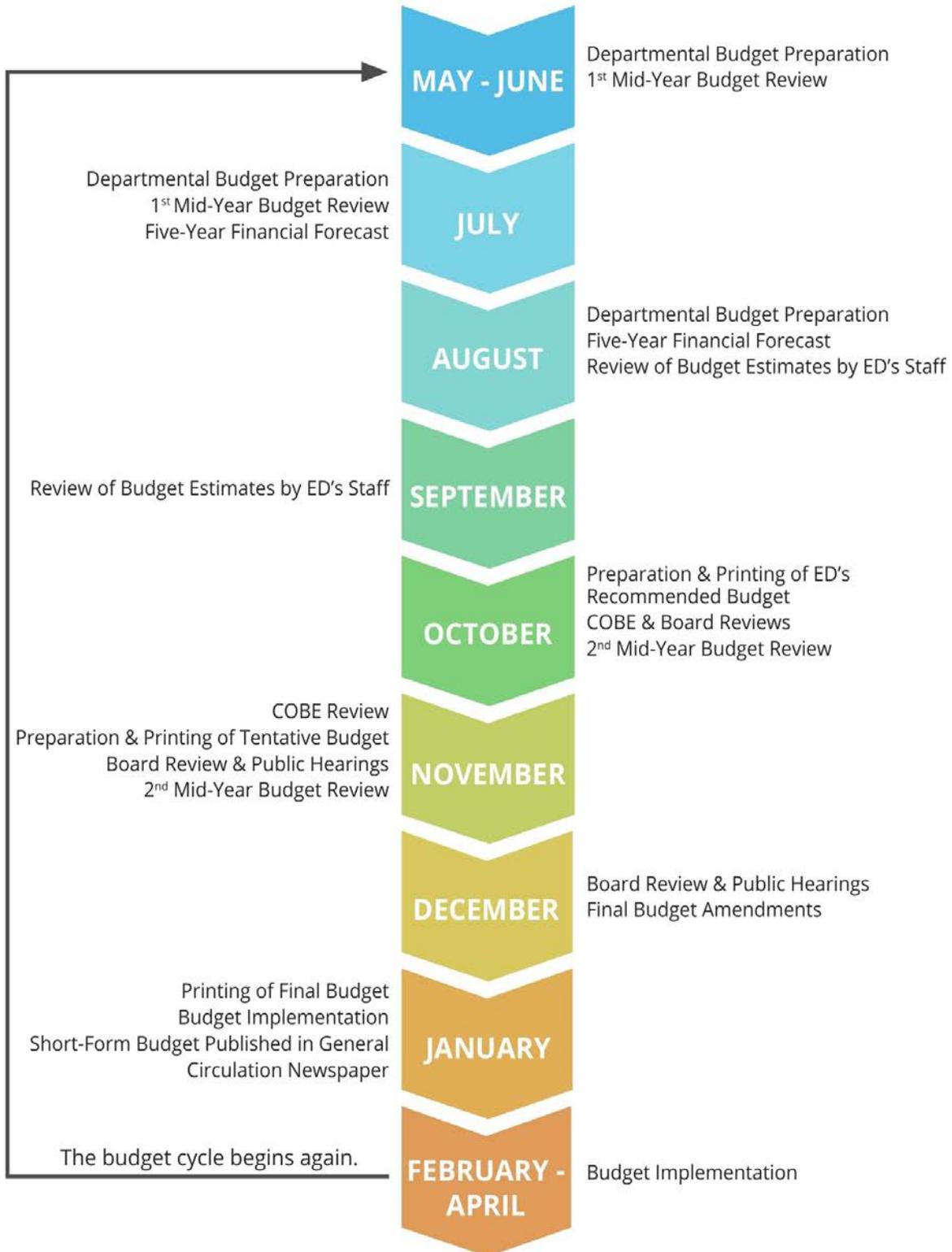
Board of Commissioners Amends the Adopted Budget Thursday, December 15, 2022



A view to the west at construction of a bridge at 127th Street over the Cal-Sag Channel between Alsip and Crestwood on August 18, 1916. The channel helped reverse the flow of the Calumet River System away from Lake Michigan. The channel and Calumet Water Reclamation Plant were completed in 1922.

BUDGET CYCLE FOR 2022 - 2023

Each year, the District prepares and presents a complete financial plan for the budget year. The District monitors the revenues and expenditures on a regular basis. In accordance with the Illinois Compiled Statutes, the District maintains a balanced budget. The fiscal year begins on January 1 and ends on December 31.



COBE - Committee on Budget and Employment
ED - Executive Director

REPORT OF COMMITTEE ON BUDGET AND EMPLOYMENT

Presented to the Board of Commissioners of the
Metropolitan Water Reclamation District of Greater Chicago

*To the Honorable, President and Members of the Board of
Commissioners of the Metropolitan Water Reclamation
District of Greater Chicago*

LADIES AND GENTLEMEN:

Your Chairman of the Committee on Budget and Employment respectfully reports that she has under consideration the resources of the Metropolitan Water Reclamation District of Greater Chicago and its estimated receipts, together with the sum of money required to be appropriated to defray the necessary expenses and liabilities of the Metropolitan Water Reclamation District of Greater Chicago for the fiscal year beginning January 1, 2023 and ending December 31, 2023, as prepared and submitted by the Executive Director in the document entitled "2023 Budget - Executive Director's Recommendations - October 11, 2022," which document is incorporated by reference herein, made a part hereof and attached hereto.

Your Chairman of the Committee on Budget and Employment has duly considered and reviewed the above budget estimates and revised and amended the same, in certain particulars, which estimates, as amended, were and are approved by your Chairman of the Committee on Budget and Employment and are submitted herewith in final revised form, setting forth the details of the estimates of the resources, revenues and expenditures for the future consideration, review, adoption, and passage by the Board of Commissioners. Your Chairman of the Committee on Budget and Employment further reports that in the consideration and revision of the estimated resources and departmental expenditures, it has received, considered, and transmits them herewith for the guidance of the Board of Commissioners and for public information. The budget estimates are prepared and made up of the following three parts:

- a. General Budget summary setting forth the aggregate figures of the budget in such manner as to show the balanced relations between the total proposed expenditures and the total anticipated revenues and other means of financing the budget for the fiscal year ending December 31, 2023, contrasted with the actual receipts and disbursement figures for the preceding year and the estimated figures for the current year. The budget of the Corporate Fund, Construction Fund, Capital Improvements Bond Fund, and Stormwater Management Fund has been planned and balanced with receipts on an actual cash basis and expenditures on an accrual basis pursuant to Statutes,
- b. The several estimates, statements and other detail, and the complete financial plan for the budget year, set forth as required in Section 5.3 of the Metropolitan Water Reclamation District Act (Chap. 70, Sec. 2605/5.3, Illinois Compiled Statutes),
- c. Complete draft of the Appropriation Ordinances and Tax Levy Ordinances required to give legal sanction to the

appropriation when approved and adopted by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago.

Your Chairman of the Committee on Budget and Employment further reports that she has prepared and herewith transmits a draft of Ordinances to be adopted and passed by the Board of Commissioners entitled:

"Annual Appropriation Ordinance of the Metropolitan Water Reclamation District of Greater Chicago for the fiscal year beginning January 1, 2023 and ending December 31, 2023";

and

"An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2023 and ending December 31, 2023, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023, for the purpose of providing revenues for the Metropolitan Water Reclamation District Retirement Fund and Corporate Fund";

and

"An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2023 and ending December 31, 2023, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023, for the purpose of providing revenues for the Construction Fund";

and

"An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2023 and ending December 31, 2023, to pay the interest on outstanding Bonds and to discharge the principal thereof";

and

"An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2023 and ending December 31, 2023, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023, for the purpose of providing revenues for the Reserve Claim Fund";

and

"An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2023 and ending December 31, 2023,

upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023, for the purpose of providing revenues for the Stormwater Management Fund”;

Your Chairman of the Committee on Budget and Employment also recommends the passage of the following Orders:

Ordered: That the foregoing report and budget estimates as transmitted by the Chairman of the Committee on Budget and Employment, and the following Ordinances submitted with said report, which have not been adopted be and the same are hereby received for the consideration, adoption and passage by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

“Annual Appropriation Ordinance of the Metropolitan Water Reclamation District of Greater Chicago for the fiscal year beginning January 1, 2023 and ending December 31, 2023”;

and

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2023 and ending December 31, 2023 upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023, for the purpose of providing revenues for the Metropolitan Water Reclamation District Retirement Fund and Corporate Fund”;

and

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2023 and ending December 31, 2023, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023, for the purpose of providing revenues for the Construction Fund”;

and

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2023 and ending December 31, 2023, to pay the interest on outstanding Bonds and to discharge the principal thereof”;

and

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2023 and ending December 31, 2023, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023,

Approved as to Form and Legality:


General Counsel

for the purpose of providing revenues for the Reserve Claim Fund”;

and

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2023 and ending December 31, 2023, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023, for the purpose of providing revenues for the Stormwater Management Fund”;

and it is further

Ordered: That upon the adoption and passage of the Appropriation Ordinance and the above mentioned Tax Levy Ordinances, the report of your Chairman of the Committee on Budget and Employment, together with the complete budget and statements of the assets, the estimated resources and the revenues of the Metropolitan Water Reclamation District of Greater Chicago for the fiscal year 2023 and the Ordinances listed above which are required to give legal sanction to the appropriations when adopted and passed by the Board of Commissioners, the vote shall be entered in the Proceedings of the Board of Commissioners and the ordinances, report, budget and statements shall be printed in book form for easy reference and examination, and for controlling the expenditures by the Board of Commissioners during the fiscal year beginning January 1, 2023 and ending December 31, 2023;

and it is further

Ordered: That the report of your Chairman of the Committee on Budget and Employment and the Appropriation Ordinances of the Metropolitan Water Reclamation District of Greater Chicago for the year 2023 and the Tax Levy Ordinances listed above which are required to give legal sanction to the appropriation when adopted and passed by the Board of Commissioners together with the summary of estimated revenues and estimated expenditures for the year beginning January 1, 2023 and ending December 31, 2023, shall be published once before January 20, 2023, in a newspaper having general circulation within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago;

and it is further

Ordered: That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby authorized and directed to carry out the aforementioned orders and to incur the necessary expenses thereof.

Respectfully submitted,



Chairman,
Committee on Budget and Employment

APPROPRIATION ORDINANCE NUMBER O22-008A

**ANNUAL APPROPRIATION ORDINANCE OF THE
METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO
FOR THE FISCAL YEAR BEGINNING JANUARY 1, 2023
AND ENDING DECEMBER 31, 2023**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. That this Ordinance be and the same is hereby termed the “Annual Appropriation Ordinance of the Metropolitan Water Reclamation District of Greater Chicago for the fiscal year beginning January 1, 2023, and ending December 31, 2023.”

Section 2. That the amounts hereinafter set forth or so much thereof as may be authorized by law and as may be needed, and not exceeding the aggregate sum allocated to and expendable by each department or principal division, be and the same are hereby appropriated for the payment of: (a) interest coupons on bonds; (b) sinking fund requirements for the payment of the principal of said bonds; (c) the Metropolitan Water Reclamation District Retirement Fund; (d) Construction Fund purposes; (e) Capital Improvements Bond Fund purposes; (f) Reserve Claim Fund; (g) Stormwater Management Fund purposes; and (h) all other corporate purposes of the Metropolitan Water Reclamation District of Greater Chicago during the fiscal year beginning January 1, 2023, and ending December 31, 2023.

Section 3. That for the purposes of accounting and expenditure control, the budgetary accounts set forth under the recital of estimated resources of the Metropolitan Water Reclamation District of Greater Chicago and budgetary accounts and code designations set forth in this Ordinance, shall be the official code designations of the Metropolitan Water Reclamation District of Greater Chicago and that the manual of Classification of Budgetary Code Accounts issued by General Administration of the Metropolitan Water Reclamation District of Greater Chicago, as revised, shall be in conformity therewith.

Section 4. That the Clerk and the other Heads of Departments of the Metropolitan Water Reclamation District of Greater Chicago shall use the aforesaid official code designations in administering the Appropriation Ordinance and in accounting for expenditures authorized herein.

Section 5. That wherever an appropriation is made under the classification “Personal Services,” “Contractual Services,” “Materials and Supplies,” “Machinery and Equipment,” “Capital Improvements,” “Land” or “Fixed and other Charges,” it is supported by a schedule of Line Items.

The Executive Director is authorized to transfer appropriations between line items within an object class of expenditure within a department. Transfers of appropriations between objects of expenditure or between departments must

be presented for approval to the Board of Commissioners in accordance with applicable statutes.

All expenditures against such appropriations shall be made in accordance with such supporting Line Item Schedules, and no voucher shall be approved by the Clerk for a sum exceeding the amount shown in said schedules; that the titles and the compensations appearing in the Personal Services supporting schedules shall be construed to be the official titles and maximum compensation for the same.

(a) Included in the appropriation for Total Personal Services is Account Number 601010 “Salaries of Regular Employees” that includes District pickup of employees’ contributions to the Pension Fund and in applicable departments, divisions or sections is Account Number 601060 “Compensation Plan Adjustments” provided for the purpose of implementing the Compensation Plan and associated salary and pay grade schedules for classified employees and exempt secretaries as adopted by the Board of Commissioners. The amount set up under Account Number 601060 “Compensation Plan Adjustments” includes (1) the adjustment of salaries for employees eligible to receive step increases based on the prescribed standards of service and performance, (2) changes in Labor and Trades Wage Schedule Classifications as authorized by the Board of Commissioners, and (3) payments to eligible employees for incentive pay for unused sick leave, retirements, severance, termination, and unused overtime and/or vacation pay as authorized by the Board of Commissioners.

(b) The symbol “#” followed by a number or “(AC)”, when used in the budget document, means the following:

#1. After a title, signifies that the incumbent will retain the title until he or she vacates the position and then the position will be dropped.

(AC). After a title, signifies that the position is subject to appropriation control. It may be dropped at the discretion of the Executive Director based on operational requirements.

#2. After a title, signifies that when the position is vacated, the person filling the vacancy will receive the title within the parentheses. It can also indicate that while a grade level for a class title has been lowered, the incumbent in the position will be retained at the current grade level. This is indicated by a notation of the new grade level in parentheses following the title.

APPROPRIATION ORDINANCE NUMBER O22-008A

**ANNUAL APPROPRIATION ORDINANCE OF THE
METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO
FOR THE FISCAL YEAR BEGINNING JANUARY 1, 2023
AND ENDING DECEMBER 31, 2023
(CONTINUED)**

#4. After a title, signifies that while a class title has been assigned to the Technical, Administrative and Managerial (TAM) salary schedule, the incumbent in the position will be compensated under the previously assigned Professional and Managerial (PM) or General Service (GS) salary schedule. When the position is vacated, the person filling the vacancy by promotion or new appointment will be compensated under the TAM salary schedule.

Section 6. That amounts appropriated under classifications other than “Personal Services” to any department or division of the Metropolitan Water Reclamation District of Greater Chicago shall be expended under the following conditions:

(a) Insofar as practicable, all contracts for purchases and open market orders for purchases to be charged against such appropriation shall be based upon specifications which are definite and certain as to character and quality, and which conform to standard specifications for the various classes of Materials and Supplies, Machinery and Equipment already prescribed or hereafter to be prescribed by the Board of Standardization of the Metropolitan Water Reclamation District of Greater Chicago.

(b) The Clerk of the Metropolitan Water Reclamation District of Greater Chicago shall certify to the sufficiency of appropriations out of which such amounts due under contracts are to be paid.

(c) The Director of Procurement and Materials Management shall certify that the specifications for purchases of such Materials and Supplies, and Machinery and Equipment, for which standard specifications have been prescribed by the Board of Standardization of the Metropolitan Water Reclamation District of Greater Chicago, are in conformity with such standard specifications.

(d) All open market orders issued by any department or division for Materials and Supplies, and Machinery and Equipment, for which specifications shall have been prescribed by the Board of Standardization of the Metropolitan Water Reclamation District of Greater Chicago, shall contain a description of the goods ordered and insofar as practicable and feasible conform with such standard specifications.

(e) The Director of Procurement and Materials Management shall, in auditing claims for goods delivered on open market order, determine through inspection or otherwise, whether the goods delivered conform to such standard specifications.

(f) Every contract or purchase order involving amounts in excess of \$10,000.00 shall be signed by the Chairman of the Committee on Finance or other duly authorized officer of the Board of Commissioners, by the Executive Director, by the Clerk, and by the Director of Procurement and Materials Management of the Metropolitan Water Reclamation District of Greater Chicago.

The only exception to the above is for contracts and purchase orders for materials, supplies, and equipment, for which the competitive bid threshold is \$25,000.00. Contracts and purchase orders for these items that do not involve amounts in excess of \$25,000.00 only require the signature of the Director of Procurement and Materials Management of the Metropolitan Water Reclamation District of Greater Chicago.

(g) The Comptroller of the Metropolitan Water Reclamation District of Greater Chicago shall conduct audits of all expenditures. The Comptroller shall report the results of such audits to the President and the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago.

Section 7. That no employee shall have the right to demand continuous employment and compensation by reason of the appropriation if it becomes necessary to lay an employee off due to lack of work or lack of funds.

Section 8. That the supporting schedules and statements including unpaid bills and the item objects and purposes are appropriated for as follows:

NOTE PAGE

SECTION II

BUDGET AND FINANCIAL SUMMARIES, SCHEDULES, AND EXHIBITS

This section includes a broad overview of the 2023 Budget with comparisons to past years and the projection of future District needs.

It begins by asking two basic questions: Where Does the Money Come From? and Where Does the Money Go? Answers are presented graphically using a dollar bill to illustrate.

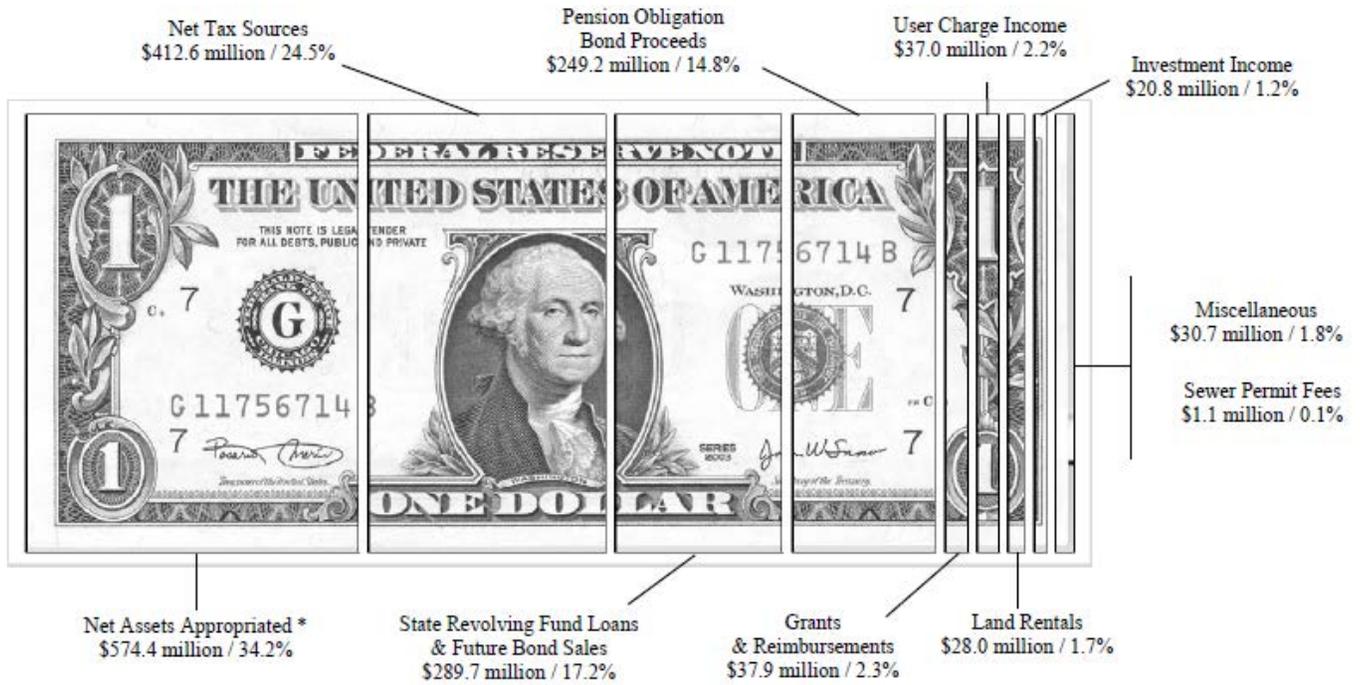
The comparison of budget and current year appropriations, tax levies, and tax rates by fund is one of the most comprehensive and most useful comparisons in the budget.

Continuing to look at the overall picture, this section presents a detailed view of the entire budget, organizing information in different ways so that the user can compare budget and current year appropriations by department, fund, object, and program. Allocation of personnel is also compared by year, department, and fund.

Having looked at the budget plan for 2023 and comparing it to previous years, this section also provides a projection of the future: the comprehensive Five-Year Financial Forecast for 2023 - 2027.

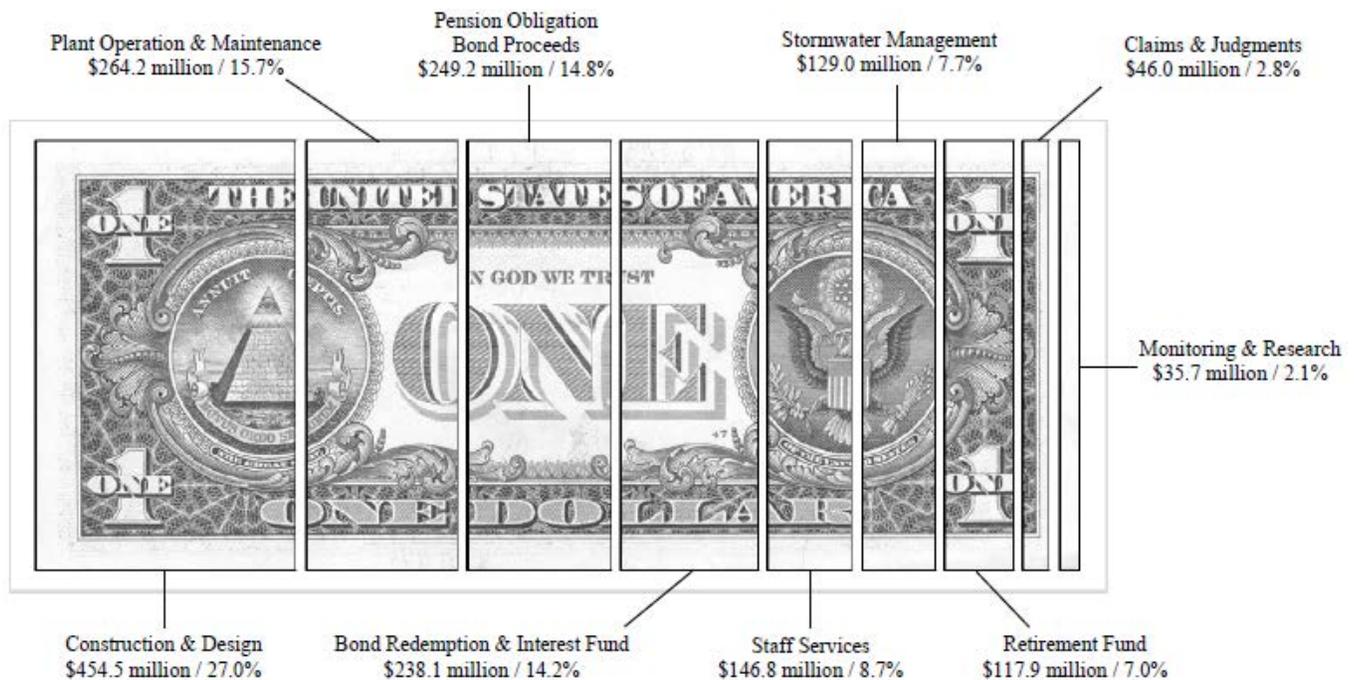
| | |
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WHERE THE MONEY COMES FROM: \$1,681.4 MILLION



* \$574.4 of the \$756.0 Net Assets Appropriable detailed in the analysis on the following page will be appropriated as revenue for 2023.

WHERE THE MONEY GOES: \$1,681.4 MILLION



SUMMARY OF NET ASSETS APPROPRIABLE
at January 1, 2023
(In Millions)

FUND

| CURRENT ASSETS | CORPORATE | CAPITAL IMPROVEMENTS BOND | CONSTRUCTION | STORMWATER MANAGEMENT | RETIREMENT | BOND REDEMPTION & INTEREST | RESERVE CLAIM | TOTAL |
|-----------------------------|------------------|----------------------------------|---------------------|------------------------------|-------------------|---------------------------------------|----------------------|-------------------|
| Cash & Investments | \$ 238.5 | \$ 369.7 | \$ 12.1 | \$ 55.3 | \$ — | \$ 43.3 | \$ 36.7 | \$ 755.6 |
| Restricted Cash | — | — | — | — | — | — | — | — |
| Deposit with Escrow Agent | — | — | — | — | — | — | — | — |
| Taxes Receivable | 274.5 | — | 7.3 | 56.5 | 69.5 | 244.0 | 7.3 | 659.2 |
| Prior Year Taxes Receivable | 45.6 | — | 1.4 | 9.9 | — | 45.0 | 1.4 | 103.3 |
| Replacement Tax | 42.0 | — | — | — | 18.4 | — | — | 60.4 |
| Grants | — | — | — | — | — | — | — | — |
| State Revolving Fund | — | — | — | — | — | — | — | — |
| Loans Receivable | — | — | — | — | — | — | — | — |
| Due from Other Funds | — | — | — | — | — | — | — | — |
| Total | \$ 600.6 | \$ 369.7 | \$ 20.9 | \$ 121.7 | \$ 87.9 | \$ 332.3 | \$ 45.4 | \$ 1,578.5 |

CURRENT LIABILITIES, DESIGNATIONS AND RESTRICTIONS

| | | | | | | | | |
|--|-----------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|-----------------|
| Unpaid Bill and Contingent Liabilities | \$ 27.8 | \$ 170.6 | \$ 2.9 | \$ 4.5 | \$ — | \$ — | \$ 0.3 | \$ 206.0 |
| Due to Working Cash Funds | 310.2 | — | 6.7 | 55.0 | — | — | — | 371.9 |
| Liabilities for Restricted Assets | — | 138.8 | — | — | — | — | — | 138.8 |
| Principal and Interest | — | — | — | — | — | 105.7 | — | 105.7 |
| Total | \$ 338.0 | \$ 309.4 | \$ 9.6 | \$ 59.5 | \$ — | \$ 105.7 | \$ 0.3 | \$ 822.4 |
| *Net Assets Appropriable | \$ 262.6 | \$ 60.3 | \$ 11.3 | \$ 62.2 | \$ 87.9 | \$ 226.6 | \$ 45.1 | \$ 756.0 |
| Budget Reserve | \$ (181.6) | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ (181.6) |
| Budget Reserve for Transfer to the Retirement Fund | \$ (30.0) | \$ — | \$ — | \$ — | \$ 30.0 | \$ — | \$ — | \$ — |
| Net Assets Appropriated | \$ 51.0 | \$ 60.3 | \$ 11.3 | \$ 62.2 | \$ 117.9 | \$ 226.6 | \$ 45.1 | \$ 574.4 |
| Equity Transfer | \$ — | \$ — | \$ — | \$ (9.5) | \$ — | \$ 9.5 | \$ — | \$ — |

* Net Assets Appropriable = Current Assets - Current Liabilities

Note: Amounts are rounded.

ESTIMATED TAX RATE

Estimated tax rate to be levied for each \$100.00 of assessed valuation as equalized to finance the appropriations of the Metropolitan Water Reclamation District of Greater Chicago is as follows:

Upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023.

| | |
|---------------------------------|----------------|
| Gross Corporate Fund..... | 15.68 ¢ |
| Construction Fund..... | 0.37 |
| Stormwater Management Fund..... | 2.81 |
| Retirement Fund..... | 3.79 |
| Reserve Claim Fund..... | 0.40 |
| Subtotal..... | <u>23.05 ¢</u> |

Bond Redemption & Interest Fund:

Capital Improvements Bonds - Series:

| | |
|--|--------|
| 2016 Qualified Energy Conservation Limited Tax Series F..... | 0.01 ¢ |
| 2009 Limited Tax Series..... | 1.90 |
| 2014 Limited Tax Series C..... | 0.20 |
| 2014 Alternate Revenue Unlimited Tax Series B..... | 0.07 |
| 2016 Alternate Revenue Unlimited Tax Series E..... | 0.20 |
| 2016 Unlimited Tax Series C..... | 0.08 |
| 2016 Limited Tax Series D..... | 0.16 |
| 2021 Limited Tax Series A..... | 0.29 |
| 2021 Unlimited Tax Series B..... | 0.08 |

State Revolving Fund Bonds - Series:

| | |
|--------------|--------|
| Various..... | 5.37 ¢ |
|--------------|--------|

Refunding Bonds - Series:

| | |
|--|----------------|
| 2007 Unlimited Tax Series B..... | 0.27 ¢ |
| 2007 Limited Tax Series C..... | 0.30 |
| 2016 Unlimited Tax Series A..... | 2.19 |
| 2016 Limited Tax Series B..... | 0.34 |
| 2021 Limited Tax Series C..... | 1.49 |
| 2021 Unlimited Tax Series D..... | 0.09 |
| 2021 Unlimited Taxable Series E..... | 0.15 |
| 2021 Alternate Revenue Unlimited Taxable Series F..... | 0.11 |
| Subtotal Bond Redemption & Interest Fund..... | <u>13.30 ¢</u> |

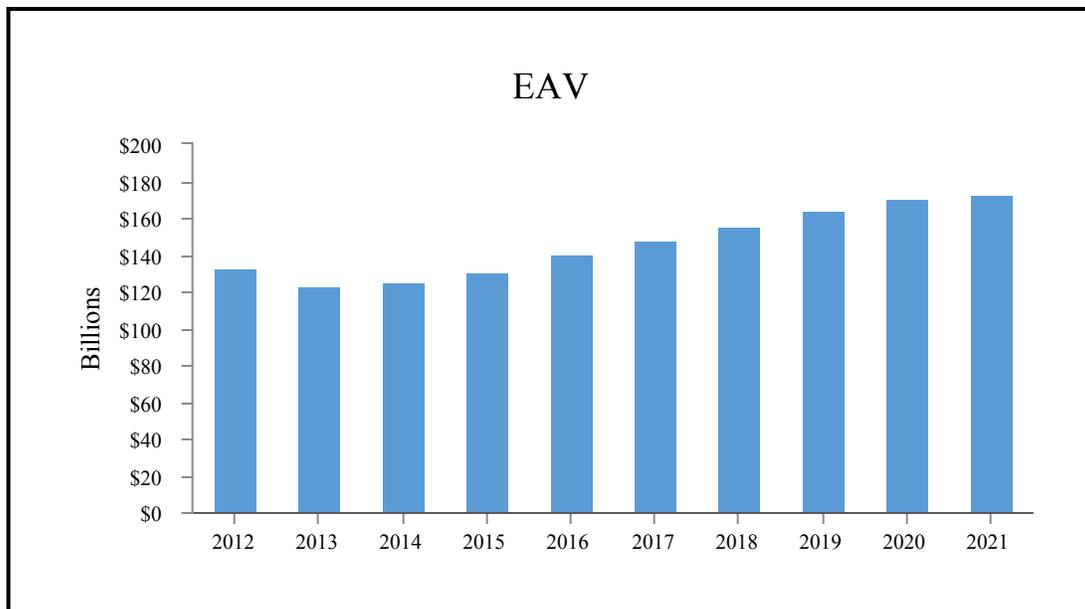
| | |
|---|------------------------------|
| TOTAL ESTIMATED TAX RATE - 2023..... | <u><u>36.35 ¢</u></u> |
|---|------------------------------|

TAXABLE PROPERTY WITHIN THE DISTRICT (Equalized Assessed Valuation)

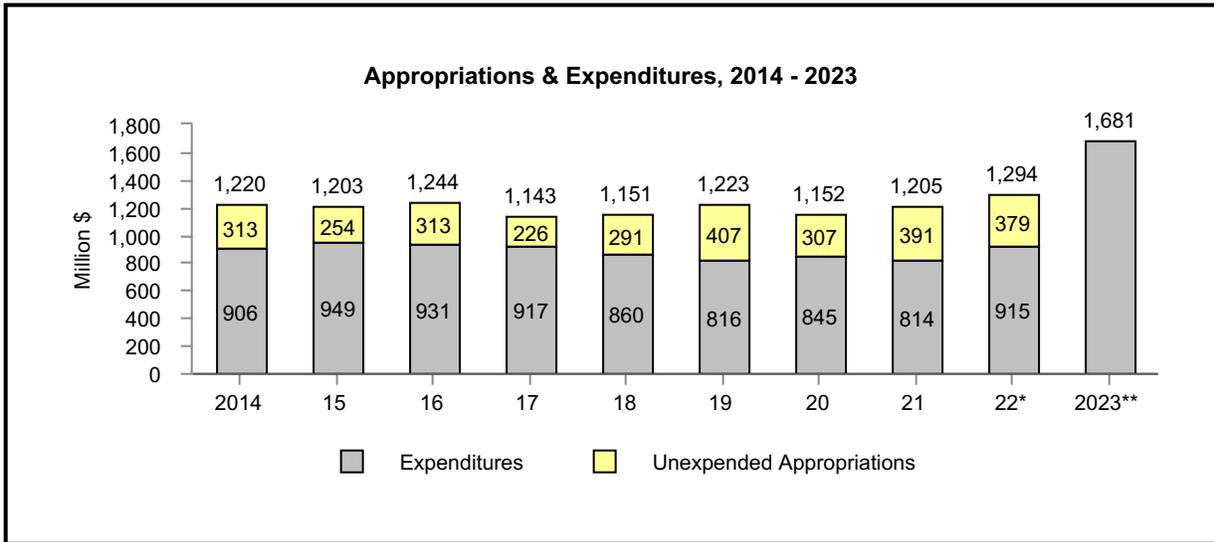
The equalized assessed valuation (EAV) of the Metropolitan Water Reclamation District increased 1.1 percent from 2020 to 2021, showing sustained growth for the eighth straight year. The boundaries of the District encompass 93.3 percent of the area of Cook County. The District is located in one of the strongest and most economically diverse geographical areas of the country. The growth in commercial, industrial, and residential sectors in both downtown Chicago and the suburbs contributes to the strong base and the growth in the value of properties located within the District. The Cook County Assessor is responsible for all taxable real property within Cook County except for railroad property and pollution control facilities, which are assessed directly by the State of Illinois.

The equalized assessed valuation of real estate property is determined in Cook County based on market values of real estate, reduced by a classification factor determined by property use, and then multiplied by the State of Illinois equalization factor. The statutory objective is to value property at 33 1/3 percent of estimated fair market value.

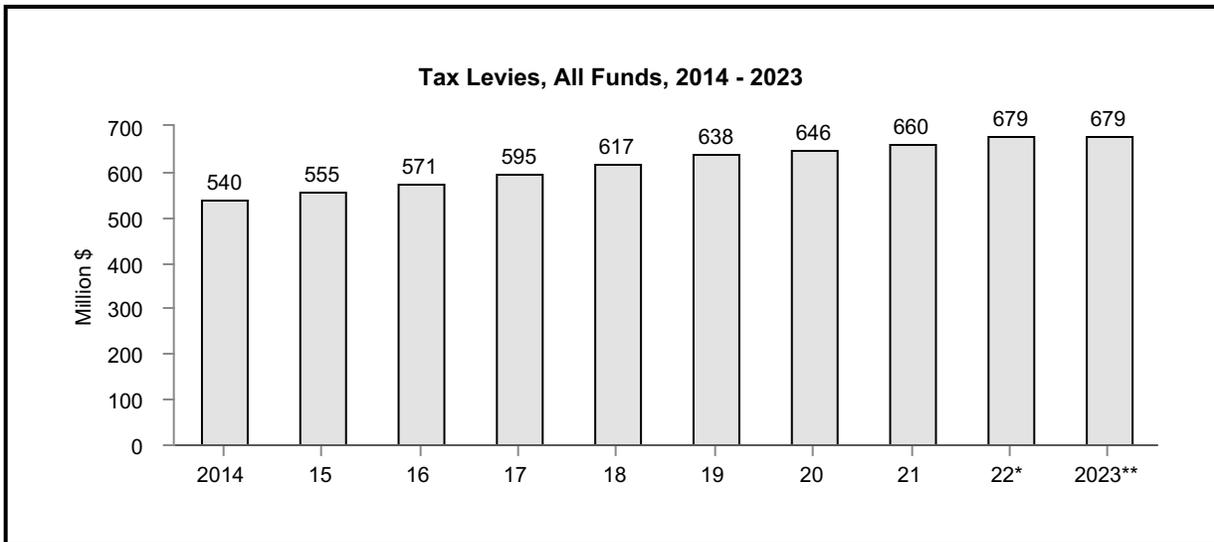
The equalized assessed valuation of the District is very important due to the primary reliance of the District on the property tax to fund current operations and future capital programs.



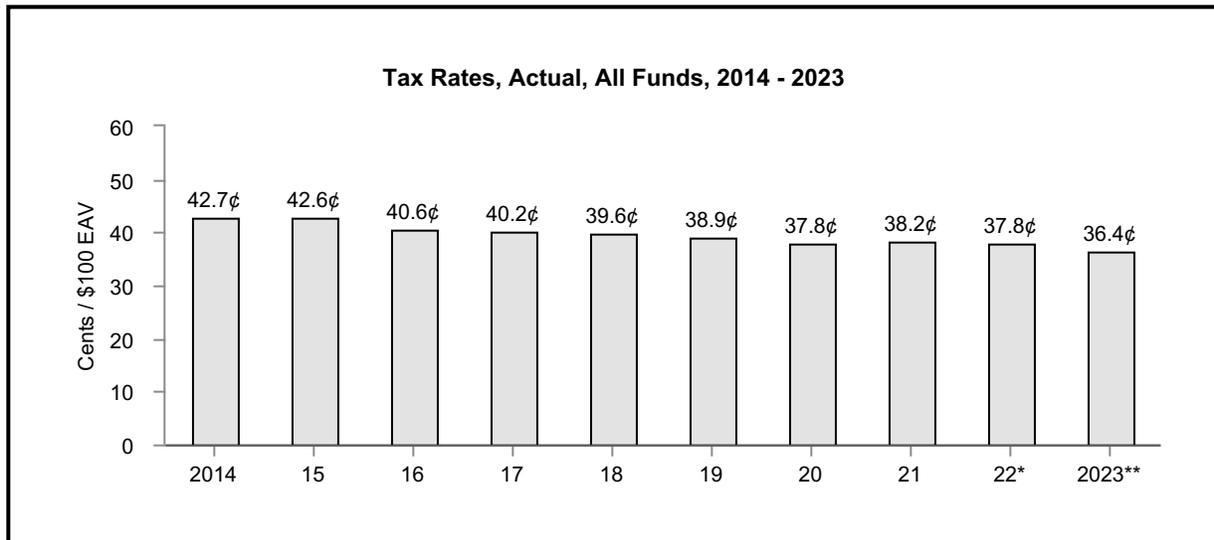
| Year | Real Property | Railroad Property and Pollution Control Facilities | Total |
|------|----------------|--|----------------|
| 2012 | 133.11 billion | 286.93 million | 133.40 billion |
| 2013 | 123.11 billion | 311.53 million | 123.42 billion |
| 2014 | 125.43 billion | 308.36 million | 125.74 billion |
| 2015 | 129.96 billion | 344.38 million | 130.30 billion |
| 2016 | 140.40 billion | 350.47 million | 140.75 billion |
| 2017 | 147.58 billion | 362.43 million | 147.95 billion |
| 2018 | 155.39 billion | 397.83 million | 155.79 billion |
| 2019 | 163.65 billion | 407.72 million | 164.05 billion |
| 2020 | 170.46 billion | 431.03 million | 170.89 billion |
| 2021 | 172.31 billion | 430.15 million | 172.74 billion |



*Adjusted
 **Estimated
 Note: Amounts are rounded.



*Adjusted
 **Estimated



*Adjusted
 **Estimated using 2021 EAV

COMPARATIVE STATEMENT OF APPROPRIATIONS AND TAX LEVIES 2023-2021 ALL FUNDS

| APPROPRIATIONS | 2023 ** | 2022 AS PASSED | 2022 AS ADJUSTED * | 2021 ACTUAL |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| FUND | | | | |
| Corporate Fund | \$ 475,066,000 | \$ 438,501,500 | \$ 438,501,500 | \$ 399,326,700 |
| Construction Fund | 51,500,400 | 19,932,000 | 19,932,000 | 15,471,200 |
| Capital Improvements Bond Fund *** | 374,610,900 | 293,943,500 | 293,943,500 | 310,382,600 |
| Stormwater Management Fund | 128,982,400 | 96,981,700 | 96,981,700 | 109,965,900 |
| Retirement Fund | 117,915,000 | 118,754,000 | 118,754,000 | 98,127,000 |
| Pension Obligation Bond Proceeds for transfer to Retirement Fund | 249,204,500 | — | — | — |
| Reserve Claim Fund | 46,014,200 | 44,465,300 | 44,465,300 | 39,624,900 |
| Bond Redemption & Interest Fund | 238,064,783 | 281,145,736 | 281,145,736 | 232,125,850 |
| TOTAL | \$ 1,681,358,183 | \$ 1,293,723,736 | \$ 1,293,723,736 | \$ 1,205,024,150 |
| LEVIES | | | | |
| Corporate Fund | \$ 292,900,000 | \$ 284,500,000 | \$ 284,500,000 | \$ 271,795,968 |
| Construction Fund | 7,000,000 | 7,000,000 | 7,000,000 | 7,000,000 |
| Stormwater Management Fund | 52,500,000 | 57,926,000 | 57,926,000 | 52,926,000 |
| Retirement Fund | 70,845,000 | 72,053,900 | 72,053,900 | 72,741,500 |
| Reserve Claim Fund | 7,500,000 | 7,500,000 | 7,500,000 | 7,500,000 |
| Levy Adjustment PA 102-0519 | \$ — | \$ — | \$ — | \$ 7,540,018 |
| Subtotal | \$ 430,745,000 | \$ 428,979,900 | \$ 428,979,900 | \$ 419,503,486 |
| Bond Redemption & Interest Fund: | | | | |
| Capital Improvement Bonds - Series: | | | | |
| 2016 Qualified Energy Conservation Limited Tax Series F | \$ 165,804 | \$ 165,804 | \$ 165,804 | \$ 165,804 |
| 2009 Limited Tax Series | 35,564,767 | 35,564,767 | 35,564,767 | 35,564,767 |
| 2014 Limited Tax Series C | 3,768,135 | 2,571,244 | 2,571,244 | 2,571,244 |
| 2014 Alternate Revenue Unlimited Tax Series B **** | 1,278,497 | 1,278,705 | 1,278,705 | 1,277,047 |
| 2016 Alternate Revenue Unlimited Tax Series E **** | 3,756,218 | 3,755,182 | 3,755,182 | 3,756,477 |
| Alternate Revenue Abatement **** | — | — | — | (5,033,524) |
| 2016 Unlimited Tax Series C | 1,554,405 | 1,554,405 | 1,554,405 | 1,554,405 |
| 2016 Limited Tax Series D | 2,916,062 | 2,916,322 | 2,916,322 | 2,917,099 |
| 2021 Limited Tax Series A | 5,446,684 | 5,446,684 | 5,446,684 | 5,355,906 |
| 2021 Unlimited Tax Series B | 1,554,404 | 1,554,404 | 1,554,404 | 1,528,497 |
| State Revolving Fund Bonds - Series: Various | 100,393,948 | 101,489,272 | 101,862,369 | 100,942,190 |
| State Revolving Fund Stormwater Abatement **** | — | — | — | (4,076,325) |
| Refunding Bonds - Series: | | | | |
| 2007 Unlimited Tax Series A | — | — | — | 26,717,876 |
| 2007 Unlimited Tax Series B | 4,996,749 | 4,996,749 | 4,996,749 | 4,996,749 |
| 2007 Limited Tax Series C | 5,541,607 | 5,541,607 | 5,541,607 | 5,541,607 |
| 2014 Limited Tax Series D | — | — | — | 17,186,270 |
| 2016 Unlimited Tax Series A | 40,856,736 | 40,975,648 | 40,975,648 | 14,555,959 |
| 2016 Limited Tax Series B | 6,344,819 | 6,467,876 | 6,467,876 | 2,141,451 |
| 2021 Limited Tax Series C | 27,880,570 | 29,139,119 | 29,139,119 | 18,409,862 |
| 2021 Unlimited Tax Series D | 1,634,974 | 1,634,974 | 1,634,974 | 1,607,724 |
| 2021 Unlimited Taxable Series E | 2,727,561 | 2,727,561 | 2,727,561 | 2,682,102 |
| 2021 Alternate Revenue Unlimited Taxable Series F **** | 2,108,804 | 2,110,450 | 2,110,450 | 2,106,813 |
| Alternate Revenue Abatement **** | — | — | — | (2,106,813) |
| Subtotal Bond Redemption & Interest Fund | \$ 248,490,744 | \$ 249,890,773 | \$ 250,263,870 | \$ 240,363,187 |
| TOTAL | \$ 679,235,744 | \$ 678,870,673 | \$ 679,243,770 | \$ 659,866,673 |
| Abatement after the budget year **** | (11,219,844) | (11,220,662) | (11,220,662) | |
| Total (after planned abatement) | \$ 668,015,900 | \$ 667,650,011 | \$ 668,023,108 | |

NOTES: * As Adjusted reflects the 2021 EAV (\$172,735,189,631) estimated to increase 4.0 percent, plus any subsequent supplemental levies.

** 2023 reflects an estimated 4.0 percent increase in EAV from the 2022 estimate.

*** Prior year obligations for the Capital Improvements Bond Fund are included in the Appropriation for Liabilities.

**** As part of the plan of financing, it is intended and anticipated that tax revenues deposited in the Stormwater Management Fund be transferred to the Bond Redemption & Interest Fund and used to abate taxes levied for this issue.

COMPARATIVE STATEMENT OF TAX RATES 2023-2021 ALL FUNDS

Per \$100 in Equalized Assessed Valuation (EAV)

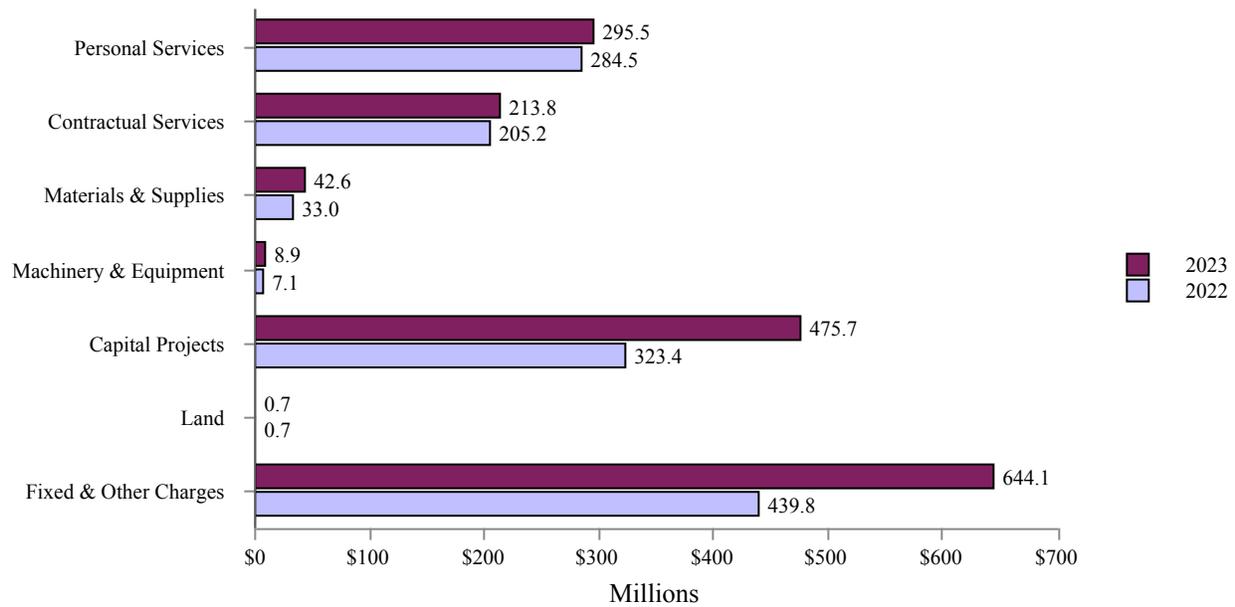
| FUND | | 2023 ** | 2022 AS PASSED | 2022 AS ADJUSTED * | 2021 ACTUAL |
|---|----------------------|----------------|-------------------|-----------------------|----------------|
| | tax rate limit | | | | |
| Corporate Fund | 41¢ | 15.68 ¢ | 15.69 ¢ | 15.84 ¢ | 15.70 ¢ |
| Construction Fund | 10¢ | 0.37 | 0.39 | 0.39 | 0.40 |
| Stormwater Management Fund | 5¢ | 2.81 | 3.20 | 3.22 | 3.10 |
| Retirement Fund | | 3.79 | 3.97 | 4.01 | 4.20 |
| Reserve Claim Fund | ½ ¢ | 0.40 | 0.41 | 0.42 | 0.44 |
| Levy Adjustment PA 102-0519 | | — | — | — | 0.45 |
| Subtotal | | 23.05 ¢ | 23.66 ¢ | 23.88 ¢ | 24.29 ¢ |
| Bond Redemption & Interest Fund: | | | | | |
| Capital Improvement Bonds - Series: | | | | | |
| 2016 Qualified Energy Conservation Limited Tax Series F | | 0.01 ¢ | 0.01 ¢ | 0.01 ¢ | 0.01 ¢ |
| 2009 Limited Tax Series | | 1.90 | 1.96 | 1.98 | 2.10 |
| 2014 Limited Tax Series C | | 0.20 | 0.14 | 0.14 | 0.10 |
| 2014 Alternate Revenue Unlimited Tax Series B *** | | 0.07 | 0.07 | 0.07 | 0.10 |
| 2016 Alternate Revenue Unlimited Tax Series E *** | | 0.20 | 0.21 | 0.21 | 0.20 |
| Alternate Revenue Abatement *** | | — | — | — | (0.30) |
| 2016 Unlimited Tax Series C | | 0.08 | 0.09 | 0.09 | 0.10 |
| 2016 Limited Tax Series D | | 0.16 | 0.16 | 0.16 | 0.20 |
| 2021 Limited Tax Series A | | 0.29 | 0.30 | 0.30 | 0.30 |
| 2021 Unlimited Tax Series B | | 0.08 | 0.09 | 0.09 | 0.10 |
| State Revolving Fund Bonds - Series: | | | | | |
| Various | | 5.37 | 5.60 | 5.67 | 5.60 |
| Refunding Bonds - Series: | | | | | |
| 2007 Unlimited Tax Series A | | — | — | — | 1.50 |
| 2007 Unlimited Tax Series B | | 0.27 | 0.28 | 0.28 | 0.30 |
| 2007 Limited Tax Series C | | 0.30 | 0.31 | 0.31 | 0.30 |
| 2014 Limited Tax Series D | | — | — | — | 1.00 |
| 2016 Unlimited Tax Series A | | 2.19 | 2.26 | 2.28 | 0.80 |
| 2016 Limited Tax Series B | | 0.34 | 0.36 | 0.36 | 0.10 |
| 2021 Limited Tax Series C | | 1.49 | 1.61 | 1.62 | 1.10 |
| 2021 Unlimited Tax Series D | | 0.09 | 0.09 | 0.09 | 0.10 |
| 2021 Unlimited Taxable Series E | | 0.15 | 0.15 | 0.15 | 0.20 |
| 2021 Alternate Revenue Unlimited Taxable Series F *** | | 0.11 | 0.12 | 0.12 | 0.10 |
| Alternate Revenue Abatement *** | | — | — | — | (0.10) |
| Subtotal Bond Redemption & Interest Fund | | 13.30 ¢ | 13.81 ¢ | 13.93 ¢ | 13.91 ¢ |
| TOTAL | | 36.35 ¢ | 37.47 ¢ | 37.81 ¢ | 38.20 ¢ |

NOTES: * As Adjusted reflects the 2021 EAV (\$172,735,189,631) estimated to increase 4.0 percent, plus any subsequent supplemental levies.

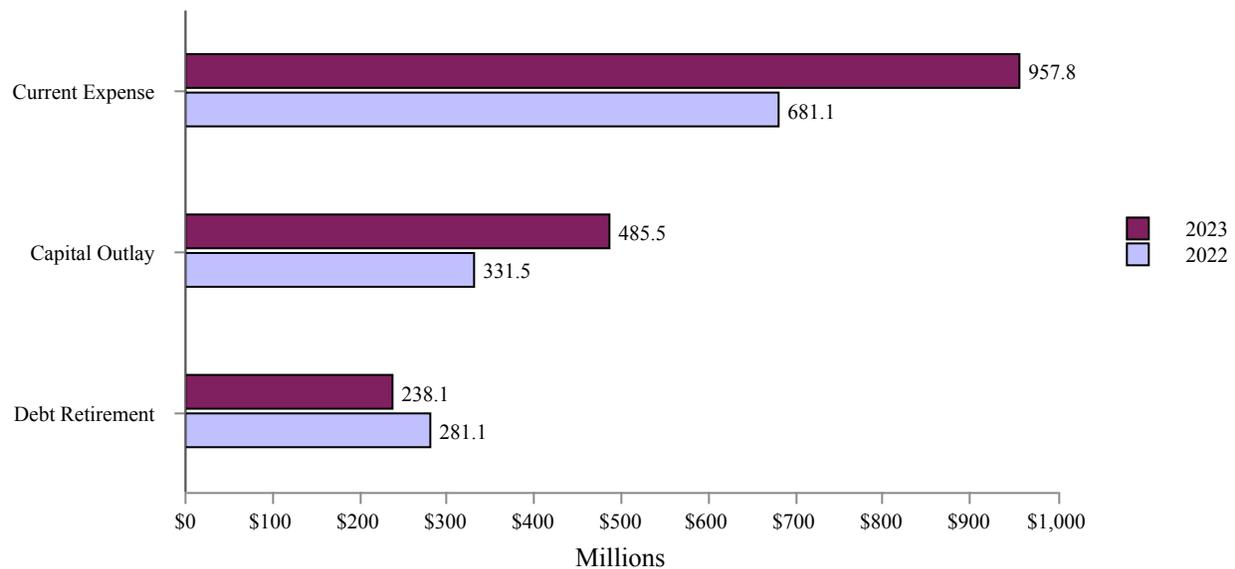
** 2023 reflects an estimated 4.0 percent increase in EAV from the 2022 estimate.

*** As part of the plan of financing, it is intended and anticipated that tax revenues deposited in the Stormwater Management Fund be transferred to the Bond Redemption & Interest Fund and used to abate taxes levied for this issue.

COMPARATIVE APPROPRIATIONS BY MAJOR OBJECT OF EXPENDITURE



COMPARATIVE APPROPRIATIONS BY MAJOR CHARACTER OF EXPENDITURE



COMPARATIVE APPROPRIATIONS BY MAJOR OBJECT OF EXPENDITURE 2023-2022 ALL FUNDS

| ORGANIZATION or FUND | YEAR | TOTAL | PERSONAL SERVICES | CONTRACTUAL SERVICES | MATERIALS & SUPPLIES | MACHINERY & EQUIPMENT | CAPITAL PROJECTS | LAND | FIXED & OTHER CHARGES |
|-----------------------------------|------|------------------|-------------------|----------------------|----------------------|-----------------------|------------------|------------|-----------------------|
| Board of Commissioners | 2023 | \$ 5,904,300 | \$ 4,589,000 | \$ 1,287,300 | \$ 28,000 | \$ — | \$ — | \$ — | \$ — |
| | 2022 | \$ 5,501,100 | \$ 4,459,000 | \$ 1,014,100 | \$ 28,000 | \$ — | \$ — | \$ — | \$ — |
| General Administration | 2023 | 23,448,900 | 15,233,800 | 6,343,000 | 314,800 | 1,557,300 | — | — | — |
| | 2022 | 21,854,000 | 13,989,200 | 6,187,700 | 285,600 | 1,391,500 | — | — | — |
| Monitoring & Research | 2023 | 35,659,900 | 31,924,900 | 1,831,400 | 947,700 | 955,900 | — | — | — |
| | 2022 | 33,890,700 | 30,801,200 | 1,593,700 | 639,600 | 856,200 | — | — | — |
| Procurement & Materls. Management | 2023 | 11,817,300 | 6,421,300 | 641,100 | 4,754,900 | — | — | — | — |
| | 2022 | 10,976,400 | 6,287,100 | 605,300 | 3,994,000 | 90,000 | — | — | — |
| Human Resources | 2023 | 67,607,300 | 60,510,900 | 6,670,000 | 328,900 | 97,500 | — | — | — |
| | 2022 | 64,163,300 | 57,698,000 | 6,115,000 | 320,300 | 30,000 | — | — | — |
| Information Technology | 2023 | 22,895,500 | 9,456,300 | 10,843,000 | 1,445,400 | 1,150,800 | — | — | — |
| | 2022 | 22,520,100 | 9,129,700 | 10,748,900 | 1,376,500 | 1,265,000 | — | — | — |
| Law | 2023 | 8,640,700 | 6,438,900 | 1,402,300 | 19,500 | — | — | — | 780,000 |
| | 2022 | 8,284,300 | 6,026,000 | 1,475,900 | 19,400 | — | — | — | 763,000 |
| Finance | 2023 | 4,221,700 | 3,604,900 | 590,300 | 26,500 | — | — | — | — |
| | 2022 | 4,081,800 | 3,549,800 | 516,000 | 16,000 | — | — | — | — |
| Maint. & Operations: | | | | | | | | | |
| General Division | 2023 | 16,677,700 | 12,835,000 | 2,770,800 | 1,071,900 | — | — | — | — |
| | 2022 | 14,526,600 | 11,735,600 | 2,190,500 | 546,500 | 54,000 | — | — | — |
| North Service Area | 2023 | 58,581,600 | 28,055,600 | 23,921,800 | 5,991,300 | 612,900 | — | — | — |
| | 2022 | 54,332,100 | 27,549,800 | 21,580,900 | 4,257,900 | 943,500 | — | — | — |
| Calumet Service Area | 2023 | 60,173,600 | 22,281,200 | 27,302,800 | 8,165,800 | 2,423,800 | — | — | — |
| | 2022 | 50,927,800 | 21,679,400 | 24,023,300 | 4,523,100 | 702,000 | — | — | — |
| Stickney Service Area | 2023 | 128,778,200 | 44,448,400 | 63,479,600 | 19,196,200 | 1,654,000 | — | — | — |
| | 2022 | 119,768,300 | 43,921,200 | 58,363,300 | 16,307,300 | 1,176,500 | — | — | — |
| TOTAL Maintenance & Operations | 2023 | \$ 264,211,100 | \$ 107,620,200 | \$ 117,475,000 | \$ 34,425,200 | \$ 4,690,700 | \$ — | \$ — | \$ — |
| | 2022 | \$ 239,554,800 | \$ 104,886,000 | \$ 106,158,000 | \$ 25,634,800 | \$ 2,876,000 | \$ — | \$ — | \$ — |
| Engineering | 2023 | 30,659,300 | 26,480,900 | 3,985,700 | 118,700 | 74,000 | — | — | — |
| | 2022 | 27,675,000 | 25,331,700 | 2,152,100 | 123,200 | 68,000 | — | — | — |
| TOTAL Corporate Fund | 2023 | \$ 475,066,000 | \$ 272,281,100 | \$ 151,069,100 | \$ 42,409,600 | \$ 8,526,200 | \$ — | \$ — | \$ 780,000 |
| | 2022 | \$ 438,501,500 | \$ 262,157,700 | \$ 136,566,700 | \$ 32,437,400 | \$ 6,576,700 | \$ — | \$ — | \$ 763,000 |
| Construction Fund | 2023 | 51,500,400 | — | 7,542,700 | — | — | 43,957,700 | — | — |
| | 2022 | 19,932,000 | — | 5,549,200 | — | — | 14,382,800 | — | — |
| Capital Improvements Bond Fund | 2023 | 374,610,900 | — | 8,365,200 | — | — | 365,239,800 | 300,000 | 705,900 |
| | 2022 | 293,943,500 | — | 17,050,100 | — | — | 275,943,400 | 300,000 | 650,000 |
| Stormwater Management Fund | 2023 | 128,982,400 | 13,260,600 | 46,834,700 | 224,500 | 400,000 | 66,462,600 | 400,000 | 1,400,000 |
| | 2022 | 96,981,700 | 12,314,000 | 46,064,300 | 565,800 | 540,000 | 33,110,600 | 400,000 | 3,987,000 |
| Bond Redemption & Interest Fund | 2023 | 238,064,783 | — | — | — | — | — | — | 238,064,783 |
| | 2022 | 281,145,736 | — | — | — | — | — | — | 281,145,736 |
| Retirement Fund | 2023 | 367,119,500 | — | — | — | — | — | — | 367,119,500 |
| | 2022 | 118,754,000 | — | — | — | — | — | — | 118,754,000 |
| Reserve Claim Fund | 2023 | 46,014,200 | 10,000,000 | — | — | — | — | — | 36,014,200 |
| | 2022 | 44,465,300 | 10,000,000 | — | — | — | — | — | 34,465,300 |
| GRAND TOTAL | 2023 | \$ 1,681,358,183 | \$ 295,541,700 | \$ 213,811,700 | \$ 42,634,100 | \$ 8,926,200 | \$ 475,660,100 | \$ 700,000 | \$ 644,084,383 |
| | 2022 | \$ 1,293,723,736 | \$ 284,471,700 | \$ 205,230,300 | \$ 33,003,200 | \$ 7,116,700 | \$ 323,436,800 | \$ 700,000 | \$ 439,765,036 |
| PERCENTAGES | 2023 | 100.0% | 17.6% | 12.7% | 2.5% | 0.5% | 28.3% | —% | 38.3% |
| | 2022 | 100.0% | 22.0% | 15.9% | 2.6% | 0.6% | 25.0% | 0.1% | 34.0% |

Note: Percentages are rounded.

COMPARATIVE APPROPRIATIONS BY CHARACTER OF EXPENDITURE 2023-2022 ALL FUNDS

| ORGANIZATION OR FUND | YEAR | TOTAL | CURRENT EXPENSE | CAPITAL OUTLAY | DEBT RETIREMENT |
|------------------------------------|------|------------------|-----------------|----------------|-----------------|
| Board of Commissioners | 2023 | \$ 5,904,300 | \$ 5,904,300 | \$ — | \$ — |
| | 2022 | \$ 5,501,100 | \$ 5,501,100 | \$ — | \$ — |
| General Administration | 2023 | 23,448,900 | 21,891,600 | 1,557,300 | — |
| | 2022 | 21,854,000 | 20,462,500 | 1,391,500 | — |
| Monitoring & Research | 2023 | 35,659,900 | 34,704,000 | 955,900 | — |
| | 2022 | 33,890,700 | 33,034,500 | 856,200 | — |
| Procurement & Materials Management | 2023 | 11,817,300 | 11,817,300 | — | — |
| | 2022 | 10,976,400 | 10,886,400 | 90,000 | — |
| Human Resources | 2023 | 67,607,300 | 67,509,800 | 97,500 | — |
| | 2022 | 64,163,300 | 64,133,300 | 30,000 | — |
| Information Technology | 2023 | 22,895,500 | 21,744,700 | 1,150,800 | — |
| | 2022 | 22,520,100 | 21,255,100 | 1,265,000 | — |
| Law | 2023 | 8,640,700 | 8,640,700 | — | — |
| | 2022 | 8,284,300 | 8,284,300 | — | — |
| Finance | 2023 | 4,221,700 | 4,221,700 | — | — |
| | 2022 | 4,081,800 | 4,081,800 | — | — |
| Maintenance & Operations: | | | | | |
| General Division | 2023 | 16,677,700 | 16,677,700 | — | — |
| | 2022 | 14,526,600 | 14,472,600 | 54,000 | — |
| North Service Area | 2023 | 58,581,600 | 57,968,700 | 612,900 | — |
| | 2022 | 54,332,100 | 53,388,600 | 943,500 | — |
| Calumet Service Area | 2023 | 60,173,600 | 57,749,800 | 2,423,800 | — |
| | 2022 | 50,927,800 | 50,225,800 | 702,000 | — |
| Stickney Service Area | 2023 | 128,778,200 | 127,124,200 | 1,654,000 | — |
| | 2022 | 119,768,300 | 118,591,800 | 1,176,500 | — |
| TOTAL Maintenance & Operations | 2023 | \$ 264,211,100 | \$ 259,520,400 | \$ 4,690,700 | \$ — |
| | 2022 | \$ 239,554,800 | \$ 236,678,800 | \$ 2,876,000 | \$ — |
| Engineering | 2023 | 30,659,300 | 30,585,300 | 74,000 | — |
| | 2022 | 27,675,000 | 27,607,000 | 68,000 | — |
| TOTAL Corporate Fund | 2023 | \$ 475,066,000 | \$ 466,539,800 | \$ 8,526,200 | \$ — |
| | 2022 | \$ 438,501,500 | \$ 431,924,800 | \$ 6,576,700 | \$ — |
| Construction Fund | 2023 | 51,500,400 | 7,542,700 | 43,957,700 | — |
| | 2022 | 19,932,000 | 5,549,200 | 14,382,800 | — |
| Capital Improvements Bond Fund | 2023 | 374,610,900 | 8,821,100 | 365,789,800 | — |
| | 2022 | 293,943,500 | 17,450,100 | 276,493,400 | — |
| Stormwater Management Fund | 2023 | 128,982,400 | 61,719,800 | 67,262,600 | — |
| | 2022 | 96,981,700 | 62,931,100 | 34,050,600 | — |
| Bond Redemption & Interest Fund | 2023 | 238,064,783 | — | — | 238,064,783 |
| | 2022 | 281,145,736 | — | — | 281,145,736 |
| Retirement Fund | 2023 | 367,119,500 | 367,119,500 | — | — |
| | 2022 | 118,754,000 | 118,754,000 | — | — |
| Reserve Claim Fund | 2023 | 46,014,200 | 46,014,200 | — | — |
| | 2022 | 44,465,300 | 44,465,300 | — | — |
| GRAND TOTAL | 2023 | \$ 1,681,358,183 | \$ 957,757,100 | \$ 485,536,300 | \$ 238,064,783 |
| | 2022 | \$ 1,293,723,736 | \$ 681,074,500 | \$ 331,503,500 | \$ 281,145,736 |
| PERCENTAGES | 2023 | 100% | 57% | 29% | 14% |
| | 2022 | 100% | 53% | 26% | 22% |

Note: Percentages are rounded.

**2023 - 2022* PROGRAM APPROPRIATION - ALL FUNDS
BY DEPARTMENT AND MAJOR PROGRAM**

(In Millions)

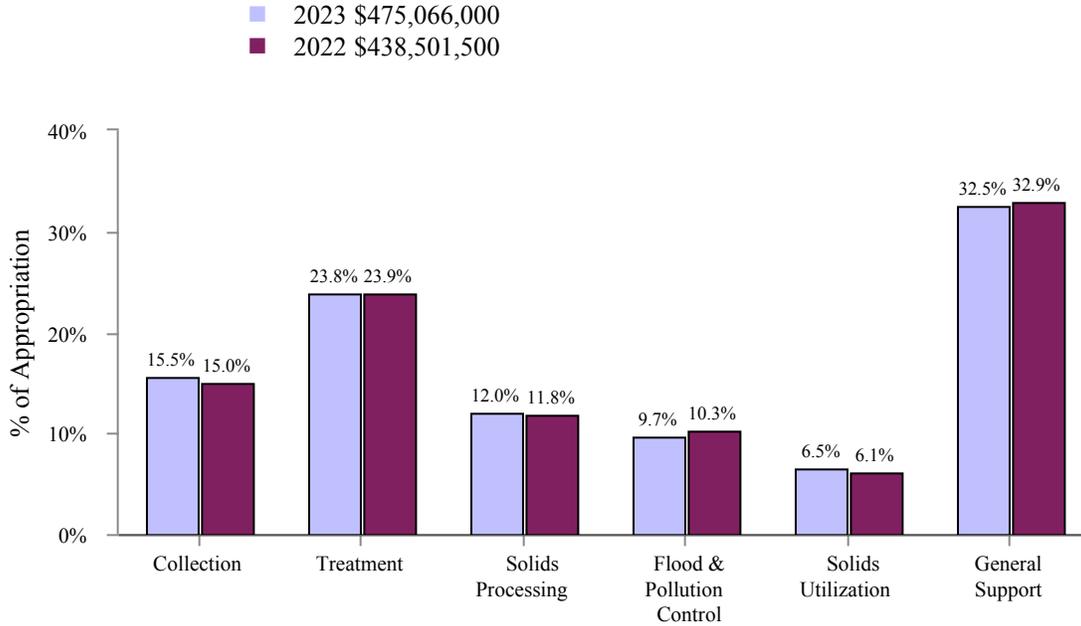
| DEPARTMENT | MAJOR PROGRAM | | | | | | | | | | | | | | | |
|---|-----------------|-----------------|-----------------|-----------------|-------------------|----------------|--------------------|----------------|---------------------------|-----------------|-----------------|-----------------|-------------------|-------------------|--------|--------|
| | COLLECTION | | TREATMENT | | SOLIDS PROCESSING | | SOLIDS UTILIZATION | | FLOOD & POLLUTION CONTROL | | GENERAL SUPPORT | | TOTAL | | | |
| | 2023 | 2022 | 2023 | 2022 | 2023 | 2022 | 2023 | 2022 | 2023 | 2022 | 2023 | 2022 | 2023 | 2022 | | |
| Board of Commissioners | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 5.9 | \$ 5.5 | \$ 5.9 | \$ 5.5 |
| General Administration | — | — | — | — | — | — | — | — | — | — | — | — | 23.4 | 21.9 | 23.4 | 21.9 |
| Monitoring & Research | — | — | — | — | — | — | — | — | 34.6 | 33.5 | 1.1 | 0.4 | 35.7 | 33.9 | | |
| Procurement & Materials Management | — | — | — | — | — | — | — | — | — | — | 11.8 | 11.0 | 11.8 | 11.0 | | |
| Human Resources | — | — | — | — | — | — | — | — | — | — | 67.6 | 64.2 | 67.6 | 64.2 | | |
| Information Technology | — | — | — | — | — | — | — | — | — | — | 22.9 | 22.5 | 22.9 | 22.5 | | |
| Law | — | — | — | — | — | — | — | — | 0.6 | 0.5 | 8.0 | 7.7 | 8.6 | 8.3 | | |
| Finance | — | — | — | — | — | — | — | — | 0.3 | 0.4 | 3.9 | 3.7 | 4.2 | 4.1 | | |
| Maintenance & Operations | 66.5 | 60.4 | 103.8 | 96.4 | 49.9 | 44.8 | 30.4 | 26.6 | 6.4 | 6.3 | 7.2 | 5.1 | 264.2 | 239.6 | | |
| Engineering | 7.1 | 5.2 | 9.2 | 8.5 | 7.1 | 6.7 | 0.3 | 0.3 | 4.4 | 4.5 | 2.6 | 2.5 | 30.7 | 27.7 | | |
| Total Corporate Fund | \$ 73.6 | \$ 65.5 | \$ 113.0 | \$ 104.9 | \$ 57.0 | \$ 51.6 | \$ 30.7 | \$ 26.8 | \$ 46.3 | \$ 45.2 | \$ 154.4 | \$ 144.4 | \$ 475.1 | \$ 438.5 | | |
| Construction and Capital Improvements Bond Funds | \$ 159.4 | \$ 53.5 | \$ 147.8 | \$ 159.0 | \$ 36.6 | \$ 33.4 | \$ 9.6 | \$ 2.4 | \$ 71.6 | \$ 64.4 | \$ 1.1 | \$ 1.2 | \$ 426.1 | \$ 313.9 | | |
| Stormwater Management Fund | — | — | — | — | — | — | — | — | 128.8 | 96.8 | 0.2 | 0.2 | 129.0 | 97.0 | | |
| Miscellaneous (Debt Service, Retirement, and Reserve Funds) | — | — | — | — | — | — | — | — | — | — | 651.2 | 444.4 | 651.2 | 444.4 | | |
| GRAND TOTAL | \$ 233.0 | \$ 119.0 | \$ 260.9 | \$ 264.0 | \$ 93.6 | \$ 84.9 | \$ 40.3 | \$ 29.3 | \$ 246.8 | \$ 206.5 | \$ 806.8 | \$ 590.1 | \$ 1,681.4 | \$ 1,293.7 | | |

Notes: Totals are rounded.
*Adjusted Appropriation

APPROPRIATION DISTRIBUTION BY MAJOR PROGRAM

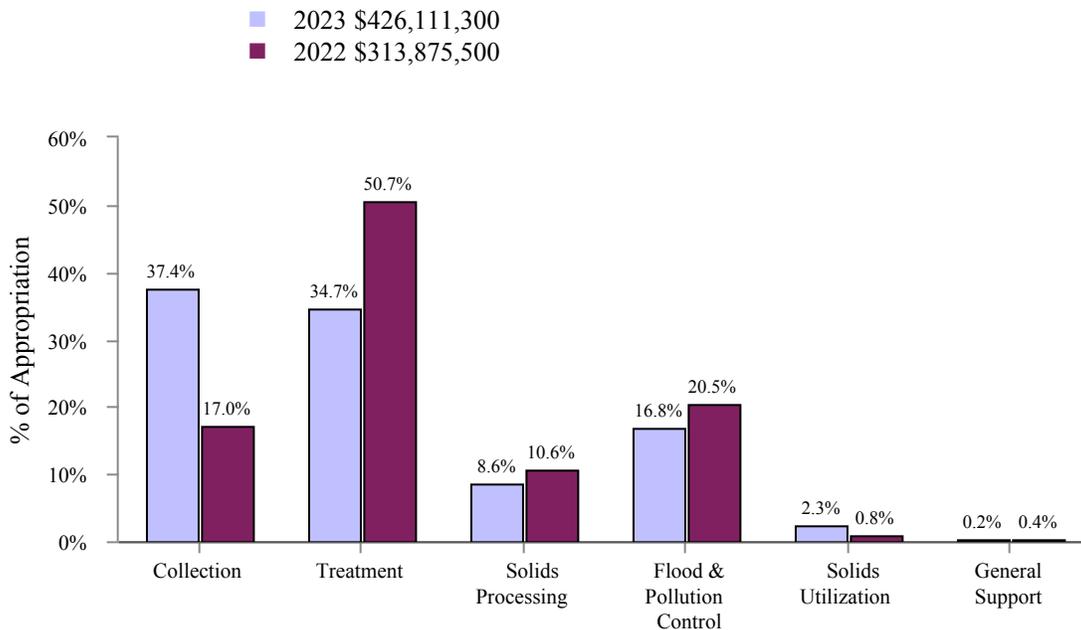
To comply with Illinois State Statute, it is necessary to prepare budget estimates and appropriate funds according to programs, as well as organizational units, performance principles, and unit cost data. The two charts on this page show the relationship of major objectives or functions within the Corporate, Construction, and Capital Improvements Bond Funds. The charts compare major program appropriations to the total fund appropriations for 2023 and 2022, as shown on the following page.

Corporate Fund



Note: Percentages are rounded.

Capital Improvements Bond & Construction Funds



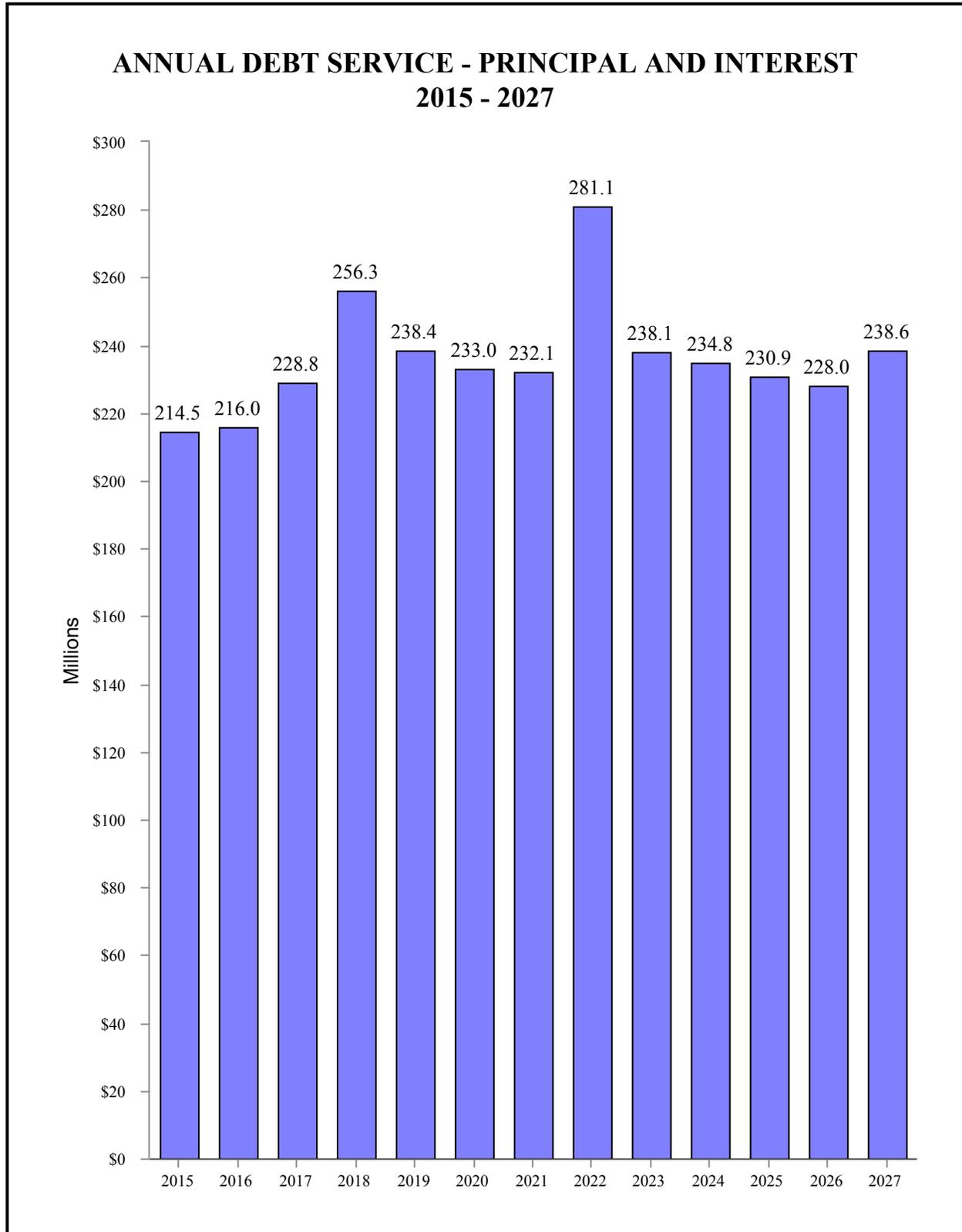
Note: Percentages are rounded.

2023 - 2022 PROGRAM APPROPRIATION COMPARISON ALL FUNDS

PROGRAM OBJECTIVE

| NUMBER | NAME | 2023 BUDGET | 2022 BUDGET | DOLLAR INCREASE (DECREASE) | PERCENT INCREASE (DECREASE) | FTE POSITIONS | |
|--------------|---|-------------------------|-------------------------|----------------------------|-----------------------------|---------------|--------------|
| | | | | | | 2023 | 2022 |
| 1000 | Collection | \$ 232,967,233 | \$ 118,972,631 | \$ 113,994,602 | 95.8 | 278 | 277 |
| 2000 | Treatment | 260,872,096 | 263,979,232 | (3,107,136) | (1.2) | 445 | 462 |
| 3000 | Solids Processing | 93,610,795 | 84,929,168 | 8,681,627 | 10.2 | 253 | 257 |
| 4000 | Flood & Pollution Control | 246,761,422 | 206,454,132 | 40,307,290 | 19.5 | 448 | 454 |
| 5000 | Solids Utilization | 40,335,656 | 29,252,040 | 11,083,616 | 37.9 | 42 | 42 |
| 7000 | General Support (Debt, Retirement, Law, etc.) | 806,810,981 | 590,136,533 | 216,674,448 | 36.7 | 491 | 480 |
| TOTAL | | \$ 1,681,358,183 | \$ 1,293,723,736 | \$ 387,634,447 | 30.0 | 1,957 | 1,972 |

| SUMMARY BY FUND | 2023 BUDGET | 2022 BUDGET | DOLLAR INCREASE (DECREASE) | PERCENT INCREASE (DECREASE) | FTE POSITIONS | |
|--|-------------------------|-------------------------|----------------------------|-----------------------------|---------------|--------------|
| | | | | | 2023 | 2022 |
| Corporate Fund | \$ 475,066,000 | \$ 438,501,500 | \$ 36,564,500 | 8.3 | 1,857 | 1,872 |
| Construction & Capital Improvements Bond Funds | 426,111,300 | 313,875,500 | 112,235,800 | 35.8 | — | — |
| Stormwater Management Fund | 128,982,400 | 96,981,700 | 32,000,700 | 33.0 | 100 | 100 |
| Retirement Fund | 367,119,500 | 118,754,000 | 248,365,500 | 209.1 | — | — |
| Bond Redemption & Interest Fund | 238,064,783 | 281,145,736 | (43,080,953) | (15.3) | — | — |
| Reserve Claim Fund | 46,014,200 | 44,465,300 | 1,548,900 | 3.5 | — | — |
| TOTAL | \$ 1,681,358,183 | \$ 1,293,723,736 | \$ 387,634,447 | 30.0 | 1,957 | 1,972 |



This chart shows debt service for current bonds outstanding. The increase in 2022 is due to the issuance of 2021 Limited and Unlimited Tax Series Bonds in December 2021 and a \$43.0 million prepayment on five State Revolving Fund loans, resulting in \$12.7 million in savings over 15 years. Similarly, in 2018 the District made advance payments totaling \$28.4 million, resulting in a savings of \$9.6 million over the life of the loans.

Bonds to be sold in the future are not included in this chart, but are included in the Five-Year Financial Forecast on pages 86 and 94.

OUTSTANDING BONDS AND ESTIMATED STATUTORY DEBT MARGIN

December 31, 2022

| BOND SERIES | DATE OF MATURITY | INTEREST RATES | AMOUNT PAYABLE |
|---|-------------------------|-----------------------|-----------------------|
| Capital Improvements Bonds - Series: | | | |
| 2009 Limited Tax Series | 2038 | 5.72% | \$ 600,000,000 |
| 2014 Alternate Revenue Unlimited Tax Series B | 2024 | 2.0% to 5.0% | 2,305,000 |
| 2014 Limited Tax Series C | 2028 | 2.0% to 5.0% | 49,625,000 |
| 2016 Unlimited Tax Series C | 2045 | 5.0% | 30,000,000 |
| 2016 Limited Tax Series D | 2030 | 5.0% | 18,185,000 |
| 2016 Alternate Revenue Unlimited Tax Series E | 2045 | 5.0% | 48,875,000 |
| 2016 Qualified Energy Conservation Limited Tax Series F | 2036 | 4.0% | 4,000,000 |
| 2021 Limited Tax Series A | 2051 | 4.0% to 5.0% | 113,935,000 |
| 2021 Unlimited Tax Series B | 2036 | 5.0% | 30,000,000 |
| SUBTOTAL - Capital Improvements Bonds: | | | <u>\$ 896,925,000</u> |
| Refunding Bonds - Series: | | | |
| 2007 Unlimited Tax Series B | 2035 | 4.0% to 5.0% | \$ 91,845,000 |
| 2007 Limited Tax Series C | 2033 | 4.0% to 5.0% | 101,860,000 |
| 2016 Unlimited Tax Series A | 2031 | 5.0% | 280,930,000 |
| 2016 Limited Tax Series B | 2031 | 5.0% | 41,330,000 |
| 2021 Limited Tax Series C | 2032 | 5.0% | 156,585,000 |
| 2021 Unlimited Tax Series D | 2031 | 5.0% | 31,555,000 |
| 2021 Unlimited Taxable Series E | 2033 | 1.6% to 2.7% | 112,485,000 |
| 2021 Alternate Revenue Unlimited Taxable Series F | 2041 | 0.6% to 3.0% | 44,920,000 |
| SUBTOTAL - Refunding Bonds: | | | <u>\$ 861,510,000</u> |
| State Revolving Fund Bonds - Series: | | | |
| 97DD SRF L171152 | 2023 | 2.91% | \$ 1,016,841 |
| 01A SRF L172126 | 2024 | 2.57% | 5,551,721 |
| 01B SRF L172127 | 2025 | 2.50% | 9,286,734 |
| 01C SRF L172128 | 2026 | 2.50% | 11,307,606 |
| 14F SRF L175342 | 2039 | 1.75% | 69,474,762 |
| 16C SRF L175367 | 2039 | 1.76% | 23,230,785 |
| 16D SRF L175460 | 2038 | 1.75% | 6,360,118 |
| 14O SRF L175305 | 2038 | 1.75% | 2,693,518 |
| 14R SRF L175517 | 2041 | 1.84% | 39,018,041 |
| 04A SRF L172485 | 2027 | 2.50% | 7,377,860 |
| 04B SRF L172488 | 2027 | 2.50% | 8,618,778 |
| 04C SRF L172493 | 2027 | 2.50% | 730,509 |
| 04D SRF L172494 | 2027 | 2.50% | 700,541 |
| 04E SRF L172495 | 2028 | 2.50% | 2,642,737 |
| 04F SRF L172496 | 2031 | —% | 1,689,242 |
| 04G SRF L172611 | 2027 | 2.50% | 1,138,054 |
| 04H SRF L172849 | 2029 | 2.50% | 21,101,171 |
| 07A SRF L172625 | 2030 | 2.50% | 18,839,861 |
| 07B SRF L172850 | 2030 | 2.50% | 13,340,737 |
| 07C SRF L172770 | 2031 | —% | 28,333,333 |
| 07D SRF L172763 | 2030 | 2.50% | 4,297,165 |
| 09A SRF L173074 | 2032 | 1.25% | 23,700,890 |
| 09B SRF L173064 | 2031 | —% | 3,254,564 |
| 09C SRF L173063 | 2031 | —% | 951,636 |
| 09D SRF L174558 | 2031 | 2.30% | 21,137,325 |
| 09E SRF L173005 | 2031 | 1.25% | 19,256,683 |
| 09F SRF L174557 | 2032 | 1.25% | 32,252,482 |
| 09G SRF L173075 | 2032 | 1.25% | 15,082,740 |
| 09H SRF L173800 | 2031 | —% | 312,735 |
| 09I SRF L174675 | 2031 | 1.25% | 5,074,678 |
| 12A SRF L174710 | 2034 | 2.30% | 4,810,332 |
| 12B SRF L174712 | 2034 | 2.30% | 4,119,676 |
| 12C SRF L174621 | 2031 | 2.00% | 6,904,987 |

OUTSTANDING BONDS AND ESTIMATED STATUTORY DEBT MARGIN

December 31, 2022

| BOND SERIES | DATE OF MATURITY | INTEREST RATES | AMOUNT PAYABLE |
|--|------------------|----------------|--------------------------------|
| State Revolving Fund Bonds - Series (continued): | | | |
| 12D SRF L174988 | 2032 | 1.93% | \$ 17,263,156 |
| 12E SRF L174709 | 2035 | 1.93% | 3,893,936 |
| 12F SRF L174989 | 2032 | 1.93% | 36,179,733 |
| 12G SRF L174923 | 2038 | 1.93% | 28,227,147 |
| 12H SRF L174924 | 2032 | 1.93% | 15,701,971 |
| 12I SRF L175222 | 2036 | 2.21% | 3,764,709 |
| 12J SRF L175172 | 2035 | 2.00% | 1,849,482 |
| 12K SRF L174925 | 2031 | 2.00% | 6,769,948 |
| 12L SRF L175161 | 2031 | 2.21% | 18,490,350 |
| 12M SRF L175168 | 2037 | 2.21% | 9,878,506 |
| 12N SRF L175164 | 2036 | 2.00% | 2,089,265 |
| 12O SRF L175166 | 2035 | 2.00% | 3,334,913 |
| 14A SRF L173076 | 2031 | 2.21% | 38,800,494 |
| 14B SRF L175171 | 2036 | 2.21% | 2,057,906 |
| 14C SRF L174559 | 2031 | 2.30% | 10,103,679 |
| 14D SRF L175263 | 2038 | 1.86% | 10,698,569 |
| 14E SRF L173062 | 2038 | 1.86% | 37,900,220 |
| 14G SRF L175152 | 2038 | 1.86% | 17,004,237 |
| 14H SRF L175355 | 2036 | 1.86% | 937,090 |
| 14I SRF L175223 | 2038 | 1.86% | 7,723,015 |
| 14J SRF L175219 | 2036 | 2.21% | 3,306,276 |
| 14K SRF L175366 | 2038 | 1.86% | 4,299,320 |
| 14L SRF L175368 | 2038 | 1.75% | 4,493,021 |
| 14M SRF L175372 | 2038 | 1.75% | 1,201,262 |
| 14N SRF L175371 | 2038 | 1.75% | 1,144,136 |
| 14P SRF L175369 | 2038 | 1.56% | 3,367,027 |
| 14Q SRF L175539 | 2040 | 1.76% | 2,547,227 |
| 16A SRF L174555 | 2038 | 1.75% | 107,214,534 |
| 16B SRF L172129 | 2040 | 1.84% | 3,666,792 |
| 16G SRF L174708 | 2041 | 2.00% | 14,966,457 |
| 16H SRF L172130 | 2041 | 2.00% | 12,500,191 |
| 16I SRF L173798 | 2042 | 2.00% | 22,393,041 |
| 16K SRF L172741 | 2040 | 2.00% | 2,975,003 |
| 16P SRF L172744 | 2042 | 1.35% | 8,594,897 |
| SUBTOTAL - State Revolving Fund Bonds: | | | <u>\$ 878,946,349</u> |
| TOTAL OUTSTANDING BONDS: | | | <u><u>\$ 2,637,381,349</u></u> |

CALCULATION OF ESTIMATED STATUTORY DEBT MARGIN

| | | | |
|--|----|---------------|--------------------------------|
| Debt Applicable to Debt Limit: | | | |
| Outstanding Bonds | \$ | 2,637,381,349 | |
| Less: Alternate Revenue Bonds Outstanding | | (96,100,000) | |
| Bond Anticipation Notes - Principal | | 30,000,000 | |
| Bond Anticipation Notes - Interest | | 250,000 | |
| Capital Lease - Biosolids Facility | | 24,262,882 | |
| Liabilities of Tax Financed Funds | | 3,000,000 | \$ 2,598,794,231 |
| Less Applicable Assets: | | | |
| Cash and Investments - Bond Redemption & Interest Fund | \$ | (43,317,225) | |
| Interest on Bonds Payable in Next Twelve Months | | 103,862,476 | \$ 60,545,251 |
| NET DEBT APPLICABLE TO LIMIT: | | | <u>\$ 2,659,339,482</u> |
| Statutory Debt Limit 5.75% of 2021 EAV | | | \$ 9,932,273,404 |
| Less Net Debt Applicable to Limit | | | <u>2,659,339,482</u> |
| ESTIMATED STATUTORY DEBT MARGIN: | | | <u><u>\$ 7,272,933,921</u></u> |

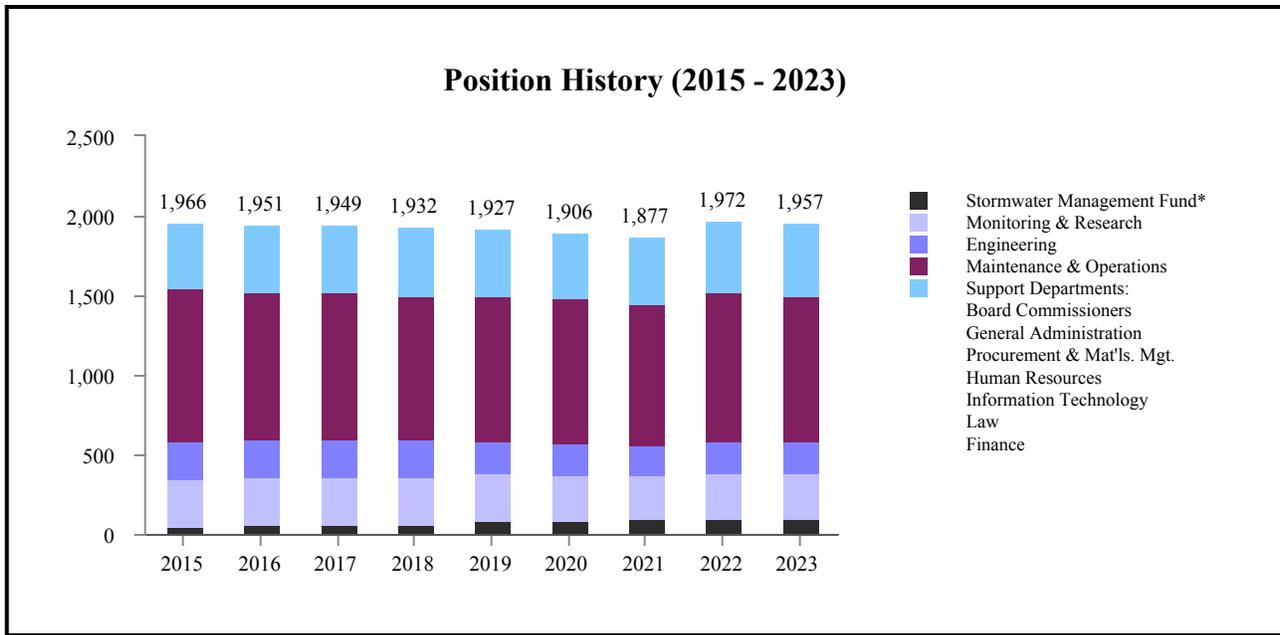
ACCOUNT SUMMARY COMPARISON 2023 - 2022 ALL FUNDS

| ORGANIZATION OR FUND | Account Appropriation | | Increase (Decrease) 2023-2022 | |
|---|------------------------|------------------------|----------------------------------|---------|
| | 2023 | 2022 | Dollars | Percent |
| Board of Commissioners | \$ 5,904,300 | \$ 5,501,100 | \$ 403,200 | 7.3 |
| General Administration | 23,448,900 | 21,854,000 | 1,594,900 | 7.3 |
| Monitoring & Research | 35,659,900 | 33,890,700 | 1,769,200 | 5.2 |
| Procurement & Materials Management | 11,817,300 | 10,976,400 | 840,900 | 7.7 |
| Human Resources | 67,607,300 | 64,163,300 | 3,444,000 | 5.4 |
| Information Technology | 22,895,500 | 22,520,100 | 375,400 | 1.7 |
| Law | 8,640,700 | 8,284,300 | 356,400 | 4.3 |
| Finance | 4,221,700 | 4,081,800 | 139,900 | 3.4 |
| Maintenance & Operations: | | | | |
| General Division | 16,677,700 | 14,526,600 | 2,151,100 | 14.8 |
| North Service Area | 58,581,600 | 54,332,100 | 4,249,500 | 7.8 |
| Calumet Service Area | 60,173,600 | 50,927,800 | 9,245,800 | 18.2 |
| Stickney Service Area | 128,778,200 | 119,768,300 | 9,009,900 | 7.5 |
| TOTAL Maintenance & Operations | \$ 264,211,100 | \$ 239,554,800 | \$ 24,656,300 | 10.3 |
| Engineering | 30,659,300 | 27,675,000 | 2,984,300 | 10.8 |
| TOTAL Corporate Fund | \$ 475,066,000 | \$ 438,501,500 | \$ 36,564,500 | 8.3 |
| Construction Fund | 51,500,400 | 19,932,000 | 31,568,400 | 158.4 |
| Capital Improvements Bond Fund | 374,610,900 | 293,943,500 | 80,667,400 | 27.4 |
| TOTAL Capital Budget | \$ 426,111,300 | \$ 313,875,500 | \$ 112,235,800 | 35.8 |
| Stormwater Management Fund | 128,982,400 | 96,981,700 | 32,000,700 | 33.0 |
| Bond Redemption & Interest Fund | 238,064,783 | 281,145,736 | (43,080,953) | (15.3) |
| Retirement Fund | 117,915,000 | 118,754,000 | (839,000) | (0.7) |
| Reserve Claim Fund | 46,014,200 | 44,465,300 | 1,548,900 | 3.5 |
| | \$1,432,153,683 | \$1,293,723,736 | \$ 138,429,947 | 10.7 |
| Pension Obligation Bond Proceeds | 249,204,500 | — | 249,204,500 | — |
| GRAND TOTAL | <u>\$1,681,358,183</u> | <u>\$1,293,723,736</u> | <u>\$ 387,634,447</u> | 30.0 |

**PERSONNEL SUMMARY COMPARISON
2023 - 2021 ALL FUNDS**

| ORGANIZATION OR FUND | Proposed FTEs 2023 | Budgeted FTEs 2022 | Actual FTEs 2021 | Increase (Decrease) 2023-2022 | |
|---|-----------------------|-----------------------|---------------------|----------------------------------|---------|
| | | | | FTEs | Percent |
| Board of Commissioners | 37 | 37 | 36 | — | — |
| General Administration | 129 | 125 | 119 | 4 | 3.2 |
| Monitoring & Research | 289 | 289 | 285 | — | — |
| Procurement & Materials Management | 60 | 61 | 59 | (1) | (1.6) |
| Human Resources | 96 | 95 | 83 | 1 | 1.1 |
| Information Technology | 68 | 68 | 61 | — | — |
| Law | 38 | 38 | 36 | — | — |
| Finance | 27 | 27 | 27 | — | — |
| Maintenance & Operations: | | | | | |
| General Division | 99 | 91 | 85 | 8 | 8.8 |
| North Service Area | 241 | 242 | 240 | (1) | (0.4) |
| Calumet Service Area | 197 | 195 | 193 | 2 | 1.0 |
| Stickney Service Area | 379 | 406 | 380 | (27) | (6.7) |
| TOTAL Maintenance & Operations | 916 | 934 | 898 | (18) | (1.9) |
| Engineering | 197 | 198 | 177 | (1) | (0.5) |
| TOTAL Corporate Fund | 1,857 | 1,872 | 1,781 | (15) | (0.8) |
| Construction Fund | — | — | — | — | — |
| Capital Improvements Bond Fund | — | — | — | — | — |
| TOTAL Capital Budget | — | — | — | — | — |
| Stormwater Management Fund | 100 | 100 | 96 | — | — |
| Bond Redemption & Interest Fund | — | — | — | — | — |
| Retirement Fund | — | — | — | — | — |
| Reserve Claim Fund | — | — | — | — | — |
| GRAND TOTAL | 1,957 | 1,972 | 1,877 | (15) | (0.8) |

PERSONAL SERVICE APPROPRIATIONS



*In 2023, 100 positions for the Maintenance & Operations and Engineering Departments are budgeted in the Stormwater Management Fund, while the operations remain within the departments.

The exhibit above shows the actual staffing from 2015 to 2021, along with the budgeted positions for 2022 and 2023. Hiring slowed during the COVID-19 global pandemic but is expected to return to pre-pandemic levels. The 2022 budget included an increase due to an operating department reorganization. Due to the timing of this event, positions were added in the 2022 budget and dropped in the 2023 budget.

The Maintenance & Operations, Engineering, and Monitoring & Research Departments are referred to as the District’s operating departments. These departments are directly responsible for the daily operations of sewage collection, treatment, environmental monitoring activities, and disposal. The remaining departments are generally termed as support departments. While positions in these departments may be considered indirect or overhead, they are also necessary for technical expertise, statutory compliance, governance, and public accountability.

The exhibit below provides the personal service appropriations for 2022 and 2023, and the actual expenditures for personal services in 2021. The District has introduced a number of initiatives in an effort to control cost increases, including active management of employee health benefit costs.

| Personal Service Summary - All Funds | | | | Increase (Decrease) 2023-2022 | |
|--|-----------------------|-----------------------|-----------------------|----------------------------------|--------------|
| | 2021 Actual Exp. | 2022 Adj. Approp. | 2023 Budgeted | Dollars | Percent |
| Salaries of Regular Employees | \$ 187,026,551 | \$ 207,610,700 | \$ 217,120,200 | \$ 9,509,500 | 4.6 % |
| Compensation Plan Adjustments | 7,960,939 | 10,919,000 | 10,422,800 | \$ (496,200) | (4.5)% |
| Social Security & Medicare Contributions | 2,756,633 | 3,212,000 | 3,254,700 | \$ 42,700 | 1.3 % |
| Employee Claims | 2,914,817 | 10,100,000 | 10,100,000 | \$ — | — % |
| Other Employee Personal Services* | 851,188 | 2,553,300 | 2,560,200 | \$ 6,900 | 0.3 % |
| Health & Life Insurance Premiums** | 43,494,188 | 49,511,700 | 52,083,800 | \$ 2,572,100 | 5.2 % |
| Total | \$ 245,004,316 | \$ 283,906,700 | \$ 295,541,700 | \$ 11,635,000 | 4.1 % |

* Includes Tuition, Training, and Nonbudgeted Salaries
 ** Includes Other Postemployment Benefits Distribution

FIVE-YEAR FINANCIAL FORECAST

2023 - 2027

The District's Five-Year Financial Forecast (FYFF), as defined by generally accepted accounting principles, is an interim financial report. Interim financial reports are designed to provide estimates of future financial operating conditions to policymakers and managers. They reflect no legal obligation of the organization, present or future.

The FYFF is prepared prior to the Executive Director's Budget Recommendations and reflects the best estimates of revenues, fund equity, and appropriation needs available at the time. This forecast is presented to the Executive Director. Subject to his review and approval, it is then included in the Budget.

For the 2023 Final Budget, several calculations, including estimated tax rates that are dependent on the final 2021 Equalized Assessed Valuation, have been updated to reflect actual data. All other estimates and projections remain unchanged from the Executive Director's Recommendations.

The FYFF presentation is in the form of a letter from the Administrative Services Officer to the Executive Director, which discusses the assumptions used in making the forecast. It also provides a discussion of the changes and trends in operations, which are expected to occur during the FYFF period. Graphs and tables are provided, detailing the financial projections of all funds.

Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312.751.5600

October 11, 2022

SUBJECT: **FIVE-YEAR FINANCIAL FORECAST, 2023 - 2027**

Dear Sir:

I have reviewed the Five-Year Financial Forecast prepared for the fiscal years 2023 - 2027 and offer the following report and summary. Subject to your review and approval, this will be included in the 2023 Budget. These projections are a tool designed to aid the District in planning and controlling its financial position over a longer range than the 2023 Budget itself. They also contribute to making the Budget a comprehensive financial plan of District operations, present, and future.

This forecast is designed to provide an understanding of how the District's revenues and expenditures are expected to develop during the next five years. The report's value lies in the projected trends rather than the absolute numbers. The current trends require the District to remain diligent in cutting costs and increasing efficiencies.

OVERVIEW

The Consumer Price Index (CPI) and the real estate market are primary drivers of the District's revenue. The global pandemic and resultant economic volatility has impacted the District's results in 2020, 2021 and anticipated results in 2022 as well as the 2023 budget, particularly the growth projected in the CPI. The 2023 budget anticipates revenue surplus, particularly related to over performance of the Personal Property Replacement Tax (PPRT), a portion of which is identified as a one-time revenue. CPI is estimated to end 2022 at 6.1 percent, but growth is estimated to slow through 2023 and 2024, and return to the average rate of 2.3 percent from 2025 through 2027. Actual results will be closely monitored and mid-year adjustments will be implemented if necessary.

Inflationary pressures on expenditures are incorporated into the 2023 budget across all operating and capital funds but are expected to follow CPI in the subsequent years. Significantly, the budget for electricity is expected to increase in 2023 by \$5.0 million, following a \$10.2 million increase in 2022, but expected to remain relatively flat in the subsequent years. Over the next decade, evolving permit requirements will impact both capital and operating expenditures.

Revenue sources for the District are limited by statute and are derived primarily from property taxes. Projections of economic growth in Illinois are reflected in revenues from personal property replacement tax collections, investment income, real estate leases, and user charge collections. These projections reflect the instability of current market environments, but also assume a return to steady economic growth over the projection period.

EXPENDITURES: DEPARTMENTAL GUIDELINES AND METHODOLOGY

The Budget Office asked each department to project its needs for the years 2023 - 2027. The projections were made in current dollars. Salary growth was projected by the Budget Office using conservative growth assumptions and holding staff steady. The Human Resources Department directly projected health and life insurance costs based on current multi-year agreements and industry trends. Electrical energy was adjusted for operating needs and contractual rates.

REVENUE AND FINANCING ASSUMPTIONS

Illinois Property Tax Extension Limitation statute remains the primary limiting factor for the District's long-term financial planning. This law limits increases in property tax levies in the aggregate to an increase of five percent or the change in the national CPI, whichever is less. The tax levy for the payment of principal and interest on District-issued debt is subject to the

tax cap through a limitation on the debt service extension base. The property tax levy for Stormwater Management is excluded from the limitation.

Key assumptions made in the projections of revenues and tax rates are:

- CPI is assumed to be 6.1 percent for 2022, 3.1 percent for 2023, and then remain at 2.3 percent in the following years. New property is assumed to be 1.0 percent for 2023-2027;
- The Aggregate Levy is expected to remain under the tax cap in 2023 and 2024 while CPI remains higher than the Federal Reserve's target rate. Total Property levies are projected to increase by an average rate of 3.3 percent annually over the five-year period;
- A PPRT provides income tax revenue from corporations, partnerships, and the invested capital of public utilities to replace the personal property taxes, which were once received from these sources. These revenues are received directly from the State of Illinois. Revenue from this source is estimated at \$100.0 million for 2023, an increase of \$39.6 million, or 65.6 percent, from the 2022 Original Budget, and is expected to remain near \$100.0 million in 2024, then reduce year-over-year from 2025 - 2027;
- The expenditure rate is expected to be 90.0 percent from 2023-2027;
- Tax collections will be 96.5 percent of what is levied, allowing for loss in collections, Property Tax Appeals Board decisions, circuit court decisions, and other tax refunds;
- The annual Equalized Assessed Valuation (EAV) projection is based on the 2020 amount as provided by the Cook County Clerk, with estimated growth of 4.0 percent annually from 2021 - 2023 and 3.0 percent annually from 2024 - 2027;
- A Capital Improvements bond sale valued at \$100.0 million is planned for 2023, followed by \$300.0 million in 2024 and \$150.0 million in 2026, although the District will explore the option for a Water Infrastructure Finance and Innovation Act loan for a portion of future project funding needs;
- The District is expecting to receive approximately \$50.0 million annually from 2023 - 2027 in State Revolving Fund loans;
- The District received statutory authority to sell up to \$600.0 million in Pension Obligation Bonds. Provided market conditions are favorable, the District plans to issue \$250.0 million during 2023 in Pension Obligation Bonds as a supplemental employer contribution.

REVENUE AND APPROPRIATION FORECASTS BY FUND

Total District appropriations are summarized in the exhibit on page 86 and detailed in Table I on page 87. The year-to-year variation is largely due to the schedule of awards for major capital projects.

Key assumptions made in the appropriation forecasts:

- Short-term fluctuations in commodities such as lumber and metals should have little impact over the long term. Over the long term, these costs will be viewed as normal cost increases in tandem with an economy that will continue with modest growth trends for the projection period;
- Health care costs are projected to increase an average of 5.0 percent annually through 2027;
- Salaries, wages, and other personal services costs are projected to increase by an average of 2.7 percent annually, which results in an increase of \$25.1 million in the Corporate Fund and \$1.4 million in the Stormwater Management Fund over five years.

Changes and explanations within the various District funds are as follows:

Corporate Fund

Tax levy projections for the Corporate Fund are expected to increase by an average of 3.8 percent annually from 2023 through 2027. Property tax revenues account for 59.5 percent of 2023 Corporate Fund projected revenue. The PPRT allocation to the Corporate Fund is expected to be \$56.9 million in 2023 and decline by an annual average of 12.8 percent through 2027.

Other significant funding sources include industrial user charge fees, investment income, and land rentals. The revenue from the user charge system, which by design recovers costs attributable to industrial users, is expected to stabilize at \$40.0 million in 2025 after lower projections in 2023 and 2024.

Appropriations

The Corporate Fund, the District's general fund, includes all appropriations for day-to-day operations. Appropriations for the fund are expected to increase an average of 2.6 percent annually from 2023 through 2027. This relative stability of appropriations is attributed to revenue estimates, as well as planned control of growth and stability in staffing levels. Inflationary pressures on expenditures are incorporated into the 2023 Budget across all operating and capital funds but are expected to follow CPI in the subsequent years. If the current economic climate of high inflation and uncertainty surrounding energy costs persists, costs may grow faster than current estimates show.

Operational Cost Increases

In addition to increases in salaries and benefits, there are two expenditure categories that will impact the District's operating costs over the next five years. Energy costs, including electricity and natural gas, have seen significant increases since 2021. Following a 27.0 percent increase in the 2022 budget for electricity, electricity is expected to increase by an additional \$5.0 million or, 10.0 percent, in 2023 while natural gas is expected to see a 72.5 percent increase, or \$2.9 million. While we expect that stability will return to the market in 2024, continued global market disruptions will have a negative impact.

Over the next ten years, regulatory permit requirements for phosphorus and nitrogen may impact operational costs including both capital and chemical needs. Chemical costs are projected to increase by an average of 24.3 percent annually as the District will be required to meet evolving regulatory permit limits for phosphorus. Furthermore, supply chain issues that began in 2020 continue to drive cost increases at a rate higher than inflation and are reflected in the forecast.

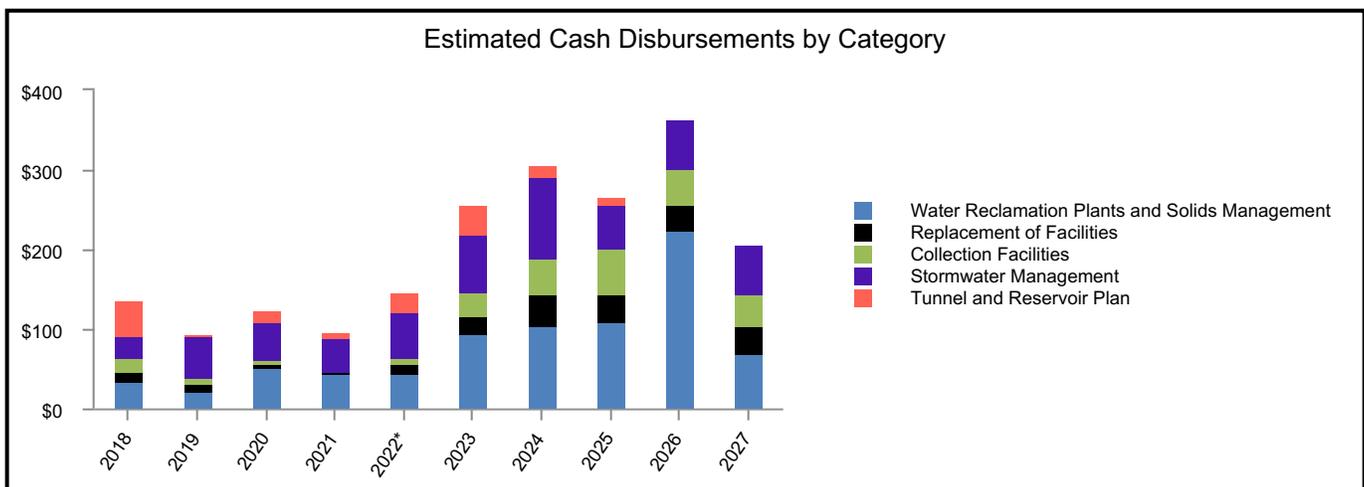
Employee and Retiree Health Care Benefits

The District's long-term benefits strategy continues to focus on rising health care costs. Employee and retiree benefits constitute approximately 9.8 percent of the Corporate Fund budget. While strategies to limit cost increases resulted in costs remaining flat from 2015 to 2019 and pandemic-related anomalies in 2020 - 2021 limited expenditures, benefits are projected to increase an average of 5.0 percent annually over the next five years. The District continues to fund the Other Postemployment Benefits (OPEB) Trust Fund to ensure the future of retiree health care benefits by contributing \$5.0 million annually through 2026. Beginning in 2027, the OPEB Trust is expected to be fully funded and the Corporate Fund will see a net positive variance of approximately \$10.0 million annually by eliminating the advance funding requirement coupled with a partial payment of retiree benefits from the OPEB fund.

Capital Improvement Program

The District's Capital Improvement Program is comprised of the Capital Improvements Bond Fund (CIBF), the Construction Fund, and the capital projects funded by the Stormwater Management Fund. While the CIBF is funded principally by State Revolving Fund loans, bond proceeds, and Build America Bond rebates (categorized as grants) for the construction of capital projects, the Construction Fund and the Stormwater Management Fund are property tax supported funds utilizing pay-as-you-go financing.

The table below shows the Estimated Cash Disbursements by Category for construction projects.



*Estimated 2022 Year-End

The tax levy for the Construction Fund is \$7.0 million in 2023 and projected to remain flat through 2027. Additionally, \$25.0 million from the District's PPRT disbursement will be allocated to the Construction Fund during 2023 and 2024 to allow for additional project funding. Appropriations for this fund lapse at year-end and uncompleted projects must be reappropriated. Initial estimates and schedules have been analyzed and compared to bond issuance authority and funding availability.

The Stormwater Management Fund levy is planned to decrease in 2023 an influx of federal funding will supplement project funding. The District expects \$17.5 million in 2022 and \$21.3 million in 2023 in grants and federal reimbursements to fund regional stormwater management projects, particularly in disproportionately impacted areas.

Retirement Fund

The 2023 appropriation for the Retirement Fund is \$117.9 million, a decrease of \$0.8 million from 2022 to 2023 due to staffing levels during the pandemic, but continues to include \$30.0 million in advance funding in 2023. The appropriation is expected to be stable from 2024 through 2027. Due to a change in legislation, beginning in 2013, the tax levy is based on the fund's actuarially determined contribution requirement, but shall not exceed an amount equal to employee contributions of two years prior, multiplied by 4.19. The previous multiplier was 2.19, and employee contributions for employees who were fund members before January 1, 2011 increased one percent per year from nine percent in 2012 to 12.0 percent in 2015.

In 2022, the District received statutory authority to issue up to \$600.0 million in Pension Obligation Bonds. While the 2023 Budget does prepare for a possible \$250.0 million Bond issuance if market conditions are favorable, the sale is not reflected in the Fund's five-year outlook. If bonds are issued, debt service will be paid from the property taxes levied for the employer contribution.

The average annual increase projected for 2023 - 2027 is 1.3 percent for the Retirement Fund property tax levy. The Fund also receives a portion of the District's PPRT distribution from the State of Illinois equal to 20.9 percent of the total Retirement Fund revenues.

Debt Service Fund

The District is planning several bond sales over the next five years to fund the capital program. Significant projects are planned to modernize aging infrastructure and prepare for evolving effluent permit limits. The District continues to maximize State Revolving Loan funding and will seek to utilize Water Infrastructure Finance and Innovation Act loans to take advantage of the lowest possible interest rates.

The projected debt for the District from 2023 through 2027 appears on page 90. The District's outstanding bonds and ability to issue additional bonds are presented on pages 518 - 522.

A complete discussion of the District's planned phosphorus removal projects can be found in the Capital Improvement Plan. As a result of the planned borrowing, Debt Service Fund appropriations are expected to increase an average of 2.5 percent annually over the next five years. Borrowing will be constricted in the subsequent five-year period of 2028 - 2032 due to limitations of the debt service extension base.

| Planned Bond Sales | | |
|--------------------|----------|-----------|
| in \$ Millions | Limited | Unlimited |
| 2023 | \$ 100.0 | — |
| 2024 | \$ 300.0 | — |
| 2025 | — | — |
| 2026 | \$ 125.0 | \$ 25.0 |
| 2027 | — | — |

Reserve Claim Fund

The tax levy for the Reserve Claim Fund is projected to be \$7.5 million in 2023 and remain flat at \$7.5 million from 2024 through 2027. The appropriation for the Reserve Claim Fund is expected to grow slowly between 2023 and 2027, from \$46.0 million to \$54.0 million. The Reserve Claim Fund is the District's self-insurance fund, and the annual appropriation equals all available resources in the fund. The projected annual appropriation is based on average annual expenditures of \$5.0 million remaining steady. Expenditures related to Workers' Compensation claims are expected to remain stable. Beginning in 2015, the District purchased insurance coverage for roughly \$10.5 billion in assets.

SUPPORTING EXHIBITS

The data presented to illustrate the projected financial status of the District is divided into six segments: Summary of All Funds, the Corporate Fund, Capital Improvements Funds, Debt Service Fund, Program Distribution within Fund, and the Combined GAAP Basis Balance Sheets for the General Corporate Fund.

The graphs on page 86, and the table on page 87, summarize the projected appropriations, property tax rates, and tax levies for all funds for the years 2023 through 2027. Historical comparisons can be made by reviewing the actual appropriations, tax rates, and levies for the years 2014 through 2023 on page 65.

Table II, on page 88 provides detailed revenue and tax rate projections, as well as appropriations by department and major categories for the Corporate Fund for 2023 through 2027. Corporate Fund appropriations and expenditures for the years 2014 through 2023 can be found on page 129.

Projections for revenues, tax rates, and appropriations for the Construction Fund for the years 2023 through 2027, appear on page 89, and projected appropriable resources and appropriations for the Capital Improvements Bond Fund appear on page 90. The exhibits on page 91 present appropriation projections by major programs. A summary of actual and projected construction expenditures for both funds, for the years 2018 through 2027, can be found in the Capital Improvement Program Section, on page 331.

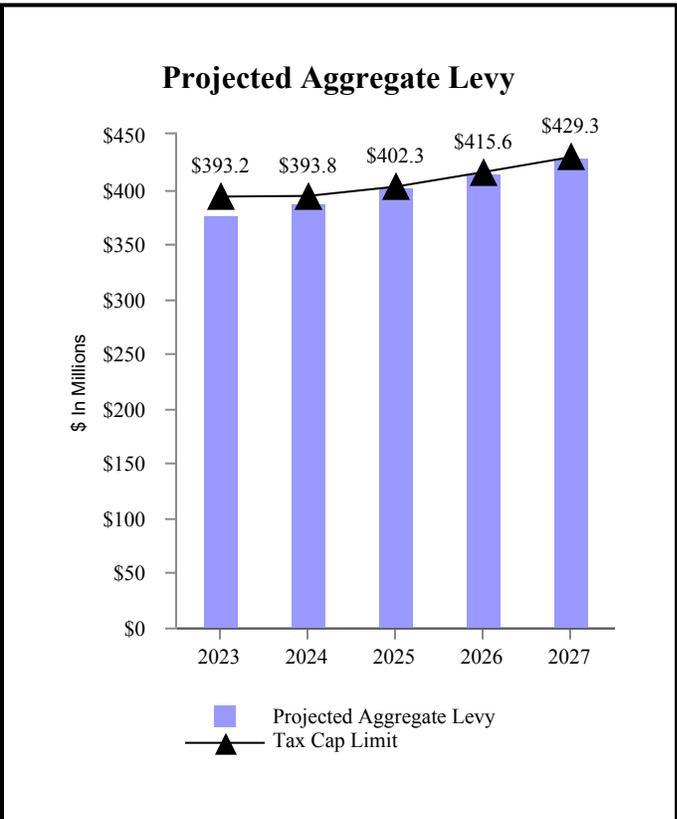
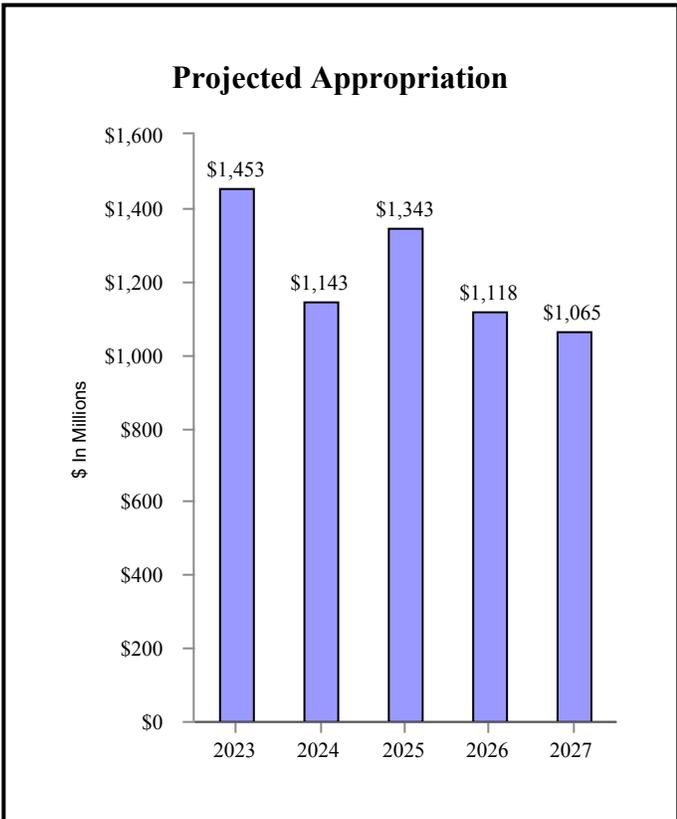
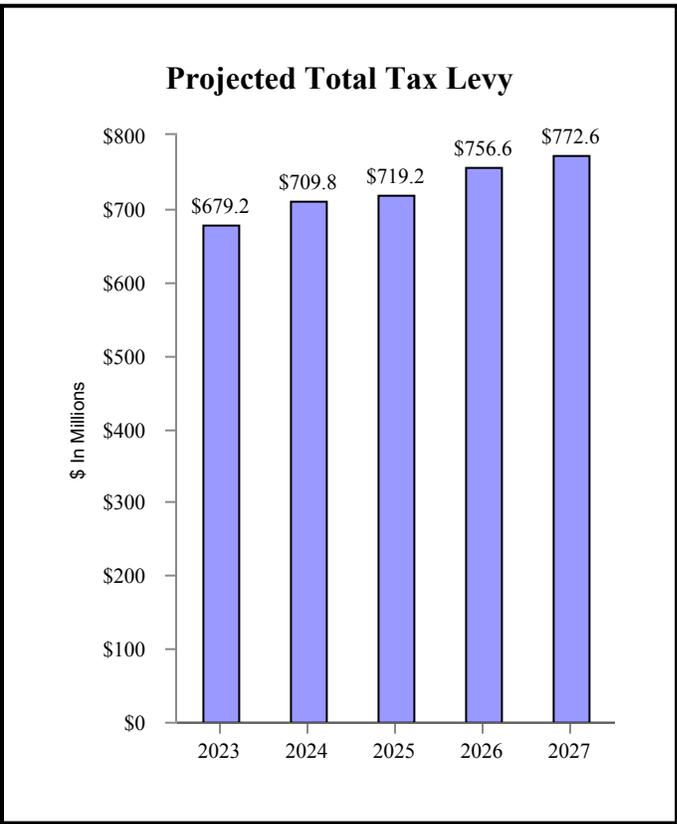
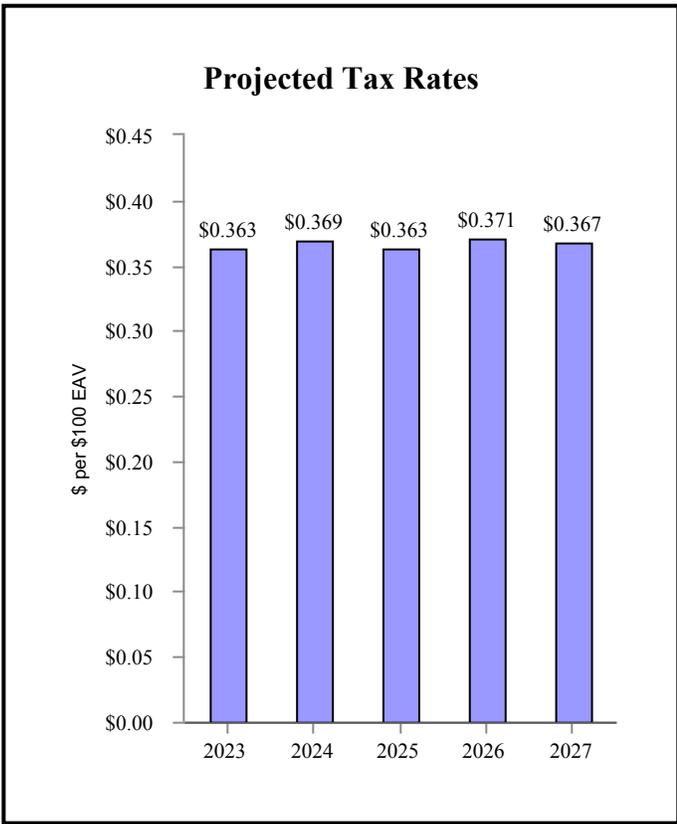
The balance sheet statement on page 92 is prepared on a GAAP basis of accounting and is included to show the effect on the General Corporate Fund, which is comprised of the Corporate, Corporate Working Cash, and Reserve Claim Funds. The total fund equity projection for 2023 is \$402.9 million.

Respectfully submitted,



Shellie A. Riedle
Administrative Services Officer

FIVE-YEAR FINANCIAL FORECAST, 2023 - 2027



FIVE-YEAR FINANCIAL FORECAST, 2023 - 2027

TABLE I

| ALL FUNDS | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|
| Projected Tax Rates | 2023 | 2024 | 2025 | 2026 | 2027 |
| Corporate | \$ 0.1568 | \$ 0.1571 | \$ 0.1587 | \$ 0.1601 | \$ 0.1618 |
| Construction | 0.0037 | 0.0036 | 0.0035 | 0.0034 | 0.0033 |
| Stormwater Management | 0.0281 | 0.0273 | 0.0290 | 0.0306 | 0.0321 |
| Debt Service | 0.1330 | 0.1394 | 0.1309 | 0.1366 | 0.1312 |
| Retirement | 0.0379 | 0.0375 | 0.0369 | 0.0362 | 0.0354 |
| Reserve Claim | 0.0040 | 0.0039 | 0.0038 | 0.0037 | 0.0036 |
| Total (\$ in cents) | \$ 0.3635 | \$ 0.3688 | \$ 0.3628 | \$ 0.3706 | \$ 0.3674 |
| Percentage Change | — % | 1.48 % | (1.63)% | 2.14 % | (0.85)% |
| Projected tax rate per \$100 Equalized Assessed Valuation (EAV). Based on 2021 EAV of \$172.7 billion increasing 4.0% annually from 2021 - 2023 and 3% annually thereafter. | | | | | |
| Projected Tax Levies | 2023 | 2024 | 2025 | 2026 | 2027 |
| Corporate | \$ 292,900 | \$ 302,387 | \$ 314,596 | \$ 326,906 | \$ 340,265 |
| Construction | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 |
| Stormwater Management | 52,500 | 52,500 | 57,500 | 62,500 | 67,500 |
| Debt Service- Existing | 248,491 | 247,153 | 244,381 | 255,033 | 254,750 |
| Debt Service- Proposed | — | 21,094 | 14,999 | 23,767 | 21,086 |
| Retirement | 70,845 | 72,156 | 73,190 | 73,867 | 74,533 |
| Reserve Claim | 7,500 | 7,500 | 7,500 | 7,500 | 7,500 |
| Total Levy (\$ in thousands) | \$ 679,236 | \$ 709,791 | \$ 719,166 | \$ 756,573 | \$ 772,633 |
| Percentage Change | — % | 4.50 % | 1.32 % | 5.20 % | 2.12 % |
| Aggregate Levy (\$ in thousands) | \$ 378,245 | \$ 389,043 | \$ 402,286 | \$ 415,273 | \$ 429,298 |
| Percentage Change | 1.94 % | 2.85 % | 3.40 % | 3.23 % | 3.38 % |
| Projected Annual Appropriations | 2023 | 2024 | 2025 | 2026 | 2027 |
| Corporate | \$ 472,600 | \$ 493,499 | \$ 498,569 | \$ 513,119 | \$ 523,148 |
| Capital Improvements Bond | 406,901 | 122,548 | 334,524 | 98,444 | 15,044 |
| Construction | 42,087 | 44,364 | 30,868 | 28,511 | 27,349 |
| Stormwater Management | 128,982 | 108,168 | 92,584 | 90,301 | 94,290 |
| Debt Service- Existing | 238,065 | 234,833 | 230,903 | 230,903 | 238,595 |
| Debt Service- Proposed | — | 5,345 | 17,240 | 15,127 | 22,913 |
| Retirement | 117,915 | 86,440 | 88,040 | 89,301 | 90,127 |
| Reserve Claim | 46,014 | 47,514 | 50,014 | 52,014 | 54,014 |
| Total Appropriation (\$ in thousands) | \$ 1,452,564 | \$ 1,142,712 | \$ 1,342,743 | \$ 1,117,720 | \$ 1,065,480 |
| Projected Positions | 2023 | 2024 | 2025 | 2026 | 2027 |
| Corporate | 1,857 | 1,855 | 1,854 | 1,853 | 1,853 |
| Stormwater Management | 100 | 100 | 100 | 100 | 100 |
| Total Positions | 1,957 | 1,955 | 1,954 | 1,953 | 1,953 |

Note: Totals are rounded.

FIVE-YEAR FINANCIAL FORECAST, 2023 - 2027

TABLE II

| CORPORATE FUND | | | | | | % average annual change |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------|
| Five-Year Revenue and Tax Rate Projections | 2023 | 2024 | 2025 | 2026 | 2027 | 2023-2027 |
| Property Taxes | \$ 282,649 | \$ 291,803 | \$ 303,585 | \$ 315,464 | \$ 328,356 | 3.82 % |
| Personal Property Replacement Tax | 56,925 | 40,000 | 37,000 | 35,000 | 32,000 | (12.80)% |
| User Charge | 37,000 | 38,000 | 40,000 | 40,000 | 40,000 | 1.99 % |
| Investment Income | 6,090 | 8,129 | 8,301 | 7,494 | 7,791 | 7.46 % |
| Land Rentals | 28,000 | 28,000 | 28,000 | 28,500 | 29,000 | 0.89 % |
| Miscellaneous | 10,935 | 6,154 | 6,369 | 6,592 | 6,823 | (8.31)% |
| Net Assets Appropriable | 256,157 | 252,416 | 220,353 | 194,897 | 166,140 | (10.12)% |
| Budget Reserve | (205,156) | (171,004) | (145,040) | (114,828) | (86,962) | (19.23)% |
| Total Appropriable Resources (\$ in thousands) | \$ 472,600 | \$ 493,499 | \$ 498,569 | \$ 513,119 | \$ 523,148 | 2.58 % |
| Projected Equalized Assessed Valuation (EAV) (Based on 2021 EAV, assumes 4.0% increase for 2022-2023, followed by 3.0% increase annually) | \$ 186.83 billion | \$ 192.44 billion | \$ 198.21 billion | \$ 204.15 billion | \$ 210.28 billion | |
| Projected Tax Rate Cents per \$100 EAV | 15.7 ¢ | 15.7 ¢ | 15.9 ¢ | 16.0 ¢ | 16.2 ¢ | |
| Gross Levy - assumes 3.5% uncollectible. | \$ 292,900 | \$ 302,387 | \$ 314,596 | \$ 326,906 | \$ 340,265 | |
| Projected Appropriations by Major Categories | 2023 | 2024 | 2025 | 2026 | 2027 | 2023-2027 |
| Employee Cost - Salaries | \$ 219,398 | \$ 224,883 | \$ 231,629 | \$ 238,578 | \$ 244,542 | 2.75 % |
| Employee Cost - Health Care | 46,207 | 48,726 | 51,407 | 54,256 | 57,290 | 5.52 % |
| Other Postemployment Benefits Trust | 5,000 | 5,000 | 5,000 | 5,000 | — | (25.00)% |
| Professional Services | 5,988 | 6,048 | 6,108 | 6,170 | 6,231 | 1.00 % |
| Energy Cost | 62,824 | 63,453 | 64,087 | 64,728 | 65,375 | 1.00 % |
| Chemicals | 17,046 | 28,025 | 30,232 | 34,121 | 38,250 | 24.31 % |
| Materials & Supplies | 28,876 | 29,165 | 29,456 | 29,751 | 30,048 | 1.00 % |
| Solids Disposal | 13,370 | 13,504 | 13,639 | 13,775 | 13,913 | 1.00 % |
| Contracted Solids Disposal | 5,800 | 5,805 | 6,021 | 6,244 | 6,474 | 2.80 % |
| Computer Systems & Telecommunications | 11,347 | 9,160 | 9,252 | 9,344 | 9,438 | (4.07)% |
| Repairs to Structures & Equipment | 25,560 | 24,780 | 19,731 | 18,916 | 18,939 | (6.86)% |
| Contractual Services | 23,353 | 26,968 | 23,872 | 23,935 | 24,171 | 1.31 % |
| Machinery & Equipment | 7,051 | 7,122 | 7,193 | 7,265 | 7,337 | 1.00 % |
| Real Estate Taxes | 780 | 860 | 942 | 1,036 | 1,140 | 9.95 % |
| Total (\$ in thousands) | \$ 472,600 | \$ 493,499 | \$ 498,569 | \$ 513,119 | \$ 523,148 | 2.58 % |
| Projected Appropriations by Department | 2023 | 2024 | 2025 | 2026 | 2027 | 2023-2027 |
| Board of Commissioners | \$ 5,866 | \$ 5,652 | \$ 5,770 | \$ 5,910 | \$ 5,934 | 0.32 % |
| General Administration | 22,748 | 22,540 | 22,652 | 23,232 | 23,365 | 0.68 % |
| Monitoring & Research | 34,798 | 34,354 | 35,166 | 36,061 | 36,306 | 1.08 % |
| Procurement & Materials Management | 11,446 | 11,104 | 11,369 | 11,631 | 11,703 | 0.58 % |
| Human Resources | 67,561 | 71,425 | 75,132 | 79,032 | 82,115 | 5.00 % |
| Information Technology | 22,741 | 21,573 | 21,963 | 22,631 | 22,794 | 0.11 % |
| Law | 8,469 | 8,784 | 9,047 | 9,347 | 9,498 | 2.91 % |
| Finance | 4,122 | 4,238 | 4,291 | 4,431 | 4,472 | 2.06 % |
| Engineering | 29,824 | 31,759 | 28,966 | 29,545 | 29,969 | 0.28 % |
| Maintenance & Operations | 265,025 | 282,070 | 284,213 | 291,299 | 296,992 | 2.91 % |
| Total (\$ in thousands) | \$ 472,600 | \$ 493,499 | \$ 498,569 | \$ 513,119 | \$ 523,148 | 2.58 % |
| Projected Appropriation Distribution by Program | 2023 | 2024 | 2025 | 2026 | 2027 | 2023-2027 |
| 1000 Collection | \$ 73,102 | \$ 77,719 | \$ 75,084 | \$ 75,012 | \$ 75,509 | 0.87 % |
| 2000 Treatment | 111,767 | 115,153 | 114,130 | 117,160 | 119,162 | 1.63 % |
| 3000 Solids Processing | 56,571 | 60,225 | 61,682 | 63,971 | 65,867 | 3.89 % |
| 4000 Flood & Pollution Control | 44,961 | 45,132 | 45,756 | 46,785 | 47,040 | 1.14 % |
| 5000 Solids Disposal | 30,546 | 33,426 | 34,158 | 35,084 | 35,452 | 3.84 % |
| 7000 General Support | 155,653 | 161,844 | 167,759 | 175,107 | 180,118 | 3.72 % |
| Total (\$ in thousands) | \$ 472,600 | \$ 493,499 | \$ 498,569 | \$ 513,119 | \$ 523,148 | 2.58 % |

Note: Totals are rounded.

FIVE-YEAR FINANCIAL FORECAST, 2023 - 2027

TABLE III

| CONSTRUCTION FUND | | | | | |
|--|-------------------|-------------------|------------------|------------------|------------------|
| Five-Year Revenue and Tax Rate Projections | 2023 | 2024 | 2025 | 2026 | 2027 |
| Property Taxes | \$ 6,755 | \$ 6,755 | \$ 6,755 | \$ 6,755 | \$ 6,755 |
| Personal Property Replacement Tax | 25,000 | 25,000 | — | — | — |
| Equity Transfer | — | — | 6,000 | 6,000 | 6,000 |
| Investment Income & Miscellaneous Revenue | 316 | (17) | 367 | 322 | 339 |
| Net Assets Appropriable | 10,016 | 12,626 | 17,746 | 15,434 | 14,255 |
| Total Revenue & Appropriable Resources (\$ in thousands) | \$ 42,087 | \$ 44,364 | \$ 30,868 | \$ 28,511 | \$ 27,349 |
| Projected Equalized Assessed Valuation (EAV) | \$ 186.83 | \$ 192.44 | \$ 198.21 | \$ 204.15 | \$ 210.28 |
| (Based on 2021 EAV, assumes 4.0% increase for 2022 and 2023, followed by 3.0% annually thereafter) | billion | billion | billion | billion | billion |
| Projected Tax Rate Cents per \$100 of EAV | 0.4 ¢ | 0.4 ¢ | 0.4 ¢ | 0.3 ¢ | 0.3 ¢ |
| Gross Levy - assumes 3.5% uncollectible rate. | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 |
| Projected Appropriations | 2023 | 2024 | 2025 | 2026 | 2027 |
| Capital Projects | \$ 35,810 | \$ 37,992 | \$ 26,060 | \$ 22,837 | \$ 22,062 |
| Professional Services | 6,277 | 6,372 | 4,808 | 5,674 | 5,288 |
| Total (\$ in thousands) | \$ 42,087 | \$ 44,364 | \$ 30,868 | \$ 28,511 | \$ 27,349 |
| Projected Appropriation Distribution by Program | 2023 | 2024 | 2025 | 2026 | 2027 |
| 1000 Collection | \$ 2,720 | \$ 5,701 | \$ 4,811 | \$ 2,792 | \$ 1,895 |
| 2000 Treatment | 28,420 | 27,077 | 20,296 | 17,543 | 18,247 |
| 3000 Solids Processing | 550 | 1,190 | 777 | 936 | 432 |
| 4000 Flood & Pollution Control | 9,047 | 5,129 | 3,233 | 5,598 | 5,083 |
| 5000 Solids Disposal | 1,000 | 4,146 | 186 | 475 | 513 |
| 7000 General Support | 350 | 1,121 | 1,565 | 1,166 | 1,179 |
| Total (\$ in thousands) | \$ 42,087 | \$ 44,364 | \$ 30,868 | \$ 28,511 | \$ 27,349 |
| STORMWATER MANAGEMENT FUND | | | | | |
| Five-Year Revenue and Tax Rate Projections | 2023 | 2024 | 2025 | 2026 | 2027 |
| Property Taxes | \$ 50,663 | \$ 50,663 | \$ 55,488 | \$ 60,313 | \$ 65,138 |
| Investment Income & Miscellaneous Revenue | 965 | 1,427 | 1,458 | 1,316 | 1,368 |
| Sewer Permit Fees | 1,100 | 1,200 | 1,300 | 1,400 | 1,500 |
| Grants | 21,250 | 2,000 | 2,000 | 2,000 | 2,000 |
| Net Assets Appropriable | 64,536 | 63,704 | 43,162 | 36,096 | 35,109 |
| Equity Transfer (Debt Service for Alternate Revenue Bonds) | (9,531) | (10,825) | (10,824) | (10,823) | (10,825) |
| Total Revenue & Appropriable Resources (\$ in thousands) | \$ 128,983 | \$ 108,168 | \$ 92,584 | \$ 90,301 | \$ 94,290 |
| Projected EAV | \$ 186.83 | \$ 192.44 | \$ 198.21 | \$ 204.15 | \$ 210.28 |
| (Based on 2021 EAV, assumes 4.0% increase for 2022-2023, followed by 3.0% increase annually) | billion | billion | billion | billion | billion |
| Projected Tax Rate Cents per \$100 of EAV | 2.8 ¢ | 2.7 ¢ | 2.9 ¢ | 3.1 ¢ | 3.2 ¢ |
| Gross Levy - assumes 3.5% uncollectible rate. | \$ 52,500 | \$ 52,500 | \$ 57,500 | \$ 62,500 | \$ 67,500 |
| Projected Appropriations | 2023 | 2024 | 2025 | 2026 | 2027 |
| Employee Cost - Salaries | \$ 12,052 | \$ 12,353 | \$ 12,724 | \$ 13,106 | \$ 13,433 |
| Employee Cost - Health Care | 1,077 | 1,130 | 1,186 | 1,246 | 1,310 |
| Professional Services | 12,642 | 4,643 | 6,902 | 9,305 | 11,659 |
| Intergovernmental Agreements | 30,893 | 30,000 | 20,000 | 20,000 | 20,000 |
| Contractual Services | 3,147 | 3,248 | 3,299 | 3,756 | 3,940 |
| Capital Projects | 67,703 | 56,328 | 47,868 | 42,070 | 43,043 |
| Other Charges | 1,469 | 465 | 605 | 818 | 904 |
| Total (\$ in thousands) | \$ 128,982 | \$ 108,168 | \$ 92,584 | \$ 90,301 | \$ 94,290 |
| Projected Appropriation Distribution by Program | 2023 | 2024 | 2025 | 2026 | 2027 |
| 4000 Flood & Pollution Control | \$ 128,982 | \$ 108,168 | \$ 92,584 | \$ 90,301 | \$ 94,290 |
| Total (\$ in thousands) | \$ 128,982 | \$ 108,168 | \$ 92,584 | \$ 90,301 | \$ 94,290 |

Note: Totals are rounded.

FIVE-YEAR FINANCIAL FORECAST, 2023 - 2027

TABLE IV

| CAPITAL IMPROVEMENTS BOND FUND* | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|
| Appropriable Resources (Cash) | 2023 | 2024 | 2025 | 2026 | 2027 |
| Bond Sales - Limited | \$ 100,000 | \$ 300,000 | \$ — | \$ 125,000 | \$ — |
| Bond Sales - Unlimited | — | — | — | 25,000 | — |
| Bond Sales - Unlimited Stormwater Management | — | — | — | — | — |
| State Revolving Loan Fund Receipts | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Investment Income & Grant Revenue | 22,649 | 18,869 | 17,421 | 17,254 | 16,523 |
| Beginning Cash | 348,994 | 336,811 | 498,985 | 354,878 | 274,264 |
| Total Assets Appropriable (\$ in thousands) | \$ 521,643 | \$ 705,680 | \$ 566,406 | \$ 572,132 | \$ 340,787 |
| Expenditures | \$ 184,832 | \$ 206,695 | \$ 211,529 | \$ 297,868 | \$ 140,148 |
| Ending Cash (\$ in thousands) | \$ 336,811 | \$ 498,985 | \$ 354,878 | \$ 274,264 | \$ 200,639 |
| Projected Appropriations by Major Categories | | | | | |
| | 2023 | 2024 | 2025 | 2026 | 2027 |
| Professional Consulting Services | \$ 16,776 | \$ 7,390 | \$ 2,489 | \$ 2,509 | \$ 3,709 |
| Capital Projects | 310,908 | 114,728 | 331,650 | 94,950 | 10,950 |
| Other Charges | 1,816 | 431 | 385 | 986 | 385 |
| Total (\$ in thousands) | \$ 329,500 | \$ 122,548 | \$ 334,524 | \$ 98,444 | \$ 15,044 |
| Projected Appropriation Distribution by Program | | | | | |
| | 2023 | 2024 | 2025 | 2026 | 2027 |
| 1000 Collection | \$ 153,738 | \$ 8,050 | \$ 11,200 | \$ 1,750 | \$ 2,950 |
| 2000 Treatment | 87,138 | 79,870 | 305,089 | 43,509 | 6,759 |
| 3000 Solids Processing | 21,371 | 22,050 | 12,900 | 21,000 | — |
| 4000 Flood & Pollution Control | 57,948 | 8,895 | 4,585 | 30,835 | 4,585 |
| 5000 Solids Disposal | 86,000 | 3,388 | 500 | 500 | 500 |
| 7000 General Support | 706 | 296 | 250 | 851 | 250 |
| Total (\$ in thousands) | \$ 406,901 | \$ 122,548 | \$ 334,524 | \$ 98,444 | \$ 15,044 |

*The Capital Improvements Bond Fund is appropriated on an obligation basis. Expenditures are expected to be disbursed over the term of the projects funded.

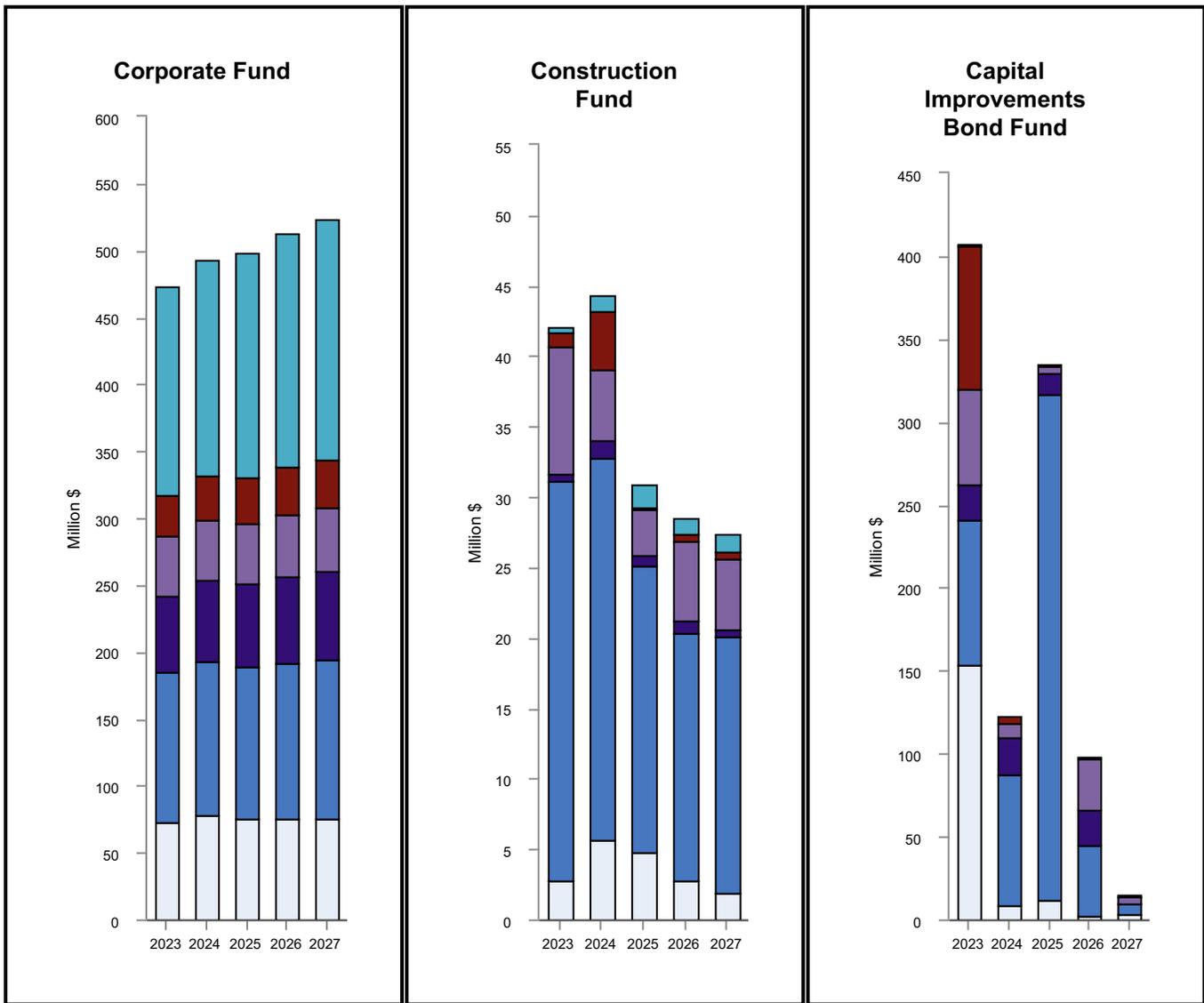
| DEBT SERVICE FUNDS | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|
| Projected Debt | | | | | |
| EXISTING DEBT | 2023 | 2024 | 2025 | 2026 | 2027 |
| January 1 Debt | \$ 2,637,381 | \$ 2,653,179 | \$ 2,867,000 | \$ 2,778,472 | \$ 2,836,484 |
| Annual Current Debt Retirement | (134,202) | (135,204) | (135,578) | (137,013) | (151,931) |
| Net Debt | \$ 2,503,179 | \$ 2,517,975 | \$ 2,731,422 | \$ 2,641,459 | \$ 2,684,553 |
| PROPOSED FUTURE DEBT | 2023 | 2024 | 2025 | 2026 | 2027 |
| Annual Sale of Bonds: | | | | | |
| Capital Bonds - Limited | \$ 100,000 | \$ 300,000 | \$ — | \$ 125,000 | \$ — |
| Capital Bonds - Unlimited | — | — | — | 25,000 | — |
| Alternate Bonds - Unlimited Stormwater | — | — | — | — | — |
| State Revolving Fund Bond Issues | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Future Debt Retirement | — | (975) | (2,950) | (4,975) | (7,050) |
| Proposed New Debt (\$ in thousands) | \$ 150,000 | \$ 349,025 | \$ 47,050 | \$ 195,025 | \$ 42,950 |
| PROJECTED DEBT OUTSTANDING | | | | | |
| Gross Levy for Existing Debt | \$ 248,491 | \$ 247,153 | \$ 244,381 | \$ 255,033 | \$ 254,750 |
| Gross Levy for Future Debt | \$ — | \$ 21,094 | \$ 14,999 | \$ 23,767 | \$ 21,086 |
| Total Debt Levy | \$ 248,491 | \$ 268,247 | \$ 259,380 | \$ 278,800 | \$ 275,835 |
| Tax Rate (cents) | 13.3 ¢ | 13.9 ¢ | 13.1 ¢ | 13.7 ¢ | 13.1 ¢ |
| Projected Stormwater Alternate Revenue Abatement** | \$ (9,531) | \$ (10,825) | \$ (10,824) | \$ (10,823) | \$ (10,825) |
| Projected Levy After Abatement | \$ 238,960 | \$ 257,422 | \$ 248,556 | \$ 267,977 | \$ 265,011 |
| Projected Equalized Assessed Valuation (EAV)*** | \$ 186.83 | \$ 192.44 | \$ 198.21 | \$ 204.15 | \$ 210.28 |
| | billion | billion | billion | billion | billion |

**As part of the plan of financing, tax revenues deposited in the Stormwater Management Fund are transferred to the Bond Redemption and Interest Fund for payment of Alternative Revenue Bonds.
 ***Assumes a 4.0% increase in 2022 and 2023, and then 3.0% increase annually.

Note: Numbers are rounded.

FIVE-YEAR FINANCIAL FORECAST, 2023 - 2027

APPROPRIATIONS



This set of stacked bar charts is a restatement of each fund's appropriation table. The relatively steady proportions across all programs within the Corporate Fund reflect the District's consistent view of its objectives in the near term. The most significant aspect of the Construction Fund involves increasing its use for smaller pay-as-you-go capital projects administered by the Maintenance & Operations Department. The fluctuations in the Capital Improvements Bond Fund's (CIBF) appropriations represent the award of major projects related to phosphorus removal. The CIBF operates on a full obligation basis and is the only fund where the encumbered appropriations do not lapse at the fiscal year-end.

FIVE-YEAR FINANCIAL FORECAST, 2023 - 2027
 Combined GAAP Balance Sheets - General Corporate Fund
 (in Thousands)

| Assets | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|
| Cash | \$ 153,955 | \$ 157,034 | \$ 160,175 | \$ 163,379 | \$ 166,647 |
| Prepaid Insurance | 7,039 | 7,180 | 7,324 | 7,470 | 7,619 |
| Investments | 183,467 | 187,136 | 190,879 | 194,697 | 198,591 |
| Receivables: | | | | | |
| Property Taxes | 300,400 | 309,887 | 322,096 | 334,406 | 347,765 |
| Less Allowance for Uncollectible Taxes | (10,514) | (10,846) | (11,273) | (11,704) | (12,172) |
| Net Property Taxes Receivable | 289,886 | 299,041 | 310,823 | 322,702 | 335,593 |
| Personal Property Replacement Tax | 56,925 | 40,000 | 37,000 | 35,000 | 32,000 |
| User Charges | 1,588 | 1,620 | 1,652 | 1,685 | 1,719 |
| Miscellaneous | 62 | 63 | 64 | 65 | 66 |
| Due from Stormwater Management Fund | | | | | |
| Restricted Deposits | | | | | |
| Inventories | 35,520 | 36,230 | 36,955 | 37,694 | 38,448 |
| Total Assets | \$ 671,517 | \$ 688,304 | \$ 707,872 | \$ 727,692 | \$ 748,683 |
| Liabilities and Fund Equity | | | | | |
| Liabilities: | | | | | |
| Deferred Tax Revenue | \$ 233,772 | \$ 236,110 | \$ 238,471 | \$ 240,856 | \$ 243,265 |
| Accounts Payable and Other Liabilities | 34,818 | 34,122 | 33,440 | 32,771 | 33,426 |
| Total Liabilities | \$ 268,590 | \$ 270,232 | \$ 271,911 | \$ 273,627 | \$ 276,691 |
| Fund Equity: | | | | | |
| Fund Balances | | | | | |
| Prepaid Insurance | \$ 7,039 | \$ 7,180 | \$ 7,324 | \$ 7,470 | \$ 7,619 |
| Non-spendable - Inventory | 35,520 | 36,230 | 36,955 | 37,694 | 38,448 |
| Restricted - Working Cash | 291,120 | 296,942 | 302,881 | 308,939 | 315,118 |
| Real Estate Escrow | 2,407 | 2,409 | 2,412 | 2,414 | 2,416 |
| Reserve Claim | 39,511 | 40,301 | 41,107 | 41,929 | 42,768 |
| Deposits | | | | | |
| Unassigned: | | | | | |
| Unassigned | 27,330 | 35,010 | 45,282 | 55,619 | 65,623 |
| Total Fund Equity | \$ 402,927 | \$ 418,072 | \$ 435,961 | \$ 454,065 | \$ 471,992 |
| Total Liabilities and Fund Equity | \$ 671,517 | \$ 688,304 | \$ 707,872 | \$ 727,692 | \$ 748,683 |

Note: Totals are rounded.

SECTION III

FINANCIAL STATEMENTS BY FUND

In this section, the financial structure of the District is presented with an explanation of the funds used, the accounting basis employed, and the relationships among the various funds. All financial statements, which Illinois Compiled Statutes require to be included in the Budget, are presented in this section. These statements and schedules provide full disclosure of assets and liabilities.

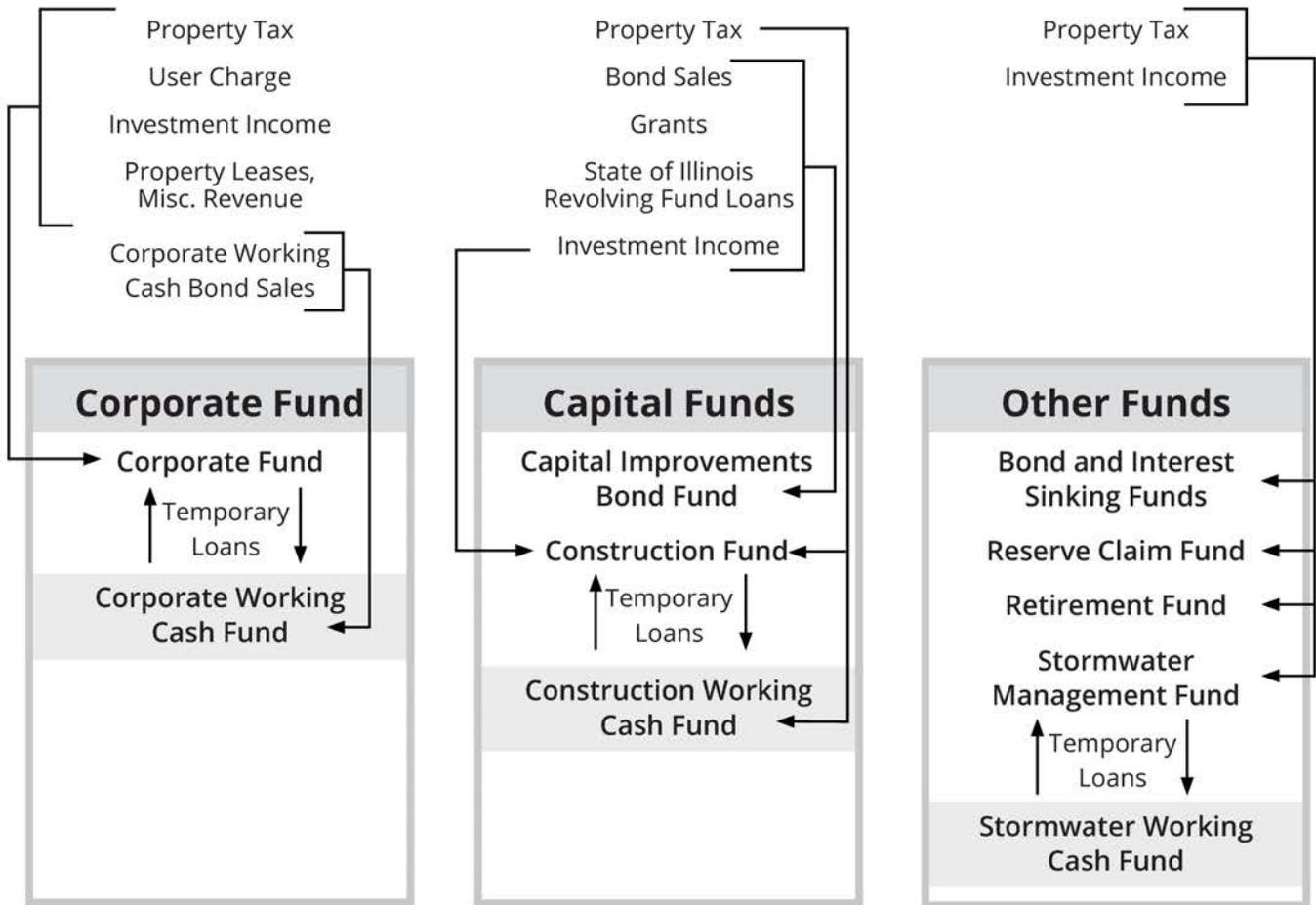
The financial statements are first presented in summary, with an overall financial narrative, then with summary statements of revenue and expenditures for 2021 through the Budget Year 2023. Consolidated statements of taxes receivable, providing historical data on tax levies, are included in this section. A consolidated Appropriation for Liabilities statement is presented, which identifies and provides an appropriation for unpaid bills, contracts, and other liabilities. These liabilities are then subtracted from current assets to determine assets available for appropriation.

Major fund category narratives are presented for the Corporate Fund, Capital Funds, and Other Funds, which discuss revenue sources, trends in revenue and expenditures, fiscal/financial policies, and other elements of these funds. Estimated balance sheets, statements of appropriable revenue, and statements of financial sources are then presented individually for each fund.

| | |
|---|-----|
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| Summary of Revenue, Expenditures, and Net Assets Appropriable, 2023 - 2021 | 97 |
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| Taxes Receivable, 2022 and Prior Years, Including Estimate for 2023 | 105 |
| Personal Property Replacement Taxes Receivable, 2023 and Prior Years, Including Estimate for 2023 | 106 |
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| Estimated Balance Sheet, 2023 - 2022 | 110 |
| Appropriable Revenue, 2023 - 2020 | 111 |
| Financing, 2023 - 2018 | 112 |
| Corporate Working Cash Fund: | |
| Estimated Balance Sheet, 2023 - 2022 | 113 |
| Revenues, 2023 - 2020 | 113 |
| Capital Funds: Financial Narrative | 114 |
| Capital Improvements Bond Fund: | |
| Estimated Balance Sheet, 2023 - 2022 | 116 |
| Appropriable Revenue, 2023 - 2020 | 117 |
| Construction Fund: | |
| Estimated Balance Sheet, 2023 - 2022 | 118 |
| Financing, 2023 - 2018, and Appropriable Revenue, 2023 - 2020 | 119 |
| Construction Working Cash Fund: | |
| Estimated Balance Sheet, 2023 - 2022 | 120 |
| Revenues, 2023 - 2020 | 120 |
| Stormwater Management Fund: | |
| Estimated Balance Sheet, 2023 - 2022 | 121 |
| Financing, 2023 - 2018 and Appropriable Revenue, 2023 - 2020 | 122 |
| Stormwater Working Cash Fund: | |
| Estimated Balance Sheet, 2023 - 2022 | 123 |
| Appropriable Revenue, 2023 - 2020 | 123 |
| Other Funds: Financial Narrative | 124 |
| Bond Redemption & Interest Fund: | |
| Estimated Balance Sheet, 2023 - 2022 | 125 |
| Appropriable Revenue, 2023 - 2020 | 126 |
| Reserve Claim Fund: | |
| Estimated Balance Sheet, 2023 - 2022 | 127 |
| Appropriable Revenue, 2023 - 2020 | 127 |
| Retirement Fund: | |
| Estimated Balance Sheet, 2023 - 2022 | 128 |
| Appropriable Revenue, 2023 - 2020 | 128 |

District's Flow of Funds Structure

Revenue Sources



Uses of Funds

General Operational Expenditures

Permanent Facilities
 Environmental Facilities
 Stormwater Management Projects
 Other Capital Expenditures

Principal and Interest on Bond Issues
 Payments for Claims and Damages
 Employee Pension Payments
 Stormwater Management Expenditures

Note: Working Cash can be transferred between other Working Cash Funds.

FINANCIAL NARRATIVE

FUND STRUCTURE, PURPOSE, AND ACCOUNTING BASIS

The financial structure of the Metropolitan Water Reclamation District of Greater Chicago (District) is organized on a fund accounting basis. Each statutorily authorized fund maintains a self-balancing set of accounts that are reported separately in their own financial statements. The District's use of funds ensures that public money is spent appropriately and within the amounts authorized. Established funds account for the different types of activities and legal restrictions that are associated with a particular government function. The use of funds and the budgeting, accounting, and auditing that are associated with this type of structure are governed by Illinois Compiled Statutes and Generally Accepted Accounting Principles (GAAP), as determined by the Governmental Accounting Standards Board (GASB).

The District uses the following funds to control its financial activities:

- Corporate
- Capital Improvements Bond
- Construction
- Stormwater Management
- Reserve Claim
- Corporate Working Cash
- Bond Redemption & Interest (Debt Service)
- Construction Working Cash
- Stormwater Working Cash
- Retirement

BASIS OF BUDGETING AND ACCOUNTING

The budget is prepared using a cash basis of accounting for revenue recognition and an accrual basis for recording expenditures, as prescribed by Illinois Compiled Statutes. Revenues are recognized when received in cash, and expenditures are recorded at the time the liability is incurred, except for principal and interest on long-term debt, compensated absences, claims, judgments, and arbitrage, which are recognized when due and payable.

Encumbrance accounting is used in the budgetary process for all funds. Appropriations lapse at year-end for the Corporate, Stormwater Management, Reserve Claim, Construction, Retirement, and Bond Redemption & Interest Funds. Appropriations for the Capital Improvements Bond Fund use a full encumbrance (obligation) method of budgetary accounting, which means that appropriations lapse at year-end only to the extent of the unencumbered balances. The appropriation for the Capital Improvements Bond Fund is adjusted to carry forward the open value of encumbrances from the prior year.

All the funds in the previous section are defined as governmental-type funds, except for the pension trust fund. For GAAP purposes, the governmental-type funds are accounted for on a spending or "financial flow" measurement focus using the modified accrual basis of accounting, which means that only current assets and liabilities are generally included on the balance sheets. The reported fund balances (net current assets) are considered a measure of "available spendable resources."

The Annual Comprehensive Financial Report of the District is prepared on a GAAP basis. GASB 34 became effective for the 2002 fiscal year, and the District complies with all of its provisions. The District is using the modified approach for assessing infrastructure, except for Tunnel and Reservoir Plan (stormwater) deep tunnels and drop shafts, which will be depreciated. The District uses specific accounts to record the repair or preservation of existing capital assets, in addition to the construction of new assets or enhancements of existing capital assets. Inventory is accounted for on the purchase method for budgetary purposes and on the consumption method for GAAP financial reporting.

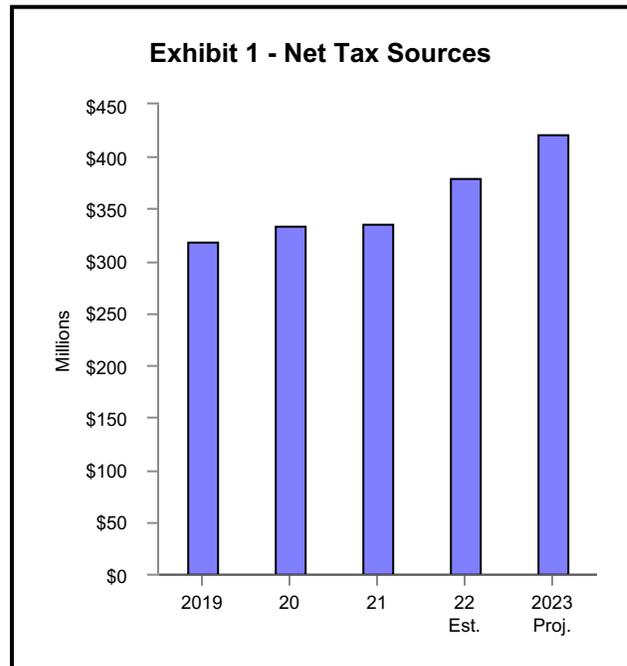
The District is a special district government created by the State of Illinois. Its powers and authority, regarding revenue sources, are generally restricted to those powers granted by applicable state statutes. The following exhibits, 1 - 5, are derived from the summary of revenue and expenditures found on pages 98 - 100 of the 2023 Budget and similar summaries in prior years' budgets. This section contains a summary of all District funds.

TAX SOURCES

The main source of revenue for the District is ad valorem property taxes. The District's 2023 property tax levy will remain flat to 2022 with the total tax levy remaining at \$679.2 million. The authority to levy property taxes for the various funds generally specifies a tax rate limit per hundred dollars of property value, which when applied, yields a maximum amount of money which can be levied or collected against property owners. All District funds, except for the District's Capital Improvements Bond Fund, derive their revenues primarily from property taxes, of which approximately 74.1 percent of the 2023 appropriation is supported by property taxes. Taxes levied in one year are collected in the next year, and Working Cash Funds for the Corporate, Construction, and Stormwater Management Funds provide temporary financing while awaiting property tax receipts. Estimated tax collections for 2023 include approximately 20.0 percent of the 2021 levy that remain uncollected as of the end of 2022 due to a delay in bill distribution from Cook County. The estimates are detailed on page 105. Net Tax Sources displayed in Exhibit 1 reflect only property tax revenue for the Corporate, Construction, and Stormwater Management Funds. The estimate for uncollectible taxes for 2023 is 3.5 percent, based on annual review of prior years' tax collections.

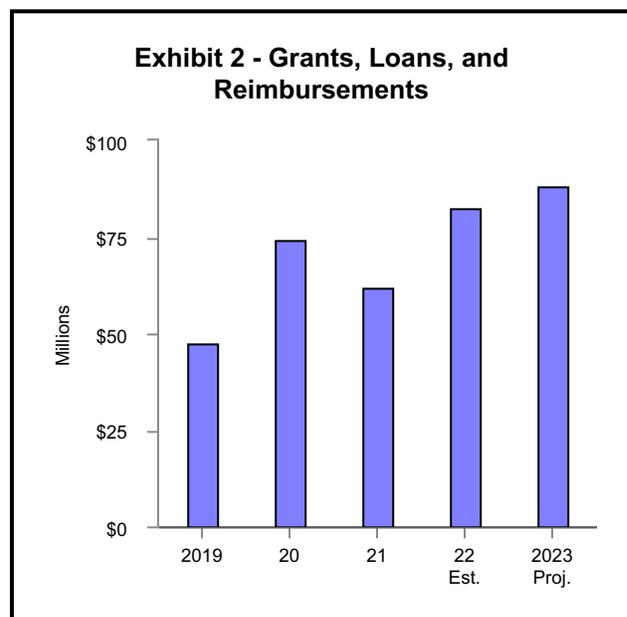
A Personal Property Replacement Tax (PPRT) provides income tax revenue from corporations, partnerships, and the invested capital of public utilities to replace the personal property taxes once received from a tax levy on personal property. PPRT revenue, received directly from the State of Illinois, is estimated at \$100.0 million for 2023, an increase of \$39.6 million from the 2022 Budget, or 65.6 percent. Beginning in 2021, PPRT, along with all corporate income taxes for the State of Illinois began to perform over expectations and have continued to perform at an elevated level.

Exhibit 1 presents revenue from net tax sources for the years 2019 - 2023. Beginning in 1995, the Illinois Tax Cap laws limit increase in property tax levies in the aggregate to the lesser of 5.0 percent or the change in the national Consumer Price Index (CPI). The 2022 CPI increase is projected to be 6.1 percent for the 2023 levies, while a 0.9 percent increase is projected for new development and newly annexed properties. The 2023 property tax levy subject to the tax cap is 1.9 percent. The Stormwater Management Fund and the payment of bond principal and interest are exempt from the tax cap extension limitations.



GRANTS, LOANS, AND REIMBURSEMENTS

Federal and state grants and loans contribute to finance the District's capital programs. For 2023, \$50.0 million in Wastewater/Stormwater State Revolving Fund (SRF) loan revenue and \$30.7 million in federal and state grants are budgeted. The District has been successful in obtaining grant funding and will continue to pursue grants for stormwater and other projects. In 2022, the District received a \$12.0 million from the Army Corps of Engineers as reimbursement for its work on the design and construction of the Thornton Composite Reservoir to be used for Midlothian Creek in Robbins and received a \$2.4 million allocation for a stormwater project on First Avenue from the Illinois Department of Transportation. In 2023, we are expecting a total of \$37.9 million in grants and reimbursements to fund capital projects. Exhibit 2 shows the grants, loans, and reimbursements for the years 2019 - 2023. The District anticipates receiving an annual allocation of up to \$50.0 million in SRF loans in each of the next four years.



BOND SALES

In April 2022, Public Act 102-0707 was signed into law, amending the District's bonding authority to allow the Board of Commissioners to consider approving issuance of Pension Obligation Bonds. The authority allows the issuance of up to \$600.0 million in bonds to decrease the unfunded liability of the pension fund, without decreasing the employer contributions required under the Illinois Pension Code. Provided the District can secure favorable interest rates, a \$250.0 million Pension Obligation Bond sale is planned for 2023 and reflected as a transfer to the Retirement Fund in the appropriation.

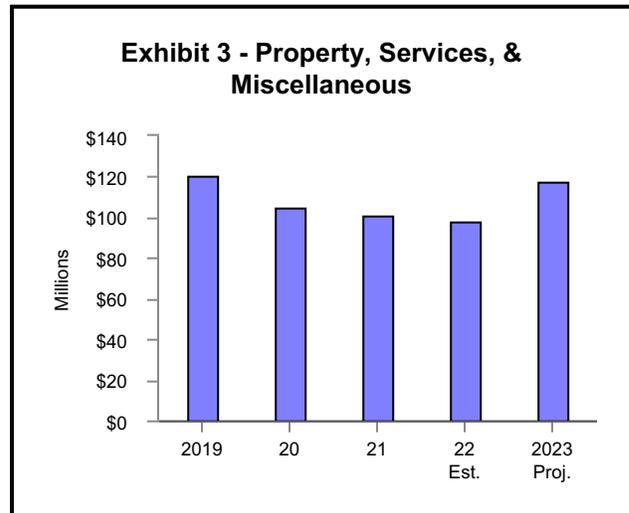
The District's Capital Program is financed primarily with SRF loans and general obligation bond sale proceeds. Bonds are used to provide necessary revenue for capital project cash flows. In 2022, the District prepaid \$43.0 million in State Revolving Fund loans at a taxpayer savings of \$12.7 million over 15 years. The District is exploring Water Infrastructure Finance and Innovation Act (WIFIA) funding for future projects to provide a lower-cost borrowing option resulting in taxpayer savings.

The Capital Funds narrative on page 114 provides a more detailed discussion. The statement of outstanding bonds and statutory debt margin on pages 75 and 76 shows the District's strong position. The Five-Year Financial Forecast on pages 82 and 90 details future bond sale projections.

PROPERTY, SERVICES, AND MISCELLANEOUS

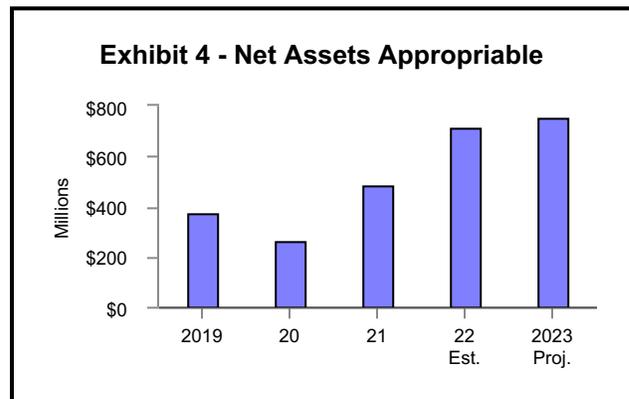
Exhibit 3 summarizes revenue from property, services, and miscellaneous items. A major revenue source is the user charge system, which imposes a surcharge above property tax payments for commercial, industrial, and tax-exempt users of the sewage systems. Estimated User Charge revenues in 2023 are \$37.0 million, a decrease of \$1 million from the 2022 budget.

Land rentals, investment income, sewer permit fees, connection impact fees, and other revenues will provide an estimated \$80.5 million in 2023. Estimates for land rental revenues are based on existing and renegotiated leases. Investment income is based on projections of cash flow and interest rates for 2023. Interest rates on short-term securities reflect current market conditions for 2023. Investments are predominately short-term in nature. Sewer permit revenue estimates are based on anticipated projects and 2022 rates. Connection impact fees were established in 1998 to require new service areas to contribute to the past investment in the District’s infrastructure.



NET ASSETS APPROPRIABLE

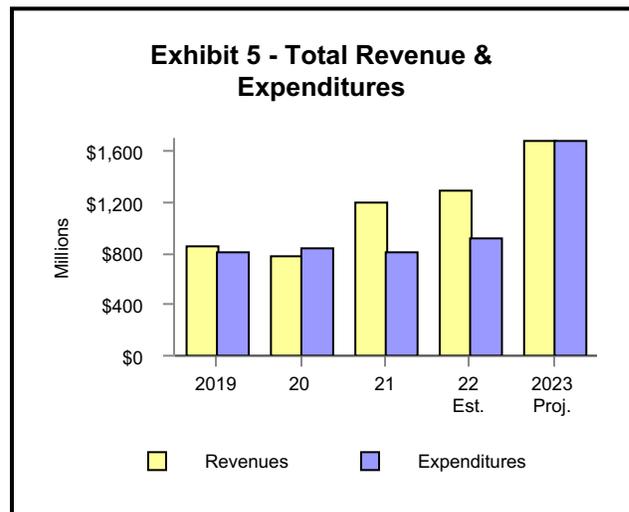
Exhibit 4 shows the trend in net assets appropriable, which is primarily impacted by bond sales, expenditures for capital projects, and the reservation of future years’ principal and interest payments in the debt service funds. Beginning in 2005, a portion of the projected Corporate Fund net assets was left unappropriated to maintain a fiscally sound fund balance. Positive results in 2020, 2021, and expected for 2022 attributed to both over performance of PPRT and delayed spending in the Corporate Fund has provided a strong budgetary reserve. Additionally, supply chain delays and contractor demand have impacted capital project expenditures in the capital project funds.



TOTAL REVENUES AND EXPENDITURES

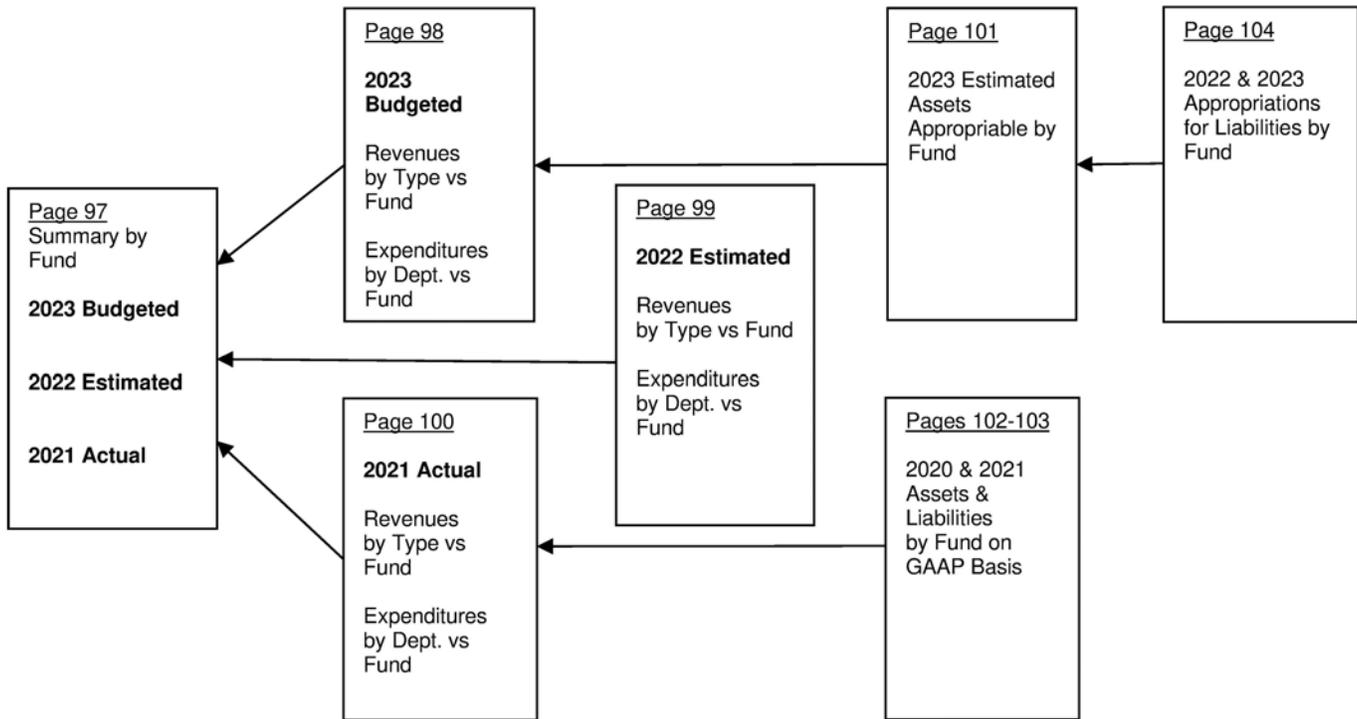
Exhibit 5 displays the relationship between revenues and expenditures. The 2023 Budget includes a \$30.0 million equity transfer from the Corporate Fund and is the result of over performance of PPRT during 2022. Within the Corporate Fund, the 2023 Budget includes capital equipment and technology replacement projects totaling \$7.5 million to match one-time revenues. However, a \$7.7 million increase in electricity and natural gas costs are projected to be recurring operational costs and are reflected in the five-year forecast.

For 2023, a portion of the Corporate Fund projected net assets will remain unappropriated to ensure a fiscally responsible fund balance.



SUMMARY FINANCIAL STATEMENTS

Summary financial statements presented on pages 97 - 100 provide comparisons of revenues and expenditures for all funds for the years 2021 - 2023. These statements provide a financial summarization by fund of the 2023 Budget as proposed, the estimated status at 2022 fiscal year-end, and the actual results of operations for fiscal year 2021. The relationships among the pages are diagrammed below.



The table of taxes receivable on page 105 provides detailed data on property tax levies and tax receipts from 2018 to 2022. In 2022, property tax collections were delayed, resulting in a 75.8 percent collection rate as of December 31, 2022. The remaining funds are expected to be received in early 2023. While 2018 through 2020 show high levels of collection, delayed refunds continue to be processed through the Property Tax Appeals Board and the Circuit Courts. Estimated refunds affecting levy years prior to 2018 are summarized.

Specific details about all revenue sources, assets, liabilities, and appropriable revenue are presented in the various funds' financial narratives and statements on pages 107 - 128.

ALL FUNDS
SUMMARY OF REVENUE, EXPENDITURES, AND NET ASSETS APPROPRIABLE (b)
2023 BUDGETED, 2022 ESTIMATED, AND 2021 ACTUAL

(In Thousands)

| | FUND | | | | | | | TOTAL |
|---|--------------|---------------------------|--------------|-----------------------|----------------|--------------------------------|-------------------|----------------|
| | CORPORATE | CAPITAL IMPROVEMENTS BOND | CONSTRUCTION | STORMWATER MANAGEMENT | RETIREMENT (d) | BOND REDEMPTION & INTEREST (d) | RESERVE CLAIM (d) | |
| 2023 BUDGETED | | | | | | | | |
| Net Assets Appropriable (b) | \$ 262,591.1 | \$ 60,288.0 | \$ 11,284.4 | \$ 62,219.2 | \$ 87,915.0 | \$ 226,603.0 | \$ 45,136.2 | \$ 756,036.9 |
| Net Assets Appropriated | \$ 50,966.9 | \$ 60,288.0 | \$ 11,284.4 | \$ 62,219.2 | \$ 87,915.0 | \$ 226,603.0 | \$ 45,136.2 | \$ 544,412.7 |
| Revenue | 424,099.1 | 314,322.9 | 40,216.0 | 66,763.2 | 279,204.5 | 11,461.8 | 878.0 | 1,136,945.5 |
| Appropriation | \$ 475,066.0 | \$ 374,610.9 | \$ 51,500.4 | \$ 128,982.4 | \$ 367,119.5 | \$ 238,064.8 | \$ 46,014.2 | \$ 1,681,358.2 |
| 2022 ESTIMATED | | | | | | | | |
| Beginning Net Assets Appropriable as adjusted (c) | \$ 191,318.3 | \$ 100,580.1 | \$ 12,953.7 | \$ 43,790.7 | \$ 88,754.0 | \$ 235,383.9 | \$ 41,691.8 | \$ 714,472.5 |
| Revenue | 370,824.8 | 36,789.6 | 6,771.3 | 61,772.1 | 30,000.0 | 45,761.8 | 216.3 | 552,135.9 |
| Adjustment for 2022 receipts (a) | 44,395.0 | — | (1,395.5) | (10,193.8) | — | — | — | 32,805.7 |
| Expenditures | (382,098.9) | (77,081.7) | (7,506.1) | (42,715.9) | (118,754.0) | (281,145.7) | (5,500.0) | (914,802.3) |
| Ending Net Assets Appropriable | \$ 224,439.2 | \$ 60,288.0 | \$ 10,823.3 | \$ 52,653.1 | \$ — | \$ — | \$ 36,408.1 | \$ 384,611.7 |
| 2021 ACTUAL | | | | | | | | |
| Beginning Net Assets Appropriable as adjusted (c) | \$ 138,788.0 | \$ (65,741.8) | \$ 13,513.4 | \$ 42,280.0 | \$ 88,127.0 | \$ 226,100.1 | \$ 40,307.2 | \$ 483,373.9 |
| Revenue | 408,645.8 | 248,180.0 | 6,644.0 | 46,254.1 | — | 6,025.8 | 90.5 | 715,840.2 |
| Expenditures | (356,115.4) | (81,858.1) | (7,203.7) | (44,743.4) | (88,127.0) | (232,125.9) | (4,276.3) | (814,449.8) |
| Ending Net Assets Appropriable | \$ 191,318.3 | \$ 100,580.1 | \$ 12,953.7 | \$ 43,790.7 | \$ — | \$ — | \$ 36,121.4 | \$ 384,764.2 |
| Adjusted NAA 1/1/2022 | \$ 235,713.4 | | \$ 11,558.1 | \$ 33,596.9 | | | | |
| Adjustment (a) | \$ 44,395.0 | | \$ (1,395.5) | \$ (10,193.8) | | | | |

(a) Adjustment to NAA required due to current 2022 estimate on collection of property tax levies and PPRT. See the Balance Sheets and Appropriable Revenue statements 01/01/2022 for the Corporate (pages 110 - 111), Construction (pages 118 - 119), and Stormwater Management (pages 121 - 122) Funds. The adjustment is reflected in the 2022 revenues.

(b) This statement is a summary presentation of pages 93 - 95, separating current revenue and NAA from the revenue category. 2023 Net Assets Appropriable includes prior year uncollected property taxes.

(c) Ending NAA for one year are revised for accounting adjustments, equity transfers, and changes in the amount of designations to establish beginning net assets for the next year.

(d) Revenue for the Retirement, Bond Redemption & Interest, and Reserve Claim Funds does not include the current year tax levies, which are reflected in the next year's NAA.

**ALL FUNDS
SUMMARY OF REVENUE AND EXPENDITURES
2023 BUDGETED**

(In Thousands)

| | FUND | | | | | | | |
|---|---------------------|----------------------------|--------------------|-----------------------|---------------------|----------------------------|--------------------|-----------------------|
| | CORPORATE | CAPITAL IMPROVEMENTS BOND* | CONSTRUCTION | STORMWATER MANAGEMENT | RETIREMENT | BOND REDEMPTION & INTEREST | RESERVE CLAIM | TOTAL |
| REVENUE | | | | | | | | |
| Net Assets Appropriable (a) | \$ 262,591.1 | \$ 60,288.0 | \$ 11,284.4 | \$ 62,219.2 | \$ 87,915.0 | \$ 226,603.0 | \$ 45,136.2 | \$ 756,036.9 |
| Reserve for Transfer to Retirement Fund | (30,000.0) | — | — | — | 30,000.0 | — | — | — |
| Budget Reserve | (181,624.2) | — | — | — | — | — | — | (181,624.2) |
| Net Property Taxes | 282,648.5 | — | 6,755.0 | 50,662.5 | — | — | — | 340,066.0 |
| Personal Property Replacement Tax | 56,925.4 | — | 25,000.0 | — | — | — | — | 81,925.4 |
| Working Cash Borrowings Adjustment | (7,239.8) | — | (1,355.0) | (787.5) | — | — | — | (9,382.3) |
| Bond Sales (Present & Future) | — | 239,673.9 | — | — | 249,204.5 | — | — | 488,878.4 |
| Reimbursements | — | — | — | 7,200.0 | — | — | — | 7,200.0 |
| Grants (Federal & State) | 1,575.0 | 12,000.0 | — | 17,154.0 | — | — | — | 30,729.0 |
| Investment Income | 6,090.0 | 10,649.0 | 306.0 | 965.0 | — | 1,931.0 | 878.0 | 20,819.0 |
| State Revolving Fund Loans | — | 50,000.0 | — | — | — | — | — | 50,000.0 |
| Property & Services | 28,000.0 | — | — | 1,100.0 | — | — | — | 29,100.0 |
| User Charge | 37,000.0 | — | — | — | — | — | — | 37,000.0 |
| TIF Differential Fee & Impact Fee | 12,500.0 | — | 9,500.0 | — | — | — | — | 22,000.0 |
| Equity Transfer for Stormwater Bond Payment | — | — | — | (9,530.8) | — | 9,530.8 | — | — |
| Equity Transfer | — | — | — | — | — | — | — | — |
| Resource Recovery | 500.0 | — | — | — | — | — | — | 500.0 |
| Miscellaneous | 6,100.0 | 2,000.0 | 10.0 | — | — | — | — | 8,110.0 |
| TOTAL REVENUE | \$ 475,066.0 | \$ 374,610.9 | \$ 51,500.4 | \$ 128,982.4 | \$ 367,119.5 | \$ 238,064.8 | \$ 46,014.2 | \$ 1,681,358.2 |
| EXPENDITURES | | | | | | | | |
| Board of Commissioners | \$ 5,904.3 | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 5,904.3 |
| General Administration | 23,448.9 | — | — | — | — | — | — | 23,448.9 |
| Monitoring & Research | 35,659.9 | — | — | — | — | — | — | 35,659.9 |
| Procurement & Materials Mgmt. | 11,817.3 | — | — | — | — | — | — | 11,817.3 |
| Human Resources | 67,607.3 | — | — | — | — | — | — | 67,607.3 |
| Information Technology | 22,895.5 | — | — | — | — | — | — | 22,895.5 |
| Law | 8,640.7 | — | — | — | — | — | — | 8,640.7 |
| Finance | 4,221.7 | — | — | — | — | — | — | 4,221.7 |
| Engineering | 30,659.3 | 374,610.9 | 51,500.4 | — | — | — | — | 456,770.6 |
| Maintenance & Operations | 264,211.1 | — | — | — | — | — | — | 264,211.1 |
| Stormwater Management Fund | — | — | — | 128,982.4 | — | — | — | 128,982.4 |
| Retirement Fund** | — | — | — | — | 367,119.5 | — | — | 367,119.5 |
| Bond Redemption & Interest Fund | — | — | — | — | — | 238,064.8 | — | 238,064.8 |
| Reserve Claim Fund | — | — | — | — | — | — | 46,014.2 | 46,014.2 |
| TOTAL EXPENDITURES | \$ 475,066.0 | \$ 374,610.9 | \$ 51,500.4 | \$ 128,982.4 | \$ 367,119.5 | \$ 238,064.8 | \$ 46,014.2 | \$ 1,681,358.2 |

(a) 2023 Net Assets Appropriable includes prior year uncollected property taxes.

* The Capital Improvements Bond Fund is budgeted on an "obligation" basis, which records expenditures in the year in which the contracts are awarded.

** Retirement Fund appropriation includes a \$250 million transfer of Pension Obligation Bond Proceeds.

**ALL FUNDS
SUMMARY OF REVENUE AND EXPENDITURES
2022 ESTIMATED**

(In Thousands)

| | FUND | | | | | | | TOTAL |
|---|---------------------|----------------------------|--------------------|-----------------------|---------------------|----------------------------|--------------------|-----------------------|
| | CORPORATE | CAPITAL IMPROVEMENTS BOND* | CONSTRUCTION | STORMWATER MANAGEMENT | RETIREMENT | BOND REDEMPTION & INTEREST | RESERVE CLAIM | |
| REVENUE | | | | | | | | |
| Net Assets Appropriable | \$ 191,318.3 | \$ 100,580.1 | \$ 12,953.7 | \$ 43,790.7 | \$ 88,754.0 | \$ 235,383.9 | \$ 41,691.8 | \$ 714,472.5 |
| Reserve for Transfer to Retirement Fund | (30,000.0) | | | | 30,000.0 | | | — |
| Adjustment for Receipts | 44,395.0 | — | (1,395.5) | (10,193.8) | — | — | — | 32,805.7 |
| Net Property Taxes | 274,542.5 | — | 6,755.0 | 55,898.6 | — | — | — | 337,196.1 |
| Personal Property Replacement Tax | 42,000.0 | — | — | — | — | — | — | 42,000.0 |
| Working Cash Borrowings Adjustment | (6,342.5) | — | (55.0) | (898.6) | — | — | — | (7,296.1) |
| Reimbursements | — | — | — | 12,000.0 | — | — | — | 12,000.0 |
| Grants (Federal & State) | 210.0 | 13,000.0 | — | 2,396.0 | — | — | — | 15,606.0 |
| Investment Income | 1,950.0 | 2,755.0 | 69.0 | 244.0 | — | 626.0 | 216.0 | 5,860.0 |
| State Revolving Fund Loans | — | 55,000.0 | — | — | — | — | — | 55,000.0 |
| Property & Services | 28,376.8 | — | — | 1,300.0 | — | — | — | 29,676.8 |
| User Charge | 38,000.0 | — | — | — | — | — | — | 38,000.0 |
| TIF Differential Fee & Impact Fee | 15,500.0 | — | — | — | — | — | — | 15,500.0 |
| Equity Transfer for Stormwater Bond Payment | — | — | — | (9,168.4) | — | 9,168.4 | — | — |
| Equity Transfer to Bond & Interest Fund | — | (35,965.4) | — | — | — | 35,965.4 | — | — |
| Resource Recovery | 500.0 | — | — | — | — | — | — | 500.0 |
| Miscellaneous | 6,088.0 | 2,000.0 | 2.3 | 0.5 | — | 2.0 | 0.3 | 8,093.1 |
| TOTAL REVENUE | \$ 606,538.1 | \$ 137,369.7 | \$ 18,329.5 | \$ 95,369.0 | \$ 118,754.0 | \$ 281,145.7 | \$ 41,908.1 | \$ 1,299,414.1 |
| EXPENDITURES | | | | | | | | |
| Board of Commissioners | \$ 4,494.9 | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 4,494.9 |
| General Administration | 17,705.0 | — | — | — | — | — | — | 17,705.0 |
| Monitoring & Research | 30,835.7 | — | — | — | — | — | — | 30,835.7 |
| Procurement & Materials Mgmt. | 9,633.4 | — | — | — | — | — | — | 9,633.4 |
| Human Resources | 59,009.7 | — | — | — | — | — | — | 59,009.7 |
| Information Technology | 18,018.4 | — | — | — | — | — | — | 18,018.4 |
| Law | 7,027.5 | — | — | — | — | — | — | 7,027.5 |
| Finance | 3,674.0 | — | — | — | — | — | — | 3,674.0 |
| Engineering | 23,059.2 | 77,081.7 | 7,506.1 | — | — | — | — | 107,647.0 |
| Maintenance & Operations | 208,641.1 | — | — | — | — | — | — | 208,641.1 |
| Stormwater Management Fund | — | — | — | 42,715.9 | — | — | — | 42,715.9 |
| Retirement Fund | — | — | — | — | 118,754.0 | — | — | 118,754.0 |
| Bond Redemption & Interest Fund | — | — | — | — | — | 281,145.7 | — | 281,145.7 |
| Reserve Claim Fund | — | — | — | — | — | — | 5,500.0 | 5,500.0 |
| TOTAL EXPENDITURES | \$ 382,098.9 | \$ 77,081.7 | \$ 7,506.1 | \$ 42,715.9 | \$ 118,754.0 | \$ 281,145.7 | \$ 5,500.0 | \$ 914,802.3 |

* The Capital Improvements Bond Fund is budgeted on an "obligation" basis, which records expenditures in the period in which the contracts or grants are awarded.

**ALL FUNDS
SUMMARY OF REVENUE AND EXPENDITURES
2021 ACTUAL**

(In Thousands)

| | FUND | | | | | | | TOTAL |
|---|---------------------|----------------------------|--------------------|-----------------------|--------------------|----------------------------|--------------------|-----------------------|
| | CORPORATE | CAPITAL IMPROVEMENTS BOND* | CONSTRUCTION | STORMWATER MANAGEMENT | RETIREMENT | BOND REDEMPTION & INTEREST | RESERVE CLAIM | |
| REVENUE | | | | | | | | |
| Net Assets Appropriable | \$ 138,788.0 | \$ (65,741.8) | \$ 13,513.4 | \$ 42,280.0 | \$ 88,127.0 | \$ 226,100.1 | \$ 40,307.2 | \$ 483,373.9 |
| Adjustment for Receipts | 39,937.0 | — | (66.2) | 810.1 | — | — | — | 40,680.9 |
| Net Property Taxes | 261,400.1 | — | 6,755.0 | 51,073.6 | — | — | — | 319,228.7 |
| Personal Property Replacement Tax | 16,000.0 | — | — | — | — | — | — | 16,000.0 |
| Working Cash Borrowings Adjustment | (4,900.1) | — | (55.0) | (773.6) | — | — | — | (5,728.7) |
| Bond Sales | — | 182,782.4 | — | — | — | — | — | 182,782.4 |
| Reimbursements | — | — | — | — | — | — | — | — |
| Grants (Federal & State) | 543.1 | 11,639.4 | — | — | — | — | — | 12,182.5 |
| Investment Income | 859.7 | 1,393.0 | 10.1 | 24.0 | — | 61.4 | 90.3 | 2,438.5 |
| State Revolving Fund Loans | — | 49,904.2 | — | — | — | — | — | 49,904.2 |
| Property & Services | 28,210.7 | — | — | 969.3 | — | — | — | 29,180.0 |
| User Charge | 41,211.3 | — | — | — | — | — | — | 41,211.3 |
| TIF Differential Fee & Impact Fee | 18,125.5 | — | — | — | — | — | — | 18,125.5 |
| Equity Transfer for Stormwater Bond Payment | — | — | — | (5,961.2) | — | 5,961.2 | — | — |
| Equity Transfer to Retirement Fund | — | — | — | — | — | — | — | — |
| Resource Recovery | 321.0 | — | — | — | — | — | — | 321.0 |
| Miscellaneous | 6,937.5 | 2,461.0 | 0.1 | 111.9 | — | 3.2 | 0.2 | 9,513.9 |
| TOTAL REVENUE | \$ 547,433.8 | \$ 182,438.2 | \$ 20,157.4 | \$ 88,534.1 | \$ 88,127.0 | \$ 232,125.9 | \$ 40,397.7 | \$ 1,199,214.1 |
| EXPENDITURES | | | | | | | | |
| Board of Commissioners | \$ 4,249.0 | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 4,249.0 |
| General Administration | 17,071.9 | — | — | — | — | — | — | 17,071.9 |
| Monitoring & Research | 29,781.0 | — | — | — | — | — | — | 29,781.0 |
| Procurement & Materials Mgmt. | 8,684.5 | — | — | — | — | — | — | 8,684.5 |
| Human Resources | 54,116.4 | — | — | — | — | — | — | 54,116.4 |
| Information Technology | 15,855.5 | — | — | — | — | — | — | 15,855.5 |
| Law | 6,440.7 | — | — | — | — | — | — | 6,440.7 |
| Finance | 3,330.5 | — | — | — | — | — | — | 3,330.5 |
| Engineering | 22,672.1 | 81,858.1 | 7,203.7 | — | — | — | — | 111,733.9 |
| Maintenance & Operations | 193,914.0 | — | — | — | — | — | — | 193,914.0 |
| Stormwater Management Fund | — | — | — | 44,743.4 | — | — | — | 44,743.4 |
| Retirement Fund | — | — | — | — | 88,127.0 | — | — | 88,127.0 |
| Bond Redemption & Interest Fund | — | — | — | — | — | 232,125.9 | — | 232,125.9 |
| Reserve Claim Fund | — | — | — | — | — | — | 4,276.3 | 4,276.3 |
| TOTAL EXPENDITURES | \$ 356,115.4 | \$ 81,858.1 | \$ 7,203.7 | \$ 44,743.4 | \$ 88,127.0 | \$ 232,125.9 | \$ 4,276.3 | \$ 814,449.8 |

* The Capital Improvements Bond Fund is budgeted on an "obligation" basis which records expenditures in the period in which the contracts or grants are awarded.

SUMMARY OF ESTIMATED ASSETS APPROPRIABLE FOR THE CORPORATE, CAPITAL IMPROVEMENTS BOND, RETIREMENT, CONSTRUCTION, STORMWATER MANAGEMENT, BOND REDEMPTION & INTEREST, AND RESERVE CLAIM FUNDS FOR THE YEAR 2023

| DESCRIPTION | FUND | | | | | | | |
|--|-----------------------|---------------------------|----------------------|-----------------------|----------------------|----------------------------|----------------------|-------------------------|
| | CORPORATE | CAPITAL IMPROVEMENTS BOND | CONSTRUCTION | STORMWATER MANAGEMENT | RETIREMENT | BOND REDEMPTION & INTEREST | RESERVE CLAIM | TOTAL |
| 2023 Revenue | \$ 424,099,100 | \$ 314,322,876 | \$ 40,216,000 | \$ 76,294,000 | \$249,204,500 | \$ 1,931,000 | \$ 878,000 | \$ 1,106,945,476 |
| Resources Available at 01/01/2023 (a) | 600,591,912 | 369,688,024 | 20,856,719 | 121,695,929 | 87,915,000 | 332,312,320 | 45,411,200 | 1,578,471,104 |
| Total Resources | \$1,024,691,012 | \$ 684,010,900 | \$ 61,072,719 | \$ 197,989,929 | \$337,119,500 | \$334,243,320 | \$ 46,289,200 | \$ 2,685,416,580 |
| Liabilities and Designations at 01/01/2023 | (338,000,846) | (309,400,000) | (9,572,319) | (59,476,729) | — | (105,709,337)* | (275,000) | (822,434,231) |
| Equity Transfer | (30,000,000) | — | — | (9,530,800) | 30,000,000 | 9,530,800 | — | — |
| Budget Reserve | (181,624,166) | — | — | — | — | — | — | (181,624,166) |
| ASSETS APPROPRIABLE | \$ 475,066,000 | \$ 374,610,900 | \$ 51,500,400 | \$ 128,982,400 | \$367,119,500 | \$238,064,783 | \$ 46,014,200 | \$ 1,681,358,183 |

* Liabilities for the Bond Redemption & Interest Fund are for future Years' Principal and Interest.
(a) Resources Available includes prior year uncollected property taxes.

GAAP Basis Statement From 2021 Annual Comprehensive Financial Report - Exhibit A-1
Governmental Funds Balance Sheets / Statements of Net Assets

December 31, 2021 (with comparative amounts for prior year)

Metropolitan Water Reclamation District of Greater Chicago

(in thousands of dollars)

| | General Corporate Fund | | Debt Service Fund | | Capital Improvement Bond Funds | |
|---|------------------------|------------|-------------------|------------|--------------------------------|------------|
| | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| Assets and deferred outflows of resources | | | | | | |
| Assets: | | | | | | |
| Cash | \$ 147,976 | \$ 28,707 | \$ 1,337 | \$ 1,636 | \$ 57,880 | \$ 42,472 |
| Certificates of deposit | 16,883 | 55,650 | 5,000 | — | 10,310 | 305 |
| Investments (note 4) | 159,460 | 178,467 | 89,856 | 89,659 | 325,587 | 181,430 |
| Prepaid expenses | 6,766 | 6,089 | — | — | — | — |
| Taxes receivable, net (note 5) | 268,638 | 264,366 | 231,933 | 230,821 | — | — |
| Other receivables, net (note 5) | 1,586 | 4,189 | 15 | — | 3,752 | 24,636 |
| Due from other funds (note 12) | 351 | 298 | — | — | — | — |
| Restricted deposits | 480 | 458 | — | — | 31,790 | 32,137 |
| Inventories | 34,141 | 36,143 | — | — | — | — |
| Capital assets not being depreciated/amortized (note 6) | — | — | — | — | — | — |
| Capital assets being depreciated/amortized, net (note 6) | — | — | — | — | — | — |
| Total assets | 636,281 | 574,367 | 328,141 | 322,116 | 429,319 | 280,980 |
| Deferred outflows of resources: | | | | | | |
| Loss on prior debt refunding | — | — | — | — | — | — |
| Deferred outflows for pension and OPEB related amounts | — | — | — | — | — | — |
| Total deferred outflows of resources | — | — | — | — | — | — |
| Total assets and deferred outflows of resources | \$ 636,281 | \$ 574,367 | \$ 328,141 | \$ 322,116 | \$ 429,319 | \$ 280,980 |
| Liabilities, deferred inflows of resources, and fund balances/net position | | | | | | |
| Liabilities: | | | | | | |
| Accounts payable and other liabilities (note 5) | \$ 34,781 | \$ 27,826 | \$ — | \$ — | \$ 17,700 | \$ 26,884 |
| Due to Pension Trust Fund (note 12) | — | — | — | — | — | — |
| Due to other funds (note 12) | — | — | — | — | — | — |
| Accrued interest payable | — | — | — | — | — | — |
| Unearned Revenue (note 5) | 10,280 | 8,807 | — | — | 31,790 | 32,137 |
| Long-term liabilities: (note 11) | | | | | | |
| Due within one year | — | — | — | — | — | — |
| Due in more than one year | — | — | — | — | — | — |
| Total liabilities | 45,061 | 36,633 | — | — | 49,490 | 59,021 |
| Deferred inflows of resources: | | | | | | |
| Unavailable tax revenue (note 5) | 229,165 | 239,241 | 197,833 | 208,855 | — | — |
| Other unavailable revenue (note 5) | — | — | — | — | 953 | 953 |
| Deferred inflows for pension and OPEB related amounts | — | — | — | — | — | — |
| Total deferred inflows of resources | 229,165 | 239,241 | 197,833 | 208,855 | 953 | 953 |
| Fund balances: | | | | | | |
| Nonspendable: | | | | | | |
| Prepaid insurance | 6,766 | 6,089 | — | — | — | — |
| Inventories | 34,141 | 36,143 | — | — | — | — |
| Restricted for: | | | | | | |
| Deposits | 480 | 458 | — | — | — | — |
| Working cash | 279,816 | 279,364 | — | — | — | — |
| Reserve claims | 37,976 | 34,576 | — | — | — | — |
| Debt service | — | — | 130,308 | 113,261 | — | — |
| Capital projects | — | — | — | — | 196,416 | 61,924 |
| Assigned | — | — | — | — | 182,460 | 159,082 |
| Unassigned (Deficit) | 2,876 | (58,137) | — | — | — | — |
| Total fund balances | 362,055 | 298,493 | 130,308 | 113,261 | 378,876 | 221,006 |
| Total liabilities, deferred inflows, and fund balances | \$ 636,281 | \$ 574,367 | \$ 328,141 | \$ 322,116 | \$ 429,319 | \$ 280,980 |
| Net position: | | | | | | |
| Net investment in capital assets | | | | | | |
| Restricted for corporate working cash | | | | | | |
| Restricted for reserve claim | | | | | | |
| Restricted for debt service | | | | | | |
| Restricted for capital projects | | | | | | |
| Restricted for construction working cash | | | | | | |
| Restricted for stormwater working cash | | | | | | |
| Unrestricted (Deficit) | | | | | | |
| Total net position | | | | | | |

See accompanying notes to the basic financial statements.

| Retirement Fund | | Other Governmental / Nonmajor Funds | | Total Governmental Funds | | Adjustments (Note 2a) | | Statements of Net Position | |
|--|-----------|-------------------------------------|------------|--------------------------|--------------|-----------------------|--------------|----------------------------|--------------|
| 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| \$ — | \$ — | \$ 9,729 | \$ 3,210 | \$ 216,922 | \$ 76,025 | \$ — | \$ — | \$ 216,922 | \$ 76,025 |
| — | — | 10,310 | 11,026 | 42,503 | 66,981 | — | — | 42,503 | 66,981 |
| — | — | 63,276 | 66,679 | 638,179 | 516,235 | — | — | 638,179 | 516,235 |
| — | — | 4 | — | 6,770 | 6,089 | — | — | 6,770 | 6,089 |
| 84,313 | 76,719 | 57,829 | 55,836 | 642,713 | 627,742 | — | — | 642,713 | 627,742 |
| — | — | 746 | 746 | 6,099 | 29,571 | — | — | 6,099 | 29,571 |
| — | — | — | — | 351 | 298 | (351) | (298) | — | — |
| — | — | — | — | 32,270 | 32,595 | — | — | 32,270 | 32,595 |
| — | — | — | — | 34,141 | 36,143 | — | — | 34,141 | 36,143 |
| — | — | — | — | — | — | 6,159,713 | 6,103,652 | 6,159,713 | 6,103,652 |
| — | — | — | — | — | — | 1,634,373 | 1,647,786 | 1,634,373 | 1,647,786 |
| 84,313 | 76,719 | 141,894 | 137,497 | 1,619,948 | 1,391,679 | 7,793,735 | 7,751,140 | 9,413,683 | 9,142,819 |
| — | — | — | — | — | — | 3 | 3,318 | 3 | 3,318 |
| — | — | — | — | — | — | 150,133 | 326,512 | 150,133 | 326,512 |
| — | — | — | — | — | — | 150,136 | 329,830 | 150,136 | 329,830 |
| \$ 84,313 | \$ 76,719 | \$ 141,894 | \$ 137,497 | \$ 1,619,948 | \$ 1,391,679 | \$ 7,943,871 | \$ 8,080,970 | \$ 9,563,819 | \$ 9,472,649 |
| \$ — | \$ — | \$ 10,529 | \$ 9,127 | \$ 63,010 | \$ 63,837 | \$ — | \$ — | \$ 63,010 | \$ 63,837 |
| 24,436 | 13,648 | — | — | 24,436 | 13,648 | 64,368 | 94,204 | 88,804 | 107,852 |
| — | — | 351 | 298 | 351 | 298 | (351) | (298) | — | — |
| — | — | — | — | — | — | 16,302 | 16,473 | 16,302 | 16,473 |
| — | — | — | — | 42,070 | 40,944 | — | — | 42,070 | 40,944 |
| — | — | — | — | — | — | 224,640 | 76,891 | 224,640 | 76,891 |
| — | — | — | — | — | — | 4,014,100 | 4,135,261 | 4,014,100 | 4,135,261 |
| 24,436 | 13,648 | 10,880 | 9,425 | 129,867 | 118,727 | 4,319,059 | 4,322,531 | 4,448,926 | 4,441,258 |
| 59,877 | 63,071 | 49,324 | 50,518 | 536,199 | 561,685 | (536,199) | (561,685) | — | — |
| — | — | — | — | 953 | 953 | (953) | (953) | — | — |
| — | — | — | — | — | — | 75,307 | 206,039 | 75,307 | 206,039 |
| 59,877 | 63,071 | 49,324 | 50,518 | 537,152 | 562,638 | (461,845) | (356,599) | 75,307 | 206,039 |
| — | — | 4 | — | 6,770 | 6,089 | (6,770) | (6,089) | — | — |
| — | — | — | — | 34,141 | 36,143 | (34,141) | (36,143) | — | — |
| — | — | — | — | 480 | 458 | (480) | (458) | — | — |
| — | — | 59,090 | 59,096 | 338,906 | 338,460 | (338,906) | (338,460) | — | — |
| — | — | — | — | 37,976 | 34,576 | (37,976) | (34,576) | — | — |
| — | — | — | — | 130,308 | 113,261 | (130,308) | (113,261) | — | — |
| — | — | 22,596 | 18,458 | 219,012 | 80,382 | (219,012) | (80,382) | — | — |
| — | — | — | — | 182,460 | 159,082 | (182,460) | (159,082) | — | — |
| — | — | — | — | 2,876 | (58,137) | (2,876) | 58,137 | — | — |
| — | — | 81,690 | 77,554 | 952,929 | 710,314 | (952,929) | (710,314) | — | — |
| \$ 84,313 | \$ 76,719 | \$ 141,894 | \$ 137,497 | \$ 1,619,948 | \$ 1,391,679 | | | | |
| Net position: | | | | | | | | | |
| Net investment in capital assets | | | | | | 5,155,815 | 5,035,623 | 5,155,815 | 5,035,623 |
| Restricted for corporate working cash | | | | | | 279,816 | 279,364 | 279,816 | 279,364 |
| Restricted for reserve claim | | | | | | 25,122 | 15,227 | 25,122 | 15,227 |
| Restricted for debt service | | | | | | 311,839 | 305,643 | 311,839 | 305,643 |
| Restricted for capital projects | | | | | | 57,976 | 66,728 | 57,976 | 66,728 |
| Restricted for construction working cash | | | | | | 21,943 | 21,960 | 21,943 | 21,960 |
| Restricted for stormwater working cash | | | | | | 37,147 | 37,136 | 37,147 | 37,136 |
| Unrestricted (Deficit) | | | | | | (850,072) | (936,329) | (850,072) | (936,329) |
| Total net position | | | | | | \$ 5,039,586 | \$ 4,825,352 | \$ 5,039,586 | \$ 4,825,352 |

Notes reference the 2021 Annual Comprehensive Financial Report of the District - Available on the internet at www.mwrdd.org

APPROPRIATION FOR LIABILITIES - BY FUND
JANUARY 1, 2023 AND 2022

| CORPORATE FUND | 2023 | 2022 |
|--|-----------------------|-----------------------|
| Unpaid Bills: | | |
| Accrued Salaries & Wages | \$ 7,675,000 | \$ 2,242,000 |
| Security & Bid Deposits | 400,000 | 1,900,000 |
| Payroll Withholding & Miscellaneous | 867,000 | 600,000 |
| Contractual Services | 18,858,846 | 2,472,232 |
| Due to Corporate Working Cash Fund | 310,200,000 | 272,000,000 |
| Total Liabilities of Corporate Fund | \$ 338,000,846 | \$ 279,214,232 |
| CONSTRUCTION FUND | | |
| Unpaid Bills: | | |
| Contracts Payable | \$ 2,572,319 | \$ 1,472,200 |
| Contractual Services | 300,000 | 500,000 |
| Due to Construction Working Cash Fund | 6,700,000 | 6,700,000 |
| Total Liabilities of Construction Fund | \$ 9,572,319 | \$ 8,672,200 |
| CAPITAL IMPROVEMENTS BOND FUND | | |
| Unpaid Bills: | | |
| Contractual Services | \$ 5,600,000 | \$ — |
| Contracts Payable | 165,000,000 | 164,440,900 |
| Total Liabilities of Capital Improvements Bond Fund | \$ 170,600,000 | \$ 164,440,900 |
| RESERVE CLAIM FUND | | |
| Accounts Payable & Other Liabilities | \$ 275,000 | \$ 275,000 |
| BOND REDEMPTION & INTEREST FUND | | |
| Future Payment of Principal & Interest | \$ 105,709,337 | \$ 97,811,141 |
| STORMWATER MANAGEMENT FUND | | |
| Accrued Salaries & Wages | \$ 371,000 | \$ — |
| Vouchers Payable | 3,605,729 | 500,048 |
| Contracts Payable | 500,000 | 1,300,000 |
| Due to Stormwater Working Cash Fund | 55,000,000 | 50,300,000 |
| Total Liabilities of Stormwater Management Fund | \$ 59,476,729 | \$ 52,100,048 |
| TOTAL LIABILITIES JANUARY 1, 2023 AND 2022 | \$ 683,634,231 | \$ 602,513,521 |

**STATEMENT OF TAXES RECEIVABLE FOR 2022 AND PRIOR YEARS AT JANUARY 1, 2023
INCLUDING THE ESTIMATED COLLECTIONS FOR THE YEAR 2023**

| YEAR FUND | TAX EXTENSION | COLLECTED THRU 12/31/22 | % | UNCOLLECTED AT 12/31/22 | RESERVE \$ | % | ESTIMATED NET TAXES RECEIVABLE | CASH ESTIMATED IN 2023 | |
|-------------------------------|----------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|--------------------------------|------------------------|-----------------------|
| 2022 | Corporate | \$ 284,500,000 | \$ — | — % | \$ 284,500,000 | \$ 9,957,500 | 3.5 % | \$ 274,542,500 | \$ 274,542,500 |
| | Bond Redemption & Interest | 250,263,870 | — | — % | 250,263,870 | 8,759,235 | 3.5 % | 241,504,635 | 244,007,273 |
| | Retirement | 72,053,900 | — | — % | 72,053,900 | 2,521,887 | 3.5 % | 69,532,000 | 69,532,000 |
| | Construction | 7,000,000 | — | — % | 7,000,000 | 245,000 | 3.5 % | 6,755,000 | 6,825,000 |
| | Stormwater Management | 57,926,000 | — | — % | 57,926,000 | 2,027,410 | 3.5 % | 55,898,590 | 56,477,850 |
| | Reserve Claim | 7,500,000 | — | — % | 7,500,000 | 262,500 | 3.5 % | 7,237,500 | 7,312,500 |
| | Total | \$ 679,243,770 | \$ — | — % | \$ 679,243,770 | \$ 23,773,532 | 3.5 % | \$ 655,470,225 | \$ 658,697,123 |
| 2021 | Corporate | \$ 271,795,968 | \$ 211,583,238 | 77.84634 % | \$ 60,212,730 | \$ 9,512,859 | 3.5 % | \$ 50,699,871 | \$ 50,192,872 |
| | Bond Redemption & Interest | 240,363,187 | 182,133,702 | 75.77437 % | 58,229,485 | 8,412,712 | 3.5 % | 49,816,774 | 49,318,606 |
| | Retirement | 72,741,500 | 55,118,160 | 75.77264 % | 17,623,340 | 2,545,953 | 3.5 % | 15,077,388 | 14,926,614 |
| | Construction | 7,000,000 | 5,304,458 | 75.77796 % | 1,695,542 | 245,000 | 3.5 % | 1,450,542 | 1,436,037 |
| | Stormwater Management | 52,926,000 | 40,106,246 | 75.77796 % | 12,819,754 | 1,852,410 | 3.5 % | 10,967,344 | 10,857,671 |
| | Reserve Claim | 7,500,000 | 5,683,347 | 75.77796 % | 1,816,653 | 262,500 | 3.5 % | 1,554,153 | 1,538,611 |
| | Levy Adjust. PA 102-0519 | 7,540,018 | — | — % | 7,540,018 | 263,901 | 3.5 % | 7,276,117 | 7,203,356 |
| | Total | \$ 659,866,673 | \$ 499,929,150 | 75.76214 % | \$ 159,937,523 | \$ 23,095,334 | 3.5 % | \$ 136,842,189 | \$ 135,473,767 |
| 2020 | Corporate | \$ 267,128,027 | \$ 263,388,235 | 98.6 % | \$ 3,739,792 | \$ 9,349,481 | 3.5 % | \$ — | \$ (1,869,896) |
| | Bond Redemption & Interest | 239,216,641 | 235,867,608 | 98.6 % | 3,349,033 | 8,372,582 | 3.5 % | — | (1,674,516) |
| | Retirement | 72,227,600 | 69,699,634 | 96.5 % | 2,527,966 | 2,527,966 | 3.5 % | — | — |
| | Construction | 7,000,000 | 6,902,000 | 98.6 % | 98,000 | 245,000 | 3.5 % | — | (49,000) |
| | Stormwater Management | 52,926,000 | 52,185,036 | 98.6 % | 740,964 | 1,852,410 | 3.5 % | — | (370,482) |
| | Reserve Claim | 7,500,000 | 7,395,000 | 98.6 % | 105,000 | 262,500 | 3.5 % | — | (52,500) |
| | Total | \$ 645,998,268 | \$ 635,437,513 | 98.4 % | \$ 10,560,755 | \$ 22,609,939 | 3.5 % | \$ — | \$ (4,016,395) |
| 2019 | Corporate | \$ 255,557,993 | \$ 252,235,739 | 98.7 % | \$ 3,322,254 | \$ 8,944,530 | 3.5 % | \$ — | \$ (1,788,906) |
| | Bond Redemption & Interest | 243,048,461 | 239,888,831 | 98.7 % | 3,159,630 | 8,506,696 | 3.5 % | — | (1,701,339) |
| | Retirement | 71,565,400 | 69,060,611 | 96.5 % | 2,504,789 | 2,504,789 | 3.5 % | — | — |
| | Construction | 7,600,000 | 7,501,200 | 98.7 % | 98,800 | 266,000 | 3.5 % | — | (53,200) |
| | Stormwater Management | 52,926,000 | 52,237,962 | 98.7 % | 688,038 | 1,852,410 | 3.5 % | — | (370,482) |
| | Reserve Claim | 7,500,000 | 7,402,500 | 98.7 % | 97,500 | 262,500 | 3.5 % | — | (52,500) |
| | Total | \$ 638,197,854 | \$ 628,326,843 | 98.5 % | \$ 9,871,011 | \$ 22,336,925 | 3.5 % | \$ — | \$ (3,966,427) |
| 2018 | Corporate | \$ 241,153,834 | \$ 236,089,603 | 97.9 % | \$ 5,064,231 | \$ 8,440,384 | 3.5 % | \$ — | \$ (723,462) |
| | Bond Redemption & Interest | 238,732,075 | 233,718,701 | 97.9 % | 5,013,374 | 8,355,623 | 3.5 % | — | (716,196) |
| | Retirement | 71,534,197 | 69,745,842 | 97.5 % | 1,788,355 | 2,503,697 | 3.5 % | — | — |
| | Construction | 11,700,000 | 11,454,300 | 97.9 % | 245,700 | 409,500 | 3.5 % | — | (35,100) |
| | Stormwater Management | 47,826,000 | 46,821,654 | 97.9 % | 1,004,346 | 1,673,910 | 3.5 % | — | (143,478) |
| | Reserve Claim | 6,000,000 | 5,874,000 | 97.9 % | 126,000 | 210,000 | 3.5 % | — | (18,000) |
| | Total | \$ 616,946,106 | \$ 603,704,101 | 97.9 % | \$ 13,242,005 | \$ 21,593,114 | 3.5 % | \$ — | \$ (1,636,236) |
| Prior Years' Levies | Corporate | | | | | | | | \$ (241,154) |
| | Bond Redemption & Interest | | | | | | | | (238,732) |
| | Retirement | | | | | | | | — |
| | Construction | | | | | | | | (11,700) |
| | Stormwater Management | | | | | | | | (47,826) |
| | Reserve Claim | | | | | | | | (6,000) |
| | Total | | | | | | | | \$ (545,412) |
| RECAPITULATION BY FUND | | | | | | | | | |
| | Corporate | \$ 1,320,135,822 | \$ 963,296,815 | | \$ 356,839,007 | \$ 46,204,754 | | \$ 325,242,371 | \$ 320,111,955 |
| | Bond Redemption & Interest | 1,211,624,234 | 891,608,842 | | 320,015,392 | 42,406,848 | | 291,321,408 | 288,995,095 |
| | Retirement | 360,122,597 | 263,624,247 | | 96,498,350 | 12,604,291 | | 84,609,388 | 84,458,614 |
| | Construction | 40,300,000 | 31,161,958 | | 9,138,042 | 1,410,500 | | 8,205,542 | 8,112,037 |
| | Stormwater Management | 264,530,000 | 191,350,898 | | 73,179,102 | 9,258,550 | | 66,865,934 | 66,403,253 |
| | Reserve Claim | 36,000,000 | 26,354,847 | | 9,645,153 | 1,260,000 | | 8,791,653 | 8,722,111 |
| | Levy Adjust. PA 102-0519 | 7,540,018 | — | — % | 7,540,018 | 263,901 | 3.5 % | 7,276,117 | 7,203,356 |
| | Total | \$ 3,240,252,671 | \$ 2,367,397,607 | | \$ 872,855,064 | \$ 113,408,843 | | \$ 792,312,414 | \$ 784,006,421 |

**STATEMENT OF PERSONAL PROPERTY REPLACEMENT TAXES
RECEIVABLE FOR 2023 AND PRIOR YEARS AT JANUARY 1, 2023
INCLUDING THE ESTIMATED COLLECTIONS FOR THE YEAR 2023**

| LEVY YEAR | FUND | BUDGETED RECEIVABLE | ACTUAL/ESTIMATED COLLECTED THROUGH 2022 | CASH ESTIMATED IN 2023 |
|-------------|--------------|---------------------|---|------------------------|
| 2023 | Corporate | \$ 56,925,400 | \$ — | \$ — |
| | Retirement | 18,074,600 | — | — |
| | Construction | 25,000,000 | — | — |
| | Total | \$ 100,000,000 | \$ — | \$ — |
| 2022 | Corporate | \$ 42,000,000 | \$ — | \$ 42,000,000 |
| | Retirement | 18,383,000 | — | 18,383,000 |
| | Construction | — | — | — |
| | Total | \$ 60,383,000 | \$ — | \$ 60,383,000 |
| 2021 | Corporate | \$ 16,000,000 | \$ 123,611,800 | \$ — |
| | Retirement | 18,558,500 | 18,558,500 | — |
| | Construction | — | — | — |
| | Total | \$ 34,558,500 | \$ 142,170,300 | \$ — |
| 2020 | Corporate | \$ 19,000,000 | \$ 53,173,208 | \$ — |
| | Retirement | 18,427,400 | 18,427,400 | — |
| | Construction | — | — | — |
| | Total | \$ 37,427,400 | \$ 71,600,608 | \$ — |
| 2019 | Corporate | \$ 15,000,000 | \$ 22,527,719 | \$ — |
| | Retirement | 18,258,400 | 18,258,400 | — |
| | Construction | — | — | — |
| | Total | \$ 33,258,400 | \$ 40,786,119 | \$ — |
| 2018 | Corporate | \$ 19,849,500 | \$ 27,384,717 | \$ — |
| | Retirement | 18,250,500 | 18,250,500 | — |
| | Construction | — | — | — |
| | Total | \$ 38,100,000 | \$ 45,635,217 | \$ — |

NOTE: Personal Property Replacement Taxes are recorded as collected against the prior year's tax estimate. For example, collections in 2023 will be recorded against the 2022 budgeted receivable.

CORPORATE FUND FINANCIAL NARRATIVE

The Corporate Fund is the general fund of the District and used to account for the general operations and expenditures. The 2023 Budget is \$475.1 million, an increase of \$36.6 million, or 8.3 percent, from the 2022 Adjusted Budget. Property taxes are the major source of revenue for the Corporate Fund. In 2023, the net property tax levy will provide 59.5 percent of the fund's revenue. The property tax levy for 2023 is \$292.9 million, an increase of \$8.4 million, or 3.0 percent, from the 2022 Adjusted Levy.

The Corporate Fund allocation of Personal Property Replacement Tax (PPRT) revenue is budgeted at \$56.9 million for 2023, an increase of \$14.9 million compared to the 2022 Budget of \$42.0 million. Beginning in 2021, PPRT began to outperform expectations and has continued to return positive results. The District projects revenue received in 2022 to be \$123.6 million, a \$81.6 million positive variance. The PPRT year-end estimates and 2023 projections are the principal factor impacting 2023 projected Corporate Fund revenue. The State of Illinois FY2023 PPRT allocation includes an increase due to internal reconciliation and lower than anticipated tax refunds than originally anticipated in FY2022. Furthermore, because PPRT is an economically sensitive revenue that is also subject to diversion by the State of Illinois to support other state-wide initiatives, PPRT revenues are expected to decline after 2024. Actual performance, however, will be monitored closely and adjusted in the future to be reflective of economic and policy direction. PPRT is accounted for in arrears and compared against the prior year tax estimate. PPRT receipts have not been stable over the last several years due to changes in the State of Illinois allocations to local governments, changes in tax laws, and the impacts of the pandemic. PPRT is allocated first to the Retirement Fund to pay 20.9 percent of the Retirement Fund total levy. In 2023 and 2024, the District will also allocate \$25.0 million in PPRT funding to the Construction Fund to fund small capital projects.

Non-Tax Revenue

Corporate Fund non-tax revenue is projected to be \$91.8 million, an increase of \$7.1 million or 8.4 percent from the 2022 Budget, which can be attributed to a \$5.5 million increase in investment returns and a \$3.0 million increase in lease income, offset by decreases in anticipated TIF surplus and a \$1.0 million decline in expected user charge revenue. Overall, 2022 non-tax revenue is projected to end the year at \$90.6 million, exceeding the 2022 Budget by \$6.0 million, or 7.1 percent.

The Corporate Fund receives significant funding from user charge revenue, estimated at \$37.0 million in 2023, a decrease of \$1.0 million from the 2022 Budget. The state economy significantly impacts the food processing and metal finishing industries, two major categories of user charge payers. Another major segment of user charge payers is government-operated airports and water filtration facilities. The revenues from these sources are affected by weather conditions rather than the general economy. The 2022 year-end estimated revenue is \$38.0 million, as budgeted. User charge rates and revenues parallel changes in the District's operations, maintenance, and replacement costs. User charge rates are based on the United States Environmental Protection Agency's approved program that ensures each user pays its proportionate share of costs for the treatment of its wastewater. Large commercial, industrial, and tax-exempt users are charged fees based on the volume and strength of biochemical oxygen demand and suspended solids in their effluents, with credit given for the operations, maintenance, and replacement portion of any property taxes paid. Residential and small commercial/industrial classes pay only through their property taxes. This rate method ensures that the costs of providing service to these users are fully recovered. The user charge rate history appears in the Appendix.

In 2023, land rental revenue is budgeted at \$28.0 million, an increase of \$3.0 million from the 2022 Budget. Real estate income for the District has trended upwards in recent years. Expiring leases are reviewed and necessary environmental or other types of property remediation are performed, when possible, well ahead of lease expiration to expedite re-leasing at current market rates. Investment income is budgeted for 2023 at \$6.1 million, an increase of \$5.5 million from the 2022 Budget, reflecting current market conditions.

2021 and 2022 Projected Year-End Results

The Corporate Fund ended 2021 with a positive cash flow. Expenditures increased by \$9.5 million from 2020 to 2021, attributed primarily to operational costs returning to pre-pandemic expenditures while reflecting inflationary pressures as well as employee health care costs that also returned to pre-pandemic expenditures. The 2021 expenditures totaled \$356.1 million compared to \$346.6 million in 2020. The 2021 revenue collections ended the year slightly above the 2021 budget, with receipts of \$408.6 million, creating a positive cash flow of \$52.6 million. Similarly, 2022 is projecting year-end expenditures of \$382.1 million, while revenues are projecting year-end collections of \$445.2 million primarily due to the over performance of PPRT disbursements. These positive year-end results will allow the District to include a \$30.0 million transfer to the Retirement Fund in 2023 to provide advance funding to maintain growth in the Retirement Fund's funded ratio, after a legislative change allowing the transfer of surplus revenue went into effect on January 1, 2022.

The District maintains a strong fund balance to maintain financial stability and sustain the District through economic uncertainties. For 2023, a portion amounting to \$181.6 million of the projected net assets will remain unappropriated to provide for a fiscally responsible fund balance. Of the projected \$262.6 million net assets appropriable, \$30.0 million will be transferred to the Retirement Fund as discussed above and \$51.0 million of the projected net assets will be appropriated.

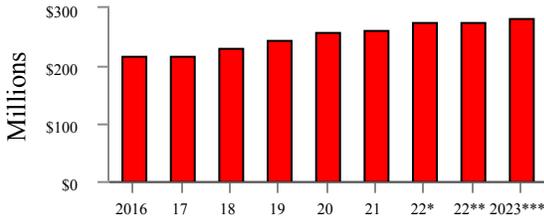
The 2023 Budget prepares the District for persistent inflation, supply chain issues, and demand for construction materials. The 2023 Budget includes a 14.0 percent increase in the cost of energy with an expected \$5.0 million increase to the cost of electricity and a \$2.9 million increase in the budget for natural gas. The budget for materials and supplies will increase by \$8.1 million, or 24.0 percent. Additionally, a \$5.1 million increase in the budget for chemicals is the result of rising needs at the water reclamation plants and anticipated higher costs. The budget for electrical parts is increasing by \$1.4 million, while the budget for mechanical parts is going up by \$1.1 million. The District has identified \$7.5 million in technology infrastructure and equipment purchases that will offset the revenue spike expected from the economically sensitive PPRT revenue for 2023.

Corporate Working Cash Fund

The Corporate Working Cash Fund is used to provide short-term financing to the Corporate Fund. As the property tax levy for one year is not collected until the next year, short-term financing of the current year tax levy is necessary. The District is authorized to sell Working Cash Bonds and is authorized to extend a property tax levy to meet these needs, but neither a tax levy nor bond sale is planned for 2023. The District will allocate 95.0 percent of the maximum as available for loan in 2023, or a total of \$332.3 million.

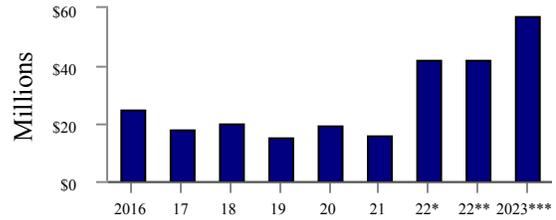
REVENUE - CORPORATE FUND (BUDGETARY BASIS)

Net Property Tax Levy



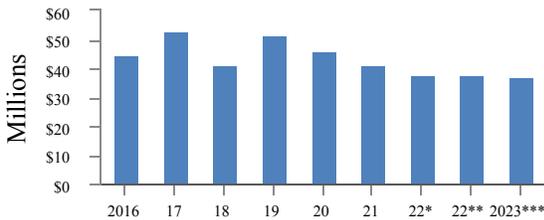
The property tax levy is the primary source of revenue for the Corporate Fund. In 2023, the levy will remain flat to the 2022 levy.

Personal Property Replacement Tax



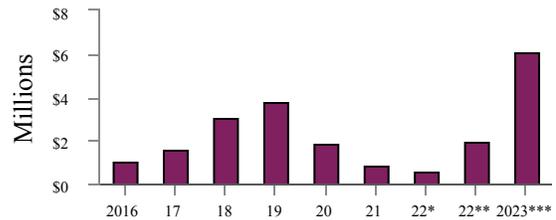
Budgeted PPRT allocations, received from the State, are economically sensitive. The increase in 2023 reflects over performance of PPRT disbursements.

User Charge



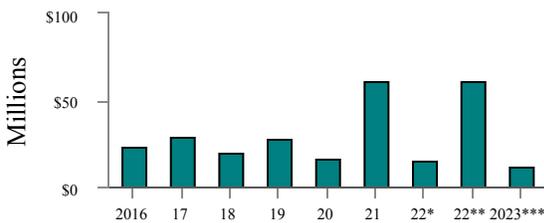
The growth in the food processing and chemical industries has been offset by improvements in processing and reduced discharges. 2023 anticipates refunds from reduced industrial activity post the COVID-19 global pandemic.

Investment Income



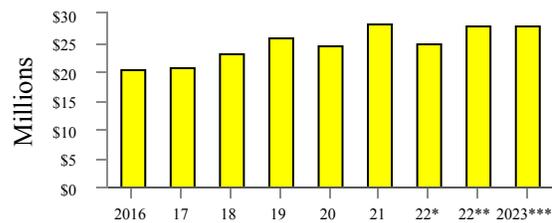
Investment income fluctuates based on the economy. In both 2016 and 2017, low rates and smaller investment balances resulted in lower returns. 2023 is seeing substantial rate increases.

Other



TIF surplus distributions have been the driving factor of the remaining non-tax revenue. The primary factor in 2021, however, is an adjustment for PPRT receipts above the budgeted amount.

Land Rentals



In 2023, land rental revenue is expected to remain unchanged. Land rentals have continued to gradually increase.

Note: Other includes sewer permit and permit services fees, land sales, agricultural product sales, Tax Increment Finance (TIF) district surplus distribution, and other small revenue sources. Beginning in 2019, sewer permit fees are recorded to the Stormwater Management Fund.

- 2016-2021 actual
- * 2022 as budgeted
- ** 2022 adjusted estimated
- *** 2023 estimate

**CORPORATE FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2023 AND 2022**

| | ASSETS | | | |
|--|-----------------------|------------------------------------|-----------------------|------------------------------------|
| | 2023 | | 2022 | |
| | AMOUNT | AVAILABLE FOR APPROPRIATION | AMOUNT | AVAILABLE FOR APPROPRIATION |
| CURRENT ASSETS | | | | |
| Cash & Investments | \$ 238,479,957 | \$ 238,479,957 | \$ 179,455,988 | \$ 179,455,988 |
| Taxes Receivable | 274,542,500 | 274,542,500 | 261,400,069 | 262,671,004 |
| Prior Years Taxes Receivable | 45,569,455 | 45,569,455 | — | — |
| Replacement Tax | 42,000,000 | 42,000,000 | 16,000,000 | 16,000,000 |
| Total Current Assets | <u>\$ 600,591,912</u> | <u>\$ 600,591,912</u> | <u>\$ 456,856,057</u> | <u>\$ 458,126,992</u> |
| LIABILITIES & FUND EQUITY | | | | |
| CURRENT LIABILITIES | | | | |
| Unpaid Bills: | | | | |
| Accrued Salaries & Wages | \$ 7,675,000 | \$ 7,675,000 | \$ 2,242,000 | \$ 2,242,000 |
| Security & Bid Deposits | 400,000 | 400,000 | 1,900,000 | 1,900,000 |
| Payroll Withholding & Miscellaneous | 867,000 | 867,000 | 600,000 | 600,000 |
| Contractual Services | 18,858,846 | 18,858,846 | 2,472,232 | 2,472,232 |
| Due to Corporate Working Cash Fund | 310,200,000 | 310,200,000 | 272,000,000 | 272,000,000 |
| Total Current Liabilities | <u>\$ 338,000,846</u> | <u>\$ 338,000,846</u> | <u>\$ 279,214,232</u> | <u>\$ 279,214,232</u> |
| Total Liabilities | | <u>\$ 338,000,846</u> | | <u>\$ 279,214,232</u> |
| ASSETS APPROPRIABLE FOR 2023 & 2022 | | | | |
| Net Assets Appropriable | | \$ 262,591,066 | | \$ 178,912,760 |
| Reserve for Transfer to Retirement Fund | | (30,000,000) | | (30,000,000) |
| Budget Reserve | | (181,624,166) | | (105,234,260) |
| Net Assets Appropriated | | \$ 50,966,900 | | \$ 43,678,500 |
| Estimated Revenue | | 424,099,100 | | 394,823,000 |
| Total Assets Appropriable | | <u>\$ 475,066,000</u> | | <u>\$ 438,501,500</u> |
| FUND EQUITY | | | | |
| Undesignated | | <u>\$ 262,591,066</u> | | <u>\$ 177,641,825</u> |
| Total Fund Equity | | <u>\$ 262,591,066</u> | | <u>\$ 177,641,825</u> |
| Total Liabilities & Fund Equity | | <u>\$ 600,591,912</u> | | <u>\$ 456,856,057</u> |

**CORPORATE FUND
APPROPRIABLE REVENUE
2023 - 2020**

| REVENUE DESCRIPTION | ESTIMATED | | | ACTUAL | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 2023 BUDGET | 2022 ADJUSTED | 2022 BUDGET | 2021 | 2020 |
| Revenue from Property Taxes | | | | | |
| Gross Tax Levy | \$ 292,900,000 | \$ 284,500,000 | \$ 284,500,000 | \$ 270,880,900 | \$ 266,455,300 |
| Less Allowance for Uncollectible Taxes | (10,251,500) | (9,957,500) | (9,957,500) | (9,480,832) | (9,325,936) |
| Net Property Taxes | \$ 282,648,500 | \$ 274,542,500 | \$ 274,542,500 | \$ 261,400,068 | \$ 257,129,364 |
| Revenue from Personal Property | | | | | |
| Replacement Tax | \$ 56,925,400 | \$ 42,000,000 | \$ 42,000,000 | \$ 16,000,000 | \$ 19,000,000 |
| Net Tax Sources | \$ 339,573,900 | \$ 316,542,500 | \$ 316,542,500 | \$ 277,400,068 | \$ 276,129,364 |
| Adjustment to match working cash borrowings | (7,239,800) | (6,342,500) | (6,342,500) | (4,900,069) | (4,929,365) |
| Working Cash Financing at 95% of Gross Tax Sources | \$ 332,334,100 | \$ 310,200,000 | \$ 310,200,000 | \$ 272,500,000 | \$ 271,200,000 |
| Investment Income | \$ 6,090,000 | \$ 1,950,000 | \$ 592,000 | \$ 859,676 | \$ 1,881,610 |
| Land Rentals | 28,000,000 | 28,000,000 | 25,000,000 | 28,206,949 | 24,337,168 |
| Federal & State Grants | 1,575,000 | 210,000 | 75,000 | 543,069 | 72,069 |
| Sewer Service Agreement Revenue | 1,750,000 | 1,250,000 | 1,750,000 | 1,650,531 | 1,723,132 |
| User Charge | 37,000,000 | 38,000,000 | 38,000,000 | 41,211,339 | 45,901,043 |
| Resource Recovery | 500,000 | 500,000 | 511,000 | 320,950 | 364,782 |
| Lockport Electrical Energy Generation | 1,200,000 | 1,020,000 | 825,000 | 1,307,901 | 1,110,422 |
| Miscellaneous (details below) | 15,650,000 | 19,694,750 | 17,870,000 | 22,108,350 | 21,614,891 |
| Subtotal | \$ 91,765,000 | \$ 90,624,750 | \$ 84,623,000 | \$ 96,208,765 | \$ 97,005,117 |
| Adjustment to Net Assets Available for Projected Receipts | — | 44,395,006 | — | 39,937,000 | (2,900,200) |
| Equity Transfer | — | — | — | — | — |
| GRAND TOTAL | \$ 424,099,100 | \$ 445,219,756 | \$ 394,823,000 | \$ 408,645,765 | \$ 365,304,917 |
| ----- | | | | | |
| TIF Surplus Distribution | \$ 12,500,000 | \$ 15,500,000 | \$ 14,800,000 | \$ 17,900,473 | \$ 18,295,058 |
| TIF Differential Fee | — | — | — | 225,000 | 225,000 |
| Land Sales | — | 376,750 | — | 3,800 | 52,000 |
| Claims & Damage Settlements | — | 120,000 | — | 44,019 | 415,264 |
| Scrap Sales | 50,000 | 125,000 | 50,000 | 59,044 | 38,902 |
| Sales of Automobiles | 100,000 | 70,000 | 20,000 | 110,018 | 19,452 |
| Interest on Taxes - Cook County Treasurer | — | 3,000 | — | 3,259 | 30,153 |
| Other | 3,000,000 | 3,500,000 | 3,000,000 | 3,762,737 | 2,539,062 |
| Total | \$ 15,650,000 | \$ 19,694,750 | \$ 17,870,000 | \$ 22,108,350 | \$ 21,614,891 |

**CORPORATE FUND FINANCING
2023 - 2018**

| | ESTIMATED | | | ACTUAL | | | |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 2023 (1) | 2022 REVISED | 2022 ORIGINAL | 2021 | 2020 | 2019 | 2018 |
| BORROWINGS | | | | | | | |
| Working Cash Loans Current Year | \$ 332,334,100 | \$ 208,000,000 | \$ 310,200,000 | \$ 191,300,000 | \$ 190,000,000 | \$ 190,000,000 | \$ 190,000,000 |
| Working Cash Loans Prior Year | — | — | — | — | — | — | — |
| Total Borrowings | <u>\$ 332,334,100</u> | <u>\$ 208,000,000</u> | <u>\$ 310,200,000</u> | <u>\$ 191,300,000</u> | <u>\$ 190,000,000</u> | <u>\$ 190,000,000</u> | <u>\$ 190,000,000</u> |
| REPAYMENTS | | | | | | | |
| Working Cash Loans Repaid Current | \$ 208,000,000 | \$ 191,300,000 | \$ 191,300,000 | \$ 190,000,000 | \$ 190,000,000 | \$ 190,000,000 | \$ 190,000,000 |
| Working Cash Loans Repaid Prior | — | — | — | — | — | — | — |
| Total Repayments | <u>\$ 208,000,000</u> | <u>\$ 191,300,000</u> | <u>\$ 191,300,000</u> | <u>\$ 190,000,000</u> | <u>\$ 190,000,000</u> | <u>\$ 190,000,000</u> | <u>\$ 190,000,000</u> |

(1) FINANCING LIMITATION

| | |
|-----------------------------------|-----------------|
| | 2023 |
| | (In Millions) |
| Property Tax Levy | \$ 292.9 |
| Personal Property Replacement Tax | <u>56.9</u> |
| Total | \$ 349.8 |
| * Borrowing Limitation | 95.0 % |
| Total Available for Financing | <u>\$ 332.3</u> |
| * Statutory limitation is 100% | |

**CORPORATE WORKING CASH FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2023 AND 2022
AND ESTIMATED AMOUNTS AVAILABLE FOR 2023 AND 2022**

| | ASSETS | | | |
|---|-----------------------|-----------------------------|-----------------------|-----------------------------|
| | 2023 | | 2022 | |
| | AMOUNT | AVAILABLE FOR APPROPRIATION | AMOUNT | AVAILABLE FOR APPROPRIATION |
| CURRENT ASSETS | | | | |
| Cash & Investments | \$ 72,255,006 | \$ 72,255,006 | \$ 87,619,500 | \$ 87,619,500 |
| Due from Corporate Fund | 208,000,000 | 208,000,000 | 191,300,000 | 191,300,000 |
| Total Current Assets | <u>\$ 280,255,006</u> | <u>\$ 280,255,006</u> | <u>\$ 278,919,500</u> | <u>\$ 278,919,500</u> |
| | | | | |
| | FUND EQUITY | | | |
| Estimated Revenue & Other Financing Sources | | \$ 2,376,000 | | \$ 1,111,000 |
| Equity Transfer to Retirement Fund | | \$ — | | \$ — |
| ASSETS AVAILABLE FOR 2023 AND 2022 | | <u>\$ 282,631,006</u> | | <u>\$ 280,030,500</u> |
| | | | | |
| FUND EQUITY | | | | |
| | <u>\$ 280,255,006</u> | | <u>\$ 278,919,500</u> | |

**CORPORATE WORKING CASH FUND
REVENUES
2023 - 2020**

| REVENUE DESCRIPTION | ESTIMATED | | | ACTUAL | |
|------------------------------------|---------------------|---------------------|---------------------|-------------------|-----------------------|
| | 2023 BUDGET | 2022 ADJUSTED | 2022 BUDGET | 2021 | 2020 |
| Revenue from Money & Property | | | | | |
| Investment Income | \$ 2,376,000 | \$ 1,015,000 | \$ 1,111,000 | \$ 914,112 | \$ 1,383,000 |
| Revenue from Miscellaneous Sources | — | — | — | — | — |
| Equity Transfer to Retirement Fund | — | — | — | — | (6,000,000) |
| TOTAL | <u>\$ 2,376,000</u> | <u>\$ 1,015,000</u> | <u>\$ 1,111,000</u> | <u>\$ 914,112</u> | <u>\$ (4,617,000)</u> |

CAPITAL FUNDS FINANCIAL NARRATIVE

The Capital Funds of the District are the Capital Improvements Bond Fund (CIBF) and the Construction Fund. Additionally, in 2023, the District will add the capital projects funded through the Stormwater Management Fund to the Capital Improvement Program to more accurately account for the acquisition of capital facilities and other capital assets through the Capital Improvement Program. The District's major functions of sewage collection and treatment, solids processing, solids utilization, flood control, and stormwater management are capital intensive, requiring significant investments in infrastructure. The District's mission of protecting the Lake Michigan drinking water supply from pollution and stormwater management drives the capital program. Funding for the national, state, and local priorities that drive the District's program is provided by bonds, loans, grants, and other financial assistance available to the District.

The District utilizes a combination of funding methods to finance the Capital Improvement Program. The 2023 revenue sources include 21.3 percent for pay-as-you-go financing from property taxes, investment income, or other miscellaneous revenues and 7.4 percent from grants and reimbursements. Low-interest Wastewater and Stormwater State Revolving Fund (SRF) loans account for 10.2 percent of 2023 revenues, while General Obligation and Alternate Revenue Bonds account for 61.1 percent. Stormwater Alternate Revenue bonds and Stormwater SRF loans finance large stormwater projects that address overland flooding throughout Cook County backed by the Stormwater Management Fund Property Tax Levy to pay the principal and interest on the loans.

The Construction Fund and the Stormwater Management Fund are supported primarily by Property Taxes and used to finance construction projects on a pay-as-you-go basis, while the CIBF is used to budget and account for larger infrastructure projects.

Capital Improvements Bond Fund

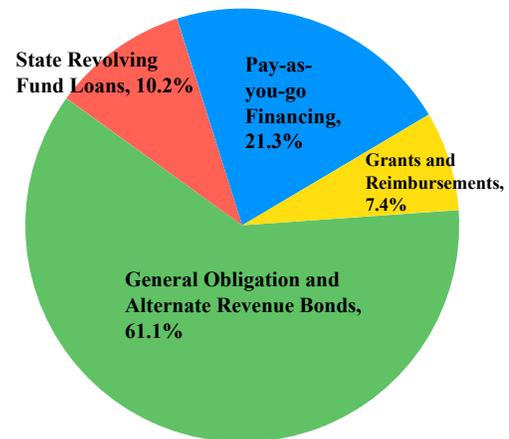
The CIBF is used to provide resources from Wastewater and Stormwater SRF loans, grants, bonds, and other sources to design and construct major capital facilities that are structures of permanent duration. The 2023 appropriation is \$374.6 million, an increase of \$80.7 million from the 2022 Adjusted Budget, or 27.4 percent. The appropriation varies by the scheduled awards of major projects.

The CIBF balance sheet on page 116 estimates the net assets appropriable for 2023 at \$60.3 million and (\$21.6) million for 2022. An obligation basis of budgetary accounting is used for this fund. Liabilities are recognized as the total value of all project awards at the time of award, even though cash disbursements are made over several future years. On a cash flow basis, the District has a goal to keep expenditures at a maximum of \$100.0 million for limited bonds and \$50.0 million for unlimited bonds per year. However, the District has an aggressive Capital Program over the next five years that will address aging infrastructure including sewer rehabilitation projects and modernization of our Water Reclamation Plants in anticipation of changing discharge permit limits that will require additional spending over 2024-2027.

Illinois property tax limitation laws limit the District's authority to issue bonds without a referendum. Projects initiated prior to October 1, 1991, which generally cover only Tunnel and Reservoir Plan projects, are excluded from the limitation. The District is authorized to issue "limited tax bonds" without a voter referendum. "Limited bonds" can be issued to the extent that any new debt when combined with existing debt service does not exceed the debt service extension base. The extension base limitation for the 2022 levy year is \$184.3 million and \$193.5 million for the 2023 levy year.

Illinois' Wastewater/Stormwater Revolving Loan Fund (SRF) provides low-interest loans to finance qualifying projects. The current interest rate for new loans to the District is 1.24 percent. The District expects to receive an allocation of \$50.0 million in 2023 and \$50.0 million annually for the following four years. The District continues to plan for the use of SRF loans and other low cost financing options, including Water Infrastructure Finance and Innovation Act loans. For 2023, a Build America Bonds (BABs) subsidy of \$11.3 million and \$2.0 million in miscellaneous revenue is available for capital projects in the Capital Improvements Bond Fund. In 2022, the District paid the remaining balance on five SRF loans, which was partially funded by \$35.0 million of accumulated BABs subsidy.

2023 Capital Improvement Program Revenue Sources



Construction Fund

The 2023 tax levy for the Construction Fund remains flat to the 2022 levy at \$7.0 million. The fund will also be supported by a \$25.0 million allocation of Personal Property Replacement Tax (PPRT), \$9.5 million in TIF Surplus distributions expected from the City of Chicago, and existing assets appropriable to fund capital projects. The 2023 appropriation is \$51.5 million, an increase of \$31.6 million, or 158.4 percent, from the 2022 Adjusted Budget.

The Construction Fund is a property tax supported fund designed to provide resources for capital projects for which long-term bond funding is not desirable or is not available. The use of PPRT to fund capital projects will allow additional relief to the aggressive capital program that is subject to the debt service extension base and provide taxpayer value by investing in infrastructure projects. This fund is intended for pay-as-you-go capital projects to perform major rehabilitation of facilities, extending their useful life, and to acquire other capital assets. The funding mechanism is a working cash fund that provides loans in anticipation of tax collections. The Construction Working Cash Fund includes appropriable assets of \$22.4 million. The liabilities for contracts not completed during a fiscal year are reappropriated in the next year. Net assets appropriable, therefore, fluctuate based on the value of contract liabilities carried forward to the following year. For 2023, there is \$21.5 million budgeted for projects currently under construction and \$26.0 million for projects scheduled for award in 2023.

Stormwater Management Fund

The Stormwater Management Fund was established in 2005 to fund stormwater management activities including operational costs and pay-as-you-go capital projects. The 2023 property tax levy for the Stormwater Management Fund is \$52.5 million, a decrease of \$5.4 million from the 2022 Adjusted Budget. An equity transfer to the Bond Redemption & Interest Fund is planned in the amount of \$9.5 million to pay the principal and interest on two Stormwater Alternative Revenue Bonds and State Revolving Fund loans. Beginning in 2022, the District began funding the majority of stormwater management capital projects, including both gray and green infrastructure, with pay-as-you-go financing. The District continues to aggressively seek grants to help fund stormwater projects. In 2022, the District received a \$12.0 million reimbursement from the Army Corps of Engineers and \$2.4 million in grants. The 2023 Budget includes \$24.4 million in grants and federal reimbursement revenue. No tax levy is recommended for the Stormwater Working Cash Fund, which provides temporary loans to the Stormwater Management Fund in anticipation of tax collections. Details of this fund's purpose and \$129.0 million appropriation for 2023 are presented in Section VI.

**CAPITAL IMPROVEMENTS BOND FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2023 AND 2022**

| | ASSETS | | | |
|---|-----------------------|------------------------------------|------------------------|------------------------------------|
| | 2023 | | 2022 | |
| | AMOUNT | AVAILABLE FOR APPROPRIATION | AMOUNT | AVAILABLE FOR APPROPRIATION |
| CURRENT ASSETS | | | | |
| Cash & Investments | \$ 369,688,024 | \$ 369,688,024 | \$ 262,399,600 | \$ 262,399,600 |
| Total Current Assets | \$ 369,688,024 | \$ 369,688,024 | \$ 262,399,600 | \$ 262,399,600 |
| LIABILITIES & FUND EQUITY | | | | |
| CURRENT LIABILITIES | | | | |
| Unpaid Bills: | | | | |
| Contractual Services | \$ 5,600,000 | \$ 5,600,000 | \$ — | \$ — |
| Contracts Payable | 165,000,000 | 165,000,000 | 164,440,900 | 164,440,900 |
| Total Current Liabilities | \$ 170,600,000 | \$ 170,600,000 | \$ 164,440,900 | \$ 164,440,900 |
| Designated for Future Claims Liabilities | 138,800,000 | 138,800,000 | 119,595,669 | 119,595,669 |
| Total Liabilities & Designations | \$ 309,400,000 | \$ 309,400,000 | \$ 284,036,569 | \$ 284,036,569 |
| ASSETS APPROPRIABLE | | | | |
| Net Assets Appropriable | | \$ 60,288,024 | | \$ (21,636,969) |
| Net Assets Appropriated | | \$ 60,288,024 | | \$ (21,636,969) |
| Estimated Revenue | | 314,322,876 | | 351,545,872 |
| Equity Transfer to B&I Fund | | — | | (35,965,403) |
| Equity Transfer | | — | | |
| Total Assets Appropriable | | \$ 374,610,900 | | \$ 293,943,500 |
| FUND EQUITY | \$ 60,288,024 | | \$ (21,636,969) | |
| Total Liabilities & Fund Equity | \$ 369,688,024 | | \$ 262,399,600 | |

CAPITAL IMPROVEMENTS BOND FUND
APPROPRIABLE REVENUE
2023 - 2020

| REVENUE DESCRIPTION | ESTIMATED | | | ACTUAL | |
|------------------------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------------|
| | 2023 BUDGET | 2022 ADJUSTED | 2022 BUDGET | 2021 | 2020 |
| Revenue from Money & Property | | | | | |
| Bond Sales (Present & Future) | \$ 239,673,876 | \$ — | \$ 279,598,572 | \$ 182,782,401 | \$ — |
| Investment Income | 10,649,000 | 2,755,000 | 1,970,000 | 1,393,012 | 2,572,400 |
| Subtotal | \$ 250,322,876 | \$ 2,755,000 | \$ 281,568,572 | \$ 184,175,413 | \$ 2,572,400 |
| Revenue from Miscellaneous Sources | | | | | |
| Federal & State Grants | \$ 12,000,000 | \$ 13,000,000 | \$ 12,977,300 | \$ 11,639,428 | \$ 15,456,900 |
| State Revolving Fund Loans | 50,000,000 | 55,000,000 | 55,000,000 | 49,904,200 | 58,329,600 |
| Miscellaneous | 2,000,000 | 2,000,000 | 2,000,000 | 2,460,993 | 3,148,800 |
| Subtotal | \$ 64,000,000 | \$ 70,000,000 | \$ 69,977,300 | \$ 64,004,621 | \$ 76,935,300 |
| Total Revenue | \$ 314,322,876 | \$ 72,755,000 | \$ 351,545,872 | \$ 248,180,034 | \$ 79,507,700 |
| Other Financing Sources (Uses) | | | | | |
| Equity Transfer to B&I Fund | \$ — | \$ (35,965,403) | \$ (35,965,403) | \$ — | \$ — |
| Equity Transfer to Corporate Fund | — | — | — | — | — |
| Equity Transfer to Retirement Fund | — | — | — | — | (9,000,000) |
| GRAND TOTAL | \$ 314,322,876 | \$ 36,789,597 | \$ 315,580,469 | \$ 248,180,034 | \$ 70,507,700 |

**CONSTRUCTION FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2023 AND 2022**

| | ASSETS | | | |
|--|----------------------|------------------------------------|----------------------|------------------------------------|
| | 2023 | | 2022 | |
| | AMOUNT | AVAILABLE FOR APPROPRIATION | AMOUNT | AVAILABLE FOR APPROPRIATION |
| CURRENT ASSETS | | | | |
| Cash & Investments | \$ 12,119,882 | \$ 12,119,882 | \$ 15,192,300 | \$ 15,192,300 |
| Taxes Receivable | 7,237,500 | 7,312,500 | 6,755,000 | 6,698,900 |
| Prior Years Taxes Receivable | 1,424,337 | 1,424,337 | — | — |
| Total Current Assets | \$ 20,781,719 | \$ 20,856,719 | \$ 21,947,300 | \$ 21,891,200 |
| LIABILITIES & FUND EQUITY | | | | |
| CURRENT LIABILITIES | | | | |
| Unpaid Bills: | | | | |
| Contracts Payable | \$ 2,572,319 | \$ 2,572,319 | \$ 1,472,200 | \$ 1,472,200 |
| Contractual Services | 300,000 | 300,000 | 500,000 | 500,000 |
| Due to: | | | | |
| Construction Working Cash Fund | 6,700,000 | 6,700,000 | 6,700,000 | 6,700,000 |
| Total Current Liabilities | \$ 9,572,319 | \$ 9,572,319 | \$ 8,672,200 | \$ 8,672,200 |
| Total Liabilities | | \$ 9,572,319 | | \$ 8,672,200 |
| ASSETS APPROPRIABLE FOR 2023 AND 2022 | | | | |
| Net Assets Appropriable | | \$ 11,284,400 | | \$ 13,219,000 |
| Net Assets Appropriated | | \$ 11,284,400 | | \$ 13,219,000 |
| Estimated Revenue | | 40,216,000 | | 6,713,000 |
| Total Assets Appropriable | | \$ 51,500,400 | | \$ 19,932,000 |
| FUND EQUITY | | | | |
| Undesignated | | 11,209,400 | | 13,275,100 |
| Total Fund Equity | | \$ 11,209,400 | | \$ 13,275,100 |
| Total Liabilities & Fund Equity | | \$ 20,781,719 | | \$ 21,947,300 |

CONSTRUCTION FUND FINANCING

2023 - 2018

| | ESTIMATED | | | ACTUAL | | | |
|---------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|
| | 2023 (1) | 2022 REVISED | 2022 ORIGINAL | 2021 | 2020 | 2019 | 2018 |
| BORROWINGS | | | | | | | |
| Working Cash Loans | \$ 30,400,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 7,200,000 | \$ 11,100,000 |
| Total Borrowings | \$ 30,400,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 7,200,000 | \$ 11,100,000 |
| REPAYMENTS | | | | | | | |
| Working Cash Loans Repaid | | | | | | | |
| Current | \$ 6,700,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 7,200,000 | \$ 11,100,000 | \$ 1,200,000 |
| Prior Year | — | — | — | — | — | — | — |
| Total Repayments | \$ 6,700,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 7,200,000 | \$ 11,100,000 | \$ 1,200,000 |

(1) FINANCING LIMITATION

| 2023 | |
|--------------------------------------|----------------|
| (In Millions) | |
| Property Tax Levy | \$ 7.0 |
| Personal Property Replacement Tax | 25.0 |
| Total | \$ 32.0 |
| * Borrowing Limitation | 95.0 % |
| Total Available for Financing | \$ 30.4 |
| * Statutory limitation is 100% | |

**CONSTRUCTION FUND
APPROPRIABLE REVENUE
2023 - 2020**

| REVENUE DESCRIPTION | ESTIMATED | | | ACTUAL | |
|---|----------------------|---------------------|---------------------|---------------------|---------------------|
| | 2023 BUDGET | 2022 ADJUSTED | 2022 BUDGET | 2021 | 2020 |
| Revenue from Property Taxes | | | | | |
| Gross Tax Levy | \$ 7,000,000 | \$ 7,000,000 | \$ 7,000,000 | \$ 7,000,000 | \$ 7,000,000 |
| Less: Allowance for Uncollectible Taxes | (245,000) | (245,000) | (245,000) | (245,000) | (245,000) |
| Net Property Taxes | \$ 6,755,000 | \$ 6,755,000 | \$ 6,755,000 | \$ 6,755,000 | \$ 6,755,000 |
| Revenue from Personal Property | | | | | |
| Replacement Tax | 25,000,000 | — | — | — | — |
| Net Tax Sources | \$ 31,755,000 | \$ 6,755,000 | \$ 6,755,000 | \$ 6,755,000 | \$ 6,755,000 |
| Adjustment to Match Working Cash Borrowings | (1,355,000) | (55,000) | (55,000) | (55,000) | (55,000) |
| Working Cash Financing (Maximum 95% of Gross Tax Sources) | \$ 30,400,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 6,700,000 | \$ 6,700,000 |
| Connection Impact Fees | — | — | — | — | — |
| Investment Income | 306,000 | 69,000 | 13,000 | 10,111 | 124,900 |
| Miscellaneous | 10,000 | 2,300 | — | 92 | 14,200 |
| TIF Surplus Distribution | 9,500,000 | — | — | — | — |
| Equity Transfer from Capital Improvements Bond Fund | — | — | — | — | — |
| Subtotal | \$ 9,816,000 | \$ 71,300 | \$ 13,000 | \$ 10,204 | \$ 139,100 |
| Adjustment to Net Assets Available for Projected Receipts | — | (1,395,542) | — | (66,200) | (63,700) |
| Total | \$ 40,216,000 | \$ 5,375,758 | \$ 6,713,000 | \$ 6,644,004 | \$ 6,775,400 |

**CONSTRUCTION WORKING CASH FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2023 AND 2022
AND ESTIMATED AMOUNTS AVAILABLE FOR 2023 AND 2022**

| | ASSETS | | | |
|--|----------------------|-----------------------------|----------------------|-----------------------------|
| | 2023 | | 2022 | |
| | AMOUNT | AVAILABLE FOR APPROPRIATION | AMOUNT | AVAILABLE FOR APPROPRIATION |
| CURRENT ASSETS | | | | |
| Cash & Investments | \$ 15,286,347 | \$ 15,286,347 | \$ 15,166,100 | \$ 15,166,100 |
| Due from Construction Fund | 6,700,000 | 6,700,000 | 6,700,000 | 6,700,000 |
| Total Current Assets | <u>\$ 21,986,347</u> | <u>\$ 21,986,347</u> | <u>\$ 21,866,100</u> | <u>\$ 21,866,100</u> |
| | | | | |
| | FUND EQUITY | | | |
| Estimated Revenue & Other Financing Sources | | \$ 424,000 | | \$ 55,000 |
| Equity Transfer to Retirement Fund | | — | | — |
| ASSETS APPROPRIABLE FOR 2023 & 2022 | | <u>\$ 22,410,347</u> | | <u>\$ 21,921,100</u> |
| FUND EQUITY | <u>\$ 21,986,347</u> | | <u>\$ 21,866,100</u> | |

**CONSTRUCTION WORKING CASH FUND
REVENUES
2023 - 2020**

| REVENUE DESCRIPTION | ESTIMATED | | | ACTUAL | |
|------------------------------------|-------------------|------------------|------------------|------------------|---------------------|
| | 2023 BUDGET | 2022 ADJUSTED | 2022 BUDGET | 2021 | 2020 |
| Revenue from Money & Property | | | | | |
| Investment Income | \$ 424,000 | \$ 94,000 | \$ 55,000 | \$ 74,069 | \$ 164,000 |
| Equity Transfer to Retirement Fund | — | — | — | — | (1,000,000) |
| TOTAL | <u>\$ 424,000</u> | <u>\$ 94,000</u> | <u>\$ 55,000</u> | <u>\$ 74,069</u> | <u>\$ (836,000)</u> |

**STORMWATER MANAGEMENT FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2023 AND 2022**

| | ASSETS | | | |
|---|-----------------------|--|----------------------|--|
| | 2023 | | 2022 | |
| | AMOUNT | AVAILABLE FOR APPROPRIATION | AMOUNT | AVAILABLE FOR APPROPRIATION |
| CURRENT ASSETS | | | | |
| Cash & Investments | \$ 55,292,676 | \$ 55,292,676 | \$ 45,275,400 | \$ 45,275,400 |
| Taxes Receivable | 55,898,590 | 56,477,850 | 51,073,590 | 51,316,348 |
| Prior Years Taxes Receivable | 9,925,403 | 9,925,403 | — | — |
| Total Current Assets | \$ 121,116,669 | \$ 121,695,929 | \$ 96,348,990 | \$ 96,591,748 |
| LIABILITIES & FUND EQUITY | | | | |
| CURRENT LIABILITIES | | | | |
| Unpaid Bills: | | | | |
| Accrued Salaries & Wages | \$ 371,000 | \$ 371,000 | \$ — | \$ — |
| Contracts Payable | 500,000 | 500,000 | 1,300,000 | 1,300,000 |
| Vouchers Payable | 3,605,729 | 3,605,729 | 500,048 | 500,048 |
| Due to: | | | | |
| Stormwater Working Cash Fund | 55,000,000 | 55,000,000 | 50,300,000 | 50,300,000 |
| Total Current Liabilities | \$ 59,476,729 | \$ 59,476,729 | \$ 52,100,048 | \$ 52,100,048 |
| Designated for Future Claims Liabilities | | \$ — | | \$ — |
| Total Current Liabilities and Designations | | \$ 59,476,729 | | \$ 52,100,048 |
| ASSETS APPROPRIABLE FOR 2023 & 2022 | | | | |
| Net Assets Appropriable | | \$ 62,219,200 | | \$ 44,491,700 |
| Net Assets Appropriated | | \$ 62,219,200 | | \$ 44,491,700 |
| Equity Transfer to Bond and Interest Fund | | (9,530,800) | | (9,173,000) |
| Estimated Revenue | | 76,294,000 | | 61,663,000 |
| Total Assets Appropriable | | \$ 128,982,400 | | \$ 96,981,700 |
| FUND EQUITY | \$ 61,639,940 | | \$ 44,248,942 | |
| Total Liabilities & Fund Equity | \$ 121,116,669 | | \$ 96,348,990 | |

STORMWATER MANAGEMENT FUND FINANCING**2023 - 2018**

| | ESTIMATED | | | ACTUAL | | | |
|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | 2023 (1) | 2022 REVISED | 2022 ORIGINAL | 2021 | 2020 | 2019 | 2018 |
| BORROWINGS | | | | | | | |
| Working Cash Loans | \$ 49,875,000 | \$ 31,200,000 | \$ 55,000,000 | \$ 26,500,000 | \$ 26,500,000 | \$ 26,500,000 | \$ 26,500,000 |
| Total Borrowings | \$ 49,875,000 | \$ 31,200,000 | \$ 55,000,000 | \$ 26,500,000 | \$ 26,500,000 | \$ 26,500,000 | \$ 26,500,000 |
| REPAYMENTS | | | | | | | |
| Working Cash Loans Repaid | | | | | | | |
| Current | \$ 31,200,000 | \$ 26,500,000 | \$ 26,500,000 | \$ 26,500,000 | \$ 26,500,000 | \$ 26,500,000 | \$ 26,500,000 |
| Prior Year | — | — | — | — | — | — | — |
| Total Repayments | \$ 31,200,000 | \$ 26,500,000 |

(1) FINANCING LIMITATION

| 2023 | |
|--------------------------------------|----------------|
| (In Millions) | |
| Property Tax Levy | \$ 52.5 |
| Personal Property Replacement Tax | — |
| Total | \$ 52.5 |
| * Borrowing Limitation | 95.0 % |
| Total Available for Financing | \$ 49.9 |
| * Statutory limitation is 100% | |

STORMWATER MANAGEMENT FUND**APPROPRIABLE REVENUE****2023 - 2020**

| REVENUE DESCRIPTION | ESTIMATED | | | ACTUAL | |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|
| | 2023 BUDGET | 2022 ADJUSTED | 2022 BUDGET | 2021 | 2020 |
| Revenue from Property Taxes | | | | | |
| Gross Tax Levy | \$ 52,500,000 | \$ 57,926,000 | \$ 57,926,000 | \$ 52,926,000 | \$ 52,926,000 |
| Less: Allowance for Uncollectible Taxes | (1,837,500) | (2,027,410) | (2,027,410) | (1,852,410) | (1,852,410) |
| Net Property Taxes | \$ 50,662,500 | \$ 55,898,590 | \$ 55,898,590 | \$ 51,073,590 | \$ 51,073,590 |
| Adjustment to Match Working Cash Borrowings | (787,500) | (898,590) | (898,590) | (773,590) | (773,590) |
| Working Cash Financing at 95% of Gross Tax Sources | \$ 49,875,000 | \$ 55,000,000 | \$ 55,000,000 | \$ 50,300,000 | \$ 50,300,000 |
| Revenue from Money & Property | | | | | |
| Investment Income | \$ 965,000 | \$ 244,000 | \$ 63,000 | \$ 23,969 | \$ 526,000 |
| Sewer Permit Fees | 1,100,000 | 1,300,000 | 600,000 | 969,328 | 957,700 |
| Miscellaneous | — | 500 | — | 111,855 | 6,200 |
| Reimbursements | 7,200,000 | 12,000,000 | — | — | — |
| Grants | 17,154,000 | 2,396,000 | 6,000,000 | — | 316,410 |
| Subtotal | \$ 26,419,000 | \$ 15,940,500 | \$ 6,663,000 | \$ 1,105,152 | \$ 1,806,310 |
| Adjustment to Net Assets Available for Projected Receipts | \$ — | \$ (10,193,800) | \$ — | \$ 810,100 | \$ 620,100 |
| Equity Transfer to Bond Redemption & Interest Fund | (9,530,800) | (9,168,400) | (9,173,000) | (5,961,200) | (3,599,000) |
| Total | \$ 66,763,200 | \$ 51,578,300 | \$ 52,490,000 | \$ 46,254,052 | \$ 49,127,410 |

**STORMWATER WORKING CASH FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2023 AND 2022**

| CURRENT ASSETS | ASSETS | | | |
|--|----------------------|-----------------------------|----------------------|-----------------------------|
| | 2023 | | 2022 | |
| | AMOUNT | AVAILABLE FOR APPROPRIATION | AMOUNT | AVAILABLE FOR APPROPRIATION |
| Cash & Investments | \$ 5,949,504 | \$ 5,949,504 | \$ 10,598,300 | \$ 10,598,300 |
| Due from Stormwater Management Fund | 31,200,000 | 31,200,000 | 26,500,000 | 26,500,000 |
| Total Current Assets | \$ 37,149,504 | \$ 37,149,504 | \$ 37,098,300 | \$ 37,098,300 |
| FUND EQUITY | | | | |
| Investment Income | | \$ 322,000 | | \$ 39,000 |
| Equity Transfer to Retirement Fund | | — | | — |
| ASSETS APPROPRIABLE FOR 2023 AND 2022 | | \$ 37,471,504 | | \$ 37,137,300 |
| FUND EQUITY | \$ 37,149,504 | | \$ 37,098,300 | |

**STORMWATER WORKING CASH FUND
APPROPRIABLE REVENUE
2023 - 2020**

| REVENUE DESCRIPTION | ESTIMATED | | | ACTUAL | |
|------------------------------------|-------------------|------------------|------------------|------------------|---------------------|
| | 2023 BUDGET | 2022 ADJUSTED | 2022 BUDGET | 2021 | 2020 |
| Investment Income | \$ 322,000 | \$ 50,000 | \$ 39,000 | \$ 44,120 | \$ 127,000 |
| Other Financing Sources (Uses) | | | | | |
| Equity Transfer to Retirement Fund | — | — | — | — | (1,000,000) |
| GRAND TOTAL | \$ 322,000 | \$ 50,000 | \$ 39,000 | \$ 44,120 | \$ (873,000) |

OTHER FUNDS FINANCIAL NARRATIVE

The Bond Redemption & Interest (B&I) Fund is a series of subfunds that account for the property tax levies and other revenues received to pay for the principal and interest of bonds issued by the District and State Revolving Fund loans. The 2023 property tax levy for the B&I Fund is \$248.5 million, a decrease of \$1.8 million, or 0.7 percent, from the 2022 Adjusted Budget. Appropriations and tax levies are adjusted for new bond sales or State Revolving Fund loans. In 2022, the District paid off the balance on five state revolving fund loans in the amount of \$43.0 million resulting in \$12.7 million savings in interest payments over 15 years. The 2023 appropriation for this fund is \$238.1 million, a decrease of \$43.1 million, or 15.3 percent from the 2022 Original Budget.

Property tax levy collections are invested prior to the time when actual principal and interest payments must be made. Investment income earned on tax collections is credited to the specific sub-funds for each bond issue. The amount of estimated investment income is reflective of low interest rates for 2022 with a projected year-end of \$0.6 million, while the 2023 estimate is \$1.9 million, an increase of \$1.8 million from the 2022 Original Budget. An equity transfer from the Stormwater Management Fund of \$9.5 million will be used for the principal and interest on two bonds, one refunding bond, and two State Revolving Fund loans, and an abatement in a corresponding amount is anticipated. A detailed presentation on the B&I Fund is found on pages 518 - 522.

The Reserve Claim Fund is the District's self-insurance fund, and is financed through an annual property tax levy of no more than one-half cent (0.5¢) per \$100 of the last known equalized assessed valuation (EAV). This one-half cent tax rate is the maximum allowed by state statute. For 2023, a \$7.5 million levy is budgeted. The available fund balance and amount available for appropriation for the Reserve Claim Fund are based on the net impact of current revenues and current expenditures.

The 2023 appropriation for this fund is \$46.0 million, an increase of \$1.5 million, or 3.5 percent, from the 2022 Adjusted Budget. The maximum fund balance that can be accumulated is 0.05 percent of the last known EAV. For the 2023 Budget, using the 2021 EAV, the maximum accumulation is estimated at \$86.4 million. The allowance for accounts payable and estimated liabilities is estimated at \$0.3 million. A detailed presentation of this fund begins on page 515.

The Retirement Fund receives the proceeds of the annual tax levy that the District extends on behalf of the Metropolitan Water Reclamation District Retirement Fund, a pension trust fund. The amount, as certified by the Retirement Fund Board, are levied by the District and appropriated when received. The property tax levy for 2023 is \$70.8 million, a decrease of \$1.2 million from the 2022 Adjusted Levy. The levy is calculated based on a statutory multiplier of 4.19 times employee contributions made two years prior, or 2021 and 2020, respectively. Additionally, \$18.1 million from Personal Property Replacement Tax is allocated to the Retirement Fund for 2023. Since hiring slowed during the 2020 pandemic, employee contributions decreased from 2019 to 2020, and continued to be low in 2021. Staffing levels are expected to return to pre-pandemic levels by 2023, resulting in expected increases to the retirement fund levy in 2024.

On April 22, 2022, the Governor signed Public Act 102-0707 allowing the District to issue up to \$600.0 million of Pension Obligation Bonds, the authorization has no sunset date, and the unlimited tax bonds would be excepted from debt service extension base limitations. The District will complete a full analysis of a potential bond sale based upon varying interest rates. Any bond issuance will only be pursued if an optimal low interest rate environment provided the opportunity. A \$249.2 million Pension Obligation Bond sale will be reflected as a transfer to the Retirement Fund in the appropriation.

The appropriable resources and appropriation consist of the collection of the previous year's property tax levy plus personal property replacement tax receipts. The 2022 appropriation included an equity transfer of \$30.0 million to the Retirement Fund to provide advance funding to maintain growth in the Retirement Fund's funded ratio. The 2023 appropriation for the employers contribution is \$117.9 million, a decrease of \$0.8 million, or 0.7 percent, from the 2022 Adjusted Budget and also includes an anticipated \$30.0 million transfer of excess revenue from the Corporate Fund. An additional amount of \$249.2 million is included in the appropriation and represents anticipated bond proceeds less transaction costs. An expanded presentation on the Retirement Fund is shown on pages 523 - 525.

**BOND REDEMPTION & INTEREST FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2023 AND 2022**

| | ASSETS | | | |
|--|-----------------------|------------------------------------|-----------------------|------------------------------------|
| | 2023 | | 2022 | |
| | AMOUNT | AVAILABLE FOR APPROPRIATION | AMOUNT | AVAILABLE FOR APPROPRIATION |
| CURRENT ASSETS | | | | |
| Cash & Investments | \$ 43,317,225 | \$ 43,317,225 | \$ 90,067,000 | \$ 90,067,000 |
| Restricted Cash | — | — | — | — |
| Deposits with Escrow Agent | — | — | — | — |
| Taxes Receivable | 241,504,635 | 244,007,273 | 242,756,943 | 243,600,474 |
| Prior Years Taxes Receivable | 44,987,822 | 44,987,822 | — | — |
| Total Current Assets | \$ 329,809,682 | \$ 332,312,320 | \$ 332,823,943 | \$ 333,667,474 |
| LIABILITIES & FUND EQUITY | | | | |
| CURRENT LIABILITIES | | | | |
| Bonds Payable | \$ 134,202,307 | | \$ 173,934,101 | |
| Interest Payable | 103,862,476 | | 107,211,635 | |
| Program Expense Payable | — | | — | |
| Equity Transfer | — | | — | |
| Total Current Liabilities | \$ 238,064,783 | | \$ 281,145,736 | |
| ASSETS APPROPRIABLE FOR 2023 AND 2022 | | | | |
| Net Assets Appropriable | | \$ 332,312,320 | | \$ 333,667,474 |
| Equity Transfer from Stormwater Management Fund | | 9,530,800 | | 9,173,000 |
| Equity Transfer from CIBF | | — | | 35,965,403 |
| Estimated Revenue | | 1,931,000 | | 151,000 |
| Total Assets Available | | \$ 343,774,120 | | \$ 378,956,877 |
| Liabilities Payable from Restricted Assets | | — | | — |
| Less: Assets Available for Future Years (Principal & Interest Payments) | | (105,709,337) | | (97,811,141) |
| Total Assets Appropriable | | \$ 238,064,783 | | \$ 281,145,736 |
| FUND EQUITY | | | | |
| Undesignated | \$ 91,744,899 | | \$ 51,678,207 | |
| TOTAL FUND EQUITY | \$ 91,744,899 | | \$ 51,678,207 | |
| Total Liabilities & Fund Equity | \$ 329,809,682 | | \$ 332,823,943 | |

BOND REDEMPTION & INTEREST FUND
APPROPRIABLE REVENUE
2023 - 2020

| REVENUE DESCRIPTION | ESTIMATED | | | ACTUAL | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 2023 BUDGET | 2022 ADJUSTED | 2022 BUDGET | 2021 | 2020 |
| Revenue from Taxes | | | | | |
| Real Estate | | | | | |
| Current | \$ 244,007,273 | \$ 245,272,559 | \$ 245,272,559 | \$ 241,131,121 | \$ 242,978,297 |
| Prior | 44,987,822 | (1,672,085) | (1,672,085) | (1,529,708) | (1,481,160) |
| Total | \$ 288,995,095 | \$ 243,600,474 | \$ 243,600,474 | \$ 239,601,413 | \$ 241,497,137 |
| Revenue from Money & Property | | | | | |
| Investment Income | \$ 1,931,000 | \$ 626,000 | \$ 151,000 | \$ 61,411 | \$ 771,000 |
| Revenue from Miscellaneous Sources | | | | | |
| Cash Available | 43,317,225 | 81,189,780 | 90,067,000 | 99,148,800 | 90,067,000 |
| Other | — | 2,000 | — | 3,160 | — |
| Other Financing Sources (Uses) | | | | | |
| Bond Premium | — | — | — | — | — |
| Sale of Capital Improvements Bonds (CIB) | — | — | — | — | — |
| Bond Redemption | — | — | — | — | — |
| Refunding Transaction Costs | — | — | — | — | — |
| Equity Transfer from CIBF | — | 35,965,403 | 35,965,403 | — | — |
| Equity Transfer from Stormwater Management Fund | 9,530,800 | 9,168,400 | 9,173,000 | 5,961,200 | 3,599,000 |
| Equity Transfer to Retirement Fund | — | — | — | — | (3,000,000) |
| Less: Amount to Be Expended After Budget Year | (105,709,337) | (89,406,321) | (97,811,141) | (112,650,134) | (99,912,270) |
| GRAND TOTAL | \$ 238,064,783 | \$ 281,145,736 | \$ 281,145,736 | \$ 232,125,850 | \$ 233,021,867 |

**RESERVE CLAIM FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2023 AND 2022**

| | ASSETS | | | |
|---|----------------------|-----------------------------------|----------------------|-----------------------------------|
| | 2023 | | 2022 | |
| | AMOUNT | AVAILABLE FOR APPROPRIATION | AMOUNT | AVAILABLE FOR APPROPRIATION |
| CURRENT ASSETS | | | | |
| Cash & Investments | \$ 36,689,089 | \$ 36,689,089 | \$ 37,389,400 | \$ 37,389,400 |
| Taxes Receivable | 7,237,500 | 7,312,500 | 7,237,500 | 7,276,900 |
| Prior Years Taxes Receivable | 1,409,611 | 1,409,611 | — | — |
| Total Current Assets | \$ 43,926,589 | \$ 45,411,200 | \$ 44,626,900 | \$ 44,666,300 |
| LIABILITIES & FUND EQUITY | | | | |
| ACCOUNTS PAYABLE & OTHER LIABILITIES | \$ 275,000 | \$ 275,000 | \$ 275,000 | \$ 275,000 |
| ASSETS APPROPRIABLE FOR 2023 AND 2022 | | | | |
| Net Assets Appropriable | | \$ 45,136,200 | | \$ 44,391,300 |
| Equity Transfer to Bond and Interest Fund | | — | | — |
| Estimated Revenue | | 878,000 | | 74,000 |
| Total Assets Appropriable | | \$ 46,014,200 | | \$ 44,465,300 |
| FUND EQUITY | \$ 43,651,589 | | \$ 44,351,900 | |
| Total Liabilities & Fund Equity | \$ 43,926,589 | | \$ 44,626,900 | |

**RESERVE CLAIM FUND
APPROPRIABLE REVENUE
2023 - 2020**

| REVENUE DESCRIPTION | ESTIMATED | | | ACTUAL | |
|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | 2023 BUDGET | 2022 ADJUSTED | 2022 BUDGET | 2021 | 2020 |
| Revenue from Taxes | | | | | |
| Real Estate - Current | \$ 7,312,500 | \$ 5,626,896 | \$ 7,312,500 | \$ 7,243,161 | \$ 7,282,130 |
| Real Estate - Prior | 1,409,611 | (56,451) | (35,600) | (482) | (58,770) |
| Replacement Tax | — | — | — | — | — |
| SUBTOTAL | \$ 8,722,111 | \$ 5,570,445 | \$ 7,276,900 | \$ 7,242,680 | \$ 7,223,360 |
| Investment Income | 878,000 | 216,000 | 74,000 | 90,298 | 390,701 |
| Miscellaneous | — | 250 | — | 241 | 885 |
| GRAND TOTAL | \$ 9,600,111 | \$ 5,786,695 | \$ 7,350,900 | \$ 7,333,219 | \$ 7,614,946 |

**RETIREMENT FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2023 AND 2022**

| CURRENT ASSETS | ASSETS | | | |
|--|----------------------|-----------------------------|----------------------|-----------------------------|
| | 2023 | | 2022 | |
| | AMOUNT | AVAILABLE FOR APPROPRIATION | AMOUNT | AVAILABLE FOR APPROPRIATION |
| Taxes Receivable | \$ 69,682,774 | \$ 69,532,000 | \$ 70,195,500 | \$ 70,195,500 |
| Replacement Tax | 18,383,000 | 18,383,000 | 18,558,500 | 18,558,500 |
| Total Current Assets | \$ 88,065,774 | \$ 87,915,000 | \$ 88,754,000 | \$ 88,754,000 |
| LIABILITIES & FUND EQUITY | | | | |
| ASSETS APPROPRIABLE FOR 2023 AND 2022 | | | | |
| Net Assets Appropriable | | \$ 87,915,000 | | \$ 88,754,000 |
| Transfer of Budget Reserve from Corporate Fund | | 30,000,000 | | 30,000,000 |
| Total Assets Appropriable Due to Retirement Fund (Employers Contribution) | | \$ 117,915,000 | | \$ 118,754,000 |
| Other Financing Sources (Uses) | | | | |
| Pension Obligation Bond Proceeds | | \$ 249,204,500 | | \$ — |
| Total Assets Appropriable | | \$ 367,119,500 | | \$ 118,754,000 |
| FUND EQUITY | | | | |
| Total Fund Equity | \$ 88,065,774 | | \$ 88,754,000 | |

**RETIREMENT FUND
APPROPRIABLE REVENUE
2023 - 2020**

| REVENUE DESCRIPTION | ESTIMATED | | | ACTUAL | |
|--|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|
| | 2023 BUDGET | 2022 ADJUSTED | 2022 BUDGET | 2021 | 2020 |
| Revenue from Taxes | | | | | |
| Real Estate - Current | \$ 69,532,000 | \$ 70,195,500 | \$ 70,195,500 | \$ 69,699,634 | \$ 69,060,611 |
| Replacement Tax | 18,383,000 | 18,558,500 | 18,558,500 | 18,427,400 | 18,258,400 |
| TOTAL TAX REVENUE | \$ 87,915,000 | \$ 88,754,000 | \$ 88,754,000 | \$ 88,127,034 | \$ 87,319,011 |
| Other Financing Sources (Uses) | | | | | |
| Transfer of Budget Reserve from Corporate Fund | \$ 30,000,000 | \$ 30,000,000 | \$ 30,000,000 | \$ — | \$ — |
| Pension Obligation Bond Proceeds | 249,204,500 | | | | |
| Equity Transfer from Corporate Working Cash Fund | — | — | | | 6,000,000 |
| Equity Transfer from Stormwater Working Cash Fund | — | — | | | 1,000,000 |
| Equity Transfer from Construction Working Cash Fund | — | — | | | 1,000,000 |
| Equity Transfer from Capital Improvements Bond Fund | — | — | | | 9,000,000 |
| Equity Transfer from Bond Redemption & Interest Fund | — | — | | | 3,000,000 |
| Total Other Financing Sources | \$ 279,204,500 | \$ 30,000,000 | \$ 30,000,000 | \$ — | \$ 20,000,000 |
| GRAND TOTAL | \$ 367,119,500 | \$ 118,754,000 | \$ 118,754,000 | \$ 88,127,034 | \$ 107,319,011 |

SECTION IV

CORPORATE FUND

The Corporate Fund provides for day-to-day staff services as well as the operations and maintenance of water reclamation plants, pumping stations, collection sewers, tunnels, and related facilities. This section provides appropriation detail for the operations and support departments.

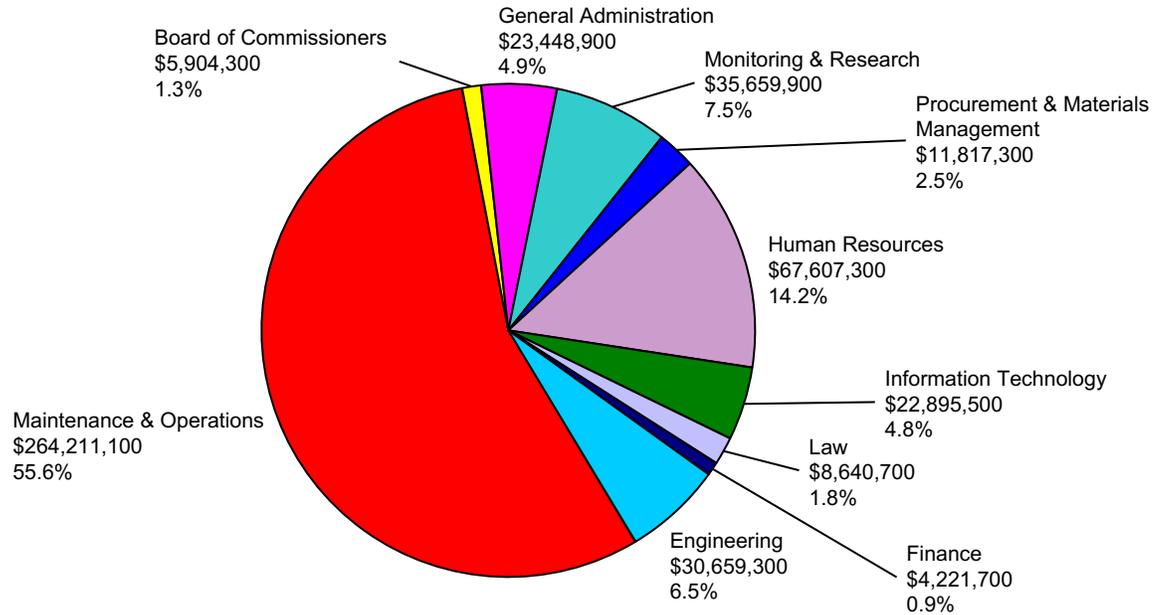
Graphs indicate staffing, appropriations, and expenditures budgeted from 2014 through 2023. The structure of sub-units and sections, the number of actual 2021 full-time equivalent (FTE) positions, as well as FTE positions budgeted for 2022 and 2023 are shown in the organization chart. In this section, and throughout the Budget, actual expenditures are used for 2021 with estimated costs for 2022 and budgeted costs for 2023. Additional information for each department includes:

- A *Narrative* explanation of the responsibilities of the department, changes in appropriation from the 2022 Budget, accomplishments during 2022, and significant features for the 2023 Budget. The mission statement, major goals, and initiatives are also provided.
- A list of *Objectives by Priority* describes each objective, assigns the costs associated with it, and indicates its percentage of the total department budget.
- *Programs by Priority* includes major department functions, projected costs, and staffing levels with comparison to budgeted 2022. Actual costs are shown for 2021.
- *Performance Data* measures specific department activities by cost and, where possible, measurable units, and compares budgeted costs for 2023 and 2022 with actual costs for 2021.
- The *Line Item Analysis* provides detailed line item appropriations over a three-year period. Appropriations for 2023 are shown as proposed by the Executive Director, subsequently recommended by the Committee on Budget and Employment, and ultimately adopted and amended by the Board of Commissioners. Original and adjusted appropriations and estimated expenditures are shown for 2022. Actual 2021 expenditures are provided.
- The *Position Analysis* provides comparative departmental personnel position information for the previous, current, and budget years. Position counts and appropriations for the current and budget years are provided as totals by section or unit, division, and department. The pay plan and grade for each class title is provided and can be used to reference the salary schedules contained in the appendix to determine the applicable salary range. The 2023 salary appropriation is adjusted for vacancies in the Line Item Analysis.

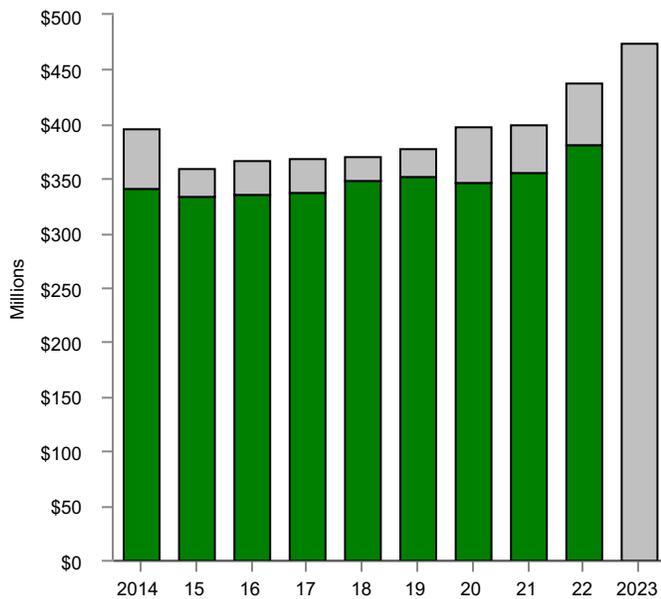
| | |
|--|-----|
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CORPORATE FUND FUNCTIONS

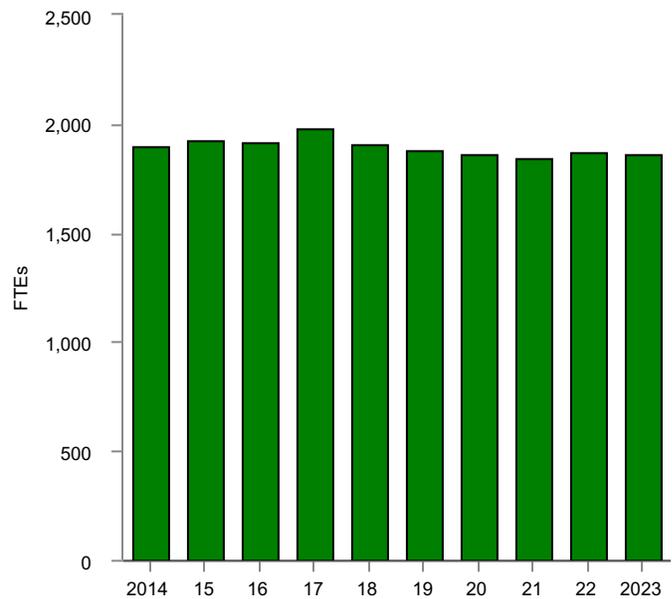
| | |
|----------|---------------|
| 2023 | \$475,066,000 |
| 2022 | \$438,501,500 |
| Increase | \$36,564,500 |



APPROPRIATIONS & EXPENDITURES



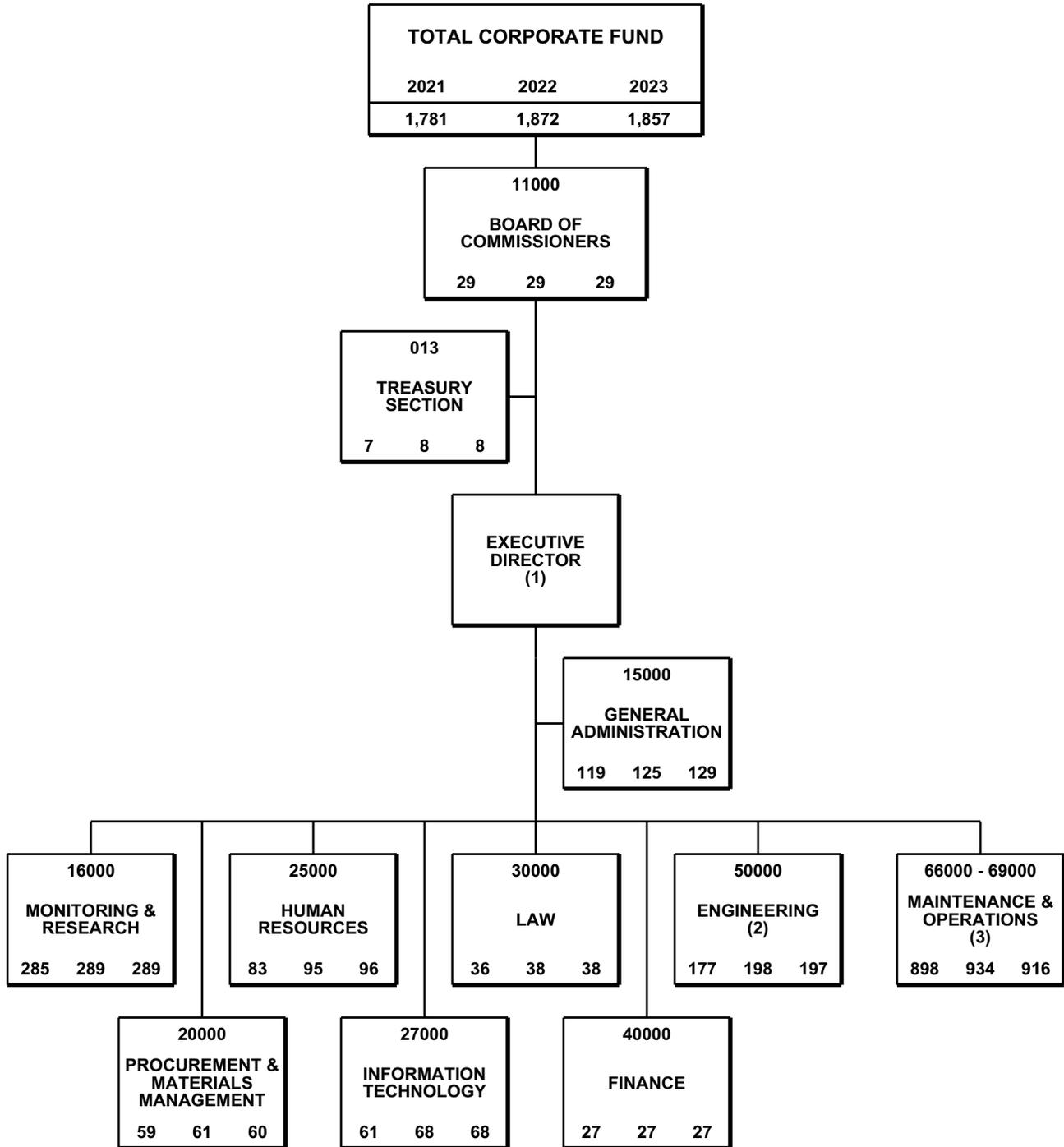
BUDGETED FTE POSITIONS



2022 Expenditures are estimated

EXPENDITURES
 APPROPRIATIONS

CORPORATE FUND



- (1) Personnel count for the Executive Director's Office is reflected in General Administration.
- (2) 72 positions are funded by the Stormwater Management Fund, the management of which remains in the Engineering Department.
- (3) 28 positions are funded by the Stormwater Management Fund, the management of which remains in the Maintenance & Operations Department.

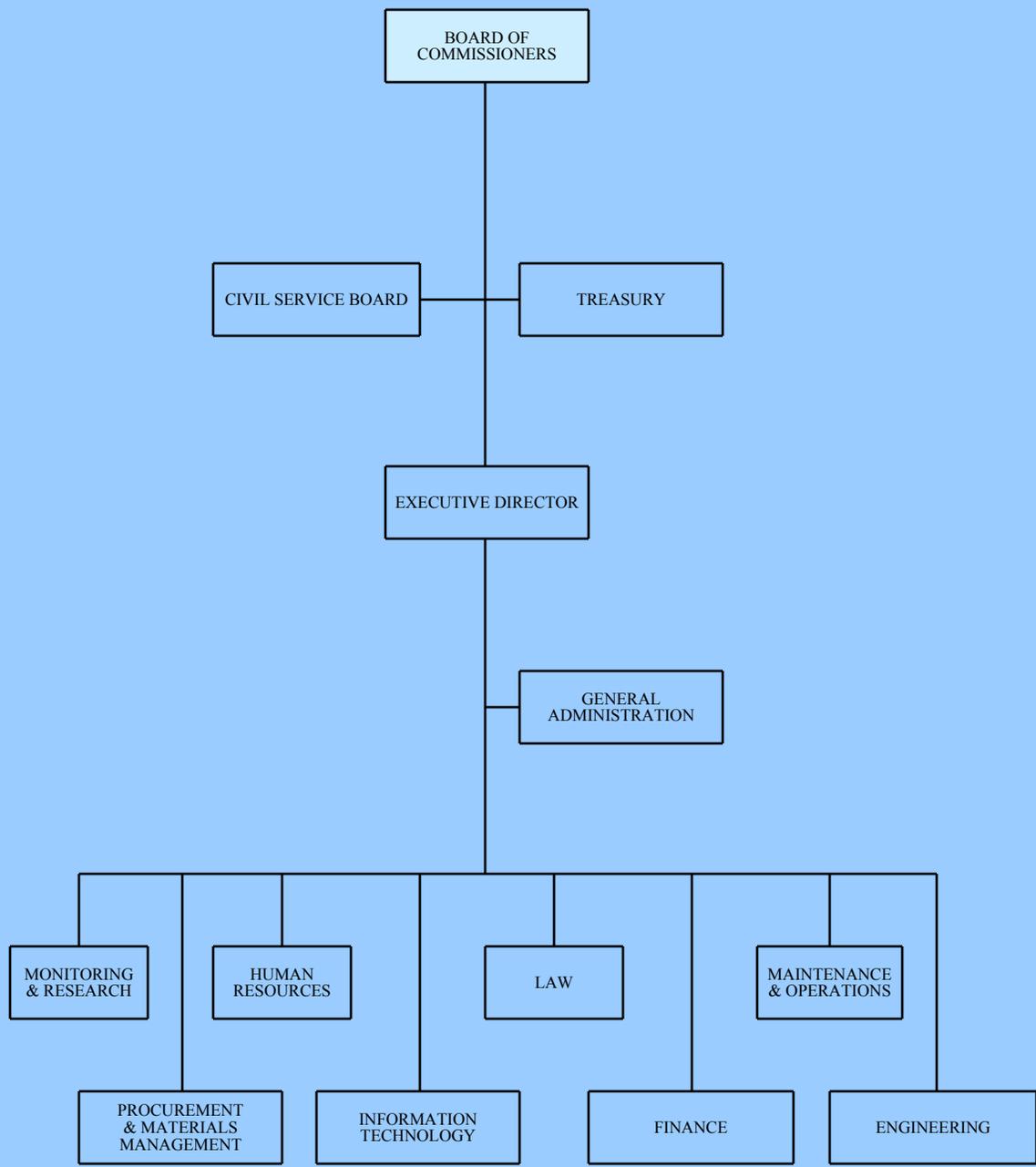
| 101 11000 - 69000 | Fund: Corporate Department: All | LINE ITEM ANALYSIS | | | | | | |
|-------------------------|--|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$178,013,216 | \$ 196,641,700 | \$ 196,972,100 | \$183,643,700 | \$200,890,000 | \$ 200,806,700 | \$ 205,916,600 |
| 601060 | Compensation Plan Adjustments | 7,768,613 | 11,261,500 | 10,431,100 | 7,955,400 | 9,650,400 | 9,645,700 | 9,683,900 |
| 601070 | Social Security and Medicare Contributions | 2,627,337 | 3,056,400 | 3,056,400 | 2,701,600 | 3,089,500 | 3,089,500 | 3,089,500 |
| 601080 | Salaries of Nonbudgeted Employees | 23,874 | 5,000 | 5,000 | 4,700 | 5,000 | 5,000 | 5,000 |
| 601090 | Employee Claims | 90,936 | 100,000 | 100,000 | — | 100,000 | 100,000 | 100,000 |
| 601100 | Tuition and Training Payments | 467,310 | 1,449,800 | 1,449,800 | 824,100 | 1,362,700 | 1,362,700 | 1,477,700 |
| 601250 | Health and Life Insurance Premiums | 42,629,560 | 48,656,300 | 48,591,300 | 45,960,900 | 51,206,900 | 51,206,900 | 51,006,900 |
| 601270 | General Salary Adjustments | — | — | — | — | 3,694,600 | 3,694,600 | — |
| 601300 | Personal Services, N.O.C. (Not Otherwise Classified) | 340,086 | 987,000 | 987,000 | 497,000 | 1,001,500 | 1,001,500 | 1,001,500 |
| 100 | TOTAL PERSONAL SERVICES | 231,960,932 | 262,157,700 | 261,592,700 | 241,587,400 | 271,000,600 | 270,912,600 | 272,281,100 |
| 612010 | Travel | 1,174 | 124,300 | 124,300 | 54,400 | 131,700 | 131,700 | 131,700 |
| 612030 | Meals and Lodging | 31,528 | 248,100 | 246,900 | 151,300 | 272,500 | 272,500 | 272,500 |
| 612040 | Postage, Freight, and Delivery Charges | 65,722 | 97,300 | 97,800 | 91,700 | 100,300 | 100,300 | 100,300 |
| 612050 | Compensation for Personally-Owned Automobiles | 94,305 | 170,000 | 169,500 | 98,700 | 162,000 | 162,000 | 162,000 |
| 612080 | Motor Vehicle Operating Services | 49,706 | 71,000 | 72,600 | 62,800 | 71,900 | 71,900 | 71,900 |
| 612090 | Reprographic Services | 26,641 | 178,800 | 163,800 | 27,000 | 173,800 | 173,800 | 173,800 |
| 612150 | Electrical Energy | 33,664,704 | 50,934,700 | 49,634,700 | 39,259,000 | 55,892,100 | 55,892,100 | 55,630,100 |
| 612160 | Natural Gas | 2,708,300 | 4,017,600 | 4,032,600 | 3,331,900 | 6,932,300 | 6,932,300 | 6,932,300 |
| 612170 | Water and Water Services | 1,702,060 | 1,918,100 | 1,918,100 | 1,475,900 | 1,975,800 | 1,975,800 | 1,975,800 |
| 612210 | Communication Services | 2,098,378 | 2,526,100 | 2,526,100 | 1,741,000 | 2,515,800 | 2,515,800 | 2,430,600 |
| 612240 | Testing and Inspection Services | 1,172,327 | 1,532,700 | 1,532,700 | 1,318,300 | 3,205,900 | 3,205,900 | 3,205,900 |
| 612250 | Court Reporting Services | 51,004 | 93,000 | 103,000 | 106,100 | 116,000 | 116,000 | 116,000 |
| 612260 | Medical Services | 96,047 | 528,600 | 378,600 | 150,000 | 555,700 | 555,700 | 665,700 |
| 612280 | Subscriptions and Membership Dues | 902,436 | 913,200 | 913,200 | 908,200 | 942,000 | 942,000 | 942,000 |
| 612290 | Insurance Premiums | 3,946,951 | 4,221,400 | 4,371,400 | 4,370,700 | 4,598,000 | 4,598,000 | 4,598,000 |
| 612330 | Rental Charges | 276,029 | 365,200 | 365,200 | 313,300 | 1,471,000 | 1,472,500 | 507,700 |
| 612340 | Discount Lost | 2,816 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 |
| 612360 | Advertising | 102,399 | 181,500 | 181,500 | 108,500 | 179,000 | 179,000 | 179,000 |
| 612370 | Administration Building Operation | 1,253,839 | 1,297,400 | 1,297,400 | 1,187,200 | 1,251,800 | 1,251,800 | 1,251,800 |
| 612390 | Administration Building McMillan Pavilion Operation | 648,370 | 836,500 | 836,500 | 699,100 | 811,900 | 811,900 | 811,900 |
| 612400 | Intergovernmental Agreements | 99,094 | 149,600 | 149,600 | 126,000 | 80,000 | 80,000 | 80,000 |
| 612410 | Governmental Service Charges | 3,856,911 | 4,100,700 | 4,100,700 | 4,092,800 | 4,371,700 | 4,371,700 | 4,371,700 |

| 101 11000 - 69000 | Fund: Corporate Department: All | LINE ITEM ANALYSIS | | | | | | |
|-------------------------|--|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 612420 | Maintenance of Grounds and Pavements | 1,568,551 | 1,943,400 | 1,580,100 | 968,400 | 2,422,200 | 2,366,200 | 2,366,200 |
| 612430 | Payments for Professional Services | 2,922,748 | 7,484,000 | 7,020,500 | 4,035,100 | 7,390,100 | 7,390,100 | 7,767,400 |
| 612440 | Preliminary Engineering Reports and Studies | 13,239 | 20,000 | 20,000 | 19,900 | — | — | — |
| 612490 | Contractual Services, N.O.C. | 1,216,091 | 1,330,100 | 1,328,600 | 1,006,000 | 1,902,700 | 1,996,700 | 2,008,700 |
| 612520 | Waste Material Disposal Charges | 12,261,782 | 13,273,700 | 13,273,700 | 11,842,700 | 14,384,500 | 14,384,500 | 14,384,500 |
| 612530 | Farming Services | 8,280 | 90,000 | 90,000 | 60,000 | 89,200 | 89,200 | 89,200 |
| 612590 | Sludge Disposal | 4,488,774 | 4,500,000 | 5,800,000 | 5,450,000 | 5,800,000 | 5,800,000 | 5,800,000 |
| 612600 | Repairs to Collection Facilities | 2,779,393 | 4,138,300 | 4,708,400 | 3,260,000 | 5,649,100 | 5,649,100 | 5,649,100 |
| 612620 | Repairs to Waterway Facilities | 139,427 | 582,900 | 384,700 | 139,200 | 410,100 | 410,100 | 410,100 |
| 612650 | Repairs to Process Facilities | 9,659,348 | 16,556,400 | 15,663,500 | 12,306,900 | 14,640,200 | 14,640,200 | 14,772,200 |
| 612670 | Repairs to Railroads | 1,007,413 | 719,000 | 979,700 | 720,600 | 476,000 | 476,000 | 476,000 |
| 612680 | Repairs to Buildings | 1,176,259 | 2,015,600 | 2,047,900 | 1,021,300 | 3,104,700 | 3,066,700 | 3,116,700 |
| 612760 | Repairs to Material Handling and Farming Equipment | 842,605 | 357,900 | 400,100 | 355,600 | 436,000 | 436,000 | 436,000 |
| 612780 | Safety Repairs and Services | 432,983 | 581,700 | 594,400 | 505,200 | 540,000 | 540,000 | 540,000 |
| 612790 | Repairs to Marine Equipment | 23,545 | 36,300 | 36,300 | 34,700 | 36,600 | 36,600 | 36,600 |
| 612800 | Repairs to Office Furniture and Equipment | 81,588 | 85,700 | 85,700 | 71,400 | 85,500 | 85,500 | 85,500 |
| 612810 | Computer Equipment Maintenance | 191,503 | 675,000 | 724,500 | 590,800 | 349,800 | 349,800 | 349,800 |
| 612820 | Computer Software Maintenance | 4,682,619 | 5,831,000 | 5,832,000 | 4,220,500 | 5,981,600 | 6,021,600 | 6,315,500 |
| 612840 | Communications Equipment Maintenance (Includes Software) | 707,754 | 816,100 | 816,100 | 687,800 | 851,700 | 851,700 | 851,700 |
| 612860 | Repairs to Vehicle Equipment | 444,894 | 643,400 | 652,000 | 462,300 | 517,100 | 517,100 | 563,700 |
| 612970 | Repairs to Testing and Laboratory Equipment | 300,605 | 353,900 | 353,900 | 301,500 | 421,300 | 421,300 | 411,300 |
| 612990 | Repairs, N.O.C. | 10,106 | 23,500 | 23,500 | 7,200 | 25,200 | 25,200 | 25,200 |
| 200 | TOTAL CONTRACTUAL SERVICES | 97,810,248 | 136,566,700 | 135,634,800 | 107,744,000 | 151,327,800 | 151,369,300 | 151,069,100 |
| 623030 | Metals | 150,162 | 160,100 | 296,600 | 288,900 | 285,500 | 285,500 | 285,500 |
| 623070 | Electrical Parts and Supplies | 2,880,212 | 3,953,000 | 4,608,000 | 3,370,100 | 5,960,100 | 5,960,100 | 5,875,100 |
| 623090 | Plumbing Accessories and Supplies | 1,000,052 | 1,144,700 | 1,474,700 | 1,299,100 | 1,677,400 | 1,652,400 | 1,652,400 |
| 623110 | Hardware | 87,641 | 110,800 | 110,800 | 98,700 | 103,500 | 103,500 | 103,500 |
| 623130 | Buildings, Grounds, Paving Materials, and Supplies | 270,495 | 406,800 | 401,800 | 359,000 | 476,600 | 476,600 | 476,600 |
| 623170 | Fiber, Paper, and Insulation Materials | 42,092 | 68,300 | 68,300 | 52,200 | 66,500 | 66,500 | 66,500 |
| 623190 | Paints, Solvents, and Related Materials | 39,609 | 56,900 | 46,900 | 35,200 | 56,300 | 56,300 | 56,300 |

| 101 11000 - 69000 | Fund: Corporate Department: All | LINE ITEM ANALYSIS | | | | | | |
|-------------------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 623250 | Vehicle Parts and Supplies | 90,234 | 228,300 | 295,800 | 241,000 | 243,800 | 243,800 | 243,800 |
| 623270 | Mechanical Repair Parts | 3,795,816 | 5,670,900 | 5,950,800 | 4,982,400 | 7,051,500 | 7,051,500 | 7,051,500 |
| 623300 | Manhole Materials | — | 70,000 | 70,000 | — | 70,000 | 70,000 | 70,000 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 211,166 | 374,500 | 382,600 | 278,900 | 388,800 | 388,800 | 406,800 |
| 623530 | Farming Supplies | 14,498 | 18,000 | 18,000 | 16,500 | 22,000 | 22,000 | 22,000 |
| 623560 | Processing Chemicals | 10,462,629 | 14,290,600 | 14,157,700 | 11,563,000 | 19,396,200 | 19,396,200 | 19,396,200 |
| 623570 | Laboratory Testing Supplies, Small Equipment, and Chemicals | 865,439 | 1,246,700 | 1,371,700 | 1,211,400 | 1,459,400 | 1,459,400 | 1,517,800 |
| 623660 | Cleaning Supplies | 212,083 | 298,800 | 323,800 | 308,700 | 297,300 | 297,300 | 297,300 |
| 623680 | Tools and Supplies | 336,647 | 415,700 | 405,200 | 335,500 | 443,900 | 443,900 | 443,900 |
| 623700 | Wearing Apparel | 304,572 | 416,800 | 296,900 | 222,600 | 314,900 | 314,900 | 314,900 |
| 623720 | Books, Maps, and Charts | 14,703 | 26,200 | 26,200 | 15,500 | 27,000 | 27,000 | 27,000 |
| 623780 | Safety and Medical Supplies | 308,437 | 413,800 | 410,800 | 337,400 | 397,800 | 397,800 | 397,800 |
| 623800 | Computer Software | 167,168 | 304,400 | 278,900 | 234,000 | 303,100 | 303,100 | 326,300 |
| 623810 | Computer Supplies | 302,939 | 1,103,600 | 1,538,600 | 1,160,800 | 1,167,400 | 1,167,400 | 1,167,400 |
| 623820 | Fuel | 539,098 | 757,700 | 773,800 | 742,500 | 995,500 | 1,023,800 | 1,023,800 |
| 623840 | Gases | 85,237 | 85,400 | 100,400 | 100,300 | 110,500 | 110,500 | 110,500 |
| 623850 | Communications Supplies | 83,134 | 201,100 | 224,100 | 196,300 | 384,100 | 342,600 | 309,100 |
| 623860 | Lubricants | 340,879 | 299,600 | 407,000 | 402,900 | 355,400 | 380,400 | 380,400 |
| 623990 | Materials and Supplies, N.O.C. | 199,198 | 314,700 | 261,900 | 205,500 | 387,200 | 387,200 | 387,200 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 22,804,138 | 32,437,400 | 34,301,300 | 28,058,400 | 42,441,700 | 42,428,500 | 42,409,600 |
| 634600 | Equipment for Collection Facilities | 20,467 | 115,000 | 95,000 | 51,300 | 122,500 | 122,500 | 122,500 |
| 634620 | Equipment for Waterway Facilities | 87,017 | 54,000 | 54,000 | 53,600 | — | — | — |
| 634650 | Equipment for Process Facilities | 394,668 | 923,000 | 821,000 | 461,400 | 1,108,000 | 1,108,000 | 1,593,000 |
| 634670 | Railroad Equipment | 24,958 | — | — | — | — | — | — |
| 634760 | Material Handling and Farming Equipment | 319,087 | 420,000 | 440,000 | 350,000 | 313,000 | 313,000 | 1,502,000 |
| 634780 | Safety and Medical Equipment | — | — | — | — | 55,000 | 55,000 | 55,000 |
| 634790 | Marine Equipment | — | — | — | — | 150,000 | 150,000 | 150,000 |
| 634800 | Office Furniture and Equipment | — | 21,500 | 21,500 | 21,500 | — | — | 40,000 |
| 634810 | Computer Equipment | 51,461 | 1,215,000 | 1,215,000 | 1,116,300 | 1,245,000 | 1,245,000 | 1,245,000 |
| 634820 | Computer Software | 361,567 | 449,500 | 499,500 | 270,900 | 110,000 | 110,000 | 226,500 |
| 634840 | Communications Equipment (Includes Software) | — | 50,000 | 21,000 | 20,600 | 105,800 | 105,800 | 105,800 |
| 634860 | Vehicle Equipment | 963,169 | 2,419,000 | 2,204,800 | 1,090,200 | 2,086,200 | 2,086,200 | 2,135,500 |

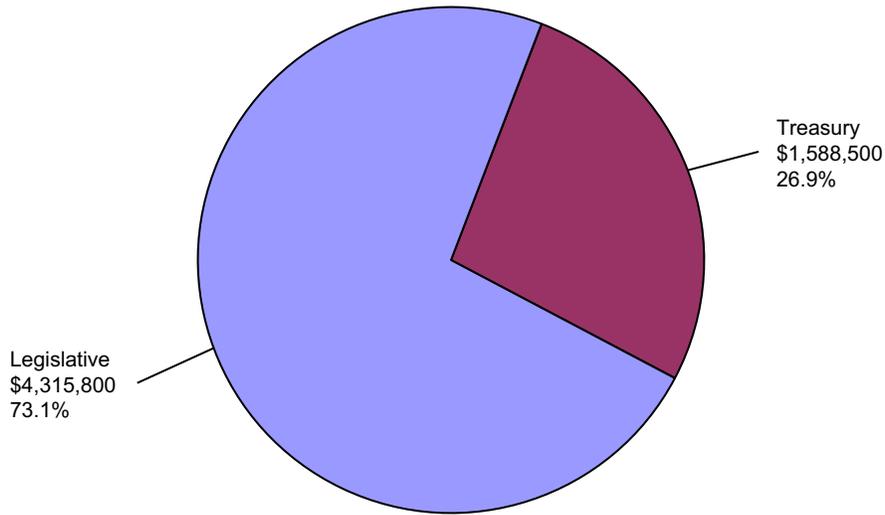
| 101 11000 - 69000 Fund: Corporate Department: All | | LINE ITEM ANALYSIS | | | | | | |
|---|----------------------------------|----------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 634970 | Testing and Laboratory Equipment | 535,106 | 456,700 | 406,700 | 406,700 | 660,200 | 670,300 | 621,900 |
| 634990 | Machinery and Equipment, N.O.C. | 89,072 | 453,000 | 431,200 | 158,800 | 1,095,000 | 1,095,000 | 729,000 |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 2,846,572 | 6,576,700 | 6,209,700 | 4,001,300 | 7,050,700 | 7,060,800 | 8,526,200 |
| 667130 | Taxes on Real Estate | 693,534 | 763,000 | 763,000 | 707,800 | 780,000 | 780,000 | 780,000 |
| 700 | TOTAL FIXED AND OTHER CHARGES | 693,534 | 763,000 | 763,000 | 707,800 | 780,000 | 780,000 | 780,000 |
| TOTAL CORPORATE FUND | | \$356,115,424 | \$ 438,501,500 | \$ 438,501,500 | \$382,098,900 | \$472,600,800 | \$ 472,551,200 | \$ 475,066,000 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

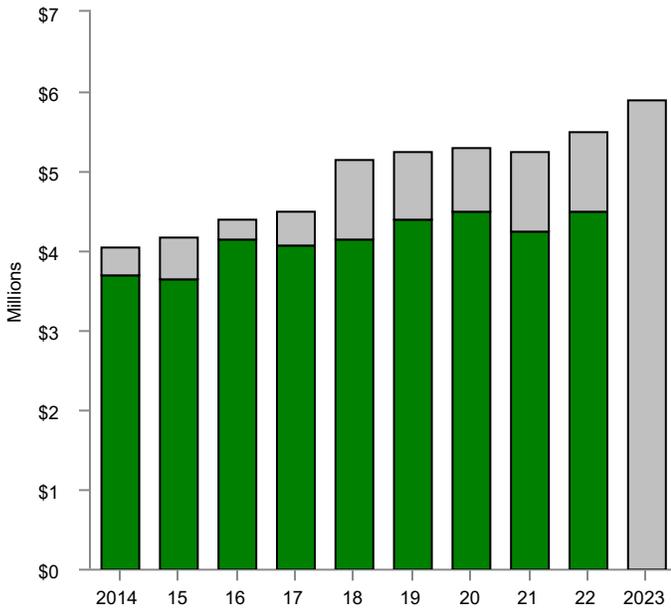


BOARD OF COMMISSIONERS FUNCTIONS

| | |
|----------|-------------|
| 2023 | \$5,904,300 |
| 2022 | \$5,501,100 |
| Increase | \$403,200 |



APPROPRIATIONS & EXPENDITURES

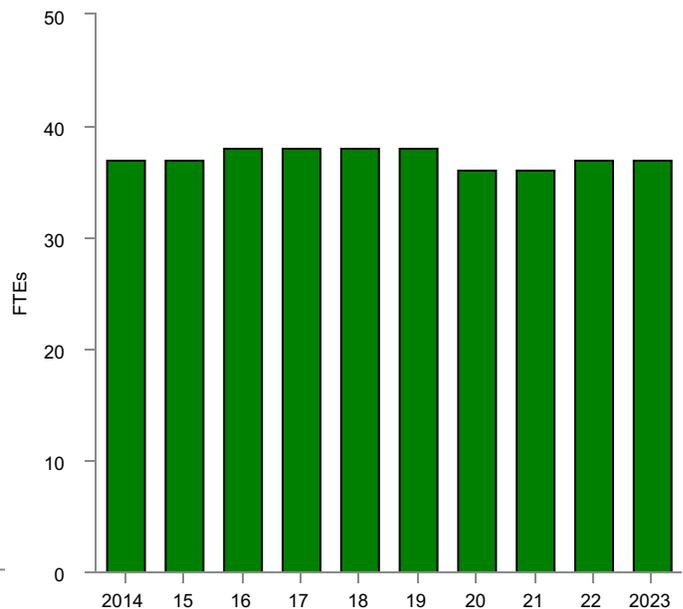


2022 Expenditures are estimated

EXPENDITURES APPROPRIATIONS

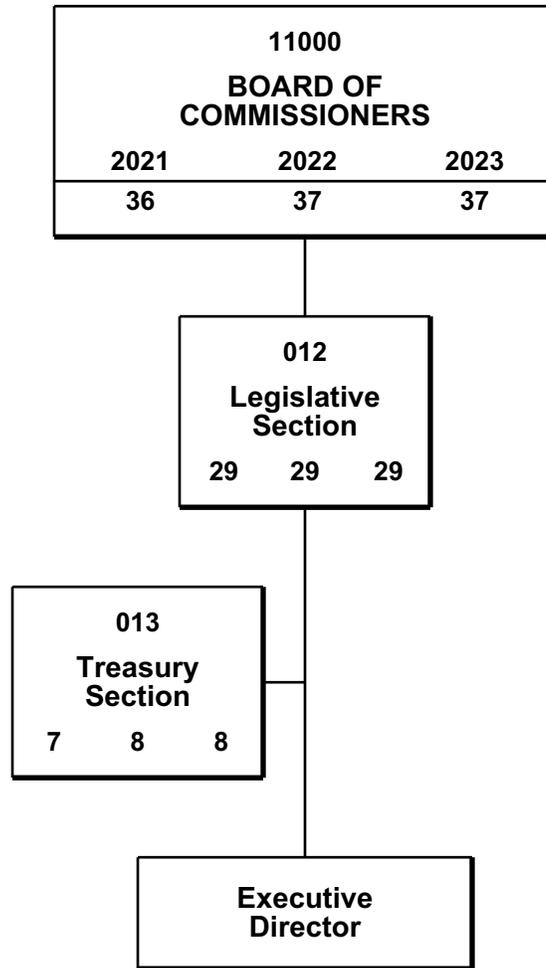
2018 - Increase is due to the addition of an Inspector General to the Legislative Section.

BUDGETED FTE POSITIONS



2022 - Increase is due to the addition of a Financial Analyst position to the Treasury Section to support the five-year Strategic Plan's implementation efforts.

BOARD OF COMMISSIONERS



BOARD OF COMMISSIONERS

The mission of the Board of Commissioners is the mission of the Metropolitan Water Reclamation District of Greater Chicago (District): to protect the health and safety of the public in its service area, protect the quality of the water supply source (Lake Michigan), improve the quality of water in watercourses in its service area, protect businesses and homes from flood damages, and manage water as a vital resource for its service area.

The mission of the Treasury Section is to provide quality management of the District's financial resources by maximizing income on investments with minimal risk, issuing bonds to finance the wastewater collection, treatment, and flood control facilities' capital needs, cost-effectively meeting the cash requirements of the District's operations through the utilization of appropriate technology and efficient banking practices, and maintaining the District's outstanding bond rating.

Departmental Summary

The Board of Commissioners comprises two sections: Legislative and Treasury. The Legislative Section is the policy-making entity of the District, responsible for establishing policies and procedures consistent with the District's mission of protecting the water environment for the citizens of Cook County and providing a forum to facilitate community involvement. The Treasury Section is responsible for the collection and investment of District revenues, the issuance of bonds to meet District capital requirements, the payment of principal and interest on outstanding bonds as required, and the maintenance of the District's bond ratings.

Summary of 2022 Major Accomplishments

- Investment interest income earned for the year was approximately \$6.5 million, an increase from the previous year due to a rising rate environment. As of year-end, the District experienced no loss on investments;
- Investment activities incorporated sustainability considerations according to the revised Investment Policy and guidelines implemented in December 2019. 100.0 percent of the District's applicable commercial paper holdings met policy guidelines for environmental, social, and governance factors at the time of purchase. Additionally, all government agency and municipal bond investments in the District's inventory directly or indirectly support environmental, social, and governance practices;
- The District prepaid \$43.0 million in State Revolving Fund Loans which will result in \$12.7 million of future interest savings over 15 years;
- The District continued toward the funding policy goals for the Retirement Fund and the Other Postemployment Benefits (OPEB) Trust Fund. As of December 31, 2021, the Retirement Fund's funded ratio was 58.7 percent and the OPEB Trust Fund's funded ratio was 92.2 percent;
- The District received legislative authority to issue \$600 million in pension obligation bonds. The District is closely monitoring the economic environment to determine when issuance is feasible;
- The District was upgraded to a AA+ stable credit rating by S&P Global in recognition of its comprehensive operational management policies, extremely strong liquidity, and affordable service rates.

2023 Appropriation and Position Summary

The 2023 appropriation for the Board of Commissioners is \$5,904,300, an increase of \$403,200, or 7.3 percent, from 2022. The staffing level remains unchanged at 37 positions.

2023 Budget Highlights

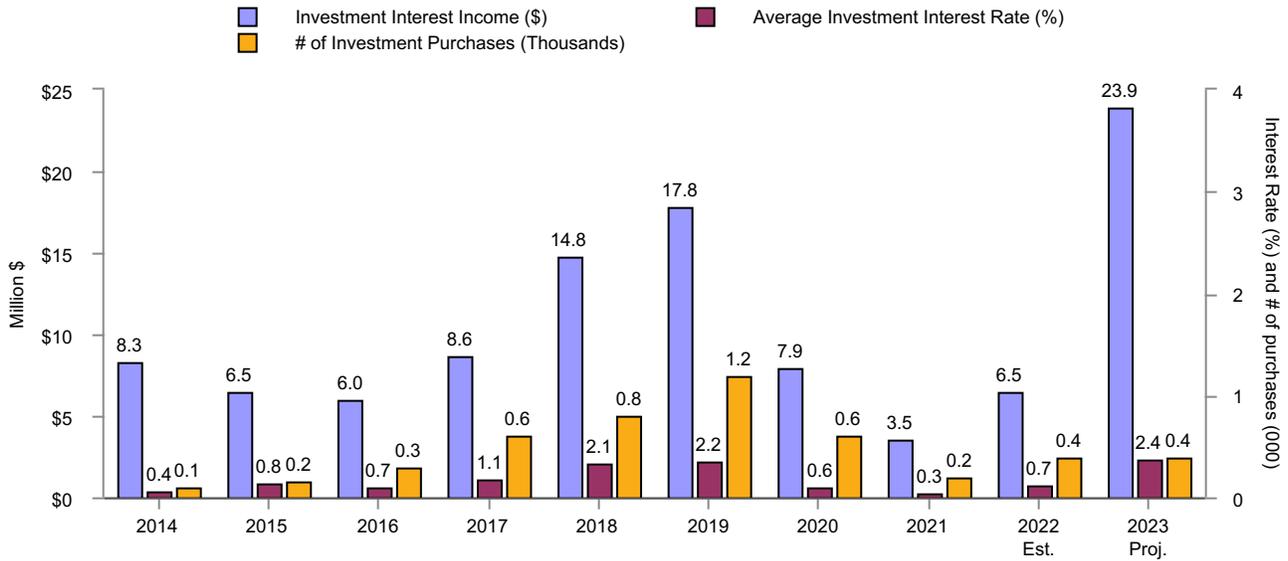
The following budget highlights support the District's Strategic Plan Goal of Enterprise Resilience, ensuring ongoing services that are reliable, equitable, and cost-effective, preparing for other manmade and natural events, and strengthening the MWRD's operational and financial positions.

Maintaining strong fiscal management

- Yields on investments are expected to increase substantially in anticipation of continued rate increases by the Federal Reserve to combat inflation. In every rate environment, the Treasury Section will continually maximize investment yields while adhering to statutory and investment policy guidelines. The investment interest income estimate is \$23.9 million for 2023;
- The Legislative Section will continue an agreement with the Cook County Office of the Independent Inspector General in 2023. Inspectors General are accountable to the taxpayers with a role to detect and prevent waste, fraud, and abuse, thereby building trust in government. The Inspector General investigates complaints or allegations of wrongdoing or misconduct within the programs or operations of the District;

- The Treasury Section will continue to explore innovative ideas on investment and debt management to maximize returns and cost efficiency for District taxpayers while adhering to District policies;
- The District will continue its strong commitment to increase the funding ratio of the pension plan with a goal of reaching an adequately funded pension plan and a 65 percent funding ratio in the near future;
- The Treasury Section will maintain sufficient liquidity to meet the District’s payment requirements for operations, payroll, and capital expenditures, fund all expenditures in compliance with federal law and state statute, and maintain pension and OPEB funding strategies to ensure the long-term health of the retirement programs;
- The Treasury Section will continue to focus on the Capital Finance Program and on the prudent use of debt financing for capital needs and debt service savings, while issuing debt financings in compliance with federal securities laws and state statutory authorization;
- The Treasury Section will continue to strive to maintain AAA/AA+ bond credit ratings with stable outlooks.

Average Investment Interest Rate on Purchases All Funds 2014-2023



| Ending Investment Inventory (Par Value) (Dollars in Millions) | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 Est. | 2023 Proj. |
|---|---------|---------|---------|---------|---------|---------|---------|---------|-----------|------------|
| | \$547.2 | \$715.2 | \$711.3 | \$736.7 | \$684.0 | \$670.5 | \$656.1 | \$895.3 | \$873.1 | \$858.7 |

Interest rates started to climb in 2022 as the Federal Reserve raised rates to stem inflation, which is expected to remain high through 2023. The Federal Funds rate was 1.58 percent mid-year 2022; expected rates at year-end 2022 and 2023 are 3.5 percent and under 3.75 percent respectively.

The following budget highlight supports the District's Strategic Plan Goal of Community Engagement, ensuring that the District is an inclusive business partner.

Increase diverse participation in MWRD contracts

- The Treasury Section endeavors to make the District an inclusive business partner by aspiring to award a minimum of 32 percent of its bond professional services and investment purchases to minority-owned, women-owned, and veteran-owned (MBE,WBE,VBE) business enterprises;
- The Treasury Section seeks out community banks with which to invest as a way to remain connected to and collaborate with the local community;
- The Legislative Section continues community outreach to bring awareness to the District's environmental achievements and its dedication to environmental equality.

11000 BOARD OF COMMISSIONERS

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|---|---------------------|----------------|
| 1. Establish policies and priorities to guide the Executive Director in meeting the District's responsibilities: ensuring the protection of the environment and the health and welfare of people in the community in the most responsive, efficient, and economical manner. | \$ 4,315,800 | 73.1 % |
| 2. Provide cash management services to maximize investment interest return without sacrifice of principal or required liquidity, measured by exceeding the benchmark 90-day Treasury bill rate and investment on average of over 99 percent of available funds. | \$ 901,200 | 15.3 % |
| 3. Enhance the District's image in national financial markets through the prudent use of debt financing for capital needs and debt service savings. | \$ 388,200 | 6.6 % |
| 4. Perform strategic planning and management research studies of District operations. | \$ 155,400 | 2.6 % |
| 5. Administer the Other Postemployment Benefit Trust investment and reporting activities. | \$ 143,700 | 2.4 % |
| Totals | \$ 5,904,300 | 100.0 % |

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | | |
|-----------------------|---|---------------------|----------|---------|--------------|-------------|--------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | | |
| 7110 | Legislative | \$ 3,015,933 | 2023 | 29 | \$ 4,219,100 | \$ 356,500 | 9.2 | a) |
| | | | 2022 | 29 | \$ 3,862,600 | | | |
| 7210 | Treasury Activities | \$ 704,845 | 2023 | 4 | \$ 901,200 | \$ 38,800 | 4.5 | |
| | | | 2022 | 4 | \$ 862,400 | | | |
| 7252 | Management and Organization Studies | \$ — | 2023 | 1 | \$ 155,400 | \$ 66,000 | 73.8 | b) |
| | | | 2022 | 1 | \$ 89,400 | | | |
| 7316 | Other Postemployment Benefits Trust Management and Report Preparation | \$ 152,975 | 2023 | 1 | \$ 143,700 | \$ (14,800) | (9.3) | |
| | | | 2022 | 1 | \$ 158,500 | | | |
| 7601 | Capital Financing Program and Other Related Costs | \$ 301,787 | 2023 | 2 | \$ 388,200 | \$ (46,300) | (10.7) | |
| | | | 2022 | 2 | \$ 434,500 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 73,413 | 2023 | — | \$ 96,700 | \$ 3,000 | 3.2 | |
| | | | 2022 | — | \$ 93,700 | | | |
| Totals | | \$ 4,248,953 | 2023 | 37 | \$ 5,904,300 | \$ 403,200 | 7.3 % | |
| | | | 2022 | 37 | \$ 5,501,100 | | | |

a) Increase is due to a review of the District's options for the Inspector General role (\$300,000).
 b) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$64,800).

11000 BOARD OF COMMISSIONERS

PERFORMANCE DATA

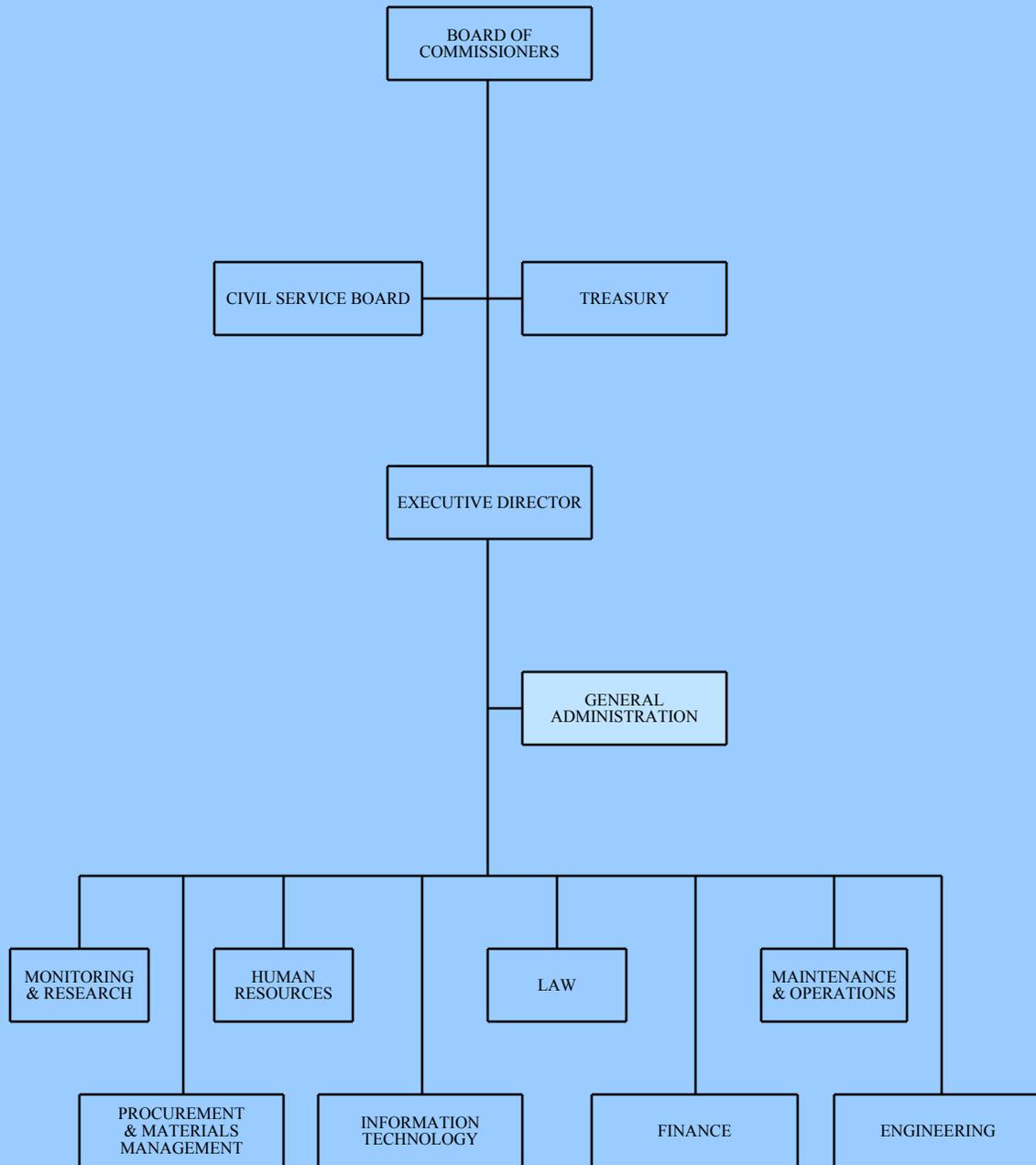
| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|---|---|--------|----------------|------------------|-------------------|----|
| 7110 | Legislative | Cost | \$ 3,015,933 | \$ 3,862,600 | \$ 4,219,100 | a) |
| 7210 | Treasury Activities | Cost | \$ 704,845 | \$ 862,400 | \$ 901,200 | |
| 7252 | Management and Organization Studies | Cost | \$ — | \$ 89,400 | \$ 155,400 | b) |
| 7316 | Other Postemployment Benefits Trust Management and Report Preparation | Cost | \$ 152,975 | \$ 158,500 | \$ 143,700 | |
| 7601 | Capital Financing Program and Other Related Costs | Cost | \$ 301,787 | \$ 434,500 | \$ 388,200 | |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 73,413 | \$ 93,700 | \$ 96,700 | |
| | | Totals | \$ 4,248,953 | \$ 5,501,100 | \$ 5,904,300 | |
| <p>a) Increase is due to a review of the District's options for the Inspector General role (\$300,000).</p> <p>b) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$64,800).</p> | | | | | | |

| 101 11000 | Fund: Corporate Department: Board of Commissioners | LINE ITEM ANALYSIS | | | | | | |
|------------------------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 3,250,576 | \$ 3,684,300 | \$ 3,684,300 | \$ 3,340,000 | \$ 3,760,500 | \$ 3,760,500 | \$ 3,854,000 |
| 601060 | Compensation Plan Adjustments | 106,220 | 126,200 | 126,200 | 66,600 | 78,900 | 78,900 | 70,400 |
| 601070 | Social Security and Medicare Contributions | 73,412 | 93,700 | 93,700 | 64,900 | 96,700 | 96,700 | 96,700 |
| 601100 | Tuition and Training Payments | 5,604 | 27,800 | 27,800 | 15,000 | 26,400 | 26,400 | 26,400 |
| 601300 | Personal Services, N.O.C. (Not Otherwise Classified) | 340,086 | 527,000 | 527,000 | 397,000 | 541,500 | 541,500 | 541,500 |
| 100 | TOTAL PERSONAL SERVICES | 3,775,898 | 4,459,000 | 4,459,000 | 3,883,500 | 4,504,000 | 4,504,000 | 4,589,000 |
| 612010 | Travel | 75 | 24,300 | 24,300 | 10,000 | 15,800 | 15,800 | 15,800 |
| 612030 | Meals and Lodging | 73 | 33,300 | 33,300 | 13,500 | 31,700 | 31,700 | 31,700 |
| 612040 | Postage, Freight, and Delivery Charges | — | — | — | — | 200 | 200 | 200 |
| 612280 | Subscriptions and Membership Dues | 27,323 | 28,200 | 28,200 | 28,200 | 28,900 | 28,900 | 28,900 |
| 612430 | Payments for Professional Services | 437,308 | 927,600 | 927,600 | 543,900 | 1,210,000 | 1,210,000 | 1,210,000 |
| 612490 | Contractual Services, N.O.C. | 675 | 700 | 700 | 700 | 700 | 700 | 700 |
| 200 | TOTAL CONTRACTUAL SERVICES | 465,454 | 1,014,100 | 1,014,100 | 596,300 | 1,287,300 | 1,287,300 | 1,287,300 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 7,601 | 27,000 | 27,000 | 15,000 | 27,000 | 27,000 | 27,000 |
| 623720 | Books, Maps, and Charts | — | 1,000 | 1,000 | 100 | 1,000 | 1,000 | 1,000 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 7,601 | 28,000 | 28,000 | 15,100 | 28,000 | 28,000 | 28,000 |
| TOTAL BOARD OF COMMISSIONERS | | \$ 4,248,953 | \$ 5,501,100 | \$ 5,501,100 | \$ 4,494,900 | \$ 5,819,300 | \$ 5,819,300 | \$ 5,904,300 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

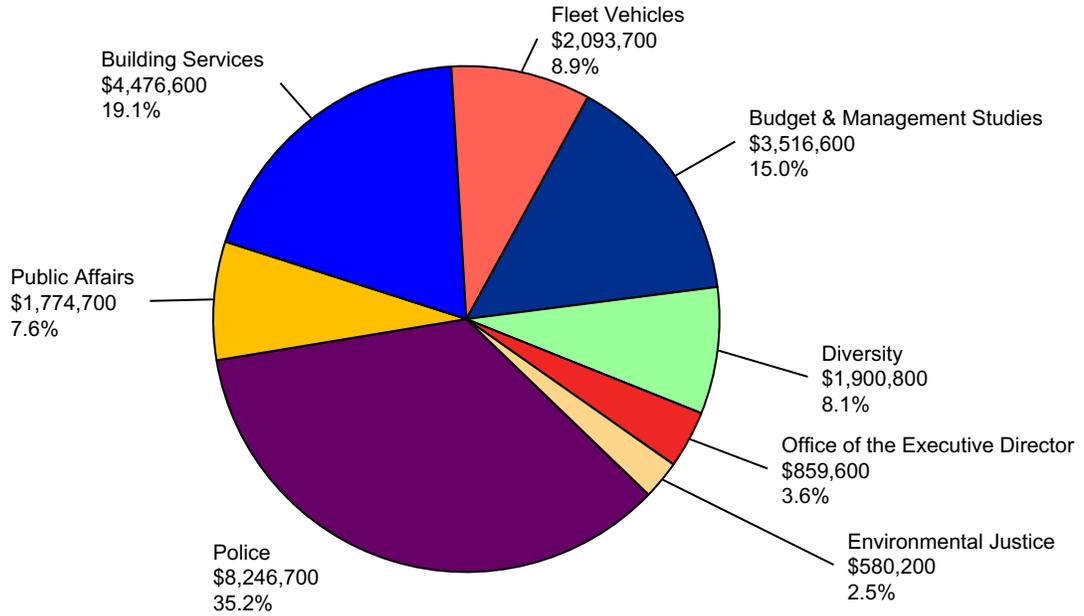
| Fund: Corporate Dept: Board of Commissioners | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 012 | Legislative Section | | | | | |
| EX22 | President | 1 | 1 | | 1 | |
| EX21 | Vice President | 1 | 1 | | 1 | |
| EX01 | Commissioner (Chairman, Committee on Finance) | 1 | 1 | | 1 | |
| EX02 | Commissioner | 6 | 6 | | 6 | |
| EX03 | Administrative Aide to President | 1 | 1 | | 1 | |
| EX04 | Administrative Assistant to Commissioner (Secretary) | 19 | 19 | | 19 | |
| TOTAL 012 | Legislative Section | 29 | 29 | 2,536,205 | 29 | 2,668,812 |
| 013 | Treasury Section | | | | | |
| EX05 | Treasurer | 1 | 1 | | 1 | |
| HP20 | Assistant Treasurer | 1 | 1 | | 1 | |
| HP18 | Accounting Manager | 1 | 1 | | 1 | |
| HP16 | Financial Analyst | 3 | 4 | | 4 | |
| EX06 | Secretary to Officer | 1 | 1 | | 1 | |
| TOTAL 013 | Treasury Section | 7 | 8 | 1,166,632 | 8 | 1,204,524 |
| TOTAL | Board of Commissioners | 36 | 37 | 3,702,836 | 37 | 3,873,336 |

NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

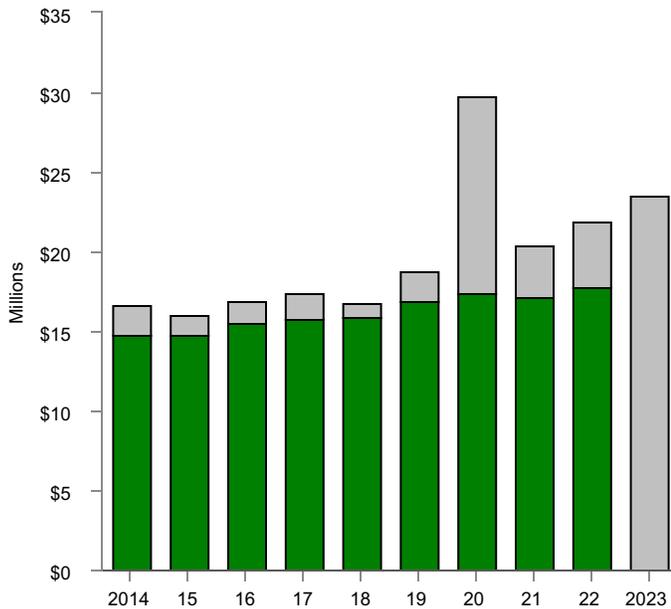


GENERAL ADMINISTRATION FUNCTIONS

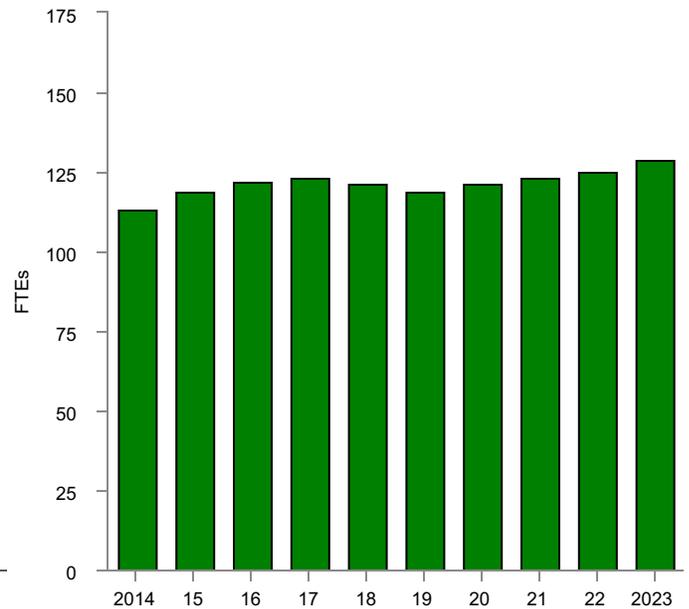
| | |
|----------|--------------|
| 2023 | \$23,448,900 |
| 2022 | \$21,854,000 |
| Increase | \$1,594,900 |



APPROPRIATIONS & EXPENDITURES



BUDGETED FTE POSITIONS

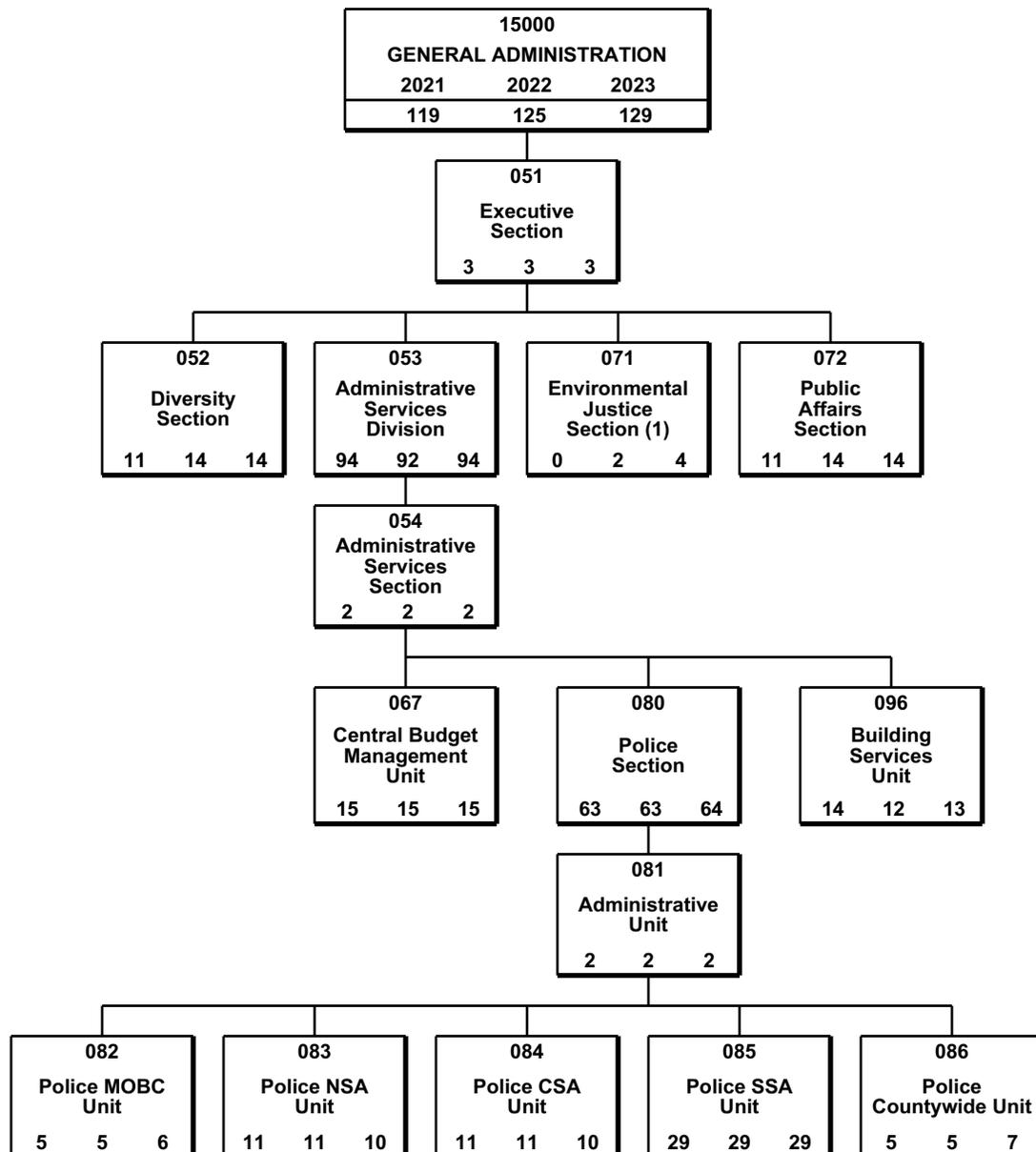


2022 Expenditures are estimated

| | | | |
|--|--------------|--|----------------|
| | EXPENDITURES | | APPROPRIATIONS |
|--|--------------|--|----------------|

2019 - Increase is due to the reallocation of several projects from the Construction Fund to the Corporate Fund.
2020 - Increase is due to a one-time budget item to replace the Enterprise Resource Planning System.

GENERAL ADMINISTRATION



(1) Effective 01/01/22, Section 071, Environmental Justice Section, was created.

GENERAL ADMINISTRATION

General Administration supports the Office of the Executive Director in implementing Board policies, allowing the eight departments to focus on the District's core mission and execute the Strategic Plan. General Administration staff work to expand diversity, equity, and inclusion efforts internally and coordinate the District's efforts to address environmental justice; ensure that all vendors are given equal opportunities to participate in the District's contracts; promote a broader understanding and appreciation of the District and the valuable services it provides through communication, partnerships, and public outreach; maintain the District's fleet and Main Office Building Complex; protect District facilities to provide a secure work environment for all employees, contractors, and visitors; and create an annual budget that is equitable and aligned with the Goals highlighted in the District's Strategic Plan.

Departmental Summary

General Administration supports the Office of the Executive Director in implementing Board policies. General Administration includes the Office of the Executive Director, the Administrative Services Division, the Diversity Section, the Environmental Justice Section, and the Public Affairs Section.

Summary of 2022 Major Accomplishments

- Participated in multiple events such as an Assist Agency Roundtable, an LGBT Enterprise Roundtable, a Latin American History Month Roundtable, and the Chicago Urban League - Working with MWRD Virtual Workshop to promote the District Diversity Department's mission and increase the District's visibility among minority, women, small, veteran, LGBT, and disabled business enterprises;
- Completed a Disparity Study and began to determine if there were goals that could be applied through a policy to increase opportunities for diversification on MWRD contracts;
- Continued to promote the "Save the Monarchs" campaign, the District's partnership with the Illinois Monarch Project, which works to save monarch butterflies from extinction while promoting milkweed and native prairies as valuable stormwater management tools. The campaign educates the public about the butterfly's plight and provides milkweed seeds through engagement with our followers on social media and in the public. The District received a monarch waystation certification, verifying the District maintained the growth of milkweed, nectar sources, and shelter in our native plant areas, which is needed for the butterflies to migrate through North America;
- The Public Affairs section added bilingual staff to increase community engagement and expand outreach to schools, universities, neighborhood groups, and government agencies;
- Designed the new Strategic Plan Hub for the District's website that will allow the District to publicly share information on the Plan's progress;
- Received the first order of Chevy Bolts for the Electric Vehicles Pilot Program and began tracking vehicle usage and the kWh of electricity used for charging. An analysis will be conducted to compare the cost paid for electricity and the average cost of gasoline to find the cost savings received by the District.

2023 Appropriation and Position Summary

The 2023 appropriation for General Administration is \$23,448,900, an increase of \$1,594,900, or 7.3 percent, from 2022. The staffing level has increased from 125 to 129 with the addition of one Environmental Justice Program Manager position, one Facilities Administrator, one Police Sergeant position, and one Senior Administrative Specialist position.

2023 Budget Highlights

Administrative Services Division

This division will prepare and administer the annual budget, provide a secure work environment for all employees, visitors, contractors, and citizens, and provide support services to maintain the Main Office Building Complex.

The following budget highlights support the District's Strategic Plan Goal of Enterprise Resilience. The initiatives highlighted below ensure ongoing services that are reliable, equitable, cost-effective and strengthen the MWRD's operational and financial positions.

Increase visibility around goals and performance indicators

- Implement a new District-wide budgeting system with internal and external reporting capabilities to increase transparency to the public. The new system will track both financial and non-financial performance indicators to more accurately define and communicate the success measures of the District's Strategic Plan.

Finalize and implement climate change and resiliency plans

- Install additional charging stations and continue the replacement of gasoline-powered vehicles with electric vehicles whenever possible to reduce the District's carbon footprint.

Maintain strong fiscal management, identify, and leverage opportunities for cost reduction and cost recovery

- Create funding scenarios that will meet the District's funding policy requirement of 100 percent funding of the pension plan by 2050;
- Explore creating financing opportunities to support initiatives in the areas of stormwater, equity, and environmental justice.

Environmental Justice Section

This section will address equity issues both external to the organization in the communities that the District serves and internal to the organization.

The following budget highlights support the District's Strategic Plan Goal of Workforce Excellence. The initiatives highlighted below illustrate how the District is promoting diversity, equity, and inclusion within our workforce.

Foster a culture that recognizes every employee

- Develop a communications strategy to help establish a sense of belonging and an education strategy that will expand mentorship, diversity, and inclusion programs, and will continue to develop targeted recruitment, mentoring, and professional development programs to increase diverse representation in key job categories.

The following budget highlights support the District's Strategic Plan Goal of Community Engagement. The initiatives highlighted below illustrate how the District is engaging with the community to position it as a critical community asset and to ensure that the District is a responsive neighbor and inclusive business partner.

Expand partnerships, outreach, and engagement to new audiences

- Coordinate the Environmental Justice activities of the District, including activities outlined throughout the Strategic Plan and in conjunction with the Climate Action Plan.

The following budget highlights support the District's Strategic Plan Goal of Enterprise Resilience. The initiatives highlighted below ensure ongoing services that are reliable, equitable, and cost-effective; achieve climate change and environmental justice protections; prepare for other manmade and natural events; and strengthen the MWRD's operational and financial positions.

Finalize and implement climate change and resiliency plans

- Work to ensure that the environmental and climate justice concerns are considered in the implementation of climate goals.

Diversity Section

This section will continue to work to ensure competitive business opportunities for minority, women, small, and veteran business enterprises in MWRD contracts. Diversity will strive to protect the integrity of the Affirmative Action Program in the verification and compliance process. Preserving the legacy and historic significance of the Affirmative Action Program will remain paramount to the efforts of the staff.

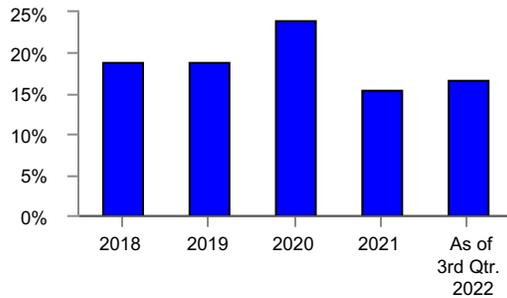
The following budget highlights support the District's Strategic Plan Goal of Community Engagement. The initiatives highlighted below illustrate how the District is engaging with the community to position it as a critical community asset and to ensure that the District is a responsive neighbor and inclusive business partner.

Increase diverse participation in MWRD contracts

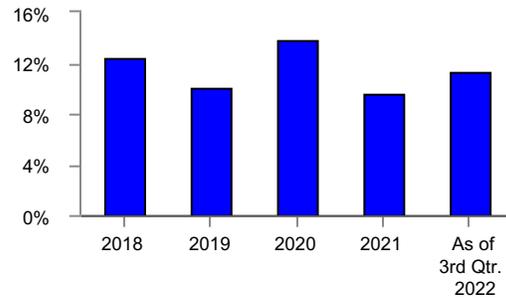
- Implement the following changes recommended by the Disparity Study completed in 2022;
 - Implement a Technical Assistance Program to provide planning, guidance, and application assistance to give smaller businesses a competitive advantage;
 - Design a Small Business Program to include in the District's Affirmative Action Ordinance to ensure that all businesses have a fair chance to compete for District contracts;
 - Map out a Mentor Protege Program to motivate and encourage large business prime contractor firms to provide developmental assistance to smaller businesses that will be mutually beneficial to both parties;
- Expand the capability of the PRISM contract management software which will evaluate the impact of the department's current efforts and identify opportunities for improvement to further increase diverse participation on MWRD contracts as follows:

| Construction & Consulting Contracts | 2018 | 2019 | 2020 | 2021 | As of 2022 3rd Quarter |
|--|----------------------|-----------------------|-----------------------|-----------------------|-------------------------------|
| Minority-owned Business Enterprises | \$ 16,469,827 | \$ 31,923,438 | \$ 32,824,385 | \$ 39,237,696 | \$ 70,590,276 |
| Women-owned Business Enterprises | \$ 10,931,146 | \$ 17,096,986 | \$ 18,925,130 | \$ 24,399,283 | \$ 47,318,911 |
| Small Business Enterprises | \$ 2,287,186 | \$ 1,302,827 | \$ 583,060 | \$ 2,698,289 | \$ 27,462,184 |
| Veteran-owned Business Enterprises | \$ — | \$ 730,458 | \$ 3,082,679 | \$ 3,546,638 | \$ 6,372,322 |
| Total Contracts Awarded | \$ 87,762,251 | \$ 169,620,574 | \$ 136,505,193 | \$ 255,240,745 | \$ 421,870,616 |

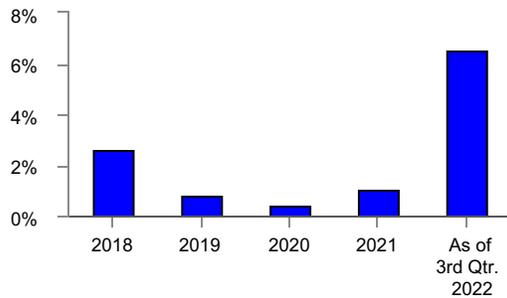
Minority-owned Business Enterprises



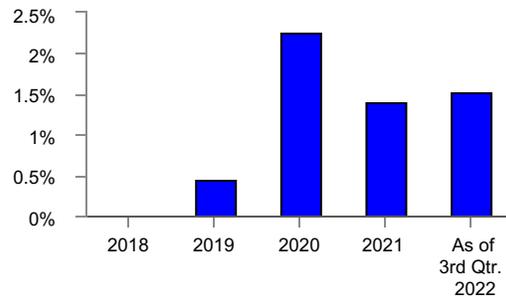
Women-owned Business Enterprises



Small Business Enterprises



Veteran-owned Business Enterprises



Public Affairs Section

The Office of Public Affairs will continue to serve as the liaison between the District and its stakeholders. The Office of Public Affairs staff will continue to facilitate proactive communications and network with community, educational, governmental, and non-governmental representatives, and organizations to continue engaging in all areas of our community outreach activities, whether in person or in a virtual environment.

The following budget highlights support the District's Strategic Plan Goal of Community Engagement. The initiatives highlighted below illustrate how the District is engaging with the community to position it as a critical community asset and to ensure that the District is a responsive neighbor and inclusive partner.

Expand partnerships, outreach, and engagement to new audiences

- Launch a new online educational hub that will educate the public about ways to protect the waterways while teaching them about the District’s role. The content will include research materials, science experiments, arts and crafts, helpful tips and advice for residents and business owners, and instructional materials for educators;
- Complete a market research and analysis study to help establish benchmarks for system-wide marketing communications and increase outreach goals, activities, and messaging. The information gained from the study will be used to expand partnerships by focusing outreach to specific groups, increasing engagement with communities near the water reclamation plants, and establishing Community Partnership Councils to exchange ideas and recommendations with the public.

| Year | Facebook | | Twitter | | LinkedIn | | YouTube | | Instagram | |
|------------------|---------------------|-------------------------------------|---------------------|-------------------------------------|---------------------|-------------------------------------|-----------------------|-------------------------------------|---------------------|-------------------------------------|
| | Number of Followers | Percent Increase from Previous Year | Number of Followers | Percent Increase from Previous Year | Number of Followers | Percent Increase from Previous Year | Number of Impressions | Percent Increase from Previous Year | Number of Followers | Percent Increase from Previous Year |
| 2023 - Proposed | 10,100 | 10% | 5,900 | 10% | 6,860 | 10% | 426,100 | 10% | 2,190 | 10% |
| 2022 - Estimated | 9,178 | 19% | 5,386 | 12% | 6,238 | 23% | 387,365 | 17% | 1,992 | 29% |
| 2021 - Actual | 7,690 | 24% | 4,800 | 12% | 5,088 | 16% | 330,107 | 27% | 1,540 | 28% |

15000 GENERAL ADMINISTRATION

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|--|----------------------|----------------|
| 1. Carry out the District's Core mission through the Goals outlined in the District's Strategic Plan and the policies established by the elected Board of Commissioners to protect Public Health and Chicago Area Waterways. | \$ 859,600 | 3.6 % |
| 2. Reach participation goals established by the Board of Commissioners for Minority-owned Business Enterprises, Women-owned Business Enterprises, Small Business Enterprises, and Veteran-owned Business Enterprises for construction and professional services contracts. | \$ 1,900,800 | 8.1 % |
| 3. Expand diversity, equity, and inclusion efforts towards achieving progress on environmental justice and foster a culture that is committed to making environmental justice a top priority through initiatives that support the goals outlined in the District's Strategic Plan. | \$ 580,200 | 2.5 % |
| 4. Provide public understanding of District functions and activities through media, publications, tours, and various forms of public outreach. | \$ 1,774,700 | 7.6 % |
| 5. Prepare and administer the District's annual budget to be used as a policy, financial, operations, and communications plan in the furtherance of the District's mission and statutory requirements. | \$ 3,105,200 | 13.2 % |
| 6. Operate and maintain the Main Office Building Complex to provide a functional and cost-effective office environment for staff, contractors, and visitors. | \$ 4,476,600 | 19.1 % |
| 7. Physically protect and secure District personnel, facilities, and outlying properties through access control, police patrol, and proactive crime prevention. | \$ 8,246,700 | 35.2 % |
| 8. Provide fleet management services by administering the operation, maintenance, repair, and procurement of the District's fleet. | \$ 2,093,700 | 8.9 % |
| 9. Perform organization and management research studies and compliance audits to evaluate the District's various business activities for cost-saving opportunities, compliance with legal mandates, and policies established by the Board of Commissioners. | \$ 411,400 | 1.8 % |
| Total | \$ 23,448,900 | 100.0 % |

15000 GENERAL ADMINISTRATION

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | | |
|-----------------------|---|--------------|----------|---------|--------------|--------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | | |
| 7100 | Office of the Executive Director | \$ 521,067 | 2023 | 3 | \$ 581,400 | \$ 30,700 | 5.6 | |
| | | | 2022 | 3 | \$ 550,700 | | | |
| 7110 | Legislative | \$ 174,330 | 2023 | — | \$ 278,200 | \$ 1,400 | 0.5 | |
| | | | 2022 | — | \$ 276,800 | | | |
| 7220 | Reprographic Services | \$ 407,797 | 2023 | 2 | \$ 590,900 | \$ 10,800 | 1.9 | |
| | | | 2022 | 2 | \$ 580,100 | | | |
| 7230 | Environmental Justice | \$ — | 2023 | 4 | \$ 580,200 | \$ 580,200 | 100.0 | a) |
| | | | 2022 | — | \$ — | | | |
| 7240 | Public Affairs | \$ 1,244,434 | 2023 | 14 | \$ 1,774,700 | \$ (16,400) | (0.9) | |
| | | | 2022 | 14 | \$ 1,791,100 | | | |
| 7251 | Corporate Budget Preparation, Monitoring, and Administration | \$ 1,542,809 | 2023 | 7 | \$ 2,376,200 | \$ 188,300 | 8.6 | b) |
| | | | 2022 | 7 | \$ 2,187,900 | | | |
| 7252 | Management and Organization Studies | \$ 383,170 | 2023 | 3 | \$ 411,400 | \$ 44,100 | 12.0 | |
| | | | 2022 | 3 | \$ 367,300 | | | |
| 7253 | Support Department Budget Preparation, Monitoring, and Administration | \$ 442,192 | 2023 | 5 | \$ 629,000 | \$ 47,100 | 8.1 | |
| | | | 2022 | 5 | \$ 581,900 | | | |
| 7254 | Enterprise System | \$ 64,343 | 2023 | 1 | \$ 100,000 | \$ 11,100 | 12.5 | |
| | | | 2022 | 1 | \$ 88,900 | | | |
| 7295 | Diversity, Equity, and Inclusion Activities | \$ — | 2023 | — | \$ — | \$ (260,700) | (100.0) | c) |
| | | | 2022 | 2 | \$ 260,700 | | | |
| 7340 | Security of Plants and Properties | \$ 6,671,175 | 2023 | 64 | \$ 8,053,300 | \$ 286,800 | 3.7 | d) |
| | | | 2022 | 63 | \$ 7,766,500 | | | |
| 7460 | Main Office Building Complex Services | \$ 2,954,989 | 2023 | 10 | \$ 3,885,700 | \$ 185,300 | 5.0 | e) |
| | | | 2022 | 9 | \$ 3,700,400 | | | |
| 7470 | Contract Diversity | \$ 1,273,224 | 2023 | 14 | \$ 1,900,800 | \$ 329,500 | 21.0 | f) |
| | | | 2022 | 14 | \$ 1,571,300 | | | |
| 7490 | Automotive Fleet Operations | \$ 1,228,055 | 2023 | 2 | \$ 2,093,700 | \$ 147,400 | 7.6 | |
| | | | 2022 | 2 | \$ 1,946,300 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 164,342 | 2023 | — | \$ 193,400 | \$ 9,300 | 5.1 | |
| | | | 2022 | — | \$ 184,100 | | | |
| Totals | | \$17,071,927 | 2023 | 129 | \$23,448,900 | \$ 1,594,900 | 7.3 % | |
| | | | 2022 | 125 | \$21,854,000 | | | |

- a) Increase is due to a reclassification of District Programs (\$260,700) and the addition of two FTE positions (\$249,800).
- b) Increase is due to an increase in expected retirements (\$81,300) and the reallocation of salaries to more accurately reflect current activities (\$70,800).
- c) Decrease is due to the reclassification of District Programs (\$260,700).
- d) Increase is due to additional patrol shifts needed to cover vacancies caused by an increased amount of retirements in 2022 (\$196,300) and the addition of one FTE position (\$90,800).
- e) Increase is due to an increase to the janitorial contracts at the Main Office Building complex (\$191,000).
- f) Increase is due to additional funding to increase diverse participation in MWRD contracts (\$275,000) and the reallocation of salaries to more accurately reflect current activities (\$82,700).

15000 GENERAL ADMINISTRATION

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|---|------------------|--------------|---------------|----------------|----|
| 7100 | Office of the Executive Director | Cost | \$ 521,067 | \$ 550,700 | \$ 581,400 | |
| 7110 | Legislative | Cost | \$ 174,330 | \$ 276,800 | \$ 278,200 | |
| 7220 | Reprographic Services | | | | | |
| 7221 | Duplication Services | # of Impressions | 2,271,975 | 2,280,000 | 2,455,000 | a) |
| | | Cost | \$ 395,449 | \$ 563,800 | \$ 574,600 | |
| | | Cost/Impression | \$ 0.17 | \$ 0.25 | \$ 0.23 | |
| 7224 | Design Services | Cost | \$ 12,348 | \$ 16,300 | \$ 16,300 | |
| 7230 | Environmental Justice | | | | | |
| 7231 | Diversity, Equity, and Inclusion Activities | Cost | \$ — | \$ — | \$ 295,600 | b) |
| 7232 | Environmental Justice Activities and Programs | Cost | \$ — | \$ — | \$ 284,600 | b) |
| 7240 | Public Affairs | | | | | |
| 7247 | Internal Public Affairs | | | | | |
| | Interdepartmental Support | Cost | \$ 356,711 | \$ 420,400 | \$ 406,900 | |
| 7248 | External Public Affairs | | | | | |
| | Respond to Public Inquiries and Furnish Public Information Pamphlets | Cost | \$ 296,364 | \$ 457,605 | \$ 456,636 | |
| | Coordinate District Communications with Public, Civic, and Social Groups | Cost | \$ 161,934 | \$ 250,037 | \$ 249,508 | |
| | Monitor Public Hearings, Board Meetings, Internet, and Media and Issue Press Releases | Cost | \$ 209,090 | \$ 322,848 | \$ 322,165 | |
| | Special Public Events | Cost | \$ 220,335 | \$ 340,210 | \$ 339,491 | |
| 7250 | Budget Preparation and Management Studies | | | | | |
| 7251 | Corporate Budget Preparation, Monitoring, and Administration | Cost | \$ 1,542,809 | \$ 2,187,900 | \$ 2,376,200 | c) |
| 7252 | Management and Organization Studies | Cost | \$ 383,170 | \$ 367,300 | \$ 411,400 | |
| 7253 | Support Department Budget Preparation, Monitoring, and Administration | Cost | \$ 442,192 | \$ 581,900 | \$ 629,000 | |
| 7254 | Enterprise Systems | Cost | \$ 64,343 | \$ 88,900 | \$ 100,000 | |
| 7295 | Diversity, Equity, and Inclusion Activities | Cost | \$ — | \$ 260,700 | \$ — | d) |

a) Increase is due to the anticipated increase for printing services to update outreach materials.

b) Increase is due to a reclassification of District Programs (\$260,700) and the addition of two FTE positions (\$249,800).

c) Increase is due to an increase in expected retirements (\$81,300) and the reallocation of salaries to more accurately reflect current activities (\$70,800).

d) Decrease is due to the reclassification of District Programs (\$260,700).

15000 GENERAL ADMINISTRATION

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|--|--|----------------|---------------|---------------|----------------|----|
| 7340 | Security of Plants and Properties | | | | | |
| | Patrol of District Facilities | # of Miles | 102,049 | 119,839 | 102,049 | |
| | | Cost | \$ 1,291,452 | \$ 1,503,492 | \$ 1,559,013 | |
| | | Cost/Mile | \$ 12.66 | \$ 12.55 | \$ 15.28 | e) |
| | Patrol of District Real Estate | # of Miles | 238,116 | 225,000 | 238,116 | |
| | | Cost | \$ 3,652,003 | \$ 4,251,618 | \$ 4,408,621 | e) |
| | | Cost/Mile | \$ 15.34 | \$ 18.90 | \$ 18.51 | |
| | Access Control to Facilities | # of Hours | 45,150 | 45,431 | 45,150 | |
| | | Cost | \$ 1,727,720 | \$ 2,011,390 | \$ 2,085,666 | |
| | | Cost/Hour | \$ 38.27 | \$ 44.27 | \$ 46.19 | |
| 7460 | Main Office Building Complex Services | | | | | |
| 7461 | Main Office Building Complex Operations | Area (Sq. Ft.) | 198,901 | 198,901 | 198,901 | |
| | | Cost | \$ 2,672,369 | \$ 3,408,800 | \$ 3,581,100 | f) |
| | | Cost/Sq. Ft. | \$ 13.44 | \$ 17.14 | \$ 18.00 | |
| 7463 | Collect and Distribute Mail | # of Pieces | 418,022 | 600,000 | 600,000 | |
| | | Cost | \$ 212,065 | \$ 230,000 | \$ 239,700 | |
| | | Cost/Piece | \$ 0.51 | \$ 0.38 | \$ 0.40 | |
| 7464 | Telephone Switchboard Operations at Main Office Building Complex | Cost | \$ 70,555 | \$ 61,600 | \$ 64,900 | |
| 7470 | Contract Diversity | | | | | |
| 7471 | Contract Compliance | Cost | \$ 459,181 | \$ 684,300 | \$ 698,900 | |
| 7472 | Community Activity | Cost | \$ 604,881 | \$ 571,600 | \$ 868,000 | g) |
| 7473 | Contract Diversity Support | Cost | \$ 209,162 | \$ 315,400 | \$ 333,900 | |
| 7490 | Automotive Fleet Operations | | | | | |
| 7491 | Automotive Fleet Procurement | Cost | \$ 660,102 | \$ 1,250,000 | \$ 1,246,500 | |
| 7499 | Automotive Fleet Operations | Cost | \$ 567,953 | \$ 696,300 | \$ 847,200 | h) |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 164,342 | \$ 184,100 | \$ 193,400 | |
| | | Totals | \$ 17,071,927 | \$ 21,854,000 | \$ 23,448,900 | |
| <p>e) Increase is due to additional patrol shifts needed to cover vacancies caused by an increased amount of retirements in 2022 (\$196,300) and the addition of one FTE position (\$90,800).</p> <p>f) Increase is due to an increase to the janitorial contracts at the Main Office Buildings (\$191,000).</p> <p>g) Increase is due to additional funding to increase diverse participation in MWRD contracts (\$275,000).</p> <p>h) Increase is due to the start of the fuel system replacement project (\$200,000), offset by a decrease to the fleet vehicles repairs and maintenance contract in 2023 (\$37,400).</p> | | | | | | |

| 101 15000 | Fund: Corporate Department: General Administration | LINE ITEM ANALYSIS | | | | | | |
|----------------|--|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 10,763,521 | \$ 12,466,300 | \$ 12,561,300 | \$ 11,292,200 | \$ 13,204,000 | \$ 13,204,000 | \$ 13,636,000 |
| 601060 | Compensation Plan Adjustments | 891,368 | 1,285,000 | 1,190,000 | 1,280,600 | 1,320,200 | 1,320,200 | 1,319,500 |
| 601070 | Social Security and Medicare Contributions | 164,342 | 184,100 | 184,100 | 175,700 | 193,400 | 193,400 | 193,400 |
| 601100 | Tuition and Training Payments | 16,569 | 53,800 | 53,800 | 26,500 | 84,900 | 84,900 | 84,900 |
| 601270 | General Salary Adjustments | — | — | — | — | 3,694,600 | 3,694,600 | — |
| 100 | TOTAL PERSONAL SERVICES | 11,835,800 | 13,989,200 | 13,989,200 | 12,775,000 | 18,497,100 | 18,497,100 | 15,233,800 |
| 612010 | Travel | 471 | 13,700 | 13,700 | 8,200 | 17,700 | 17,700 | 17,700 |
| 612030 | Meals and Lodging | 1,695 | 23,900 | 23,900 | 25,000 | 32,300 | 32,300 | 32,300 |
| 612040 | Postage, Freight, and Delivery Charges | 60,189 | 85,800 | 85,800 | 83,000 | 86,000 | 86,000 | 86,000 |
| 612050 | Compensation for Personally-Owned Automobiles | 2,209 | 4,300 | 4,300 | 2,300 | 4,300 | 4,300 | 4,300 |
| 612080 | Motor Vehicle Operating Services | 49,418 | 68,500 | 68,500 | 60,700 | 68,500 | 68,500 | 68,500 |
| 612090 | Reprographic Services | 6,098 | 160,800 | 145,800 | 20,000 | 160,800 | 160,800 | 160,800 |
| 612150 | Electrical Energy | 268,277 | 372,300 | 372,300 | 241,500 | 372,000 | 372,000 | 372,000 |
| 612160 | Natural Gas | 22,840 | 24,000 | 39,000 | 38,800 | 40,000 | 40,000 | 40,000 |
| 612170 | Water and Water Services | 4,340 | 6,700 | 6,700 | 5,300 | 6,700 | 6,700 | 6,700 |
| 612210 | Communication Services | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 |
| 612280 | Subscriptions and Membership Dues | 875,114 | 885,000 | 885,000 | 880,000 | 913,100 | 913,100 | 913,100 |
| 612330 | Rental Charges | 55,998 | 69,800 | 69,800 | 64,100 | 1,122,300 | 1,122,300 | 72,300 |
| 612360 | Advertising | 10,348 | 12,500 | 12,500 | 11,500 | 12,500 | 12,500 | 12,500 |
| 612370 | Administration Building Operation | 1,253,839 | 1,297,400 | 1,297,400 | 1,187,200 | 1,251,800 | 1,251,800 | 1,251,800 |
| 612390 | Administration Building McMillan Pavilion Operation | 648,370 | 836,500 | 836,500 | 699,100 | 811,900 | 811,900 | 811,900 |
| 612400 | Intergovernmental Agreements | — | 100,000 | 100,000 | 76,400 | 80,000 | 80,000 | 80,000 |
| 612430 | Payments for Professional Services | 469,053 | 734,000 | 734,000 | 242,300 | 659,000 | 659,000 | 909,000 |
| 612490 | Contractual Services, N.O.C. | 164,032 | 211,200 | 211,200 | 101,500 | 250,500 | 250,500 | 250,500 |
| 612680 | Repairs to Buildings | 30,402 | 374,000 | 374,000 | 11,000 | 365,400 | 365,400 | 415,400 |
| 612800 | Repairs to Office Furniture and Equipment | 72,584 | 69,900 | 69,900 | 60,100 | 69,900 | 69,900 | 69,900 |
| 612820 | Computer Software Maintenance | 6,154 | 374,800 | 374,800 | 32,000 | 325,000 | 325,000 | 333,400 |
| 612840 | Communications Equipment Maintenance (Includes Software) | 17,784 | 17,800 | 17,800 | 17,800 | 17,800 | 17,800 | 17,800 |
| 612860 | Repairs to Vehicle Equipment | 343,650 | 441,800 | 441,800 | 329,800 | 367,500 | 367,500 | 414,100 |
| 200 | TOTAL CONTRACTUAL SERVICES | 4,365,864 | 6,187,700 | 6,187,700 | 4,200,600 | 7,038,000 | 7,038,000 | 6,343,000 |
| 623070 | Electrical Parts and Supplies | 6,750 | 8,600 | 8,600 | 7,600 | 10,100 | 10,100 | 10,100 |

| 101 15000 | Fund: Corporate Department: General Administration | LINE ITEM ANALYSIS | | | | | | |
|------------------------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 623090 | Plumbing Accessories and Supplies | 7,618 | 8,500 | 8,500 | 7,500 | 10,000 | 10,000 | 10,000 |
| 623110 | Hardware | 15,832 | 16,000 | 16,000 | 14,500 | 18,000 | 18,000 | 18,000 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 91,350 | 123,100 | 123,100 | 106,900 | 132,100 | 132,100 | 132,100 |
| 623660 | Cleaning Supplies | 824 | 1,300 | 2,300 | 2,200 | 1,800 | 1,800 | 1,800 |
| 623700 | Wearing Apparel | 24,783 | 35,400 | 34,400 | 24,600 | 48,800 | 48,800 | 48,800 |
| 623720 | Books, Maps, and Charts | 411 | 1,000 | 1,000 | 500 | 1,500 | 1,500 | 1,500 |
| 623810 | Computer Supplies | 635 | 25,000 | 25,000 | 1,700 | 25,000 | 25,000 | 25,000 |
| 623990 | Materials and Supplies, N.O.C. | 24,377 | 66,700 | 66,700 | 50,100 | 67,500 | 67,500 | 67,500 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 172,581 | 285,600 | 285,600 | 215,600 | 314,800 | 314,800 | 314,800 |
| 634800 | Office Furniture and Equipment | — | 21,500 | 21,500 | 21,500 | — | — | 40,000 |
| 634810 | Computer Equipment | — | — | — | — | 200,000 | 200,000 | 200,000 |
| 634820 | Computer Software | — | 20,000 | 20,000 | — | — | — | — |
| 634860 | Vehicle Equipment | 674,063 | 1,250,000 | 1,250,000 | 492,300 | 120,000 | 120,000 | 1,228,300 |
| 634990 | Machinery and Equipment, N.O.C. | 23,618 | 100,000 | 100,000 | — | 89,000 | 89,000 | 89,000 |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 697,681 | 1,391,500 | 1,391,500 | 513,800 | 409,000 | 409,000 | 1,557,300 |
| TOTAL GENERAL ADMINISTRATION | | \$ 17,071,926 | \$ 21,854,000 | \$ 21,854,000 | \$ 17,705,000 | \$ 26,258,900 | \$ 26,258,900 | \$ 23,448,900 |

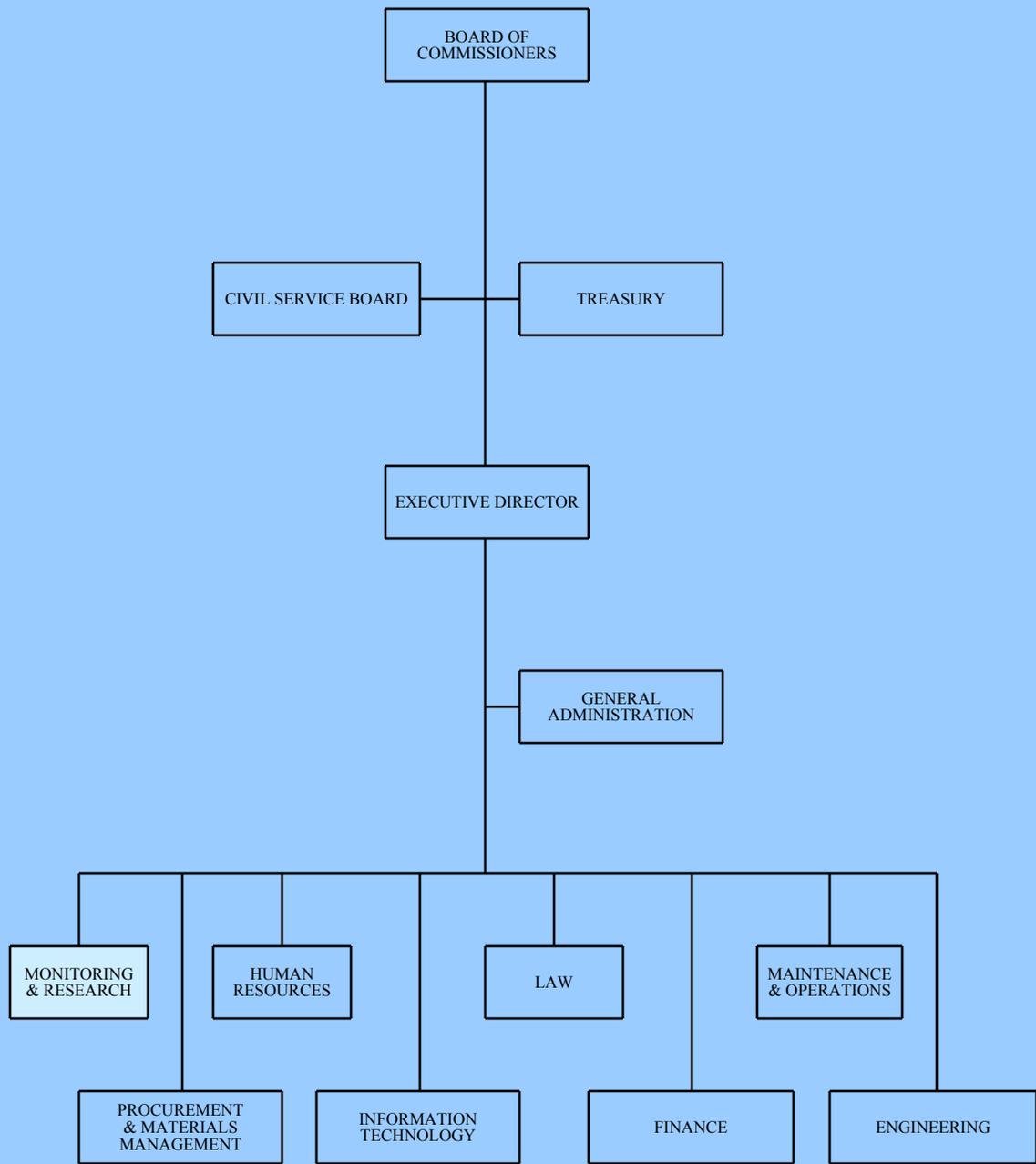
NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

| Fund: Corporate Dept: General Administration | | POSITION ANALYSIS | | | | |
|---|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 051 | Executive Section | | | | | |
| EX07 | Executive Director | 1 | 1 | | 1 | |
| EX06 | Secretary to Officer | 2 | 2 | | 2 | |
| TOTAL 051 | Executive Section | 3 | 3 | 533,033 | 3 | 559,551 |
| 052 | Diversity Section | | | | | |
| HP18 | Diversity Administrator | 1 | 1 | | 1 | |
| HP16 | Senior Diversity Officer | 1 | 2 | | 2 | |
| HP14 | Diversity Officer | 7 | 8 | | 8 | |
| HP11 | Administrative Specialist | 1 | 2 | | 2 | |
| HP09 | Administrative Clerk | 1 | 1 | | 1 | |
| TOTAL 052 | Diversity Section | 11 | 14 | 1,345,360 | 14 | 1,430,629 |
| 053 | Administrative Services Division | | | | | |
| 054 | Administrative Services Section | | | | | |
| EX19 | Administrative Services Officer | 1 | 1 | | 1 | |
| EX06 | Secretary to Officer | 1 | 1 | | 1 | |
| TOTAL 054 | Administrative Services Section | 2 | 2 | 341,363 | 2 | 360,215 |
| 067 | Central Budget Management Unit | | | | | |
| HP20 | Budget Officer | 1 | 1 | | 1 | |
| HP18 | Supervising Budget & Management Analyst | 1 | 1 | | 1 | |
| HP17 | Management Analyst III #2 (Senior Budget & Management Analyst) (New Grade HP16) | — | 1 | | 1 | |
| HP16 | Senior Budget & Management Analyst | 5 | 6 | | 6 | |
| HP14 | Budget & Management Analyst | 8 | 6 | | 6 | |
| TOTAL 067 | Central Budget Management Unit | 15 | 15 | 1,716,409 | 15 | 1,857,549 |
| 080 | Police Section | | | | | |
| 081 | Administrative Unit | | | | | |
| HP18 | Chief of Police | 1 | 1 | | 1 | |
| HP12 | Administrative Assistant #2 (Administrative Specialist) (New Grade HP11) | 1 | 1 | | 1 | |
| TOTAL 081 | Administrative Unit | 2 | 2 | 268,296 | 2 | 279,028 |

| Fund: Corporate Dept: General Administration | | POSITION ANALYSIS | | | | |
|---|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 082 | Police Main Office Building Complex Unit | | | | | |
| HP14 | Police Sergeant | — | — | | 1 | |
| NR2483 | Police Officer | 5 | 5 | | 5 | |
| TOTAL 082 | Police Main Office Building Complex Unit | 5 | 5 | 441,064 | 6 | 561,544 |
| 083 | Police North Service Area Unit | | | | | |
| HP14 | Police Sergeant | 1 | 1 | | 1 | |
| NR2483 | Police Officer | 10 | 10 | | 9 | |
| TOTAL 083 | Police North Service Area Unit | 11 | 11 | 991,221 | 10 | 959,788 |
| 084 | Police Calumet Service Area Unit | | | | | |
| HP14 | Police Sergeant | 1 | 1 | | 1 | |
| NR2483 | Police Officer | 10 | 10 | | 9 | |
| TOTAL 084 | Police Calumet Service Area Unit | 11 | 11 | 1,001,844 | 10 | 937,691 |
| 085 | Police Stickney Service Area Unit | | | | | |
| HP16 | Police Lieutenant | 2 | 2 | | 2 | |
| HP14 | Police Sergeant | 5 | 5 | | 5 | |
| NR2483 | Police Officer | 22 | 22 | | 22 | |
| TOTAL 085 | Police Stickney Service Area Unit | 29 | 29 | 2,788,335 | 29 | 2,955,893 |
| 086 | Police Countywide Unit | | | | | |
| NR2483 | Police Officer | 5 | 5 | | 7 | |
| TOTAL 086 | Police Countywide Unit | 5 | 5 | 441,064 | 7 | 658,258 |
| TOTAL 080 | Police Section | 63 | 63 | 5,931,825 | 64 | 6,352,202 |
| 096 | Building Services Unit | | | | | |
| HP17 | Facilities Administrator | — | — | | 1 | |
| HP16 | Senior Budget & Management Analyst | 1 | 1 | | 1 | |
| HP14 | Budget & Management Analyst | 1 | 1 | | 1 | |
| HP14 | Chief Printing Press Operator | 1 | 1 | | 1 | |
| HP12 | Printing Press Operator | 1 | 1 | | 1 | |

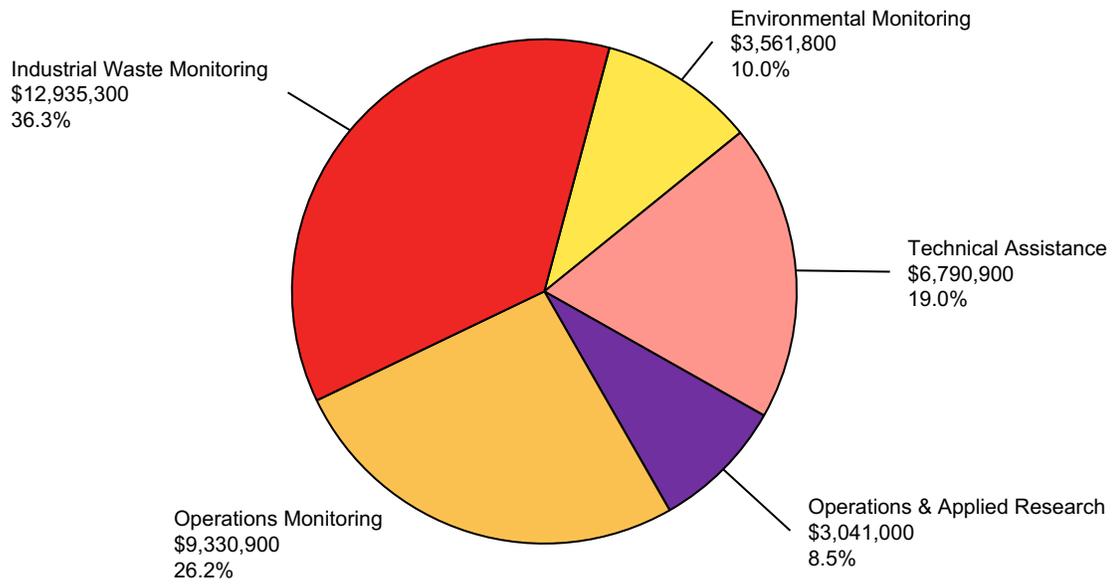
| Fund: Corporate Dept: General Administration | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP11 | Administrative Specialist | 4 | 3 | | 3 | |
| HP09 | Administrative Clerk | 3 | 2 | | 2 | |
| NR8661 | Motor Vehicle Dispatcher Supervisor | 1 | 1 | | 1 | |
| NR8660 | Motor Vehicle Dispatcher | 2 | 2 | | 2 | |
| TOTAL 096 | Building Services Unit | 14 | 12 | 920,953 | 13 | 1,096,913 |
| TOTAL 053 | Administrative Services Division | 94 | 92 | 8,910,551 | 94 | 9,666,878 |
| 071 | Environmental Justice Section | | | | | |
| HP20 | Environmental Justice Program Manager | — | — | | 1 | |
| HP18 | Human Resources Manager | — | 1 | | 1 | |
| HP18 | Principal Civil Engineer | — | 1 | | 1 | |
| HP13 | Senior Administrative Specialist | — | — | | 1 | |
| TOTAL 071 | Environmental Justice Section | — | 2 | 261,975 | 4 | 564,916 |
| 072 | Public Affairs Section | | | | | |
| EX18 | Public & Intergovernmental Affairs Officer | 1 | 1 | | 1 | |
| EX06 | Secretary to Officer | 1 | 1 | | 1 | |
| HP17 | Senior Public Affairs Specialist #2 (New Grade HP16) | 1 | 1 | | — | |
| HP16 | Senior Public Affairs Specialist | — | — | | 1 | |
| HP15 | Public Affairs Specialist #2 (New Grade HP14) | 3 | 3 | | 3 | |
| HP14 | Public Affairs Specialist | 1 | 1 | | 1 | |
| HP14 | Public Affairs Specialist-Bilingual | — | 2 | | 2 | |
| HP13 | Graphic Artist | 2 | 3 | | 3 | |
| HP13 | Senior Administrative Specialist | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 072 | Public Affairs Section | 11 | 14 | 1,477,958 | 14 | 1,503,374 |
| TOTAL | General Administration | 119 | 125 | 12,528,877 | 129 | 13,725,348 |

NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

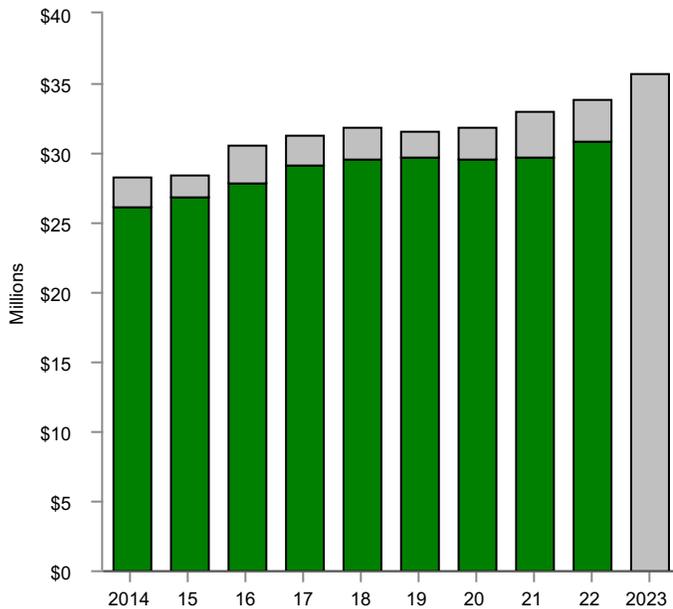


MONITORING & RESEARCH FUNCTIONS

| | |
|----------|--------------|
| 2023 | \$35,659,900 |
| 2022 | \$33,890,700 |
| Increase | \$1,769,200 |



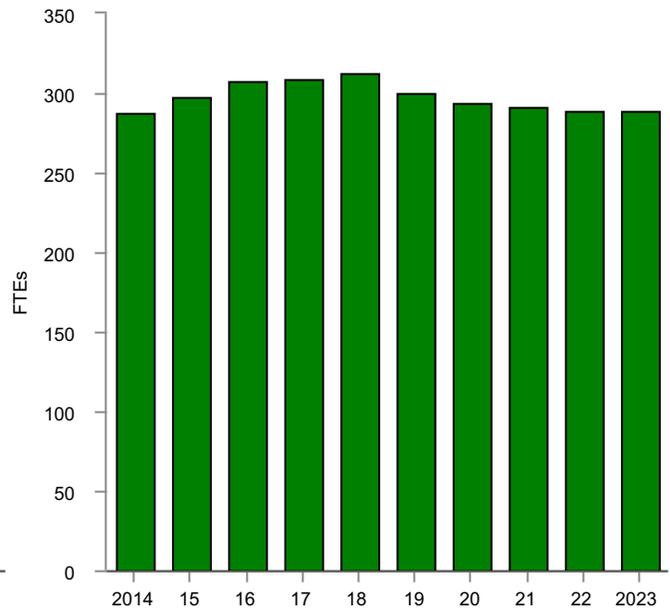
APPROPRIATIONS & EXPENDITURES



2022 Expenditures are estimated

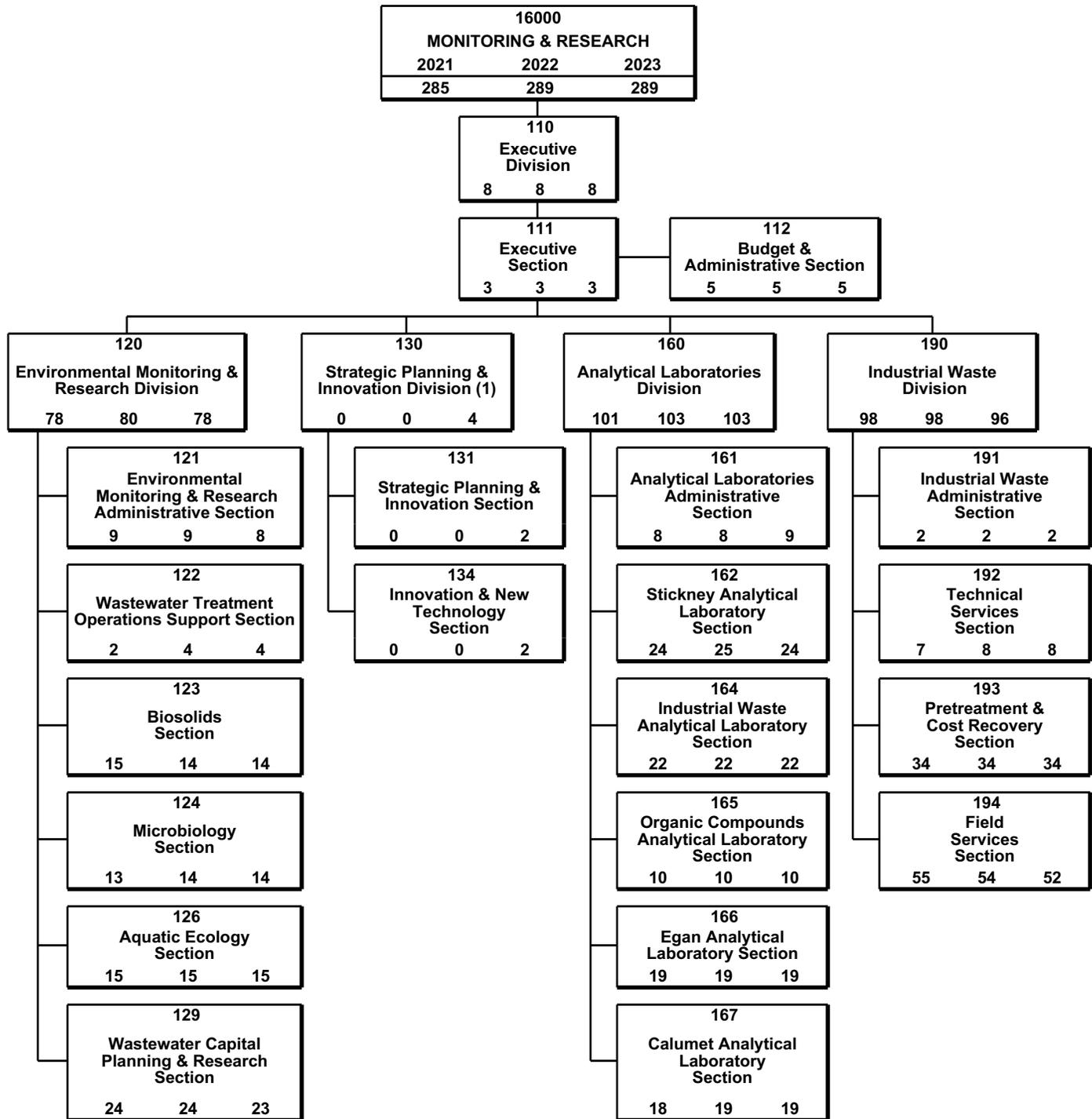
| | | | |
|--|--------------|--|----------------|
| | EXPENDITURES | | APPROPRIATIONS |
|--|--------------|--|----------------|

BUDGETED FTE POSITIONS



2019 - Decrease is due to organizational redesign.

MONITORING & RESEARCH



(1) Effective 01/01/23, Division 130, Strategic Planning & Innovation Division, was created.

MONITORING & RESEARCH

The Monitoring & Research (M&R) Department's mission is to dependably provide industrial waste program ordinance administration, cost-effective monitoring and surveillance, high quality analytical data, technical support, long-term planning, and research to protect and improve District facilities, operations, and the environment.

Departmental Summary

M&R's primary responsibilities include:

- Monitoring liquid and solids process trains for operational control, regulatory compliance, and odor emissions;
- Administering the Pretreatment, Resource Recovery, and User Charge Programs in compliance with federal regulations;
- Monitoring improvements in water quality of area rivers, canals, and groundwater to document regulatory compliance;
- Providing process facility capital planning and technical assistance to address operational challenges and regulatory issues;
- Conducting applied research to reduce the cost of the District's operations and to improve water quality.

Summary of 2022 Major Accomplishments

- Completed the third year of the four-year study, Chicago Area Waterway System (CAWS) Phosphorus Assessment and Reduction Plan, in collaboration with the Illinois Environmental Protection Agency (IEPA) and Environmental Advocacy Groups;
- Completed consultant selection and the first year of a two-year study to develop conceptual plans for achieving energy neutrality at the District;
- Began installation of a new aeration diffuser system in the North Aeration Battery at the Egan Water Reclamation Plant (WRP) to pilot test and compare the efficiency of the new versus District's traditional aeration systems;
- Completed a sidestream enhanced biological phosphorus removal (S2EBPR) demonstration project at the Calumet WRP;
- Expected to complete a S2EBPR pilot at the O'Brien WRP to help inform the design and operation of a full-scale demonstration project;
- Developed chemical dosing criteria for phosphorus removal at the Stickney, Calumet, and O'Brien WRPs as well as operational guidance for a full-scale system at the Stickney WRP;
- Led the District's participation in sewer surveillance programs conducted by the U.S. Centers for Disease Control, the Illinois Department of Public Health, and the Chicago Department of Public Health, participated in Water Environment Federation's Utility Community of Practice about sewage surveillance as well as a research project led by the University of Florida;
- Led an interdepartmental task force to continue the development of a Climate Action Plan for the District;
- Developed a quantitative polymerase chain reaction method as a more technologically advanced and efficient method for estimating phosphorus accumulating organisms in the wastewater treatment process to support the biological nutrient removal at the District's WRPs.

2023 Appropriation and Position Summary

The 2023 appropriation for M&R is \$35,659,900, an increase of \$1,769,200, or 5.2 percent, from 2022. The staffing level remains unchanged at 289 positions. A Strategic Planning & Innovation Division has been created to oversee the implementation of the Strategic Plan. Staffing for this new division will include the addition of one Manager of Strategy & Innovation position and one Senior Budget & Management Analyst position, and the transfer of one Principal Environmental Scientist position and one Senior Environmental Research Scientist position from the Environmental Monitoring & Research Division. The budget also includes the addition of one Principal Environmental Scientist position and the transfer in of one Administrative Clerk position from the Procurement & Materials Management Department, and the drop of one Biostatistician position, one Environmental Specialist position, one Laboratory Technician I #1 position, and one Pollution Control Technician II position.

2023 Budget Highlights

M&R continuously works to improve its business practices in order to maintain a clear focus on its mission, while striving to decrease the number of budgeted positions in an increasingly complex environment while maintaining all essential technical support, analytical laboratory, and industrial waste program ordinance administration functions. This is a testament to M&R's highly skilled, professional, and dedicated staff. To highlight and strengthen the District's commitment to innovation, a new Strategic Planning & Innovation Division is being added to the M&R budget. This new division will explore growth opportunities and innovative solutions, assist diverse teams in embracing new ideas, and increase efficiency in government.

The following budget highlights support the District's Strategic Plan Goal of Resource Management. The District seeks to maintain a high level of performance on the core mission of protecting the public health and area waterways, while pursuing opportunities to recover and reuse resources. The initiatives described below exemplify the District's goal of maintaining and operating its facilities and assets to provide that high level of service.

Maintaining high level of permit compliance in the face of evolving regulatory requirements, continue efforts to improve water quality

- Conduct permit-required groundwater monitoring for four TARP tunnel systems, three reservoirs, four biosolids management sites, and Fischer Farm in Hanover Park;
- Administer Ambient Water Quality Monitoring and Continuous Dissolved Oxygen Monitoring programs for the waterways in the District's service area to meet the National Pollutant Discharge Elimination System (NPDES) permit requirements;
- Collect and report waterways chloride data to comply with the Time Limited Water Quality Standard for Chloride;
- Utilize an electro-fishing boat to conduct fish surveys and continue to assess the impacts of the District initiatives and improvements on the ecosystem of the waterway;
- Oversee the continued implementation of a District-wide Odor Monitoring program and odor mitigation Reduction Strategies to document occurrences of odors with the purpose of minimizing or eliminating odors in the communities surrounding the District's facilities, collection systems, and biosolids drying areas;
- Continue implementation of a Dental Amalgam Program to abate mercury discharges from dental offices to the District's collection system and ultimately the water environment;
- Continue the District-wide phosphorus studies to implement phosphorus removal at District WRPs. M&R is leading the District's Phosphorus Removal and Recovery Task Force that assists the M&O Department in implementing and optimizing enhanced biological and chemical phosphorus removal at the Stickney, Calumet, O'Brien, and Kirie WRPs;
- Manage the contract to finalize the development of the Phosphorus Assessment and Reduction Plan for the CAWS, and continue to participate on the CAWS Nutrient Oversight Committee;
- Support the IEPA by participating in various workgroups for implementing the Illinois Nutrient Loss Reduction Strategy and developing nutrient water quality standards for Illinois;
- Represent the District as a member in local watershed groups. M&R will provide water quality data and analysis to support the Phosphorus Assessment and Reduction Plan for the CAWS, and the watershed workgroup efforts to create Nutrient Assessment and Reduction Plans for the watersheds that include the Egan, Hanover Park, and Kirie WRP's;
- Converting Biochemical Oxygen Demand (BOD) to Total Organic Carbon (TOC) analyses has been added to most District NPDES permits; the District awaits approval for one final permit. All NPDES permits replaced with the TOC analyses will be analyzed by the Egan Analytical Laboratory. This will provide the District with a more reliable, cost effective replacement of the BOD analyses and reduce hazardous waste.

Pursue resource recovery opportunities to increase sustainability and recover costs

- Continue to lead and develop the Resource Recovery Program for supporting the District's energy recovery, phosphorus recovery, and biosolids initiatives;
- Work to develop a District-wide biosolids strategy to ensure continued sustainability of the District's Biosolids Management Program. M&R will continue to provide technical support to the M&O Department biosolids management programs. M&R will maintain a biosolids brownfield research and demonstration site at Stickney to promote the local use of EQ biosolids, and continue their promotion and sustainability practices through technical support to users, a quarterly newsletter, a sustainability workshop, biosolids beneficial reuse awards, and other public events;
- Investigate technologies to reduce energy costs such as ammonia-based aeration control, granulation, and new aeration systems;
- Partner with the Engineering and M&O Departments to evaluate phycoremediation (algae-based) strategies to reduce nutrients in the O'Brien WRP's effluent and to reduce the District's carbon footprint.

Develop Innovation Ecosystem - drive innovation through partnerships with water associations, universities, and labs

- Support the U.S. Centers for Disease Control, the Illinois Department of Public Health, and the Chicago Department of Public Health, the University of Florida, Water Environment Federation, and other partners in development and implementation of sewage surveillance for addressing public health concerns;
- Partner with a consortium of agricultural industry organizations to investigate watershed approaches for improving water quality in the Illinois River basin. The activities under this partnership include research and demonstration projects, and field days at the District's Fulton County site;
- M&R will continue to represent the District on technical committees for the Illinois Association of Wastewater Agencies and will have a representative as Immediate Past President on their executive board in 2023;
- Pilot test Revolving Algal Biofilm System for nutrient removal and recovery from centrate at the Stickney WRP.

The following budget highlights support the District's Strategic Plan Goal of Workforce Excellence. The District is committed to investing in its future by investing in its employees. The initiatives highlighted below will allow the District to continue to recruit, develop, and retain best-in-class employees as the foundation of the organization's ongoing success.

Foster a culture that recognizes the value of every employee and cultivate an employee population that evolves with industry trends

- Arrange continuing education and professional development to all of its employees. M&R conducts a monthly Environmental Issues and Research Seminar series at the Cecil Lue-Hing Research and Development Complex, which are streamed to multiple facilities and are available online through the District's web portal. The seminar series is available to all employees and the local community, and is approved by both the Illinois Society of Professional Engineers for professional development credits and the Illinois Environmental Agency for Wastewater Operator Continual Education Units for some topics. Based on the 2021 and 2022 attendees, either in person or virtually, it is anticipated that attendance for 2023 will be approximately 1,900.

The following budget highlights support the District's Strategic Plan Goal of Community Engagement. The initiatives below show the District is committed to engage with community to demonstrate the commitment to be a critical community asset, a responsive neighbor, and inclusive business partner.

Raise public awareness of the value of the District's work and encourage public involvement

- Provide support to outreach activities, such as school science fair projects, District laboratory tours, local public meetings, and parades. M&R will distribute newsletters and hold at least one annual workshop for the industrial user community.

The following budget highlights support the District's Strategic Plan Goal of Enterprise Resilience, ensuring ongoing services that are reliable, equitable, and cost-effective; achieve climate change and environmental justice protections; prepare for other manmade and natural events.

Proactively expand efforts to strengthen functionality in the face of future events

- Lead long-term capital planning for District WRPs. In 2023, M&R will oversee the development of conceptual plans and cost estimates for achieving energy neutrality at one WRP by the year 2030, and achieving net energy neutrality District-wide by 2035. Completion of this plan is expected by December 31, 2023;
- Continue to implement some of the recommendations from the interdepartmental, long-term, process facility capital planning process. The review includes District business initiatives, anticipated regulatory requirements, and community service level expectations. In 2023, M&R will continue to address issues such as updating the WRP processes and hydraulic models, as well as incorporating findings from the ongoing development of the District's Biosolids Strategy and Odor Reduction Strategy;
- Update and revise the draft Climate Action Plan to reflect changes in the District's carbon footprint because of the recent revision of guideline for developing inventory of greenhouse gas emissions at the wastewater treatment facilities. Adoption of the District's Climate Action Plan is expected in 2023.

Standardize operations - streamline and automate internal processes

- Finalize the implementation of a new Laboratory Information Management System which streamlines processes to ensure continued data quality and increased productivity. The goal is to implement a system that is configurable without customization; therefore, eliminating the need for outside consultants. The new system will provide for traceability of reagents and analysts' training, which will mitigate errors and reduce the use of paper. It will also be adaptable to the use of mobile devices, which will enable electronic chain of custody for future samples;
- Deploy electronic reporting capabilities that have been under development since 2020, which will allow Commercial/Industrial Users to submit self-monitoring data and permit applications electronically, eliminating hard copy reports, and manual data entry by M&R staff.

USER CHARGE AND INDUSTRIAL WASTE PRETREATMENT PROGRAM

M&R generates an important revenue stream through the recovery of operations, maintenance, and replacement costs incurred from treating wastewater discharges from Large Commercial/Industrial Users and Tax-Exempt Users of the sewerage system, and the costs of administering the District's Pretreatment and User Charge Programs. The User Charge Program assesses the charges, beyond those recovered through payment of ad valorem property taxes, based on the annual volume and the BOD and suspended solids loadings of wastewater discharged. Based on the 2023 rates, the 2021 user clearing data, and the recent impact of the COVID-19 global pandemic, the projected 2023 User Charge Revenue is \$37.0 million. The User Charge rates take into account the costs budgeted in the Corporate Fund for operations and maintenance, as well as in the Construction Fund for the required rehabilitation of the District's facilities and infrastructures.

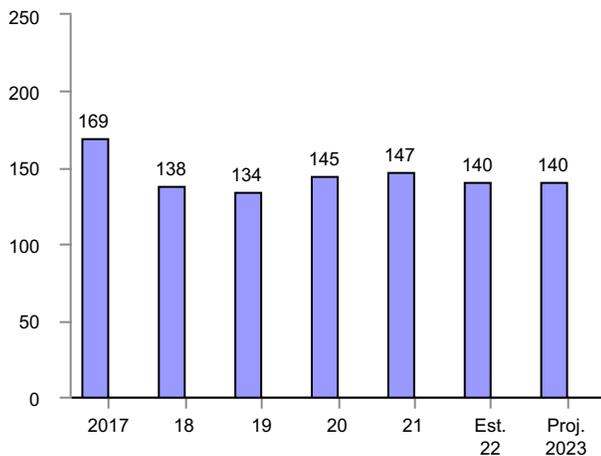
| Five-Year Trend in User Charge Revenue | |
|--|----------------------|
| Year | User Charge Receipts |
| 2017 | \$53,252,035 |
| 2018 | \$41,301,817 |
| 2019 | \$51,783,405 |
| 2020 | \$45,901,043 |
| 2021 | \$41,211,339 |
| 2022 Estimated | \$38,000,000 |
| 2023 Projected | \$37,000,000 |

M&R will continue to encourage users who are eligible for reduced reporting and self-monitoring to migrate to this automated process. M&R remains vigilant in identifying and classifying new users and in 2023 has a goal of identifying, classifying, and administering 50 new users to offset any reductions in existing users. In addition, M&R continues to monitor industrial users that require higher scrutiny to safeguard the WRPs and local waterways. This includes the Dental Amalgam Program, for which M&R has already processed approximately 1,800 compliance forms from local dentists and expects roughly 550 more forms before the end of 2023.

M&R is committed to stopping pollution at its source by operating an effective Industrial Waste Pretreatment Program in full compliance with all federal and state statutes. During 2023, the administration of the Program will require the issuance or renewal of Discharge Authorizations for approximately 90 Significant Industrial Users, the review of approximately 600 Continued Compliance Reports, and 20 Slug Control or Spill Prevention, and Countermeasure Plans. M&R expects to perform approximately 700 inspections associated with administering the District’s Sewage and Waste Control Ordinance and will randomly sample and analyze at least 50 percent of the anticipated 1,800 chemical toilet disposals at the Stickney WRP. As shown in the table below, M&R is not anticipating any substantial variation in the number of enforcement activities for significant violations of the Sewage and Waste Control Ordinance, by Cease and Desist Orders issued to Industrial Users.

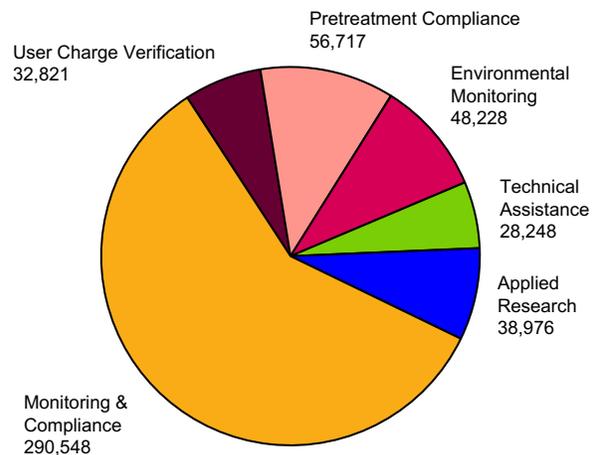
| Five-Year Trend in Enforcement Activities | |
|---|-------------------------|
| Year | Cease and Desist Orders |
| 2019 | 110 |
| 2020 | 53 |
| 2021 | 105 |
| 2022 Estimated | 100 |
| 2023 Projected | 100 |

Number of Emergency Responses



2018 - Decrease due to more effective spill precaution and slug control outreach effort to industry, along with fewer heavy precipitation events.

2023 Projected Laboratory Analyses by Program



M&R provides first-response services for hazardous materials emergencies and complaints of pollution to surface water and sewage systems. Approximately 140 investigations in response to requests from federal, state, and local agencies, municipalities, private citizens, industrial sources, and the M&O Department will be conducted in 2023. As a result of the District's Industrial Waste Pretreatment Program, all of the biosolids produced by the District in 2023 are expected to meet the highest quality criteria for trace metals under the USEPA Biosolids Rule (40 CFR Part 503) and the WRP effluents are expected to meet all NPDES permit limits for regulated industrial pollutants.

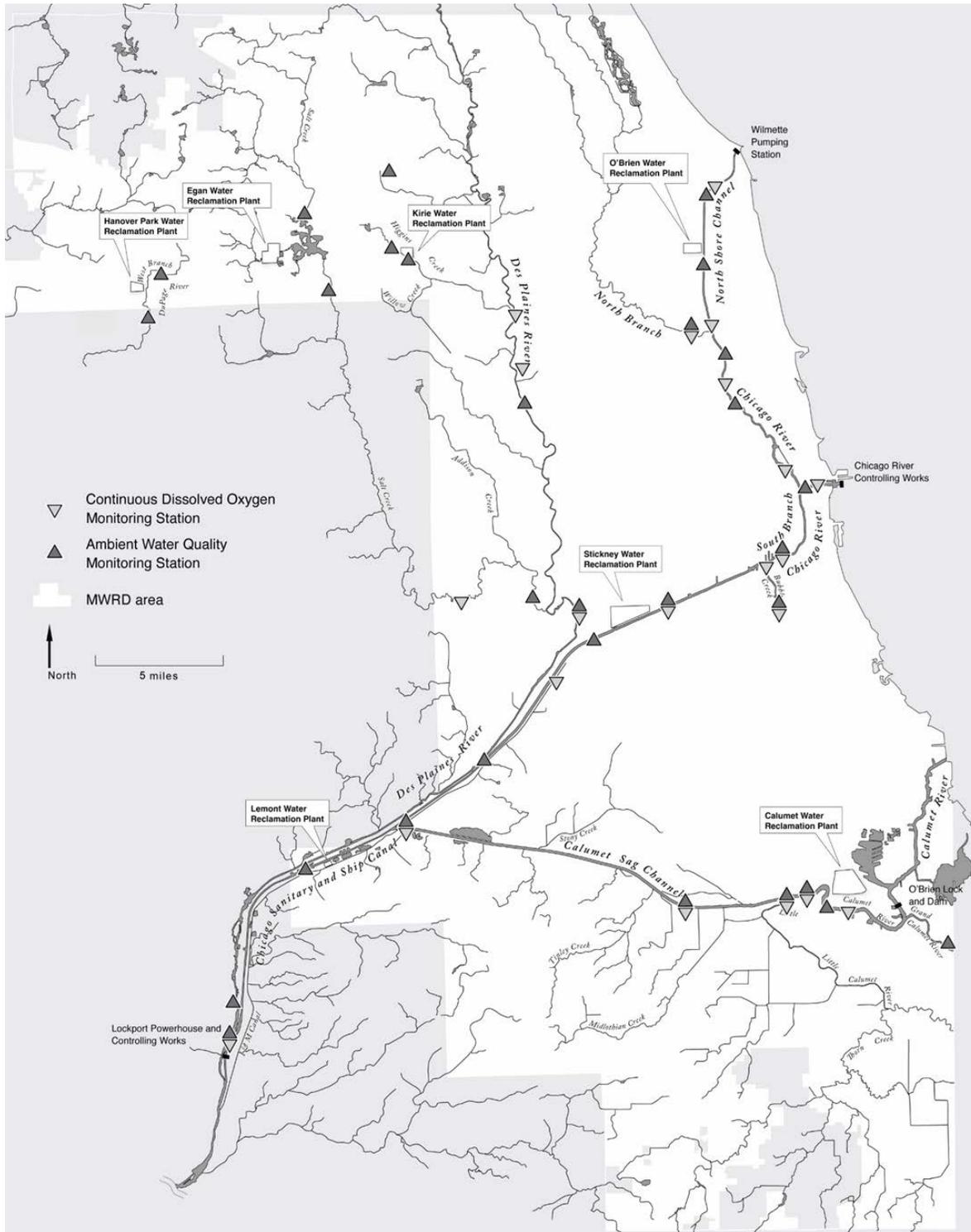
WATER AND AIR MONITORING

In 2023, M&R will collect and analyze approximately 300 samples from 102 TARP groundwater monitoring wells and three reservoirs. M&R will also compile 10 annual monitoring reports for the four TARP tunnel systems, including the Mainstream, Calumet, Des Plaines, and Upper Des Plaines systems, as well as the Gloria Alitto Majewski, the Thornton Composite, and the McCook Reservoirs, to meet the operating permit requirements of these facilities. These samples also include groundwater monitoring at four biosolids management facilities in accordance with permits issued by the IEPA. A total of 45 monitoring reports will be submitted to the IEPA.

On a daily basis, M&R monitors multiple critical control points of the liquid and solids process trains at each of the seven WRPs to improve operations and the quality of effluents and biosolids. This process includes chemical, biological, and microbiological monitoring, which will generate 495,538 projected tests in 2023. M&R provides support to the M&O Department by making non-proprietary reagents that are needed to operate online ammonia and chlorine analysis systems.

Monitoring & Research

Waterways Monitoring Program 4672 - Waterways Monitoring Stations



Operations of the District meet stringent standards contained in NPDES permits issued for each WRP. Processing and utilization of solids are regulated by IEPA permits and federal regulations. M&R monitors ambient water quality at 30 sampling locations, and operates 21 continuous dissolved oxygen monitoring stations in the shallow and deep-draft waterways within the District’s service area. The environmental information is used to demonstrate compliance with water quality standards and the beneficial effects of the District’s operational improvements on water quality in the waterways. Fish sampling in the District service area is also conducted at select locations to characterize the biological integrity of the waterways.

16000 MONITORING & RESEARCH

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | | Cost | Percent |
|---|--|----------------------|----------------|
| 1. OPERATIONS MONITORING: Monitor the District's collection, treatment, and disposal operations to ensure compliance with National Pollutant Discharge Elimination System, Illinois Environmental Protection Agency, and other regulations. | Liquid Process Analyses | \$ 6,117,600 | 17.2 % |
| | Solids Process Analyses | \$ 2,989,200 | 8.4 % |
| | Air Quality Monitoring | \$ 224,100 | 0.6 % |
| | | <u>\$ 9,330,900</u> | <u>26.2 %</u> |
| 2. INDUSTRIAL WASTE MONITORING: Administer the Sewage and Waste Control Ordinance (Pretreatment Program), User Charge Ordinance (User Charge Program), Environmental Remediation Wastewater Ordinance, and Chemical Toilet Wastes Disposal Ordinance. * Note: "SIUs" refers to Significant Industrial Users. | Residential Users | \$ 304,000 | 0.9 % |
| | Large Commercial - Industrial and Tax-Exempt Users | \$ 5,815,900 | 16.3 % |
| | Environmental Remediation | \$ 137,200 | 0.4 % |
| | Chemical Toilet Waste | \$ 291,000 | 0.8 % |
| | SIUs* - Pretreatment Program | \$ 5,568,000 | 15.6 % |
| | Other Industrial Users | \$ 382,400 | 1.1 % |
| | All Other - General | \$ 436,800 | 1.2 % |
| | | <u>\$ 12,935,300</u> | <u>36.3 %</u> |
| 3. ENVIRONMENTAL MONITORING: Monitor the water quality of Lake Michigan and the waterways in order to detect and reduce the incidence of pollution. | Lake Michigan Monitoring | \$ 83,600 | 0.2 % |
| | Waterways Monitoring | \$ 2,599,400 | 7.3 % |
| | Inspection Events | \$ 213,200 | 0.6 % |
| | Groundwater Monitoring | \$ 665,600 | 1.9 % |
| | | <u>\$ 3,561,800</u> | <u>10.0 %</u> |
| 4. TECHNICAL ASSISTANCE: Conduct a program of independent review of water reclamation plant operations, regular consultation, and assistance for the solution of operating problems, provide technical assistance to other agencies upon request, provide review and response to proposed regulations issued by federal, state, and local governments, and provide long-term facility planning. | M&O Assistance | \$ 2,822,500 | 7.9 % |
| | General Assistance | \$ 753,500 | 2.1 % |
| | Regulatory Review and Response | \$ 661,500 | 1.9 % |
| | Engineering Process Design Support | \$ 1,109,700 | 3.1 % |
| | Regulatory Compliance Reporting | \$ 613,200 | 1.7 % |
| | Facility Capital Planning | \$ 830,500 | 2.3 % |
| | | <u>\$ 6,790,900</u> | <u>19.0 %</u> |
| 5. OPERATIONS & APPLIED RESEARCH: Conduct operations and applied research for process improvement and cost reduction in District operations. | | \$ 3,041,000 | 8.5 % |
| | Totals | <u>\$ 35,659,900</u> | <u>100.0 %</u> |

16000 MONITORING & RESEARCH

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|-----------------------|--|--------------|----------|--------------|--------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 4650 | Operations Monitoring | \$ 7,507,236 | 2023 78 | \$ 9,330,900 | \$ 329,000 | 3.7 | a) |
| | | | 2022 79 | \$ 9,001,900 | | | |
| 4660 | Industrial Waste Monitoring | \$12,016,492 | 2023 109 | \$12,498,500 | \$ (25,000) | (0.2) | |
| | | | 2022 111 | \$12,523,500 | | | |
| 4670 | Environmental Monitoring | \$ 2,600,921 | 2023 29 | \$ 3,561,800 | \$ 309,300 | 9.5 | b) |
| | | | 2022 29 | \$ 3,252,500 | | | |
| 4680 | Technical Assistance | \$ 5,379,482 | 2023 49 | \$ 6,790,900 | \$ 275,200 | 4.2 | c) |
| | | | 2022 50 | \$ 6,515,700 | | | |
| 4690 | Operations and Applied Research | \$ 1,902,521 | 2023 20 | \$ 2,402,600 | \$ 238,900 | 11.0 | d) |
| | | | 2022 20 | \$ 2,163,700 | | | |
| 7252 | Management and Organization Studies | \$ — | 2023 4 | \$ 638,400 | \$ 638,400 | 100.0 | e) |
| | | | 2022 — | \$ — | | | |
| 7604 | Social Security and Medicare Contributions | \$ 374,355 | 2023 — | \$ 436,800 | \$ 3,400 | 0.8 | |
| | | | 2022 — | \$ 433,400 | | | |
| Totals | | \$29,781,007 | 2023 289 | \$35,659,900 | \$ 1,769,200 | 5.2 % | |
| | | | 2022 289 | \$33,890,700 | | | |

a) Increase is due to the purchase of laboratory printers and scanners (\$120,000), additional analysis for Biosolids sampling for permits (\$53,200), increase to laboratory purchases (\$45,400), the anticipated increase for preventive maintenance and repairs at the Organic Compounds Analytical Laboratory (\$37,000), and an increase to odor monitoring equipment (\$20,000).

b) Increase is due to the replacement of an electrofishing boat (\$150,000), and the purchase and installation of CDOM telemetry equipment (\$61,200).

c) Increase is due to the purchase of continuous odor monitoring systems (\$236,000).

d) Increase is due to the purchase of a molecular instrument for analyses (\$102,800), a greenhouse gas study (\$75,000), and an Algal Assemblage Assessment and supplies (\$46,200).

e) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$310,100) and the addition of two FTE positions (\$275,000) to establish a new section that will focus on Strategic Planning and Innovation.

16000 MONITORING & RESEARCH

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|---|--------------------------------------|---------------|---------------|----------------|----|
| 4650 | Operations Monitoring: Monitoring of water reclamation plant operations to inform operations and comply with permits and regulations | | | | | |
| 4652 | Liquid Monitoring: Monitoring of the District's liquid process trains (primarily effluent) to inform operations and comply with permits and regulations | Liquid Process Analyses | 169,119 | 232,432 | 207,272 | |
| | | Program Cost | \$ 4,890,030 | \$ 6,017,500 | \$ 6,117,600 | |
| | | Program Cost/Analysis | \$ 28.91 | \$ 25.89 | \$ 29.51 | |
| 4653 | Solids Monitoring: Monitoring of the District's sludge and biosolids generated from the wastewater treatment process to inform operations and comply with permits and regulations | Number of Analyses | 59,832 | 81,201 | 69,398 | |
| | | Program Cost | \$ 2,432,382 | \$ 2,791,500 | \$ 2,989,200 | a) |
| | | Program Cost/Analysis | \$ 40.65 | \$ 34.38 | \$ 43.07 | |
| 4654 | Air Monitoring: Air quality monitoring at the District's WRPs and solids management areas to comply with regulations and identify odors affecting surrounding areas resulting in citizen complaints | Number of Analyses | 13,878 | 4,035 | 13,878 | b) |
| | | Sampling Events | 235 | 410 | 435 | |
| | | Program Cost | \$ 184,824 | \$ 192,900 | \$ 224,100 | c) |
| | | Program Cost/Analysis | \$ 13.32 | \$ 47.81 | \$ 16.15 | |
| 4660 | Industrial Waste Monitoring: Activities associated with sampling, analysis, enforcement, and administration of users so classified below to monitor compliance with the User Charge and Pretreatment Programs | | | | | |
| 4661 | User Charge Ordinance - Residential and Small Non-Residential Commercial/Industrial Users | Number of Users | 1,661 | 1,500 | 1,500 | |
| | | Program Cost | \$ 326,243 | \$ 294,000 | \$ 304,000 | |
| | | Program Cost/User | \$ 196.41 | \$ 196.00 | \$ 202.67 | |
| 4662 | User Charge Ordinance - Tax-Exempt Users | Number of Users | 2,744 | — | — | |
| | | Program Cost | \$ 1,183,806 | \$ — | \$ — | |
| | | Program Cost/User | \$ 431.42 | \$ — | \$ — | |
| | | Revenue | \$ 10,302,835 | \$ — | \$ — | |
| | | Revenue/User | \$ 3,754.68 | \$ — | \$ — | |
| 4663 | User Charge Ordinance - Large Commercial - Industrial and Tax-Exempt Users | Number of Users | 586 | 3,350 | 3,300 | |
| | | Program Cost | \$ 4,435,257 | \$ 5,795,000 | \$ 5,815,900 | |
| | | Program Cost/User | \$ 7,568.70 | \$ 1,729.85 | \$ 1,762.39 | |
| | | Revenue | \$ 30,908,504 | \$ 38,000,000 | \$ 37,000,000 | d) |
| | | Revenue/User | \$ 52,744.89 | \$ 11,343.28 | \$ 11,212.12 | |
| | | Industrial Waste Monitoring Analyses | 43,648 | 63,556 | 32,821 | e) |
| | | Program Cost/Analysis | \$ 101.61 | \$ 91.18 | \$ 177.20 | |
| 4664 | Environmental Remediation Wastewater Ordinance | Permits Issued | 8 | 15 | 10 | f) |
| | | Program Cost | \$ 122,145 | \$ 131,100 | \$ 137,200 | |
| | | Program Cost/Permit | \$ 15,268.13 | \$ 8,740.00 | \$ 13,720.00 | |
| | a) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$85,800), and an increase for analysis of Biosolids sampling for permits (\$53,200). b) Increase is due to a change in the sampling methodology of biosolids. c) Increase is due to the purchase of odor monitoring equipment (\$20,000). d) Decrease in revenue is due to projected user charge trends. e) Decrease is due to a reduced demand for analyses due to efficiency efforts to reduce superfluous sampling. f) Decrease is due to a reduction in construction activities resulting in lower remediation permits. | | | | | |

16000 MONITORING & RESEARCH

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|---|---|---------------------------|----------------|------------------|-------------------|----|
| 4665 | Chemical Toilet Wastes Disposal Ordinance | Permits Issued | 3 | 3 | 3 | |
| | | Program Cost | \$ 141,622 | \$ 268,100 | \$ 291,000 | |
| | | Program Cost/Permit | \$ 47,207.33 | \$ 89,366.67 | \$ 97,000.00 | |
| 4666 | Sewage and Waste Control Ordinance - SIUs | Number of SIUs | 321 | 340 | 315 | |
| | | Waste Monitoring Analyses | 27,489 | 35,308 | 56,717 | g) |
| | | Program Cost | \$ 4,293,916 | \$ 5,668,600 | \$ 5,568,000 | |
| | | Program Cost/Analysis | \$ 156.20 | \$ 160.55 | \$ 98.17 | |
| | | Program Cost/SIU | \$ 13,376.69 | \$ 16,672.35 | \$ 17,676.19 | |
| 4667 | Sewage and Waste Control Ordinance - SIU Extraordinary Monitoring and Enforcement Activities: SIUs that have been the subject of violation-related enforcement actions to verify compliance through inspection and/or sampling | Number of SIUs | 118 | — | — | |
| | | Program Cost | \$ 1,005,983 | \$ — | \$ — | |
| | | Program Cost/SIU | \$ 8,525.28 | \$ — | \$ — | |
| 4668 | Other Regulatory Activities - Industrial Users | Number of IUs | 114 | 300 | 120 | h) |
| | | Program Cost | \$ 507,520 | \$ 366,700 | \$ 382,400 | |
| | | Program Cost/IU | \$ 4,451.93 | \$ 1,222.33 | \$ 3,186.67 | |
| 4670 | Environmental Monitoring: Regulatory required monitoring or discretionary sampling and analysis to address or evaluate the impact of wastewater conveyance, treatment, and discharge of treated effluent on local surface water and groundwater | | | | | |
| 4671 | Lake Michigan Monitoring: Sampling and analysis to determine the impact of Combined Sewer Overflow backflow, due to storm events, on the water quality of Lake Michigan | Environmental Analyses | — | 302 | 268 | |
| | | Program Cost | \$ 73,420 | \$ 76,900 | \$ 83,600 | |
| | | Program Cost/Analysis | \$ — | \$ 254.64 | \$ 311.94 | |
| 4672 | Waterways Monitoring: Sampling and analysis of Chicago Area Waterways to assess the impact of treated effluent discharge and comply with regulations | Sampling Events | 682 | 706 | 718 | |
| | | Environmental Analyses | 26,098 | 27,919 | 33,063 | i) |
| | | Program Cost | \$ 1,991,288 | \$ 2,331,300 | \$ 2,599,400 | j) |
| | | Program Cost/Analysis | \$ 76.30 | \$ 83.50 | \$ 78.62 | |
| 4673 | Inspection Events: Inspections in response to complaints from citizens and requests from fire and police departments, and municipal and regulatory agencies. Also, activities related to enforcement of the Sewage and Waste Control Ordinance for direct discharges to waterways | Inspection Events | 147 | 140 | 140 | |
| | | Program Cost | \$ 197,486 | \$ 217,700 | \$ 213,200 | |
| | | Program Cost/Inspection | \$ 1,343.44 | \$ 1,555.00 | \$ 1,522.86 | |
| 4674 | Groundwater Monitoring: Sampling and analysis conducted at various sites such as wells and reservoirs associated with the TARP System, and lysimeters and wells at solids management areas to comply with IEPA permits | Number of Analyses | 12,122 | 14,605 | 14,897 | |
| | | Sampling Events | 383 | 300 | 300 | |
| | | Number of Sites | 165 | 165 | 165 | |
| | | Program Cost | \$ 338,727 | \$ 626,600 | \$ 665,600 | |
| | | Program Cost/Analysis | \$ 27.94 | \$ 42.90 | \$ 44.68 | |
| <p>g) Increase is due to additional testing needed for new instrumentation equipment quality control.</p> <p>h) Decrease is due to an expected decline in construction permits.</p> <p>i) Increase is due to a projected forecast of milder temperatures, which will allow for more sampling events.</p> <p>j) Increase is due to the replacement of an electrofishing boat (\$150,000), the purchase and installation of CDOM telemetry equipment (\$61,200), and an increased demand for laboratory analysis supplies (\$17,000).</p> | | | | | | |

16000 MONITORING & RESEARCH

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|--|--|----------------------------------|---------------|---------------|----------------|----|
| 4680 | Technical Assistance | | | | | |
| 4681 | Assistance to Maintenance & Operations Department Troubleshoot problems in plant operations or evaluate options to improve the effectiveness and cost efficiencies in plant operations | Responses Completed | 429 | 535 | 600 | |
| | | Number of Analyses | 14,810 | 26,911 | 20,813 | k) |
| | | Sampling Events | 670 | 576 | 508 | |
| | | Program Cost | \$ 1,454,716 | \$ 2,024,500 | \$ 2,822,500 | l) |
| | | Program Cost/Analysis | \$ 98.23 | \$ 75.23 | \$ 135.61 | |
| | | Program Cost/Event | \$ 2,171.22 | \$ 3,514.76 | \$ 5,556.10 | |
| 4682 | General Assistance to All Other Departments: Technical assistance based on requests, primarily to the Law Department | Responses Completed | 211 | 264 | 255 | |
| | | Number of Analyses | 584 | 763 | 157 | m) |
| | | Sampling Events | 3 | 16 | 10 | m) |
| | | Program Cost | \$ 587,966 | \$ 744,200 | \$ 753,500 | |
| | | Program Cost/Analysis | \$ 1,006.79 | \$ 975.36 | \$ 4,799.36 | |
| | | Program Cost/Event | \$ 195,988.67 | \$ 46,512.50 | \$ 75,350.00 | |
| 4683 | Regulatory Review and Response: Review of current or pending federal, state, and local regulations to determine the impact and cost on District operations | Responses Completed | 34 | 77 | 38 | n) |
| | | Program Cost | \$ 1,093,832 | \$ 1,198,500 | \$ 661,500 | o) |
| 4684 | Engineering Process Design Support: Technical assistance to the Engineering Department to improve District facilities and optimize process design | Number of Analyses | 14,363 | 20,203 | 7,278 | p) |
| | | Responses Completed | 30 | 59 | 29 | q) |
| | | Program Cost | \$ 1,227,299 | \$ 1,148,400 | \$ 1,109,700 | |
| | | Program Cost/Analysis | \$ 85.45 | \$ 56.84 | \$ 152.47 | |
| 4685 | Regulatory Compliance Reporting: Preparation of reports and letters required by regulatory agencies, such as USEPA and IEPA, to comply with permits and other regulatory requirements or to justify modifications of regulatory requirements | Reports/Data Transmittal Letters | 47 | 56 | 48 | |
| | | Program Cost | \$ 241,667 | \$ 591,200 | \$ 613,200 | |
| | | Program Cost/Report | \$ 5,141.85 | \$ 10,557.14 | \$ 12,775.00 | |
| 4686 | Facility Capital Planning and Capital/Maintenance Project Evaluations: Activities to develop, facilitate, prioritize, and document the District's capital plan alternatives to improve the District's treatment plant processes and infrastructure | Program Cost | \$ 774,002 | \$ 808,900 | \$ 830,500 | |
| <p>k) Decrease is due to new permit requirements for composting operations resulting in a reduced amount of required analyses and the completion of the Phosphorus Assessment Reduction project.</p> <p>l) Increase is due to a study to promote odor and solids reduction at the Thornton Composite Reservoir (\$500,000) and the purchase of continuous odor monitoring systems (\$236,000).</p> <p>m) Decrease is due to annual fluctuation in technical assistance requests from other departments.</p> <p>n) Decrease is due to reduced review requests for regulatory documents.</p> <p>o) Decrease is due to the Phosphorus Assessment and Reduction Plan project nearing completion (\$543,000).</p> <p>p) Decrease is due to project progression from the process design phase to the operations and applied research phase.</p> <p>q) Decrease is due to annual fluctuation in technical assistance requests from other departments.</p> | | | | | | |

16000 MONITORING & RESEARCH

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 | 2022 | 2023 | |
|--|--|-----------------------|---------------|---------------|---------------|----|
| | | | Actual | Budgeted | Estimated | |
| 4690 | Operations and Applied Research: Basic and applied research to generate information to improve District operations, evaluate the impact of District activities on the environment, and to address the potential impact of regulations on District operations | Sampling Events | 9,597 | 1,401 | 1,666 | r) |
| | | Research Projects | 54 | 64 | 55 | |
| | | Laboratory Analyses | 26,994 | 8,263 | 38,976 | s) |
| | | Program Cost | \$ 1,902,521 | \$ 2,163,700 | \$ 2,402,600 | t) |
| | | Program Cost/Analysis | \$ 70.48 | \$ 261.85 | \$ 61.64 | |
| 7252 | Management and Organization Studies | Program Cost | \$ — | \$ — | \$ 638,400 | u) |
| 7604 | Social Security and Medicare Contributions | Program Cost | \$ 374,355 | \$ 433,400 | \$ 436,800 | |
| | | Totals | \$ 29,781,007 | \$ 33,890,700 | \$ 35,659,900 | |
| <p>r) Increase is due to new research on sediment resuspension and the evaluation of quantitative polymerase chain reaction for treating wastewater.</p> <p>s) Increase is due to new research analyses and project progression to the operations and applied research phase.</p> <p>t) Increase is due to the purchase of a molecular instrument for analyses (\$102,800), a greenhouse gas study (\$75,000), and an Algal Assemblage Study and supplies (\$46,200).</p> <p>u) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$310,100) and the addition of two FTE positions (\$275,000) to establish a new section that will focus on Strategic Planning and Innovation.</p> | | | | | | |

| 101 16000 | Fund: Corporate Department: Monitoring & Research | LINE ITEM ANALYSIS | | | | | | |
|----------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 26,355,349 | \$ 29,384,900 | \$ 29,424,500 | \$ 27,025,800 | \$ 29,339,700 | \$ 29,329,600 | \$ 30,348,000 |
| 601060 | Compensation Plan Adjustments | 521,840 | 912,400 | 872,800 | 799,000 | 1,037,200 | 1,037,200 | 1,062,700 |
| 601070 | Social Security and Medicare Contributions | 374,355 | 433,400 | 433,400 | 384,500 | 436,800 | 436,800 | 436,800 |
| 601100 | Tuition and Training Payments | 40,361 | 70,500 | 70,500 | 51,800 | 77,400 | 77,400 | 77,400 |
| 100 | TOTAL PERSONAL SERVICES | 27,291,905 | 30,801,200 | 30,801,200 | 28,261,100 | 30,891,100 | 30,881,000 | 31,924,900 |
| 612010 | Travel | 452 | 22,900 | 22,900 | 17,000 | 42,800 | 42,800 | 42,800 |
| 612030 | Meals and Lodging | 863 | 44,500 | 44,500 | 27,800 | 68,800 | 68,800 | 68,800 |
| 612040 | Postage, Freight, and Delivery Charges | 4,245 | 7,100 | 7,100 | 6,400 | 10,000 | 10,000 | 10,000 |
| 612050 | Compensation for Personally-Owned Automobiles | 16,716 | 27,300 | 27,300 | 20,000 | 31,300 | 31,300 | 31,300 |
| 612080 | Motor Vehicle Operating Services | 51 | 300 | 800 | 400 | 800 | 800 | 800 |
| 612330 | Rental Charges | — | 300 | 300 | 100 | 1,300 | 1,300 | 1,300 |
| 612400 | Intergovernmental Agreements | 99,094 | 49,600 | 49,600 | 49,600 | — | — | — |
| 612410 | Governmental Service Charges | 17,000 | 17,000 | 17,000 | 17,000 | 17,000 | 17,000 | 17,000 |
| 612430 | Payments for Professional Services | 505,548 | 752,700 | 752,700 | 624,700 | 736,700 | 736,700 | 736,700 |
| 612440 | Preliminary Engineering Reports and Studies | 13,239 | 20,000 | 20,000 | 19,900 | — | — | — |
| 612490 | Contractual Services, N.O.C. | 180,363 | 238,700 | 237,200 | 166,800 | 455,700 | 455,700 | 455,700 |
| 612790 | Repairs to Marine Equipment | 23,545 | 36,300 | 36,300 | 34,700 | 36,600 | 36,600 | 36,600 |
| 612820 | Computer Software Maintenance | 28,147 | 28,600 | 29,600 | 29,500 | 29,100 | 29,100 | 29,100 |
| 612970 | Repairs to Testing and Laboratory Equipment | 298,619 | 348,400 | 348,400 | 296,700 | 411,300 | 411,300 | 401,300 |
| 200 | TOTAL CONTRACTUAL SERVICES | 1,187,880 | 1,593,700 | 1,593,700 | 1,310,600 | 1,841,400 | 1,841,400 | 1,831,400 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 19,337 | 26,400 | 26,400 | 24,500 | 33,700 | 33,700 | 33,700 |
| 623530 | Farming Supplies | 10,523 | 14,000 | 14,000 | 13,000 | 18,000 | 18,000 | 18,000 |
| 623570 | Laboratory Testing Supplies, Small Equipment, and Chemicals | 337,466 | 502,200 | 502,200 | 475,900 | 605,400 | 605,400 | 663,800 |
| 623700 | Wearing Apparel | 9,498 | 15,300 | 17,400 | 12,000 | 20,000 | 20,000 | 20,000 |
| 623720 | Books, Maps, and Charts | 140 | 400 | 400 | 400 | 1,000 | 1,000 | 1,000 |
| 623810 | Computer Supplies | — | — | — | — | 120,300 | 120,300 | 120,300 |
| 623820 | Fuel | 14,340 | 17,000 | 18,100 | 18,000 | 26,000 | 26,000 | 26,000 |
| 623850 | Communications Supplies | — | 1,500 | 1,500 | 1,200 | — | — | — |
| 623990 | Materials and Supplies, N.O.C. | 44,995 | 62,800 | 59,600 | 41,400 | 64,900 | 64,900 | 64,900 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 436,299 | 639,600 | 639,600 | 586,400 | 889,300 | 889,300 | 947,700 |

| 101 16000 | Fund: Corporate Department: Monitoring & Research | LINE ITEM ANALYSIS | | | | | | |
|--|--|----------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 634790 | Marine Equipment | — | — | — | — | 150,000 | 150,000 | 150,000 |
| 634820 | Computer Software | 361,567 | 399,500 | 449,500 | 270,900 | 80,000 | 80,000 | 184,000 |
| 634970 | Testing and Laboratory Equipment | 503,356 | 456,700 | 406,700 | 406,700 | 660,200 | 670,300 | 621,900 |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 864,923 | 856,200 | 856,200 | 677,600 | 890,200 | 900,300 | 955,900 |
| TOTAL MONITORING & RESEARCH | | \$ 29,781,008 | \$ 33,890,700 | \$ 33,890,700 | \$ 30,835,700 | \$ 34,512,000 | \$ 34,512,000 | \$ 35,659,900 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

| Fund: Corporate Dept: Monitoring & Research | | POSITION ANALYSIS | | | | |
|--|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 110 | Executive Division | | | | | |
| 111 | Executive Section | | | | | |
| EX11 | Director of Monitoring & Research | 1 | 1 | | 1 | |
| EX06 | Secretary to Officer | 1 | 1 | | 1 | |
| HP12 | Secretary #2 (Administrative Specialist) (New Grade HP11) | 1 | 1 | | 1 | |
| TOTAL 111 | Executive Section | 3 | 3 | 497,371 | 3 | 486,089 |
| 112 | Budget & Administrative Section | | | | | |
| HP18 | Supervising Budget & Management Analyst | 1 | 1 | | 1 | |
| HP16 | Senior Budget & Management Analyst | 1 | 1 | | 1 | |
| HP14 | Budget & Management Analyst | 2 | 2 | | 2 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 112 | Budget & Administrative Section | 5 | 5 | 539,225 | 5 | 549,026 |
| TOTAL 110 | Executive Division | 8 | 8 | 1,036,597 | 8 | 1,035,115 |
| 120 | Environmental Monitoring & Research Division | | | | | |
| 121 | Environmental Monitoring & Research Administrative Section | | | | | |
| HP22 | Assistant Director of Monitoring & Research | 1 | 1 | | 1 | |
| HP20 | Environmental Monitoring & Research Manager | 1 | 1 | | 1 | |
| HP18 | Biostatistician | 1 | 1 | | — | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP13 | Senior Administrative Specialist | 2 | 2 | | 2 | |
| HP11 | Administrative Specialist | 3 | 3 | | 3 | |
| TOTAL 121 | Environmental Monitoring & Research Administrative Section | 9 | 9 | 1,221,090 | 8 | 1,075,752 |
| 122 | Wastewater Treatment Operations Support Section | | | | | |
| HP17 | Senior Environmental Research Scientist | 1 | 1 | | 1 | |
| HP15 | Environmental Research Scientist | 1 | 2 | | 2 | |
| HP11 | Environmental Research Technician | — | 1 | | 1 | |
| TOTAL 122 | Wastewater Treatment Operations Support Section | 2 | 4 | 448,148 | 4 | 466,074 |

| Fund: Corporate Dept: Monitoring & Research | | POSITION ANALYSIS | | | | |
|--|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 123 | Biosolids Section | | | | | |
| HP18 | Principal Environmental Scientist | 1 | 1 | | 1 | |
| HP17 | Senior Environmental Soil Scientist | 2 | 2 | | 2 | |
| HP15 | Environmental Soil Scientist | 2 | 2 | | 2 | |
| HP15 | Environmental Chemist #2 (Senior Environmental Research Technician) (New Grade HP 13) | 1 | — | | — | |
| HP13 | Senior Environmental Research Technician | — | 1 | | 1 | |
| HP11 | Environmental Research Technician | 6 | 5 | | 5 | |
| HP09 | Laboratory Assistant | 1 | 1 | | 1 | |
| NR3642 | Pollution Control Technician II | 2 | 2 | | 2 | |
| TOTAL 123 | Biosolids Section | 15 | 14 | 1,261,896 | 14 | 1,328,876 |
| 124 | Microbiology Section | | | | | |
| HP18 | Principal Environmental Scientist | 1 | 1 | | 1 | |
| HP17 | Senior Environmental Microbiologist | 1 | 1 | | 1 | |
| HP16 | Associate Environmental Microbiologist #2 (Environmental Microbiologist) (New Grade HP15) | 1 | 1 | | 1 | |
| HP15 | Environmental Microbiologist | 1 | 1 | | 1 | |
| HP13 | Senior Laboratory Technician | 1 | 1 | | 1 | |
| HP11 | Laboratory Technician II | 6 | 7 | | 7 | |
| HP09 | Laboratory Assistant | 2 | 2 | | 2 | |
| TOTAL 124 | Microbiology Section | 13 | 14 | 1,213,693 | 14 | 1,243,304 |
| 126 | Aquatic Ecology Section | | | | | |
| HP18 | Principal Environmental Scientist | 1 | 1 | | 1 | |
| HP17 | Senior Aquatic Biologist | — | 1 | | 1 | |
| HP16 | Associate Aquatic Biologist #2 (Aquatic Biologist) (New Grade HP15) | 2 | 2 | | 1 | |
| HP15 | Aquatic Biologist | 1 | 1 | | 2 | |
| HP13 | Senior Environmental Research Technician | 1 | 1 | | 1 | |
| HP11 | Environmental Research Technician | 4 | 4 | | 4 | |
| NR6441 | Patrol Boat Captain | — | 2 | | 2 | |
| NR6441 | Patrol Boat Operator | 2 | — | | — | |

| Fund: Corporate Dept: Monitoring & Research | | POSITION ANALYSIS | | | | |
|--|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| NR3641 | Pollution Control Technician I | 4 | 3 | | 3 | |
| TOTAL 126 | Aquatic Ecology Section | 15 | 15 | 1,400,193 | 15 | 1,432,432 |
| 129 | Wastewater Capital Planning & Research Section (formerly Wastewater Capital Planning, Research, and Technology Evaluation Section) | | | | | |
| HP20 | Managing Civil Engineer | 1 | — | | — | |
| HP20 | Managing Engineer | — | 1 | | 1 | |
| HP18 | Principal Civil Engineer | 1 | — | | — | |
| HP18 | Principal Engineer | — | 1 | | 1 | |
| HP18 | Principal Environmental Scientist | 2 | 2 | | 2 | |
| HP17 | Senior Civil Engineer | 2 | 2 | | 2 | |
| HP17 | Senior Environmental Research Scientist | 4 | 4 | | 3 | |
| HP17 | Senior Mechanical Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Mechanical Engineer | 1 | 1 | | 1 | |
| HP15 | Environmental Research Scientist | 3 | 3 | | 3 | |
| HP13 | Senior Environmental Research Technician | 2 | 2 | | 2 | |
| HP11 | Environmental Research Technician | 6 | 6 | | 6 | |
| TOTAL 129 | Wastewater Capital Planning & Research Section (formerly Wastewater Capital Planning, Research, and Technology Evaluation Section) | 24 | 24 | 2,761,773 | 23 | 2,721,873 |
| TOTAL 120 | Environmental Monitoring & Research Division | 78 | 80 | 8,306,793 | 78 | 8,268,311 |
| 130 | Strategic Planning & Innovation Division | | | | | |
| 131 | Strategic Planning & Innovation Section | | | | | |
| HP20 | Manager of Strategy and Innovation | — | — | | 1 | |
| HP16 | Senior Budget & Management Analyst | — | — | | 1 | |
| TOTAL 131 | Strategic Planning & Innovation Section | — | — | — | 2 | 276,338 |
| 134 | Innovation & New Technology Section | | | | | |
| HP18 | Principal Environmental Scientist | — | — | | 1 | |
| HP17 | Senior Environmental Research Scientist | — | — | | 1 | |
| TOTAL 134 | Innovation & New Technology Section | — | — | — | 2 | 311,682 |
| TOTAL 130 | Strategic Planning & Innovation Division | — | — | — | 4 | 588,020 |

| Fund: Corporate Dept: Monitoring & Research | | POSITION ANALYSIS | | | | |
|--|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 160 | Analytical Laboratories Division | | | | | |
| 161 | Analytical Laboratories Administrative Section | | | | | |
| HP22 | Assistant Director of Monitoring & Research | 1 | 1 | | 1 | |
| HP18 | Supervising Environmental Chemist | 1 | 1 | | 1 | |
| HP17 | Senior Environmental Chemist | 1 | 1 | | 1 | |
| HP15 | Environmental Chemist | 3 | 3 | | 3 | |
| HP13 | Senior Administrative Specialist | 2 | 2 | | 2 | |
| HP09 | Administrative Clerk | — | — | | 1 | |
| TOTAL 161 | Analytical Laboratories Administrative Section | 8 | 8 | 960,236 | 9 | 1,084,244 |
| 162 | Stickney Analytical Laboratory Section | | | | | |
| HP18 | Supervising Environmental Chemist | 1 | 1 | | 1 | |
| HP17 | Senior Environmental Chemist | 2 | 2 | | 2 | |
| HP15 | Environmental Chemist | 4 | 4 | | 4 | |
| HP13 | Senior Laboratory Technician | 3 | 3 | | 3 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| HP11 | Laboratory Technician II | 10 | 11 | | 11 | |
| HP10 | Laboratory Technician I #1 | 1 | 1 | | — | |
| HP09 | Laboratory Assistant | 2 | 2 | | 2 | |
| TOTAL 162 | Stickney Analytical Laboratory Section | 24 | 25 | 2,240,692 | 24 | 2,239,693 |
| 164 | Industrial Waste Analytical Laboratory Section | | | | | |
| HP18 | Supervising Environmental Chemist | 1 | 1 | | 1 | |
| HP17 | Senior Environmental Chemist | 2 | 2 | | 2 | |
| HP15 | Environmental Chemist | 4 | 4 | | 4 | |
| HP13 | Senior Laboratory Technician | 3 | 3 | | 3 | |
| HP11 | Laboratory Technician II | 10 | 10 | | 10 | |
| HP09 | Laboratory Assistant | 2 | 2 | | 2 | |
| TOTAL 164 | Industrial Waste Analytical Laboratory Section | 22 | 22 | 1,970,184 | 22 | 2,074,088 |

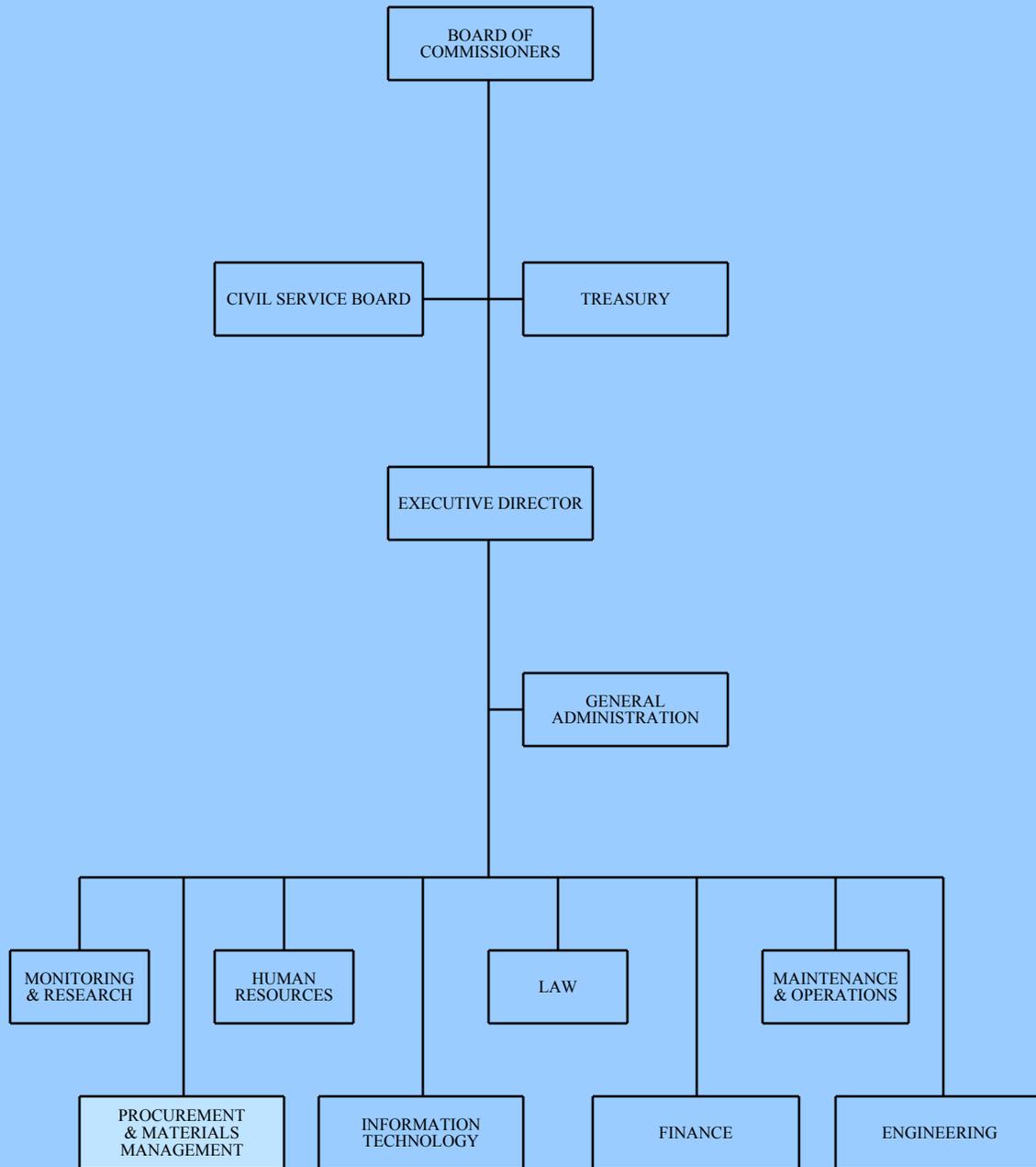
| Fund: Corporate Dept: Monitoring & Research | | POSITION ANALYSIS | | | | |
|--|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 165 | Organic Compounds Analytical Laboratory Section | | | | | |
| HP18 | Supervising Environmental Chemist | — | — | | 1 | |
| HP18 | Supervising Instrumentation Chemist | 1 | 1 | | — | |
| HP17 | Senior Environmental Chemist | — | — | | 2 | |
| HP17 | Senior Instrumentation Chemist | 2 | 2 | | — | |
| HP16 | Instrumentation Chemist II #2 (Environmental Chemist) (New Grade HP15) | 1 | — | | — | |
| HP15 | Environmental Chemist | 2 | 3 | | 3 | |
| HP13 | Senior Laboratory Technician | 1 | 1 | | 1 | |
| HP11 | Laboratory Technician II | 3 | 3 | | 3 | |
| TOTAL 165 | Organic Compounds Analytical Laboratory Section | 10 | 10 | 1,167,518 | 10 | 1,175,612 |
| 166 | Egan Analytical Laboratory Section | | | | | |
| HP18 | Supervising Environmental Chemist | 1 | 1 | | 1 | |
| HP17 | Senior Environmental Chemist | 2 | 2 | | 2 | |
| HP15 | Environmental Chemist | 3 | 3 | | 3 | |
| HP13 | Senior Laboratory Technician | 2 | 2 | | 2 | |
| HP12 | Administrative Assistant #2 (Administrative Specialist) (New Grade HP11) | 1 | — | | — | |
| HP11 | Administrative Specialist | — | 1 | | 1 | |
| HP11 | Laboratory Technician II | 8 | 8 | | 8 | |
| HP09 | Laboratory Assistant | 2 | 2 | | 2 | |
| TOTAL 166 | Egan Analytical Laboratory Section | 19 | 19 | 1,648,143 | 19 | 1,674,536 |
| 167 | Calumet Analytical Laboratory Section | | | | | |
| HP18 | Supervising Environmental Chemist | 1 | 1 | | 1 | |
| HP17 | Senior Environmental Chemist | 2 | 2 | | 2 | |
| HP15 | Environmental Chemist | 3 | 3 | | 3 | |
| HP13 | Senior Laboratory Technician | 2 | 2 | | 2 | |
| HP12 | Administrative Assistant #2 (Administrative Specialist) (New Grade HP11) | 1 | 1 | | — | |
| HP11 | Administrative Specialist | — | — | | 1 | |
| HP11 | Laboratory Technician II | 7 | 8 | | 8 | |

| Fund: Corporate Dept: Monitoring & Research | | POSITION ANALYSIS | | | | |
|--|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP09 | Laboratory Assistant | 2 | 2 | | 2 | |
| TOTAL 167 | Calumet Analytical Laboratory Section | 18 | 19 | 1,786,802 | 19 | 1,839,282 |
| TOTAL 160 | Analytical Laboratories Division | 101 | 103 | 9,773,575 | 103 | 10,087,455 |
| 190 | Industrial Waste Division | | | | | |
| 191 | Industrial Waste Administrative Section | | | | | |
| HP22 | Assistant Director of Monitoring & Research | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 191 | Industrial Waste Administrative Section | 2 | 2 | 280,788 | 2 | 302,835 |
| 192 | Technical Services Section | | | | | |
| HP18 | Supervising Environmental Specialist | 1 | 1 | | 1 | |
| HP17 | Senior Environmental Specialist | 1 | 2 | | 2 | |
| HP15 | Environmental Specialist | 3 | 3 | | 3 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| NR3642 | Pollution Control Technician II | 1 | 1 | | 1 | |
| TOTAL 192 | Technical Services Section | 7 | 8 | 910,728 | 8 | 970,611 |
| 193 | Pretreatment & Cost Recovery Section | | | | | |
| HP18 | Supervising Environmental Specialist | 2 | 2 | | 2 | |
| HP17 | Senior Civil Engineer | 1 | 1 | | 1 | |
| HP17 | Senior Environmental Specialist | 3 | 3 | | 3 | |
| HP15 | Associate Civil Engineer | 8 | 8 | | 8 | |
| HP15 | Environmental Specialist | 16 | 16 | | 16 | |
| HP11 | Administrative Specialist | 2 | 2 | | 2 | |
| HP09 | Administrative Clerk | 2 | 2 | | 2 | |
| TOTAL 193 | Pretreatment & Cost Recovery Section | 34 | 34 | 3,841,083 | 34 | 3,968,528 |
| 194 | Field Services Section | | | | | |
| HP18 | Supervising Environmental Specialist | 2 | 2 | | 2 | |
| HP17 | Senior Environmental Specialist | 4 | 4 | | 4 | |
| HP15 | Environmental Specialist | 26 | 25 | | 24 | |
| HP13 | Senior Administrative Specialist | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |

| Fund: Corporate Dept: Monitoring & Research | | POSITION ANALYSIS | | | | |
|--|---------------------------------|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| NR3642 | Pollution Control Technician II | 1 | 1 | | — | |
| NR3641 | Pollution Control Technician I | 20 | 20 | | 20 | |
| TOTAL 194 | Field Services Section | 55 | 54 | 5,383,132 | 52 | 5,279,366 |
| TOTAL 190 | Industrial Waste Division | 98 | 98 | 10,415,732 | 96 | 10,521,340 |
| TOTAL | Monitoring & Research | 285 | 289 | 29,532,696 | 289 | 30,500,241 |

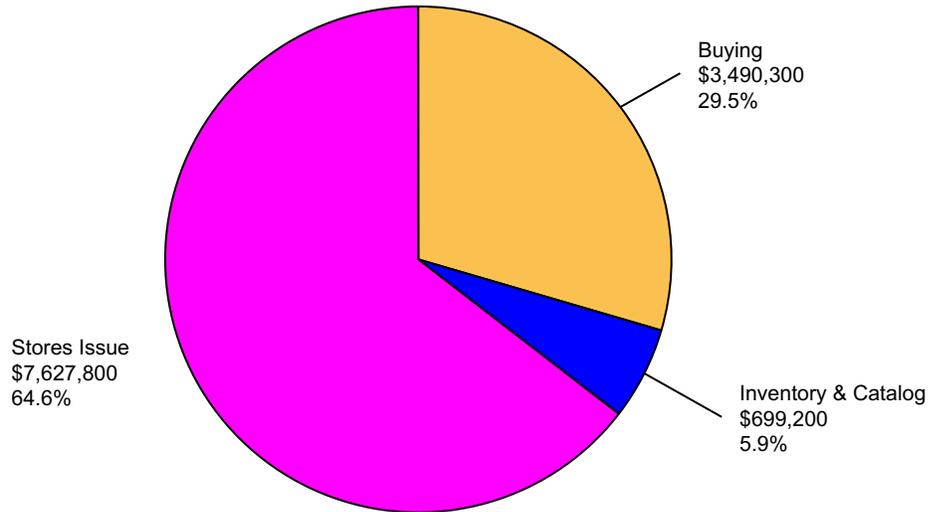
NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

NOTE PAGE

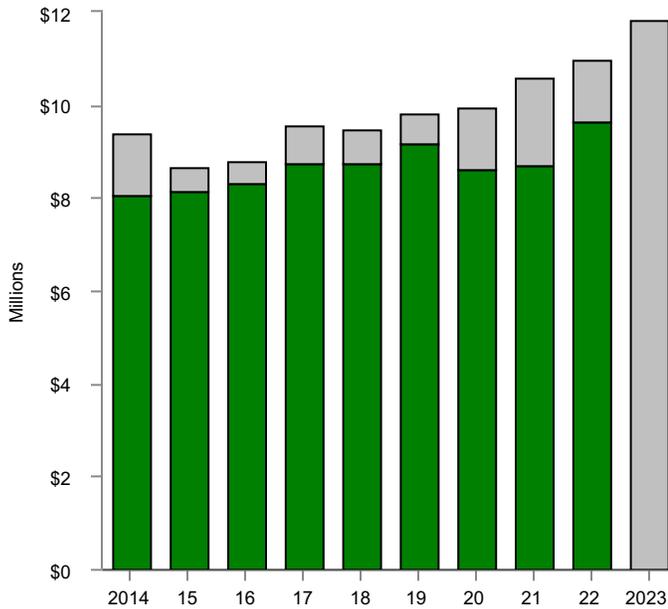


PROCUREMENT & MATERIALS MANAGEMENT FUNCTIONS

| | |
|----------|--------------|
| 2023 | \$11,817,300 |
| 2022 | \$10,976,400 |
| Increase | \$840,900 |



APPROPRIATIONS & EXPENDITURES

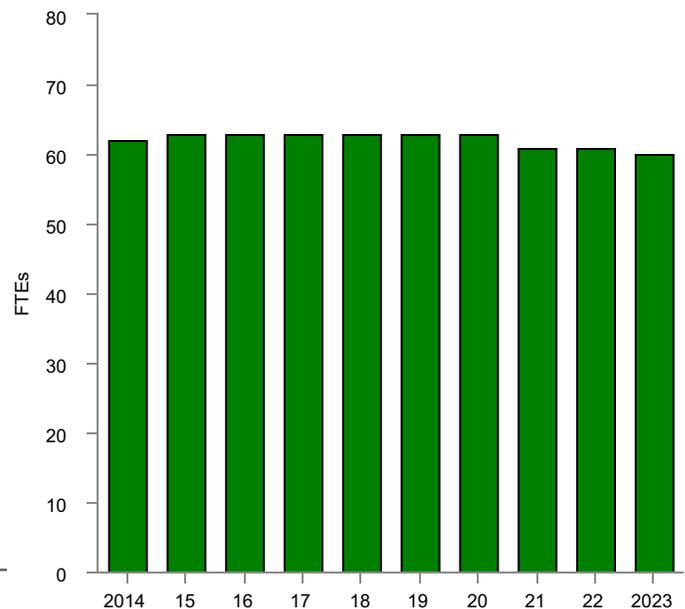


2022 Expenditures are estimated

■ EXPENDITURES ■ APPROPRIATIONS

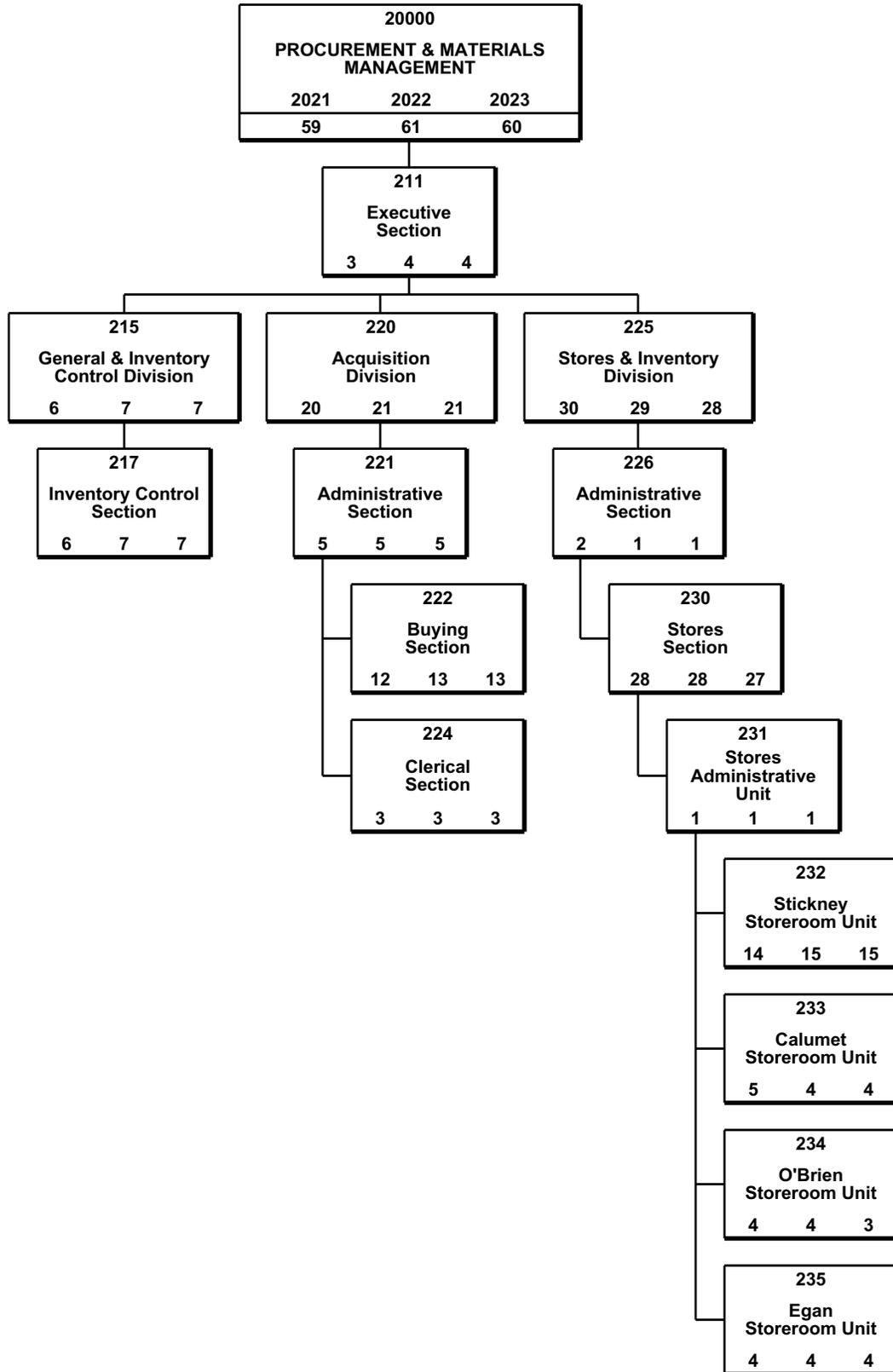
2015 - Decrease is due to a planned reduction in inventory.

BUDGETED FTE POSITIONS



2021 - Decrease is due to an organizational redesign.

PROCUREMENT & MATERIALS MANAGEMENT



PROCUREMENT & MATERIALS MANAGEMENT

The mission of the Procurement & Materials Management Department (P&MM) is to procure goods and services required for District operations in compliance with the Purchasing Act.

Departmental Summary

P&MM is charged with the responsibility of procuring all of the materials and services that are used by the District. The Purchasing Act for the District delineates both the authority and operating regulations. This Act outlines the duties and responsibilities of the Director of P&MM in the various areas of purchasing supplies and services, requesting and receiving bids, determining control and operation of the storerooms, disposing of obsolete, surplus, or unusable materials, and verifying quality and testing of materials.

Summary of 2022 Major Accomplishments

- Advertised and received bids for an interactive vendor portal;
- In the process of developing a work plan to address issues raised during customer surveys to improve the experience for vendors who do business with the District and provide a more effective and efficient process.

2023 Appropriation and Position Summary

The 2023 appropriation for P&MM is \$11,817,300, an increase of \$840,900, or 7.7 percent, from 2022. The staffing level has decreased from 61 to 60 positions.

2023 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Resource Management. The initiatives highlighted below demonstrate the District's commitment to managing resources in the most efficient and economical manner.

Manage MWRD assets to maintain optimal performance and long term sustainability.

- Initiate program to link all engineering spare parts to assets, allowing using departments to readily identify available spare parts and obsolete parts and equipment;
- Continue to find innovative ways to best manage District resources, such as the sale of Renewable Energy Credits on the wholesale market, and the public auction of surplus goods and materials.

The following budget highlights support the District's Strategic Plan Goal of Community Engagement. The initiatives highlighted below will ensure that the District will be an inclusive business partner.

Continue to improve the experience of vendors that do business with the MWRD

- Fully implement interactive vendor portal to ensure that vendors encounter a manageable and streamlined process, with easy access to information and the ability to update their profile and provide the District with current and accurate vendor information;
- Continue to increase transparency in the bidding process by providing easily accessible and timely information to vendors and the general public.

The following budget highlights support the District's Strategic Plan Goal of Enterprise Resilience. The initiatives highlighted below will ensure that ongoing services are reliable, equitable, and cost-effective.

Standardize operations - streamline and automate internal processes, scale lessons learned from pandemic response

- Collaborate with the Maintenance & Operations Department to ensure that 100 percent of materials and supplies required for preventive maintenance work orders are available in the storerooms;
- Improve service levels to meet the needs and expectations of the internal customer, to enhance planning schedules, and to adhere to project timeframes.

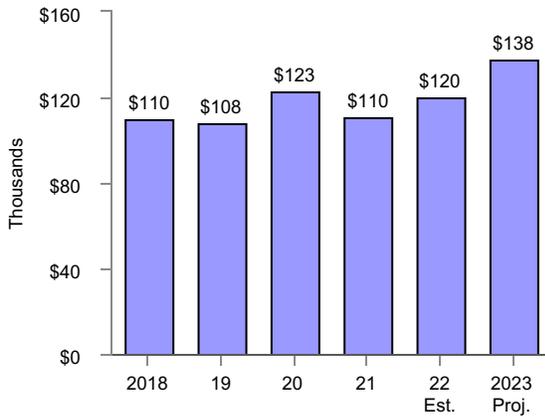
Cost to Prepare a Purchase Order

This data measures on average how much the District spends to issue a Purchase Order. It includes processing requisitions into inquiries for competitive purchases, preparing, evaluating, and receiving quotations, and preparing, issuing, and maintaining purchase orders.

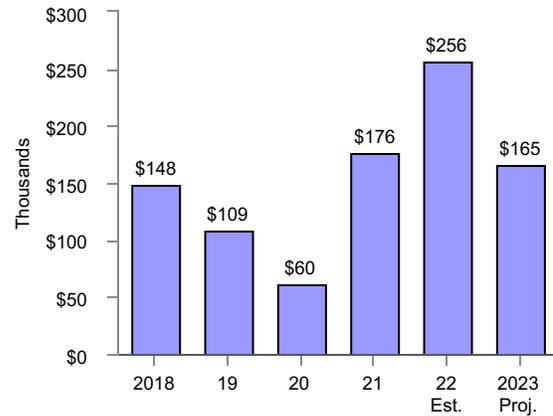
Sales of Surplus Goods

This data measures annual revenue generated by the sale of scrap and obsolete materials; items that would otherwise be wasted or cost money for the District to dispose of. It includes vehicles that are beyond their useful life, and equipment, parts, and materials that have become obsolete, or otherwise cannot be used by the District.

Cost to Prepare a Purchase Order



Sales of Surplus Goods



Year-over-year fluctuations are the result of organizational redesign.

2019 - Decrease is due to fewer materials being identified as surplus.
2020 - Decrease is due to the suspension of surplus and scrap sales during the COVID-19 global pandemic.
2021 - Increase is due to the resumption of regular surplus and scrap sales and large volume of vehicle sales.
2022 - Estimated increase is due to the sale of obsolete conveyors and rotating assemblies, and high prices realized for used vehicles.
2023 - Projected decrease is due to fewer large scrap items being available for sale.

20000 PROCUREMENT & MATERIALS MANAGEMENT

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | | Cost | Percent |
|-------------------------|--|---------------|---------|
| 1. | Provide purchasing services for all outside labor, materials, services, and equipment through contracts and purchase orders with an estimated value of \$465.9 million. The estimated number of contracts and purchase orders is 120 and 6,100, respectively. Maximize participation in District purchases by administering the Minority-owned Business Enterprise, Women-owned Business Enterprise, Small Business Enterprise, and Veteran-owned Business Enterprise programs. Support for the department's budget preparation. | \$ 3,490,300 | 29.5 % |
| 2. | Service the District's user departments' material and supply requirements by operating and maintaining an effective and economical storeroom function by ordering, receiving, storing, and issuing inventory valued at \$36,100,000 and consisting of 72,300 items. | \$ 7,627,800 | 64.6 % |
| 3. | Support the material and supply requirements of the District by planning, monitoring, cataloging, and controlling \$36,100,000 of inventory consisting of 72,300 items. | \$ 699,200 | 5.9 % |
| Totals | | \$ 11,817,300 | 100.0 % |

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | |
|-----------------------|---|--------------|----------|------------------|------------|---------|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent |
| 7253 | Support Department Budget Preparation, Monitoring, and Administration | \$ 134,837 | 2023 | 1 \$ 147,400 | \$ 6,900 | 4.9 |
| | | | 2022 | 1 \$ 140,500 | | |
| 7260 | Buying Procedures | \$ 2,133,469 | 2023 | 24 \$ 3,342,900 | \$ 146,100 | 4.6 |
| | | | 2022 | 24 \$ 3,196,800 | | |
| 7270 | Inventory and Cataloging | \$ 559,692 | 2023 | 7 \$ 699,200 | \$ 26,800 | 4.0 |
| | | | 2022 | 7 \$ 672,400 | | |
| 7280 | Stores Operation and Issue | \$ 5,782,473 | 2023 | 28 \$ 7,535,600 | \$ 660,400 | 9.6 |
| | | | 2022 | 29 \$ 6,875,200 | | |
| 7604 | Social Security and Medicare Contributions | \$ 73,979 | 2023 | — \$ 92,200 | \$ 700 | 0.8 |
| | | | 2022 | — \$ 91,500 | | |
| Totals | | \$ 8,684,450 | 2023 | 60 \$ 11,817,300 | \$ 840,900 | 7.7 % |
| | | | 2022 | 61 \$ 10,976,400 | | |

a) Increase is due to an increased cost of plumbing supplies (\$313,200), electrical parts and supplies (\$263,300), metals (\$123,400), and laboratory supplies (\$97,500), offset by a reduced demand for wearing apparel (\$120,000).

20000 PROCUREMENT & MATERIALS MANAGEMENT

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|--|----------------------|---------------|---------------|----------------|----|
| 7253 | Support Department Budget Preparation, Monitoring, and Administration | Cost | \$ 134,837 | \$ 140,500 | \$ 147,400 | |
| 7260 | Buying Procedures Purchase of all Labor, Materials, Services, and Equipment for the District | | | | | |
| 7261 | Prepare, Issue, and Maintain Purchase Orders to Appropriate Suppliers | Purchase Orders | 5,305 | 5,700 | 6,100 | |
| | | Cost | \$ 384,037 | \$ 501,500 | \$ 534,500 | |
| | | Cost/Purchase Order | \$ 72.39 | \$ 87.98 | \$ 87.62 | |
| 7262 | Process Requisition Requirements into Inquiries for Competitive Purchases | Requisitions | 7,433 | 8,600 | 8,700 | |
| | | Cost | \$ 201,577 | \$ 300,400 | \$ 322,400 | |
| | | Cost/Requisition | \$ 27.12 | \$ 34.93 | \$ 37.06 | |
| 7263 | Purchase all Labor, Materials, Services, and Equipment through Formal Contracts | Contracts Advertised | 145 | 120 | 120 | |
| | | Cost | \$ 880,632 | \$ 1,102,900 | \$ 1,147,200 | |
| | | Cost/Contract | \$ 6,073.32 | \$ 9,190.83 | \$ 9,560.00 | |
| 7264 | Prepare, Receive, and Evaluate Quotations from Various Suppliers | Inquiries | 20,446 | 27,000 | 27,000 | |
| | | Cost | \$ 222,778 | \$ 331,900 | \$ 356,500 | |
| | | Cost/Inquiry | \$ 10.90 | \$ 12.29 | \$ 13.20 | |
| 7265 | Advertise, Evaluate Bids, and Award the Sale of Obsolete Inventory, Scrap, Surplus Materials, and Document Fees | Revenue | \$ 175,844 | \$ 115,000 | \$ 165,000 | a) |
| | | Cost | \$ 93,722 | \$ 107,700 | \$ 113,100 | |
| | | Cost/\$1,000 Revenue | \$ 532.98 | \$ 936.52 | \$ 685.45 | |
| 7269 | Buying Procedures - All Other (General) | Cost | \$ 350,723 | \$ 852,400 | \$ 869,200 | |
| 7270 | Inventory and Cataloging Plan and Control Inventory to Support Material and Supply Requirements of the District | | | | | |
| 7271 | Identify, Classify, Code, and Maintain Catalog Descriptions for Equipment, Materials, and Supplies in District Storerooms | Inventory | \$ 34,182,415 | \$ 35,500,000 | \$ 36,100,000 | b) |
| | | Cost | \$ 151,882 | \$ 177,200 | \$ 184,300 | |
| | | Cost/Million | \$ 4,443.28 | \$ 4,991.55 | \$ 5,105.26 | |
| 7272 | Cycle Counting and Transaction File Maintenance to Ensure Optimum Levels of Inventory and Accountability of District Stock | Inventory | \$ 34,182,415 | \$ 35,500,000 | \$ 36,100,000 | b) |
| | | Cost | \$ 225,536 | \$ 307,300 | \$ 319,600 | |
| | | Cost/Million | \$ 6,598.01 | \$ 8,656.34 | \$ 8,853.19 | |
| 7273 | Requirement Planning, Controlling, Monitoring, and Analyzing Commodity Index Coded Items in an Optimum and Economic Manner | Cost | \$ 154,138 | \$ 158,900 | \$ 165,200 | |
| 7279 | Inventory and Cataloging - All Other (General) | Cost | \$ 28,136 | \$ 29,000 | \$ 30,100 | |

a) Increase is due to the resumption of regular iBid/scrap sales following the COVID-19 global pandemic.

b) Increase is due to annual fluctuations in inventory levels.

20000 PROCUREMENT & MATERIALS MANAGEMENT

PERFORMANCE DATA

| Program Number | Measurable Activity | PERFORMANCE DATA | | |
|--|--|---|---|---|
| | | 2021 Actual | 2022 Budgeted | 2023 Estimated |
| 7280 | Stores Operation and Issue | | | |
| | Operate and Maintain an Effective and Economical Storeroom Function | | | |
| 7282 | Initiate and Prepare Requisitions, Material Requirement Planning Runs, Systems Contracts, Total Stock Transports, Two-Steps, and Miscellaneous Purchases in Accordance with Established Policies and Rules | Requisitions 9,405 Cost \$ 493,071 Cost/Requisition \$ 52.43 | 9,300 \$ 496,300 \$ 53.37 | 9,500 \$ 513,400 \$ 54.04 |
| 7283 | Receive, Inspect, and Move Purchased Materials, Both Stock and Non-Stock Items, to Ensure Compliance with Quantity, Quality, and Specifications of Purchase Orders | Receipts 21,400 Cost \$ 676,138 Cost/Receipt \$ 31.60 | 27,000 \$ 622,800 \$ 23.07 | 24,000 \$ 632,100 \$ 26.34 |
| 7284 | Provide the Proper Storage Facilities, People, and Equipment to Effectively Store Materials and Supplies to Protect Against Damage, Malfunction or Loss, and to Move Materials in a Safe and Economical Manner | Inventory \$ 34,182,415 Cost \$ 737,119 Cost/Million \$ 21,564.28 | \$ 35,500,000 \$ 761,400 \$ 21,447.89 | \$ 36,100,000 \$ 715,000 \$ 19,806.09 |
| 7285 | Provide Controlled Disbursement of Stored Materials and Supplies to Requesting Departments | Issue Slips 21,009 Cost \$ 655,510 Cost/Issue Slip \$ 31.20 | 22,300 \$ 794,300 \$ 35.62 | 22,850 \$ 716,300 \$ 31.35 |
| 7286 | Stores Operation and Issue - All Other (General) | Cost \$ 233,056 | \$ 295,400 | \$ 346,900 |
| 7289 | Inventory Purchases | Cost \$ 2,987,579 | \$ 3,905,000 | \$ 4,611,900 |
| 7604 | Social Security and Medicare Contributions | Cost \$ 73,979 | \$ 91,500 | \$ 92,200 |
| Totals | | \$ 8,684,450 | \$ 10,976,400 | \$ 11,817,300 |
| <p>b) Increase is due to annual fluctuations in inventory levels.</p> <p>c) Increase is due to the procurement of a cantilever racking (\$60,300).</p> <p>d) Increase is due to an increased cost of plumbing supplies (\$313,200), electrical parts and supplies (\$263,300), metals (\$123,400), and laboratory supplies (\$97,500), offset by a reduced demand for wearing apparel (\$120,000).</p> | | | | |

| 101 20000 | Fund: Corporate Department: Procurement & Materials Management | LINE ITEM ANALYSIS | | | | | | |
|----------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 5,222,047 | \$ 5,947,900 | \$ 5,488,500 | \$ 5,245,700 | \$ 6,123,800 | \$ 6,074,200 | \$ 6,223,300 |
| 601060 | Compensation Plan Adjustments | 53,963 | 232,500 | 191,900 | 148,300 | 89,700 | 89,700 | 93,800 |
| 601070 | Social Security and Medicare Contributions | 73,979 | 91,500 | 91,500 | 73,800 | 92,200 | 92,200 | 92,200 |
| 601100 | Tuition and Training Payments | 1,190 | 15,200 | 15,200 | 4,800 | 12,000 | 12,000 | 12,000 |
| 100 | TOTAL PERSONAL SERVICES | 5,351,179 | 6,287,100 | 5,787,100 | 5,472,600 | 6,317,700 | 6,268,100 | 6,421,300 |
| 612010 | Travel | — | 1,200 | 1,200 | — | 1,200 | 1,200 | 1,200 |
| 612030 | Meals and Lodging | — | 1,100 | 100 | — | 1,200 | 1,200 | 1,200 |
| 612050 | Compensation for Personally-Owned Automobiles | — | 1,200 | 1,200 | 100 | 900 | 900 | 900 |
| 612360 | Advertising | 91,501 | 138,000 | 138,000 | 97,000 | 135,500 | 135,500 | 135,500 |
| 612430 | Payments for Professional Services | 3,640 | 60,000 | 61,000 | 1,000 | 1,000 | 1,000 | 61,000 |
| 612490 | Contractual Services, N.O.C. | 415 | — | — | — | — | — | — |
| 612680 | Repairs to Buildings | 25,654 | 29,000 | 20,400 | 11,800 | 30,100 | 30,100 | 30,100 |
| 612800 | Repairs to Office Furniture and Equipment | 165 | 2,200 | 2,200 | 1,400 | 2,000 | 2,000 | 2,000 |
| 612820 | Computer Software Maintenance | 57,296 | 363,200 | 363,200 | 8,500 | 97,800 | 97,800 | 397,800 |
| 612840 | Communications Equipment Maintenance (Includes Software) | — | 500 | 500 | — | 400 | 400 | 400 |
| 612860 | Repairs to Vehicle Equipment | 10,588 | 8,900 | 17,500 | 16,000 | 11,000 | 11,000 | 11,000 |
| 200 | TOTAL CONTRACTUAL SERVICES | 189,259 | 605,300 | 605,300 | 135,800 | 281,100 | 281,100 | 641,100 |
| 623030 | Metals | 122,667 | 129,600 | 264,600 | 260,000 | 253,000 | 253,000 | 253,000 |
| 623070 | Electrical Parts and Supplies | 258,163 | 329,300 | 454,300 | 388,000 | 592,600 | 592,600 | 592,600 |
| 623090 | Plumbing Accessories and Supplies | 389,581 | 380,000 | 635,000 | 602,000 | 693,200 | 693,200 | 693,200 |
| 623110 | Hardware | 68,618 | 83,900 | 83,900 | 77,800 | 81,400 | 81,400 | 81,400 |
| 623130 | Buildings, Grounds, Paving Materials, and Supplies | 168,455 | 248,100 | 243,100 | 242,000 | 248,100 | 248,100 | 248,100 |
| 623170 | Fiber, Paper, and Insulation Materials | 36,504 | 62,800 | 62,800 | 47,000 | 61,000 | 61,000 | 61,000 |
| 623190 | Paints, Solvents, and Related Materials | 26,530 | 50,500 | 40,500 | 29,300 | 48,000 | 48,000 | 48,000 |
| 623250 | Vehicle Parts and Supplies | 6,310 | 13,300 | 33,300 | 33,000 | 32,300 | 32,300 | 32,300 |
| 623270 | Mechanical Repair Parts | 168,841 | 225,300 | 215,300 | 187,500 | 208,000 | 208,000 | 208,000 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 8,025 | 14,300 | 14,300 | 4,900 | 13,000 | 13,000 | 13,000 |
| 623570 | Laboratory Testing Supplies, Small Equipment, and Chemicals | 496,763 | 713,000 | 838,000 | 715,000 | 810,500 | 810,500 | 810,500 |
| 623660 | Cleaning Supplies | 208,903 | 291,000 | 315,000 | 302,000 | 290,000 | 290,000 | 290,000 |

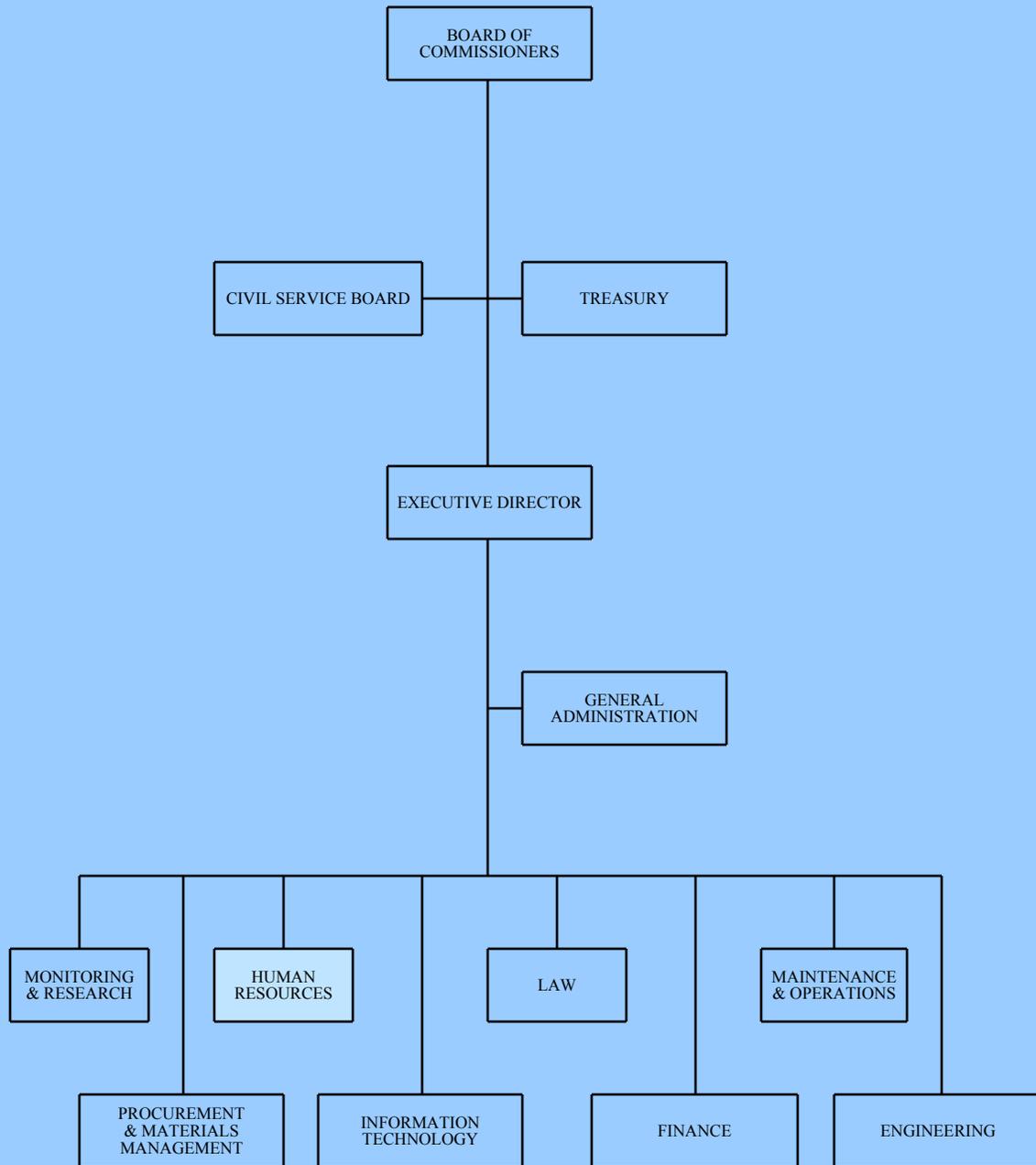
| 101 20000 | Fund: Corporate Department: Procurement & Materials Management | LINE ITEM ANALYSIS | | | | | | |
|--|--|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 623680 | Tools and Supplies | 96,144 | 122,000 | 117,000 | 95,000 | 110,000 | 110,000 | 110,000 |
| 623700 | Wearing Apparel | 268,461 | 362,000 | 241,000 | 184,000 | 242,000 | 242,000 | 242,000 |
| 623780 | Safety and Medical Supplies | 49,963 | 74,800 | 74,800 | 61,400 | 70,800 | 70,800 | 70,800 |
| 623810 | Computer Supplies | 67,161 | 82,200 | 47,200 | 32,000 | 48,200 | 48,200 | 48,200 |
| 623820 | Fuel | 249,715 | 385,200 | 335,200 | 297,000 | 389,900 | 389,900 | 389,900 |
| 623840 | Gases | 85,097 | 85,400 | 100,400 | 100,300 | 110,500 | 110,500 | 110,500 |
| 623850 | Communications Supplies | 7,196 | 9,200 | 9,200 | 5,600 | 9,200 | 9,200 | 9,200 |
| 623860 | Lubricants | 325,262 | 257,400 | 344,400 | 344,000 | 313,200 | 313,200 | 313,200 |
| 623990 | Materials and Supplies, N.O.C. | 35,654 | 74,700 | 24,700 | 17,200 | 130,000 | 130,000 | 130,000 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 3,144,012 | 3,994,000 | 4,494,000 | 4,025,000 | 4,754,900 | 4,754,900 | 4,754,900 |
| 634760 | Material Handling and Farming Equipment | — | 90,000 | 90,000 | — | — | — | — |
| 400 | TOTAL MACHINERY AND EQUIPMENT | — | 90,000 | 90,000 | — | — | — | — |
| TOTAL PROCUREMENT & MATERIALS MANAGEMENT | | \$ 8,684,450 | \$ 10,976,400 | \$ 10,976,400 | \$ 9,633,400 | \$ 11,353,700 | \$ 11,304,100 | \$ 11,817,300 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

| Fund: Corporate Dept: Procurement & Materials Management | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 211 | Executive Section | | | | | |
| EX08 | Director of Procurement & Materials Management | 1 | 1 | | 1 | |
| HP20 | Assistant Director of Procurement & Materials Management | — | 1 | | 1 | |
| EX06 | Secretary to Officer | 2 | 2 | | 2 | |
| TOTAL 211 | Executive Section | 3 | 4 | 697,963 | 4 | 725,882 |
| 215 | General & Inventory Control Division | | | | | |
| 217 | Inventory Control Section | | | | | |
| HP17 | Supervising Stores Specialist #2 (New Grade HP16) | 1 | 1 | | 1 | |
| HP16 | Materials Planning Supervisor #2 (Senior Stores Specialist) (New Grade HP14) | 1 | — | | — | |
| HP15 | Senior Stores Specialist #2 (New Grade HP14) | — | 1 | | 1 | |
| HP14 | Senior Stores Specialist | — | 1 | | 1 | |
| HP12 | Stores Specialist | 3 | 4 | | 4 | |
| HP09 | Administrative Clerk | 1 | — | | — | |
| TOTAL 217 | Inventory Control Section | 6 | 7 | 694,610 | 7 | 722,395 |
| TOTAL 215 | General & Inventory Control Division | 6 | 7 | 694,610 | 7 | 722,395 |
| 220 | Acquisition Division | | | | | |
| 221 | Administrative Section | | | | | |
| HP20 | Assistant Director of Procurement & Materials Management | 1 | — | | — | |
| HP14 | Budget & Management Analyst | 1 | 1 | | 1 | |
| HP13 | Senior Administrative Specialist | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 2 | 3 | | 3 | |
| TOTAL 221 | Administrative Section | 5 | 5 | 410,383 | 5 | 417,010 |
| 222 | Buying Section | | | | | |
| HP18 | Head Buyer | 1 | — | | — | |
| HP18 | Procurement Manager | — | 1 | | 1 | |
| HP16 | Senior Buyer | 6 | 7 | | 7 | |
| HP14 | Buyer | 5 | 5 | | 5 | |
| TOTAL 222 | Buying Section | 12 | 13 | 1,387,455 | 13 | 1,490,077 |

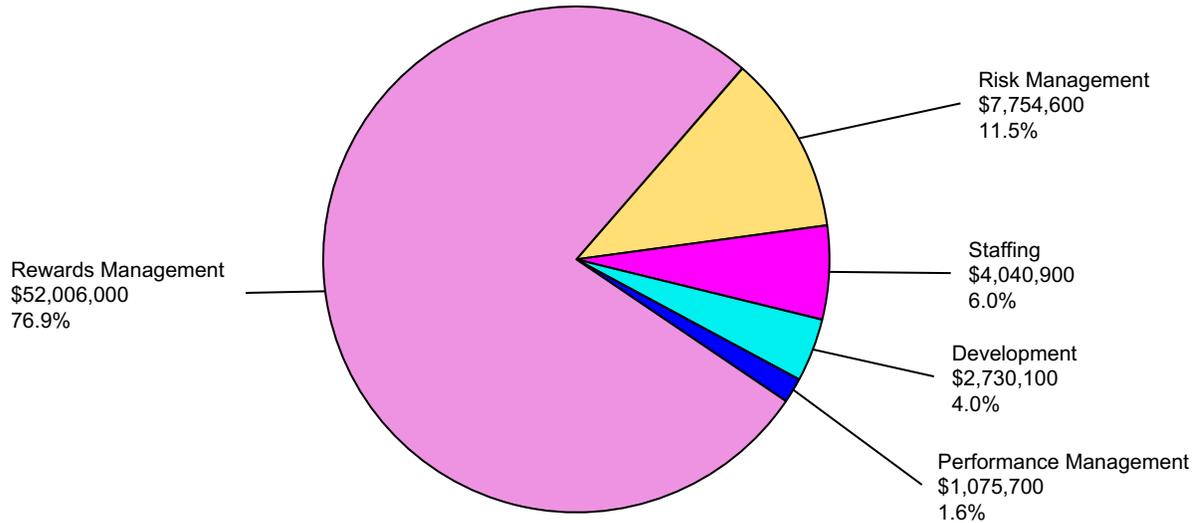
| Fund: Corporate Dept: Procurement & Materials Management | | POSITION ANALYSIS | | | | |
|---|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 224 | Clerical Section | | | | | |
| HP11 | Administrative Specialist | 2 | 2 | | 2 | |
| HP09 | Administrative Clerk | 1 | 1 | | 1 | |
| TOTAL 224 | Clerical Section | 3 | 3 | 202,519 | 3 | 210,619 |
| TOTAL 220 | Acquisition Division | 20 | 21 | 2,000,356 | 21 | 2,117,706 |
| 225 | Stores & Inventory Division | | | | | |
| 226 | Administrative Section | | | | | |
| HP19 | Stores & Inventory Manager #2 (New Grade HP18) | 1 | 1 | | 1 | |
| HP15 | Senior Stores Specialist #2 (New Grade HP14) | 1 | — | | — | |
| TOTAL 226 | Administrative Section | 2 | 1 | 183,251 | 1 | 190,581 |
| 230 | Stores Section | | | | | |
| 231 | Stores Administrative Unit | | | | | |
| HP17 | Supervising Stores Specialist #2 (New Grade HP16) | 1 | 1 | | 1 | |
| TOTAL 231 | Stores Administrative Unit | 1 | 1 | 148,200 | 1 | 154,128 |
| 232 | Stickney Storeroom Unit | | | | | |
| HP11 | Administrative Specialist | 1 | — | | — | |
| HP09 | Administrative Clerk | 1 | 3 | | 3 | |
| NR1857 | Principal Storekeeper | 2 | 2 | | 2 | |
| NR1853 | Storekeeper | 8 | 8 | | 8 | |
| NR8651 | Maintenance Laborer Class A | 1 | 1 | | 1 | |
| NR1835 | Materials Handler Laborer #1 | 1 | 1 | | 1 | |
| TOTAL 232 | Stickney Storeroom Unit | 14 | 15 | 1,227,858 | 15 | 1,304,479 |
| 233 | Calumet Storeroom Unit | | | | | |
| HP09 | Administrative Clerk | 1 | — | | — | |
| NR1857 | Principal Storekeeper | 1 | 1 | | 1 | |
| NR1853 | Storekeeper | 2 | 2 | | 2 | |
| NR8651 | Maintenance Laborer Class A | 1 | 1 | | 1 | |
| TOTAL 233 | Calumet Storeroom Unit | 5 | 4 | 354,453 | 4 | 377,874 |
| 234 | O'Brien Storeroom Unit | | | | | |
| HP09 | Administrative Clerk | 1 | 1 | | — | |

| Fund: Corporate Dept: Procurement & Materials Management | | POSITION ANALYSIS | | | | |
|--|------------------------------------|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| NR1857 | Principal Storekeeper | 1 | 1 | | 1 | |
| NR1853 | Storekeeper | 1 | 1 | | 1 | |
| NR8651 | Maintenance Laborer Class A | 1 | 1 | | 1 | |
| TOTAL 234 | O'Brien Storeroom Unit | 4 | 4 | 316,271 | 3 | 283,837 |
| 235 | Egan Storeroom Unit | | | | | |
| NR1857 | Principal Storekeeper | 1 | 1 | | 1 | |
| NR1853 | Storekeeper | 2 | 2 | | 2 | |
| NR8651 | Maintenance Laborer Class A | 1 | 1 | | 1 | |
| TOTAL 235 | Egan Storeroom Unit | 4 | 4 | 354,453 | 4 | 377,874 |
| TOTAL 230 | Stores Section | 28 | 28 | 2,401,235 | 27 | 2,498,191 |
| TOTAL 225 | Stores & Inventory Division | 30 | 29 | 2,584,486 | 28 | 2,688,772 |
| TOTAL | Procurement & Materials Management | 59 | 61 | 5,977,416 | 60 | 6,254,754 |
| NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding. | | | | | | |

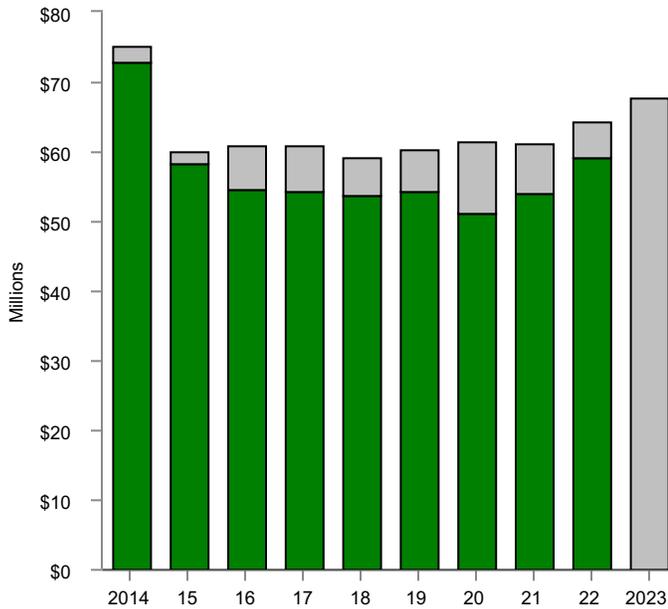


HUMAN RESOURCES FUNCTIONS

| | |
|----------|--------------|
| 2023 | \$67,607,300 |
| 2022 | \$64,163,300 |
| Increase | \$3,444,000 |



APPROPRIATIONS & EXPENDITURES

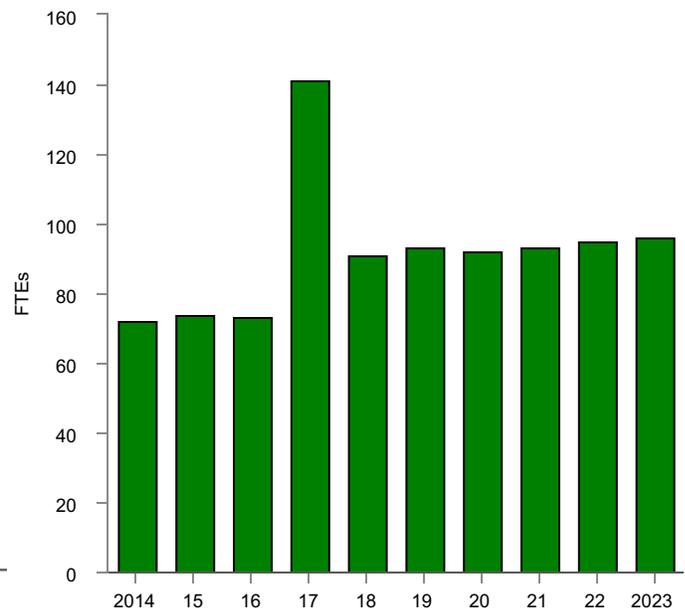


2022 Expenditures are estimated

EXPENDITURES APPROPRIATIONS

2015 - Decrease is due to a change in the OPEB funding level.

BUDGETED FTE POSITIONS



2017 - Increase is due to the expansion of the apprenticeship program.
2018 - Decrease is due to changes in the apprenticeship program.

HUMAN RESOURCES

| | | |
|------------------------|-------------|-------------|
| 25000 | | |
| HUMAN RESOURCES | | |
| 2021 | 2022 | 2023 |
| 83 | 95 | 96 |

| | | |
|-----------------------|---|---|
| 252 | | |
| Executive Unit | | |
| 7 | 7 | 7 |

| | | |
|-----------------------------------|----|----|
| 254 | | |
| Employee Selection Section | | |
| 13 | 13 | 13 |

| | | |
|-------------------------------------|----|----|
| 255 | | |
| Employee Development Section | | |
| 32 | 39 | 39 |

| | | |
|---|---|---|
| 256 | | |
| Classification, Compensation, & Benefits Section | | |
| 7 | 7 | 7 |

| | | |
|--------------------------------|---|---|
| 257 | | |
| Risk Management Section | | |
| 3 | 6 | 6 |

| | | |
|-----------------------------------|---|---|
| 258 | | |
| Employee Relations Section | | |
| 8 | 8 | 9 |

| | | |
|-----------------------|----|----|
| 259 | | |
| Safety Section | | |
| 13 | 15 | 15 |

HUMAN RESOURCES

Through strategic partnerships, the Human Resources Department develops and delivers innovative, efficient, and cost-effective programs and services that are aligned with the District's core business strategies.

Departmental Summary

The Human Resources Department's primary responsibilities include:

- Staffing: ensure that the District plans for recruiting, hiring, and retaining the diverse talent needed to meet its organizational goals;
- Development: guide staff in acquiring and maintaining the skills needed to properly perform their roles within the organization;
- Performance Management: assist managers and employees by developing and implementing a performance management system that supports the goals of the organization;
- Rewards Management: develop and implement appropriate incentives to aid in recruiting and retaining the highest quality staff;
- Risk Management: develop and administer a comprehensive risk management program that protects the assets of the District;
- Safety: develop safety guidelines and procedures; monitor compliance; provide safety training, conduct safety inspections, and make recommendations to provide a safe working environment for employees and others on District property.

Summary of 2022 Major Accomplishments

- Continued a combined format of digital and small in-person group safety training to allow for training while meeting COVID-19 mitigation protocols District-wide;
- The District's Return-to-Work Program continued to positively impact both frequency and severity of employee injuries, with the average bi-weekly lost time payroll in 2022 more than 70 percent lower than at the inception of the Program in 2013;
- Implemented a cloud-based crisis management software product designed to facilitate management of larger-scale emergencies;
- Completed first full year of virtual oral test administration using the Microsoft Teams platform for the oral board raters and expanded our use of the platform to conduct job analyses and examination reviews by departmental subject matter experts. The use of this platform has proven successful and will continue as we search for more efficiencies in the employee selection process;
- Employees received mandatory refresher compliance trainings for diversity, inclusion, and harassment prevention and the District's Ethics Ordinance;
- Health reimbursement arrangement accounts were added to the employee benefit program to provide employees with a savings tool for health care costs.

2023 Appropriation and Position Summary

The 2023 appropriation for the Human Resources Department is \$67,607,300, an increase of \$3,444,000, or 5.4 percent, from 2022. The staffing level has increased from 95 to 96 positions. The number of employees budgeted in the Human Resources Department includes 13 Apprentices, 20 full-time equivalent Interns, and three Civil Service Board members.

2023 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Workforce Excellence. The District is committed to investing in its future by investing in its employees. The initiatives highlighted below will allow the District to continue to recruit, develop, and retain best-in-class employees as the foundation of the organization's ongoing success.

Continue to develop targeted recruitment, mentoring, and professional development programs to increase diverse representation in key job categories

- As of October 1, 2013, the District began using the revised external labor rates for females and minorities, based on published data from the 2010 census. The District's minority workforce representation, as of September 30, 2022 was 45 percent, which compares favorably with the Cook County minority labor force availability rate of 36 percent. The District's female workforce representation, as of September 30, 2022 was 26 percent, compared to the Cook County female labor force availability rate of 41 percent, when adjusted for District-specific occupations.

| Percentage of District Employees Who Are Minorities or Females | | | | | | | 2000 Census External Availability | 2010 Census External Availability |
|--|-------------|-------------|-------------|-------------|----------------|----------------|-----------------------------------|-----------------------------------|
| | 2018 Actual | 2019 Actual | 2020 Actual | 2021 Actual | 2022 Estimated | 2023 Projected | | |
| Minorities | 42% | 43% | 44% | 44% | 45% | 45% | 33% | 36% |
| Females | 26% | 26% | 26% | 26% | 26% | 26% | 25% | 41% |

It is important to note that a majority of the District’s job categories include classifications that are nontraditional for women. Nontraditional occupations, as defined by the United States Department of Labor, are those occupations wherein 25 percent or fewer women have the requisite skills or work in that occupation. Consequently, the external female labor force rates are adjusted for District-specific occupations. They include only job classifications found at the District and exclude occupations such as teachers, registered nurses, and social workers.

The Human Resources Department coordinates the District-wide recruitment program. Ongoing advertising in print and electronic media assists the District in attracting a diverse and qualified applicant pool for current and future examinations. In 2023, the District will continue to target its recruitment efforts on increasing minority and female representation in specific job categories in which they are underrepresented. The District will continue to work with our union partners in attracting a diverse candidate pool in our apprentice programs and look for opportunities to expand these programs with other skilled trade crafts. A large part of the public image of the District is dependent on employee behaviors and interactions with the public. To assist employees in representing the District well, various training programs will continue.

Foster a culture that recognizes the value of every employee

- The Safety Section will conduct regular field compliance audits of specific safety programs including lock-out tag-out and hot work with an established review target. This will aid in ensuring effective District safety programs through ongoing compliance audits by safety staff and correction of any noted deficiencies;
- The District will be developing an internal communication strategy to improve employee engagement and to ensure that employees understand the vital role they play in the overall mission of the organization;
- The District has engaged a consultant to develop and administer a broad employee survey to solicit feedback from employees and foster an understanding that every employee’s feedback is valued. The survey will seek to understand how employees view the different aspects of the organizational culture, measure the level of employee satisfaction among staff, and solicit feedback on other workplace factors important to employees;
- The Compensation and Benefits Section awarded a contract for on-site health care services for employees. The District continues to explore ways to safeguard the health of its employees and create a culture of health in the workplace. Focusing on employee health and wellness has a positive impact on employee morale, can be a tool in recruiting top talent, helps the District ensure continuity of operations, assists in managing health care costs, and can increase the overall productivity of staff.

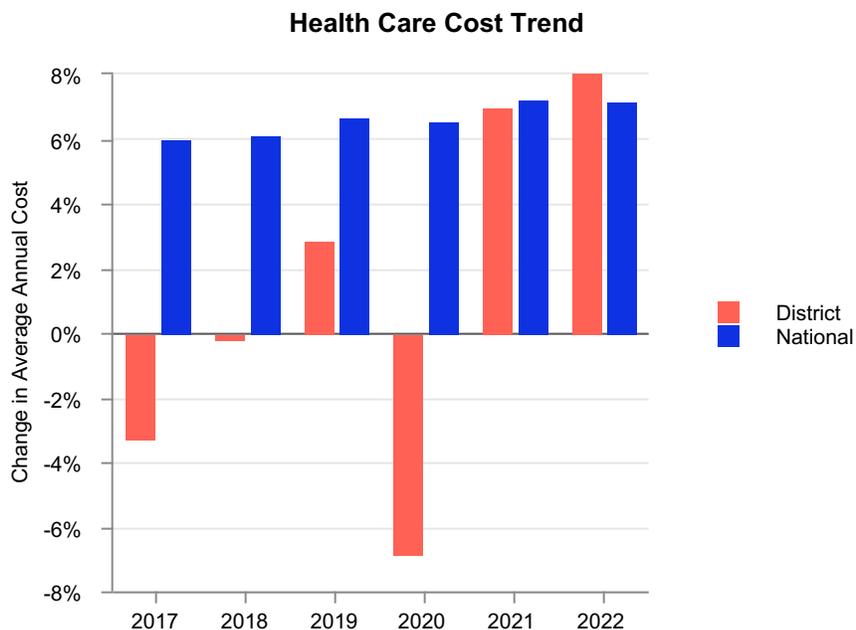
Provide ongoing training to supervisory staff regarding coaching and giving feedback

- Supervisors and managers will receive training in facilitating effective performance management evaluations and having impactful discussions and coaching sessions with employees.

The following budget highlights support the District's Strategic Plan Goal of Enterprise Resilience by seeking to strengthen the District’s financial position.

Maintain strong fiscal management, identify and leverage opportunities for cost reduction and cost recovery

- The Safety Section will utilize technology to increase efficiency in routine audits of safety programs such as hot work jobs and lock-out tag-out procedures; general building, area and equipment specific inspections; and documented observations of compliance with safety rules and procedures. This will eliminate redundancy of paper field forms re-entered into digital formats. Using tablet devices for safety checks will provide more time in the field for Safety staff;
- The District continues to promote the importance of preventive services and participation in its digital health platforms to help control health care spending. Communications campaigns around recommended preventive screenings and on-site events such as free flu shots are a focus of these efforts. In addition, the District continues to utilize communication campaigns highlighting available digital health platforms targeting chronic conditions such as obesity, diabetes, hypertension, and chronic back and neck pain. The impact of these strategies is evident in the District health care trend. From 2017 through 2021, the national trend for health care costs has been an average annual increase of 6.56 percent. The District’s average annual health care trend over this same period of time has been -0.08 percent, significantly below the national average. Although the projected trend for 2022 is above the national average, the long-term trend has allowed the District to maintain a strong financial position while continuing to offer a robust health care package to help recruit and retain top talent.



- The District will continue to leverage the Labor Management Committee on Health Care to further its health care strategy. These semiannual meetings with union leadership provide a platform to discuss health care utilization, cost trends, and cost containment strategies and encourage open communication between the District and the unions on important health care issues. The goal is to develop strategies to contain future health care costs, while continuing to provide affordable health care benefits to employees.

25000 HUMAN RESOURCES

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|--|----------------------|----------------|
| 1. Review employment applications, and develop and administer 36 examinations to meet Civil Service requirements and current operational needs. Oversee the certification process to fill positions. Develop and maintain a targeted advertising program necessary to establish recruitment resources, administer college and campus recruitment activities, and administer diversity outreach activities. | \$ 1,918,100 | 2.8 % |
| 2. Develop and administer a comprehensive risk management program, and provide a safe work environment for District employees through training, accident prevention initiatives, and workplace monitoring. | \$ 7,754,600 | 11.5 % |
| 3. Maintain comparative wage and salary data, administer non-represented and management compensation systems, and recommend changes to the Civil Service Board and the Board of Commissioners in order to ensure internal pay equity and external competitiveness. Maintain a highly competitive employee benefits package, including health, life, and dental insurance, a vision plan, and a deferred compensation plan, as well as administer other related benefit programs, such as Employee Assistance Program services, a flexible spending account plan, and voluntary insurance products. | \$ 35,742,300 | 52.9 % |
| 4. Administer seven collective bargaining agreements, covering 772 employees, and manage employee relations programs, which include investigation of employee complaints and performance rating reviews on behalf of the Director of Human Resources, and administer the unemployment compensation and performance management programs. | \$ 1,075,700 | 1.6 % |
| 5. Provide health insurance benefits and administration for retirees and annuitants, which include Other Postemployment Benefits pre-funding for retiree health care expenses. | \$ 16,263,700 | 24.1 % |
| 6. Implement the District's equal employment opportunity and affirmative action objectives through targeted recruitment, counseling, and complaint investigation. | \$ 405,500 | 0.6 % |
| 7. Provide the necessary administrative support to the District and Human Resources Department sections by maintaining centralized files; overseeing the hiring, promotion, transfer, termination, return-to-work, or any other action affecting an employee's status; and managing computerized information to perform departmental functions with greater efficiency at a lower cost. Comply with state Civil Service statutes by arranging for hearing of complaints from employees or other persons, the hearing of charges against employees for discharge, and the ratification of amendments to the Personnel Rules and the compensation and classification plan. | \$ 1,717,300 | 2.5 % |
| 8. Provide educational opportunities for employees through professional development, technical training, and tuition reimbursement. | \$ 2,730,100 | 4.0 % |
| Totals | \$ 67,607,300 | 100.0 % |

25000 HUMAN RESOURCES

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | | |
|-----------------------|---|--------------|----------|---------|---------------|----------------|--------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | | |
| 7290 | Examinations and Employment Activities | \$ 1,384,910 | 2023 | 12 | \$ 1,918,100 | \$ (4,600) | (0.2) | |
| | | | 2022 | 12 | \$ 1,922,700 | | | |
| 7295 | Equal Employment Opportunity Activities | \$ 388,689 | 2023 | 3 | \$ 405,500 | \$ 35,900 | 9.7 | |
| | | | 2022 | 3 | \$ 369,600 | | | |
| 7310 | Training and Development Activities | \$ 1,126,823 | 2023 | 39 | \$ 2,730,100 | \$ 214,000 | 8.5 | a) |
| | | | 2022 | 39 | \$ 2,516,100 | | | |
| 7315 | Retiree Benefits | \$ 9,710,231 | 2023 | — | \$ 11,263,700 | \$ (1,389,900) | (11.0) | b) |
| | | | 2022 | — | \$ 12,653,600 | | | |
| 7316 | Other Postemployment Benefits Trust Management and Report Preparation | \$ 5,000,000 | 2023 | — | \$ 5,000,000 | \$ — | — | |
| | | | 2022 | — | \$ 5,000,000 | | | |
| 7320 | Employee Benefits | \$28,545,596 | 2023 | 4 | \$35,593,900 | \$ 3,722,900 | 11.7 | c) |
| | | | 2022 | 4 | \$31,871,000 | | | |
| 7325 | Labor and Employee Relations | \$ 859,510 | 2023 | 7 | \$ 1,075,700 | \$ 72,600 | 7.2 | |
| | | | 2022 | 7 | \$ 1,003,100 | | | |
| 7330 | Human Resources Administration | \$ 858,166 | 2023 | 10 | \$ 1,717,300 | \$ 334,500 | 24.2 | d) |
| | | | 2022 | 9 | \$ 1,382,800 | | | |
| 7480 | Safety Program | \$ 1,572,680 | 2023 | 15 | \$ 2,189,300 | \$ 61,600 | 2.9 | |
| | | | 2022 | 15 | \$ 2,127,700 | | | |
| 7500 | Risk Management Operations | \$ 4,583,320 | 2023 | 6 | \$ 5,565,300 | \$ 393,000 | 7.6 | e) |
| | | | 2022 | 6 | \$ 5,172,300 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 86,434 | 2023 | — | \$ 148,400 | \$ 4,000 | 2.8 | |
| | | | 2022 | — | \$ 144,400 | | | |
| Totals | | \$54,116,359 | 2023 | 96 | \$67,607,300 | \$ 3,444,000 | 5.4 % | |
| | | | 2022 | 95 | \$64,163,300 | | | |

a) Increase in cost is due to the reallocation of salaries to more accurately reflect current activities (\$304,200), offset by supervisory coaching classes that occurred in 2022 not 2023 (\$75,000).

b) Decrease is due to a reduction in the cost of pharmacy services for retirees (\$552,100), Medicare Advantage for retirees (\$459,900), PPO health insurance premiums for retirees (\$379,000), and a reduction in the cost of HMO health insurance premiums for retirees (\$13,900).

c) Increase is due to the rise in the cost of PPO health insurance premiums for active employees (\$3,235,500), the District's contributions for the health reimbursement arrangement accounts (\$576,500), active employee pharmacy benefits (\$472,100), and the rise in the cost of dental insurance premiums for active employees (\$153,900), offset by a decrease in the cost of HMO health insurance premiums for active employees (\$663,700) and health and welfare consulting services (\$69,000).

d) Increase is due to the rise in cost of the on-site nursing services (\$210,000), a one-time cost for the compensation and benefits study (\$100,000) for 2023 not included in 2022, and the addition of office furniture (\$18,000).

e) Increase is due to an increase in the estimates for the property insurance premium (\$200,000), casualty insurance premium (\$124,000), broker services (\$25,000), and cyber insurance premium (\$20,000).

25000 HUMAN RESOURCES

PERFORMANCE DATA

| Program Number | Measurable Activity | PERFORMANCE DATA | | | |
|----------------|---|------------------|---------------|----------------|----|
| | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
| 7290 | Examinations and Employment Activities | | | | |
| | Candidates | 2,098 | 420 | 500 | a) |
| | Examinations | 64 | 52 | 36 | a) |
| | Applications | 2,998 | 2,000 | 1,841 | |
| | Requisitions | 134 | 250 | 127 | a) |
| | Cost | \$ 1,384,910 | \$ 1,922,700 | \$ 1,918,100 | |
| 7295 | Equal Employment Opportunity Activities | | | | |
| | Provide Counseling, Investigate Complaints and Implement Affirmative Action Plan Objectives | | | | |
| | Actions | 900 | 1,100 | 875 | b) |
| | Cost | \$ 388,689 | \$ 369,600 | \$ 405,500 | |
| | Cost/Action | \$ 431.88 | \$ 336.00 | \$ 463.43 | b) |
| 7310 | Training and Development Activities | | | | |
| | Training and Professional Development | | | | |
| | Training Courses | 7,290 | 500 | 272 | c) |
| | eLearning Courses | 9,627 | 10,000 | 9,200 | |
| | Cost | \$ 772,279 | \$ 1,074,600 | \$ 1,270,700 | d) |
| | Apprenticeship Program | | | | |
| | Cost | \$ 207,272 | \$ 693,100 | \$ 746,700 | |
| | Administer and Finance the Tuition Reimbursement Program for the Entire District | | | | |
| | Participants | 38 | 65 | 45 | e) |
| | Cost | \$ 147,272 | \$ 288,400 | \$ 252,700 | |
| | Cost/Participant | \$ 3,875.58 | \$ 4,436.92 | \$ 5,615.56 | e) |
| | Internship Program | | | | |
| | Cost | \$ — | \$ 460,000 | \$ 460,000 | |
| 7315 | Retiree Benefits | | | | |
| | Health Insurance - Corporate Fund Retirees | | | | |
| | Retirees | 1,990 | 1,995 | 1,990 | |
| | Cost | \$ 6,844,423 | \$ 8,834,000 | \$ 7,996,200 | f) |
| | Cost/Retiree | \$ 3,439.41 | \$ 4,428.07 | \$ 4,018.19 | |
| | Prescription Drug Retirees | | | | |
| | Participants | 1,990 | 1,995 | 1,990 | |
| | Cost | \$ 2,865,808 | \$ 3,819,600 | \$ 3,267,500 | g) |
| | Cost/Participant | \$ 1,440.10 | \$ 1,914.59 | \$ 1,641.96 | |

- a) Increase in the number of candidates and decrease in examinations and requisitions is due to the impact of the COVID-19 global pandemic on the planned examination schedule.
- b) Decrease in equal employment opportunity actions is due to the impact of the COVID-19 global pandemic on employee work arrangements, resulting in fewer required actions.
- c) Decrease in number of training courses is due to the impact of the COVID-19 global pandemic, requiring mandatory trainings to be online instead of in-person. Online classes are included in the number of eLearning courses.
- d) Increase in cost is due to the reallocation of salaries to more accurately reflect current activities (\$304,200), offset by supervisory coaching classes that occurred in 2022 not 2023 (\$75,000).
- e) Decrease in the number of tuition reimbursement participants is based on trend data from the past few years.
- f) Decrease is due to a reduction in the cost of Medicare Advantage for retirees (\$459,900), PPO health insurance premiums for retirees (\$379,000), and a reduction in the cost of HMO health insurance premiums for retirees (\$13,900).
- g) Decrease is due to a reduction in the cost of pharmacy services for retirees (\$552,100).

25000 HUMAN RESOURCES

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|--|------------------|---------------|---------------|----------------|----|
| 7316 | Other Postemployment Benefits Trust Management and Report Preparation | Cost | \$ 5,000,000 | \$ 5,000,000 | \$ 5,000,000 | |
| 7320 | Employee Benefits | | | | | |
| | Health Insurance - Corporate Fund Employees (includes vision care) ¹ | Participants | 1,582 | 1,650 | 1,620 | |
| | | Cost | \$ 22,185,893 | \$ 24,680,200 | \$ 27,706,200 | h) |
| | | Cost/Participant | \$ 14,023.95 | \$ 14,957.70 | \$ 17,102.59 | |
| | Prescription Drugs - Corporate Fund Employees ¹ | Participants | 1,582 | 1,650 | 1,620 | |
| | | Cost | \$ 4,582,698 | \$ 5,283,800 | \$ 5,755,900 | i) |
| | | Cost/Participant | \$ 2,896.77 | \$ 3,202.30 | \$ 3,553.02 | |
| | Dental Insurance - Corporate Fund Employees ¹ | Participants | 1,576 | 1,640 | 1,610 | |
| | | Cost | \$ 1,156,345 | \$ 1,128,300 | \$ 1,282,200 | j) |
| | | Cost/Participant | \$ 733.72 | \$ 687.99 | \$ 796.40 | j) |
| | Life Insurance - Corporate Fund Employees ¹ | Employees | 1,655 | 1,710 | 1,670 | |
| | | Cost | \$ 69,644 | \$ 78,600 | \$ 113,100 | k) |
| | | Cost/Employee | \$ 42.08 | \$ 45.96 | \$ 67.72 | k) |
| | Deferred Compensation Administration | Cost | \$ 39,000 | \$ 39,000 | \$ 47,500 | l) |
| | Other Benefits | | | | | |
| | Employee Assistance Program | Cost | \$ 49,403 | \$ 49,500 | \$ 38,000 | m) |
| | Flexible Spending Accounts Program | Cost | \$ 50,603 | \$ 45,000 | \$ 87,000 | n) |
| | Benefits Administration and Professional Development (formerly Compensation and Classification Activities) | Cost | \$ 412,010 | \$ 566,600 | \$ 564,000 | |
| 7325 | Labor and Employee Relations | | | | | |
| | Labor and Employee Relations Activities | Employees Served | 1,877 | 1,972 | 1,957 | |
| | | Cost | \$ 609,007 | \$ 755,600 | \$ 823,500 | |
| | Compliance with Unemployment Compensation Requirements | Claims | 13 | 25 | 15 | o) |
| | | Cost | \$ 90,936 | \$ 100,000 | \$ 100,000 | |
| | | Cost/Claim | \$ 6,995.08 | \$ 4,000.00 | \$ 6,666.67 | o) |
| | Employee Performance Management | Cost | \$ 159,567 | \$ 147,500 | \$ 152,200 | |

h) Increase is due to the rise in the cost of PPO health insurance premiums for active employees (\$3,235,500) and the District's contributions for the health reimbursement arrangement accounts (\$576,500), offset by a decrease in the cost of HMO health insurance premiums for active employees (\$663,700), health and welfare consulting services (\$69,000), and the health reimbursement account administration being administered by the flexible spending account administrator (\$65,000).

i) Increase is due to the rise in the cost of active employee pharmacy benefits (\$472,100).

j) Increase is due to the rise in the cost of dental insurance premiums for active employees (\$153,900).

k) Increase is due to the rise in the cost of life insurance premiums for active employees (\$34,500).

l) Increase is due to the rise in the cost of the Deferred Compensation Plan Consultant (\$8,500).

m) Decrease is due to a reduction in the cost of the Employee Assistance Program (\$11,500).

n) Increase is due to the addition of the cost for the health reimbursement account administration now being administered by the flexible spending account administrator (\$42,000).

o) The estimated decrease of unemployment claims is based on trend data of the past few years.

¹ Additional funds are budgeted in the Stormwater Management Fund.

25000 HUMAN RESOURCES

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|---|------------------|---------------|---------------|----------------|----|
| 7330 | Human Resources Administration | | | | | |
| | Personnel Activity Administration | Employees Served | 1,877 | 1,972 | 1,957 | |
| | | Cost | \$ 626,289 | \$ 1,109,200 | \$ 1,485,300 | p) |
| | | Cost/Employee | \$ 333.66 | \$ 562.47 | \$ 758.97 | p) |
| | Pre-employment Activities | New Hires | 91 | 110 | 120 | |
| | | Cost | \$ 72,710 | \$ 104,800 | \$ 58,900 | q) |
| | | Cost/New Hire | \$ 799.01 | \$ 952.73 | \$ 490.83 | q) |
| | Civil Service Board Procedures | | | | | |
| | Hear and Render Decisions on Appeals from Employees, Ratify Amendments to the Personnel Rules, Hear and Render Decisions on Discharges | Actions | 14 | 20 | 15 | |
| | | Cost | \$ 159,167 | \$ 168,800 | \$ 173,100 | |
| | | Cost/Action | \$ 11,369.07 | \$ 8,440.00 | \$ 11,540.00 | |
| 7480 | Safety Program | | | | | |
| | Occupational Safety and Health Administration Compliance, Inspections, Reporting, and Accident Investigation, Contract Review for Compliance with Safety Standards, Safety Training, and Professional Development | Cost | \$ 1,251,527 | \$ 1,645,200 | \$ 1,645,300 | |
| | Safety Training | # of Classes | 1,352 | 1,900 | 1,400 | r) |
| | | # of Attendees | 8,326 | 13,000 | 9,000 | r) |
| | Safety Equipment Purchase, Rental, and Maintenance | Cost | \$ 209,201 | \$ 295,200 | \$ 352,800 | s) |
| | Payment for External Services to Support Safety Activities | Cost | \$ 111,952 | \$ 187,300 | \$ 191,200 | |
| 7500 | Risk Management Operations | | | | | |
| | Administration and Professional Development (formerly Administration) | Cost | \$ 299,676 | \$ 665,900 | \$ 682,300 | |
| | Third Party Services | Cost | \$ 553,193 | \$ 520,000 | \$ 545,000 | |
| | Insurance Premiums (such as property insurance) | Cost | \$ 3,730,451 | \$ 3,986,400 | \$ 4,338,000 | t) |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 86,434 | \$ 144,400 | \$ 148,400 | |
| | Totals | | \$ 54,116,359 | \$ 64,163,300 | \$ 67,607,300 | |

p) Increase is due to the rise in cost of the on-site nursing services (\$210,000), a one-time cost for the compensation and benefits study (\$100,000) for 2023 not included in 2022, and the addition of office furniture (\$18,000).

q) Decrease is due to the reduction in pre-employment psychological evaluations (\$40,000) and pre-employment background checks (\$5,900) because the cycle of the Police Officer candidate pre-employment process occurred in 2022 not 2023.

r) Decrease is due to fewer classes and attendees because of a lower number of Safety staff and restrictions due to the COVID-19 global pandemic.

s) Increase is due to the request for safety equipment in 2023 for the Maintenance & Operations Department not requested for 2022 (\$55,000).

t) Increase is due to an increase in the estimates for the property insurance premium (\$200,000), casualty insurance premium (\$124,000), and cyber insurance premium (\$20,000).

| 101 25000 | Fund: Corporate Department: Human Resources | LINE ITEM ANALYSIS | | | | | | |
|----------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 5,739,054 | \$ 7,236,900 | \$ 7,236,900 | \$ 6,328,800 | \$ 7,304,400 | \$ 7,304,400 | \$ 7,778,800 |
| 601060 | Compensation Plan Adjustments | 247,316 | 259,300 | 259,300 | 192,900 | 248,100 | 248,100 | 250,600 |
| 601070 | Social Security and Medicare Contributions | 86,434 | 144,400 | 144,400 | 101,400 | 148,400 | 148,400 | 148,400 |
| 601090 | Employee Claims | 90,936 | 100,000 | 100,000 | — | 100,000 | 100,000 | 100,000 |
| 601100 | Tuition and Training Payments | 269,456 | 841,100 | 841,100 | 514,200 | 651,200 | 651,200 | 766,200 |
| 601250 | Health and Life Insurance Premiums | 42,629,560 | 48,656,300 | 48,591,300 | 45,960,900 | 51,206,900 | 51,206,900 | 51,006,900 |
| 601300 | Personal Services, N.O.C. (Not Otherwise Classified) | — | 460,000 | 460,000 | 100,000 | 460,000 | 460,000 | 460,000 |
| 100 | TOTAL PERSONAL SERVICES | 49,062,755 | 57,698,000 | 57,633,000 | 53,198,200 | 60,119,000 | 60,119,000 | 60,510,900 |
| 612010 | Travel | — | 4,400 | 4,400 | 2,800 | 7,800 | 7,800 | 7,800 |
| 612030 | Meals and Lodging | — | 15,300 | 15,100 | 10,500 | 16,200 | 16,200 | 16,200 |
| 612050 | Compensation for Personally-Owned Automobiles | 16 | 1,300 | 1,300 | 200 | 1,300 | 1,300 | 1,300 |
| 612080 | Motor Vehicle Operating Services | — | 100 | 300 | 200 | 100 | 100 | 100 |
| 612250 | Court Reporting Services | 8,083 | 16,000 | 16,000 | 13,800 | 16,000 | 16,000 | 16,000 |
| 612260 | Medical Services | 96,047 | 528,600 | 378,600 | 150,000 | 555,700 | 555,700 | 665,700 |
| 612290 | Insurance Premiums | 3,946,951 | 4,221,400 | 4,371,400 | 4,370,700 | 4,598,000 | 4,598,000 | 4,598,000 |
| 612330 | Rental Charges | 8,055 | 26,500 | 26,500 | 18,200 | 13,500 | 13,500 | 13,500 |
| 612360 | Advertising | 550 | 31,000 | 31,000 | — | 31,000 | 31,000 | 31,000 |
| 612430 | Payments for Professional Services | 554,255 | 1,027,000 | 1,092,000 | 808,800 | 1,013,400 | 1,013,400 | 1,055,900 |
| 612490 | Contractual Services, N.O.C. | 15,187 | 83,400 | 83,400 | 25,800 | 94,500 | 94,500 | 106,500 |
| 612780 | Safety Repairs and Services | 100,124 | 160,000 | 160,000 | 149,300 | 158,000 | 158,000 | 158,000 |
| 612820 | Computer Software Maintenance | 92,994 | — | — | — | — | — | — |
| 200 | TOTAL CONTRACTUAL SERVICES | 4,822,262 | 6,115,000 | 6,180,000 | 5,550,300 | 6,505,500 | 6,505,500 | 6,670,000 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 21,992 | 28,500 | 28,100 | 12,000 | 27,600 | 27,600 | 45,600 |
| 623720 | Books, Maps, and Charts | 125 | 1,000 | 1,000 | 500 | 1,000 | 1,000 | 1,000 |
| 623780 | Safety and Medical Supplies | 208,568 | 282,800 | 282,800 | 240,300 | 270,800 | 270,800 | 270,800 |
| 623990 | Materials and Supplies, N.O.C. | 657 | 8,000 | 8,400 | 8,400 | 11,500 | 11,500 | 11,500 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 231,342 | 320,300 | 320,300 | 261,200 | 310,900 | 310,900 | 328,900 |

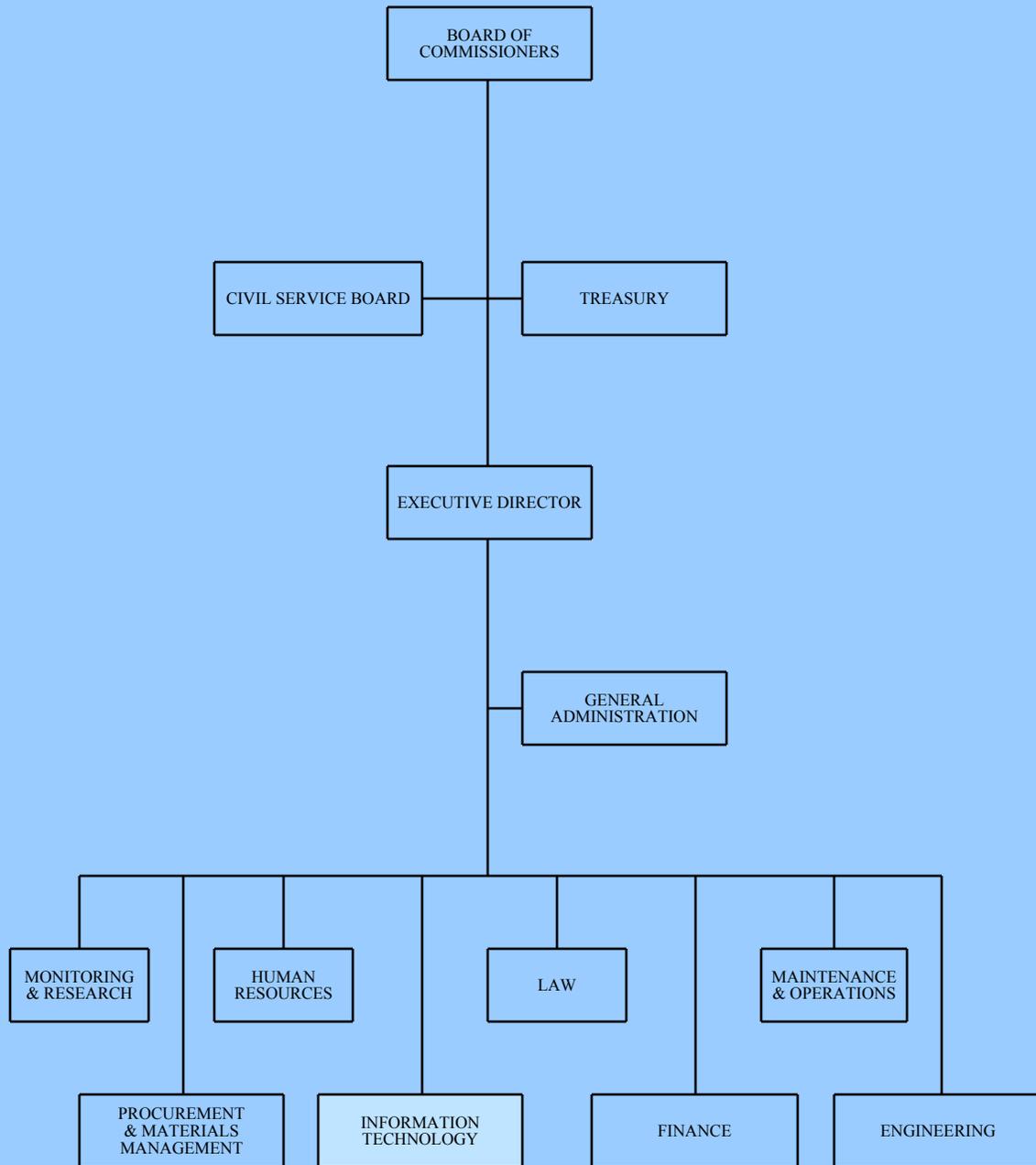
| 101 25000 | | LINE ITEM ANALYSIS | | | | | | |
|--|-------------------------------|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| Fund: Corporate Department: Human Resources | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 634780 | Safety and Medical Equipment | — | — | — | — | 55,000 | 55,000 | 55,000 |
| 634820 | Computer Software | — | 30,000 | 30,000 | — | 30,000 | 30,000 | 42,500 |
| 400 | TOTAL MACHINERY AND EQUIPMENT | — | 30,000 | 30,000 | — | 85,000 | 85,000 | 97,500 |
| TOTAL HUMAN RESOURCES | | \$ 54,116,359 | \$ 64,163,300 | \$ 64,163,300 | \$ 59,009,700 | \$ 67,020,400 | \$ 67,020,400 | \$ 67,607,300 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

| Fund: Corporate Dept: Human Resources | | POSITION ANALYSIS | | | | |
|--|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 252 | Executive Unit | | | | | |
| EX10 | Director of Human Resources | 1 | 1 | | 1 | |
| HP20 | Assistant Director of Human Resources | 1 | 1 | | 1 | |
| EX06 | Secretary to Officer | 1 | 1 | | 1 | |
| EX16 | Civil Service Board Chairman | 1 | 1 | | 1 | |
| EX09 | Civil Service Board Member | 2 | 2 | | 2 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 252 | Executive Unit | 7 | 7 | 693,088 | 7 | 712,622 |
| 254 | Employee Selection Section | | | | | |
| HP18 | Human Resources Manager | 1 | 1 | | 1 | |
| HP16 | Senior Human Resources Analyst | 2 | 2 | | 2 | |
| HP14 | Human Resources Analyst | 6 | 6 | | 6 | |
| HP13 | Senior Administrative Specialist | 2 | 2 | | 2 | |
| HP11 | Administrative Specialist | 2 | 2 | | 1 | |
| HP11 | Administrative Specialist #1 | — | — | | 1 | |
| TOTAL 254 | Employee Selection Section | 13 | 13 | 1,384,188 | 13 | 1,405,773 |
| 255 | Employee Development Section | | | | | |
| HP19 | Human Resources Manager #2 (New Grade HP18) | 1 | 1 | | 1 | |
| HP16 | Senior Human Resources Analyst | 1 | 1 | | 1 | |
| HP14 | Human Resources Analyst | 2 | 2 | | 2 | |
| HP12 | Human Resources Assistant #2 (Administrative Specialist) (New Grade HP11) | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TM01 | Intern | 20 | 20 | | 20 | |
| PR1025 | Apprentice - Machinist Trainee | — | 7 | | 7 | |
| NR1027 | Apprentice - Operating Engineer Trainee | 6 | 6 | | 6 | |
| TOTAL 255 | Employee Development Section | 32 | 39 | 1,864,523 | 39 | 2,169,209 |
| 256 | Classification, Compensation, & Benefits Section | | | | | |
| HP19 | Human Resources Manager #2 (New Grade HP18) | 1 | 1 | | 1 | |
| HP17 | Senior Human Resources Analyst #2 (New Grade HP16) | 2 | 2 | | 2 | |
| HP14 | Human Resources Analyst | 3 | 3 | | 3 | |

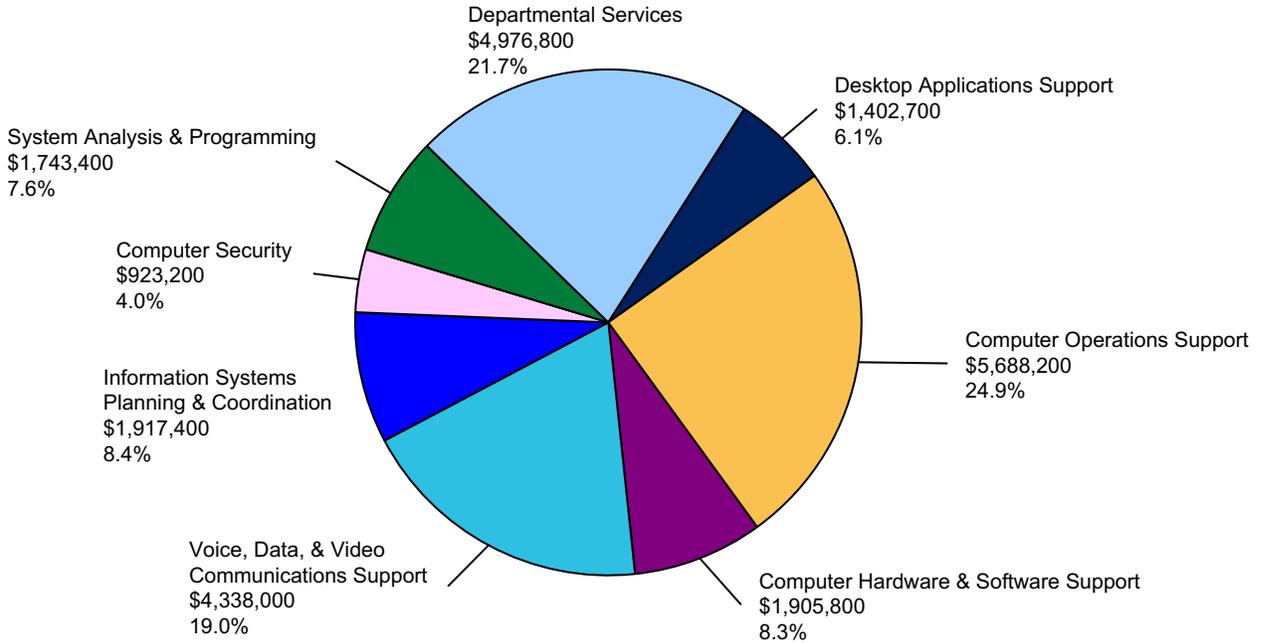
| Fund: Corporate Dept: Human Resources | | POSITION ANALYSIS | | | | |
|--|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP13 | Senior Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 256 | Classification, Compensation, & Benefits Section | 7 | 7 | 879,300 | 7 | 919,667 |
| | 257 Risk Management Section | | | | | |
| HP19 | Risk Manager #1 | 1 | — | | — | |
| HP18 | Risk Manager | — | 1 | | 1 | |
| HP17 | Claims Administrator #2 (New Grade HP16) | 1 | 1 | | 1 | |
| HP16 | Emergency Planning Program Coordinator | — | 1 | | 1 | |
| HP16 | Senior Risk Analyst | — | 1 | | 1 | |
| HP14 | Budget & Management Analyst | — | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 257 | Risk Management Section | 3 | 6 | 661,031 | 6 | 668,505 |
| | 258 Employee Relations Section | | | | | |
| HP18 | Human Resources Manager | 1 | 1 | | 1 | |
| HP16 | Senior Human Resources Analyst | 2 | 2 | | 3 | |
| HP15 | Associate Human Resources Analyst #2 (Human Resources Analyst) (New Grade HP14) | 1 | — | | — | |
| HP14 | Human Resources Analyst | 2 | 3 | | 3 | |
| HP11 | Administrative Specialist | 2 | 2 | | 2 | |
| TOTAL 258 | Employee Relations Section | 8 | 8 | 836,690 | 9 | 1,007,893 |
| | 259 Safety Section | | | | | |
| HP18 | Safety Manager | 1 | 1 | | 1 | |
| HP16 | Senior Safety Specialist | 1 | 3 | | 3 | |
| HP15 | Safety Coordinator #2 (Safety Specialist) (New Grade HP14) | 3 | 1 | | — | |
| HP14 | Safety Specialist | 7 | 9 | | 10 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 259 | Safety Section | 13 | 15 | 1,578,665 | 15 | 1,557,627 |
| TOTAL | Human Resources | 83 | 95 | 7,897,484 | 96 | 8,441,296 |

NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

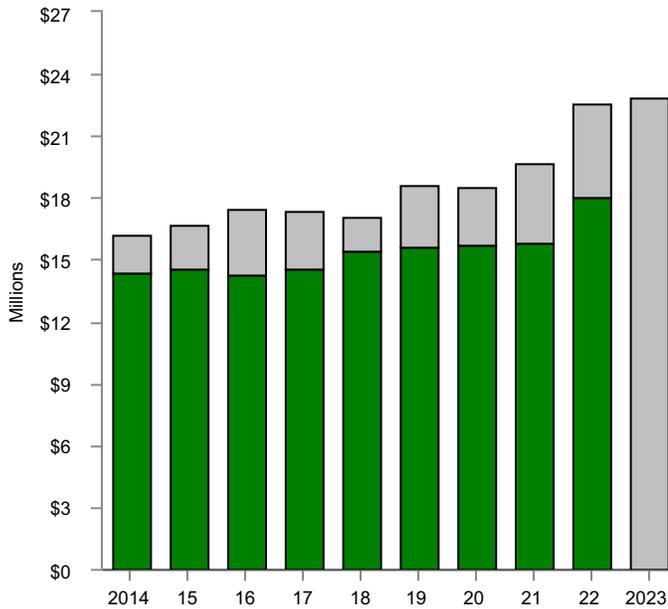


INFORMATION TECHNOLOGY FUNCTIONS

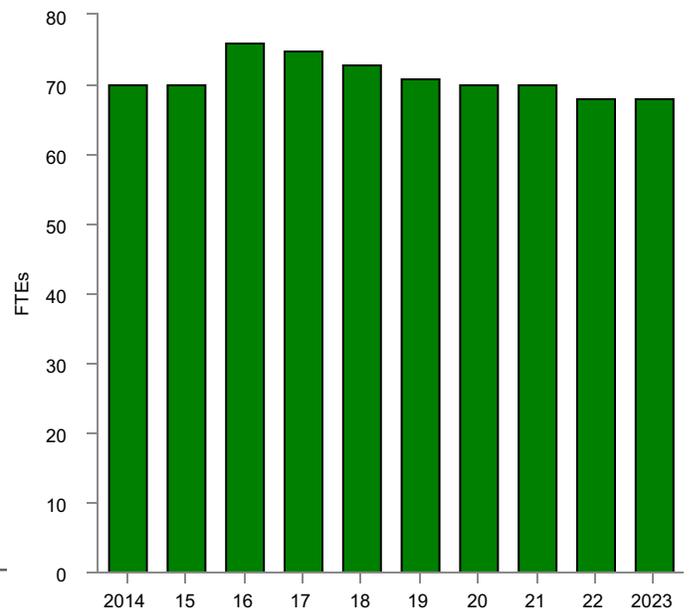
| | |
|----------|--------------|
| 2023 | \$22,895,500 |
| 2022 | \$22,520,100 |
| Increase | \$375,400 |



APPROPRIATIONS & EXPENDITURES



BUDGETED FTE POSITIONS



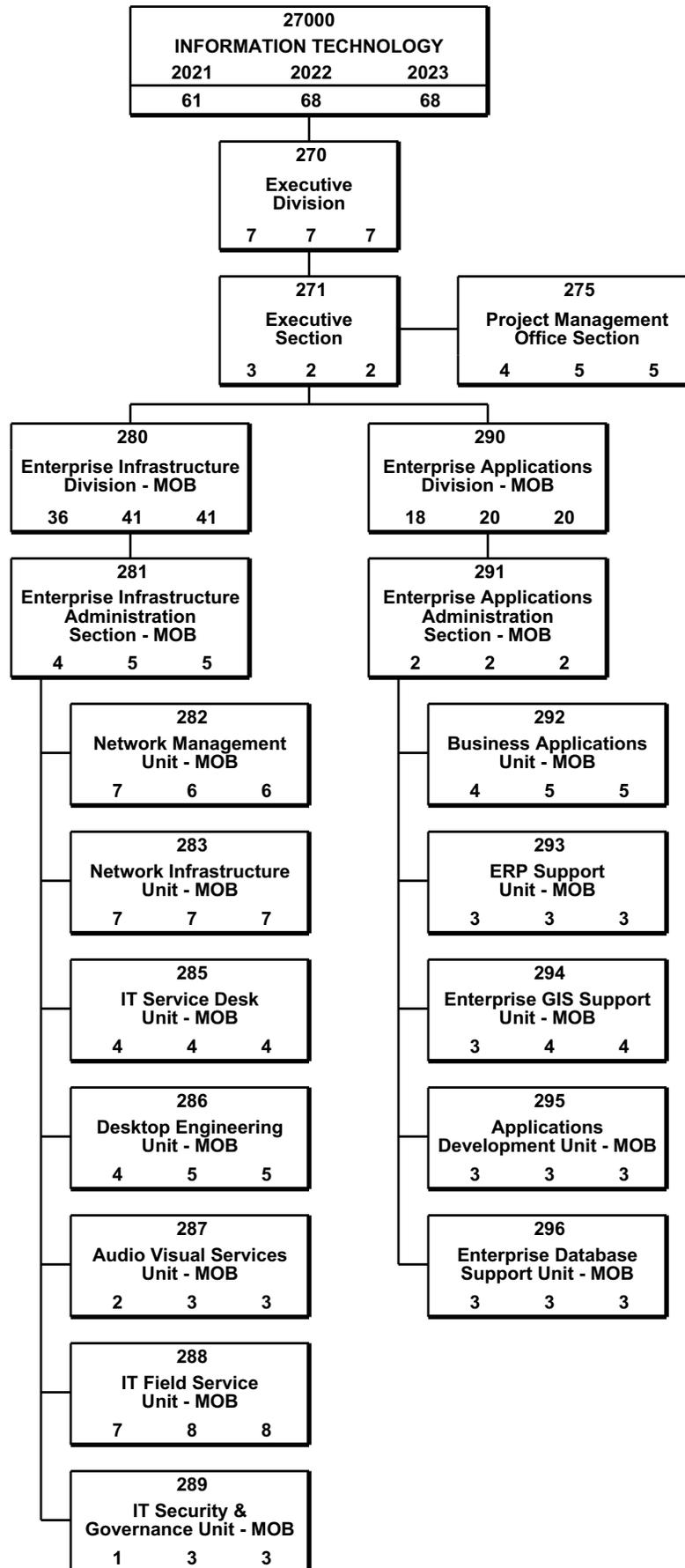
2022 Expenditures are estimated

| | | | |
|--|--------------|--|----------------|
| | EXPENDITURES | | APPROPRIATIONS |
|--|--------------|--|----------------|

2019 - Decrease is due to organizational redesign.

2019 - Increase is due to the reallocation of several projects from the Construction Fund to the Corporate Fund.
2022 - Increase is due to the replacement of the Storage Area Network system.

INFORMATION TECHNOLOGY



INFORMATION TECHNOLOGY

The mission of the Information Technology Department (ITD) is to promote successful achievement of the District's Strategic Plan through targeted information technology (IT) investments and services and to maintain technology infrastructures and architectures at levels that promote efficacy, efficiency, and sustainable practices throughout the District.

Departmental Summary

In pursuit of its mission, the ITD coordinates the planning and implementation of IT throughout the District. The ITD establishes District-wide computer standards and provides services in the following key areas: IT planning and program management, design and implementation, applications development and support, infrastructure operations and maintenance, user support, security, and disaster recovery.

Summary of 2022 Major Accomplishments

- Transitioned mobile devices to enhanced cellular service through FirstNet® by AT&T in order to assure agency resilience and readiness for effective response to emergencies and reduce costs;
- Completed the installation of a new Enterprise Storage Area Network which provides a critical level of business continuity management as it contains multiple copies/backups of District data and applications;
- Continued the implementation of enhancements to the District's external website by upgrading to a modern web content management system in order to provide easy and transparent access to clear, consistent, and accurate information about the District and its areas of responsibility;
- Continued the upgrade of the underlying network hardware for the District's desk phone system in order to reduce telecommunications cost and to upgrade capabilities, including the implementation of a new Avaya gateway which allows traditional desk-phone service on a mobile device;
- Completed the implementation of the ITD Infrastructure Strategy, including the rollout of more than 500 mobile computing devices.

2023 Appropriation and Position Summary

The 2023 appropriation for the ITD is \$22,895,500, an increase of \$375,400, or 1.7 percent, from 2022. The staffing level remains unchanged at 68 positions.

2023 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Enterprise Resilience. The District is committed to ensuring ongoing services that are reliable, equitable, and cost-effective. The initiatives highlighted below will prepare for disruptive manmade and natural events, and strengthen the MWRD's operational positions.

Assure agency resilience and readiness for effective response to emergencies that could put at risk the health and safety of employees, negatively affect operations, disrupt essential services, or put at risk the general public

- The District's enterprise unified computing system is a critical asset for the District's operation. The system provides on-premises computing power for applications used by the District, including the Enterprise Resource Planning system. The enterprise computing system provides a level of resiliency and redundancy as it contains several versions of servers that host critical District applications. The current system is over seven years old and needs to be replaced to provide the latest features for business continuity management;
- Dependency on technology and changes in MWRD culture demand a computing environment that allows staff to be effective while not physically at a District facility. To that end, the Teleworker Roll-out project will transition to incorporate the Mobile First Initiative, allowing all District computer users the option to work remotely. This project includes the implementation of the computing hardware, software, services, policy, and governance needed to procure, maintain, and secure technology and network resources to District staff. With the goal of providing a workplace that meets the evolving needs of the District, phase two of this project will be implemented in 2023;
- The District's legacy phone system must be completely upgraded to a newer technology. This project has been on-going for three years, with the final phase set to start in 2023. When completed, the District's phone system will be fully redundant and complexly support modern telephony technologies such as Voice over Internet Protocol (VoIP).

Maintain strong fiscal management; identify and leverage opportunities for cost reduction and cost recovery

- Conduct an Enterprise Resource Planning needs assessment in order to better address the needs of a changing District. This assessment will include the feasibility of transitioning certain Enterprise systems to the cloud as well as the implementation of changes to the graphical user interface system of these systems to better serve the needs of various departments.

The Information Technology Department will continue to evaluate additional consolidation of infrastructure and software technologies to streamline administration, leading to reduced costs and optimized performance.

27000 INFORMATION TECHNOLOGY

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|---|----------------------|----------------|
| 1. COMPUTER HARDWARE AND SOFTWARE SUPPORT: The Information Technology Department (ITD) provides maintenance and operations of all hardware, including SAP servers, storage area networks/ thin client central computer hardware, and software for nine major locations. | \$ 1,905,800 | 8.3 % |
| 2. VOICE, DATA, AND VIDEO COMMUNICATIONS SUPPORT: The Enterprise Infrastructure Division maintains the District's wide area network as well as the Main Office Building Complex local area networks. Staff is responsible for planning, installing, and maintaining voice, data, and video communications for the entire District. | \$ 4,338,000 | 19.0 % |
| 3. INFORMATION SYSTEMS PLANNING AND COORDINATION: Provides a strategic perspective used to align the ITD with the stated goals and objectives of the District and its departments. Staff is responsible for services such as strategic planning of technology and communications as well as disaster recovery planning. | \$ 1,917,400 | 8.4 % |
| 4. SYSTEMS ANALYSIS AND PROGRAMMING: The Enterprise Applications Division is responsible for the system management of the Enterprise Financial System applications which includes ongoing database maintenance, system configuration, and enhancement using Advanced Business Application Programming techniques. Internet/intranet services will continue to expand to meet the District's needs. | \$ 1,743,400 | 7.6 % |
| 5. COMPUTER OPERATIONS SUPPORT: The ITD operates one on-site computer room and one co-location data center which together house the District's systems, storage area networks, network servers, and ancillary equipment. | \$ 5,688,200 | 24.9 % |
| 6. DEPARTMENTAL SERVICES: The ITD provides direct consulting, planning, and maintenance assistance to all departments as well as the administration of storage area networks/thin clients and necessary networking. Additional services include support of department-specific software such as the Laboratory Information Management System, Maintenance Management System, and the internet-based Publicly owned treatment works Administration and Compliance System, along with Treasury Section and real estate applications. | \$ 4,976,800 | 21.7 % |
| 7. COMPUTER SECURITY: The ITD is responsible for the security of all District information systems, disaster recovery system, and data, which includes monitoring and enforcing compliance with software licensing agreements, District security directives, and the disaster recovery plan. Staff is also responsible for auditing remaining workstations to verify compliance. | \$ 923,200 | 4.0 % |
| 8. DESKTOP APPLICATIONS SUPPORT: The assigned staff will continue to provide applications and technical support to approximately 1,957 computer system users. | \$ 1,402,700 | 6.1 % |
| Totals | \$ 22,895,500 | 100.0 % |

27000 INFORMATION TECHNOLOGY

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | | |
|-----------------------|--|--------------|----------|---------|--------------|--------------|-------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | | |
| 7381 | Systems Analysis and Programming | \$ 1,418,685 | 2023 | 12 | \$ 1,743,400 | \$ 128,300 | 7.9 | |
| | | | 2022 | 12 | \$ 1,615,100 | | | |
| 7382 | Desktop Applications Support | \$ 529,952 | 2023 | 5 | \$ 1,402,700 | \$ 122,200 | 9.5 | |
| | | | 2022 | 5 | \$ 1,280,500 | | | |
| 7383 | Voice, Data, and Video Communications Support | \$ 3,336,509 | 2023 | 11 | \$ 4,338,000 | \$ 84,600 | 2.0 | |
| | | | 2022 | 11 | \$ 4,253,400 | | | |
| 7384 | Central Computer Hardware and Proprietary Software Support | \$ 1,371,012 | 2023 | 8 | \$ 1,905,800 | \$ 223,600 | 13.3 | a) |
| | | | 2022 | 8 | \$ 1,682,200 | | | |
| 7385 | Computer Operations, Maintenance, and Support | \$ 4,258,779 | 2023 | 7 | \$ 5,688,200 | \$ (625,600) | (9.9) | b) |
| | | | 2022 | 7 | \$ 6,313,800 | | | |
| 7387 | Computer Security | \$ 223,673 | 2023 | 4 | \$ 923,200 | \$ 21,600 | 2.4 | |
| | | | 2022 | 4 | \$ 901,600 | | | |
| 7388 | Information Systems Planning | \$ 793,667 | 2023 | 5 | \$ 1,188,300 | \$ (67,200) | (5.4) | |
| | | | 2022 | 5 | \$ 1,255,500 | | | |
| 7389 | Information Systems Coordination | \$ 537,092 | 2023 | 3 | \$ 729,100 | \$ (50,300) | (6.5) | |
| | | | 2022 | 3 | \$ 779,400 | | | |
| 7800 | Information Technology Services | \$ 3,281,481 | 2023 | 13 | \$ 4,850,200 | \$ 540,500 | 12.5 | c) |
| | | | 2022 | 13 | \$ 4,309,700 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 104,616 | 2023 | — | \$ 126,600 | \$ (2,300) | (1.8) | |
| | | | 2022 | — | \$ 128,900 | | | |
| Totals | | \$15,855,466 | 2023 | 68 | \$22,895,500 | \$ 375,400 | 1.7 % | |
| | | | 2022 | 68 | \$22,520,100 | | | |

a) Increase is due to the additional demand for commercial multifunction printing devices (\$105,000), the extension of existing Co-Location services (\$85,200), and new miscellaneous software (\$10,000).

b) Decrease is due to the completed installation of the 3Par Enterprise SANS storage system and related maintenance (\$1,400,000) offset by the installation of a Unified Computing System (\$800,000).

c) Increase is due to the implementation of a new Laboratory Information Management System (\$270,000), improvements to the Wi-Fi infrastructure at the Cecil Lue-Hing Building at the Stickney Water Reclamation Plant (\$125,000), the addition and implementation of new modules for the PRISM software (\$100,000), the rental of replacement time clocks (\$81,500), and additional demand for the Employee Benefits Software maintenance (\$70,000), offset by the reduced demand for Wi-Fi controllers and wireless access points (\$35,000) and various software licenses and maintenance fees including iPacs (\$33,400) and Primavera (\$33,000).

27000 INFORMATION TECHNOLOGY

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|--|-------------------------------|---------------|---------------|----------------|----|
| 7380 | Information Technology and Telecommunications | | | | | |
| 7381 | Systems Analysis and Programming | Application Modules Supported | 90 | 90 | 90 | |
| | | Cost | \$ 1,418,685 | \$ 1,615,100 | \$ 1,743,400 | |
| | | Cost/Module | \$ 15,763.17 | \$ 17,945.56 | \$ 19,371.11 | |
| 7382 | Desktop Applications Support | # of Service Calls | 14,715 | 18,500 | 15,600 | a) |
| | | Cost | \$ 529,952 | \$ 1,280,500 | \$ 1,402,700 | |
| | | Cost/Service Call | \$ 36.01 | \$ 69.22 | \$ 89.92 | |
| 7383 | Voice, Data, and Video Communications Support | Cost | \$ 3,336,509 | \$ 4,253,400 | \$ 4,338,000 | |
| 7384 | Central Computer Hardware and Proprietary Software Support | Cost | \$ 1,371,012 | \$ 1,682,200 | \$ 1,905,800 | b) |
| 7385 | Computer Operations, Maintenance, and Support | Cost | \$ 4,258,779 | \$ 6,313,800 | \$ 5,688,200 | c) |
| 7387 | Computer Security | Cost | \$ 223,673 | \$ 901,600 | \$ 923,200 | |
| 7388 | Information Systems Planning | Cost | \$ 793,667 | \$ 1,255,500 | \$ 1,188,300 | |
| 7389 | Information Systems Coordination | Cost | \$ 537,092 | \$ 779,400 | \$ 729,100 | |
| 7800 | Information Technology Services | # of Users | 1,877 | 1,972 | 1,957 | d) |
| | | Cost | \$ 3,281,481 | \$ 4,309,700 | \$ 4,850,200 | |
| | | Cost/User | \$ 1,748.26 | \$ 2,185.45 | \$ 2,478.39 | |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 104,616 | \$ 128,900 | \$ 126,600 | |
| | | Totals | \$ 15,855,466 | \$ 22,520,100 | \$ 22,895,500 | |

- a) Decrease is due to fluctuations in projected service call trends.
- b) Increase is due to the additional demand for commercial multifunction printing devices (\$105,000), the extension of existing Co-Location services (\$85,200), and new miscellaneous software (\$10,000).
- c) Decrease is due to the completed installation of the 3Par Enterprise SANS storage system and related maintenance (\$1,400,000) offset by the installation of a Unified Computing System (\$800,000).
- d) Increase is due to the implementation of a new Laboratory Information Management System (\$270,000), improvements to the Wi-Fi infrastructure at the Cecil Lue-Hing Building at the Stickney Water Reclamation Plant (\$125,000), the addition and implementation of new modules for the PRISM software (\$100,000), the rental of replacement time clocks (\$81,500), and additional demand for the Employee Benefits Software maintenance (\$70,000), offset by the reduced demand for Wi-Fi controllers and wireless access points (\$35,000) and various software licenses and maintenance fees including iPacs (\$33,400) and Primavera (\$33,000).

| 101 27000 | Fund: Corporate Department: Information Technology | LINE ITEM ANALYSIS | | | | | | |
|---------------------------------|---|--------------------|---------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--|--|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 7,453,834 | \$ 8,720,000 | \$ 8,720,000 | \$ 7,524,100 | \$ 8,755,800 | \$ 8,755,800 | \$ 9,095,200 |
| 601060 | Compensation Plan Adjustments | 156,782 | 245,800 | 245,800 | 40,900 | 190,500 | 190,500 | 195,000 |
| 601070 | Social Security and Medicare Contributions | 104,616 | 128,900 | 128,900 | 103,700 | 126,600 | 126,600 | 126,600 |
| 601100 | Tuition and Training Payments | 11,725 | 35,000 | 35,000 | 18,000 | 39,500 | 39,500 | 39,500 |
| 100 | TOTAL PERSONAL SERVICES | 7,726,957 | 9,129,700 | 9,129,700 | 7,686,700 | 9,112,400 | 9,112,400 | 9,456,300 |
| 612010 | Travel | — | 2,000 | 2,000 | 600 | 2,000 | 2,000 | 2,000 |
| 612030 | Meals and Lodging | — | 5,000 | 5,000 | 800 | 5,000 | 5,000 | 5,000 |
| 612040 | Postage, Freight, and Delivery Charges | 705 | 1,500 | 1,500 | 600 | 1,500 | 1,500 | 1,500 |
| 612050 | Compensation for Personally- Owned Automobiles | 1,044 | 1,500 | 1,500 | 800 | 1,500 | 1,500 | 1,500 |
| 612210 | Communication Services | 2,095,378 | 2,523,100 | 2,523,100 | 1,738,000 | 2,512,800 | 2,512,800 | 2,427,600 |
| 612330 | Rental Charges | 85,200 | 100,000 | 100,000 | 85,200 | 180,000 | 181,500 | 266,700 |
| 612430 | Payments for Professional Services | 118,492 | 1,578,200 | 1,058,700 | 495,200 | 1,375,500 | 1,375,500 | 1,400,300 |
| 612490 | Contractual Services, N.O.C. | 464 | 10,000 | 10,000 | 2,400 | 10,000 | 10,000 | 10,000 |
| 612810 | Computer Equipment Maintenance | 191,503 | 675,000 | 724,500 | 590,800 | 349,800 | 349,800 | 349,800 |
| 612820 | Computer Software Maintenance | 4,489,109 | 5,054,800 | 5,054,800 | 4,140,900 | 5,519,600 | 5,559,600 | 5,545,100 |
| 612840 | Communications Equipment Maintenance (Includes Software) | 689,970 | 797,800 | 797,800 | 670,000 | 833,500 | 833,500 | 833,500 |
| 200 | TOTAL CONTRACTUAL SERVICES | 7,671,865 | 10,748,900 | 10,278,900 | 7,725,300 | 10,791,200 | 10,832,700 | 10,843,000 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | — | 18,500 | 18,500 | 1,200 | 11,500 | 11,500 | 11,500 |
| 623800 | Computer Software | 137,158 | 226,600 | 226,600 | 185,300 | 219,800 | 219,800 | 243,000 |
| 623810 | Computer Supplies | 206,251 | 956,000 | 1,426,000 | 1,102,000 | 916,000 | 916,000 | 916,000 |
| 623850 | Communications Supplies | 61,774 | 175,400 | 204,400 | 181,000 | 349,900 | 308,400 | 274,900 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 405,183 | 1,376,500 | 1,875,500 | 1,469,500 | 1,497,200 | 1,455,700 | 1,445,400 |
| 634810 | Computer Equipment | 51,461 | 1,215,000 | 1,215,000 | 1,116,300 | 1,045,000 | 1,045,000 | 1,045,000 |
| 634840 | Communications Equipment (Includes Software) | — | 50,000 | 21,000 | 20,600 | 105,800 | 105,800 | 105,800 |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 51,461 | 1,265,000 | 1,236,000 | 1,136,900 | 1,150,800 | 1,150,800 | 1,150,800 |
| TOTAL INFORMATION TECHNOLOGY | | \$ 15,855,466 | \$ 22,520,100 | \$ 22,520,100 | \$ 18,018,400 | \$ 22,551,600 | \$ 22,551,600 | \$ 22,895,500 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

| Fund: Corporate Dept: Information Technology | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 270 | Executive Division | | | | | |
| 271 | Executive Section | | | | | |
| EX17 | Director of Information Technology | 1 | 1 | | 1 | |
| EX06 | Secretary to Officer | 1 | 1 | | 1 | |
| HP16 | Senior Budget & Management Analyst | 1 | — | | — | |
| TOTAL 271 | Executive Section | 3 | 2 | 371,341 | 2 | 386,195 |
| 275 | Project Management Office Section | | | | | |
| HP19 | Project Management Office Manager | 1 | 1 | | 1 | |
| HP18 | Senior Project Manager | — | 1 | | 1 | |
| HP16 | Applications Administrator #2 (Project Manager) | 1 | 1 | | 1 | |
| HP16 | Project Manager | 1 | 1 | | 1 | |
| HP14 | Business Analyst | 1 | 1 | | 1 | |
| TOTAL 275 | Project Management Office Section | 4 | 5 | 649,644 | 5 | 694,569 |
| TOTAL 270 | Executive Division | 7 | 7 | 1,020,985 | 7 | 1,080,764 |
| 280 | Enterprise Infrastructure Division - MOB | | | | | |
| 281 | Enterprise Infrastructure Administration Section - MOB | | | | | |
| HP20 | Assistant Director of Information Technology | 1 | 2 | | 2 | |
| HP19 | Information Technology Manager | 2 | 2 | | 2 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 281 | Enterprise Infrastructure Administration Section - MOB | 4 | 5 | 764,014 | 5 | 771,604 |
| 282 | Network Management Unit - MOB | | | | | |
| HP18 | Senior Systems Administrator | 1 | 1 | | 1 | |
| HP18 | Senior Systems Administrator #1 | 1 | — | | — | |
| HP17 | Computer Systems Administrator #2 (Systems Administrator) (New Grade HP16) | 3 | 3 | | 3 | |
| HP17 | Senior Systems Programmer #2 (Systems Administrator) (New Grade HP16) | 1 | 1 | | 1 | |
| HP16 | Systems Administrator | 1 | 1 | | 1 | |
| TOTAL 282 | Network Management Unit - MOB | 7 | 6 | 892,948 | 6 | 935,085 |

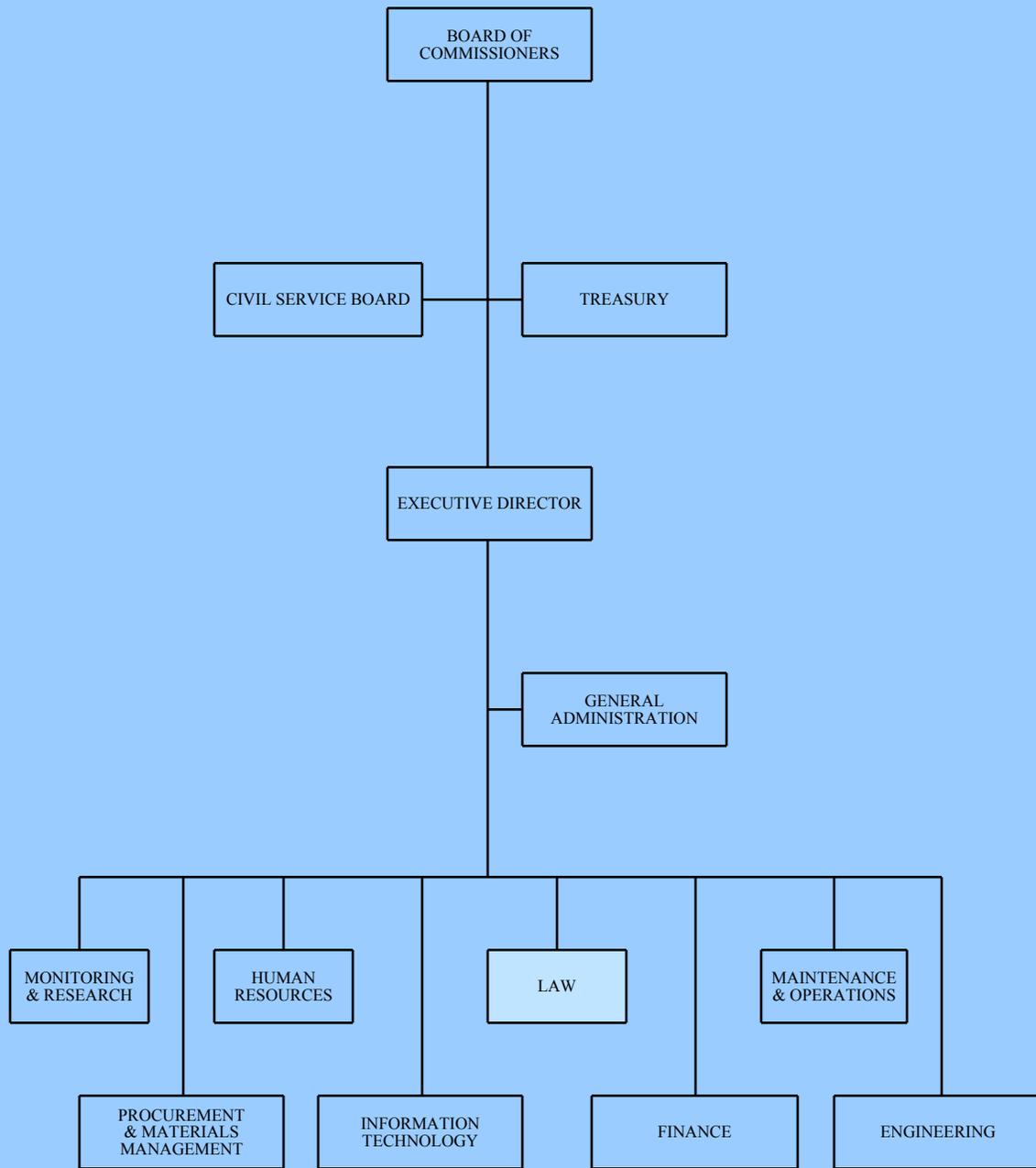
| Fund: Corporate Dept: Information Technology | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 283 | Network Infrastructure Unit - MOB | | | | | |
| HP18 | Senior Network Engineer | 1 | 1 | | 1 | |
| HP16 | Network Engineer | 4 | 3 | | 3 | |
| HP14 | Network Analyst | 1 | 2 | | 2 | |
| NR1541 | Telecommunications Specialist #1 | 1 | 1 | | 1 | |
| TOTAL 283 | Network Infrastructure Unit - MOB | 7 | 7 | 830,986 | 7 | 866,475 |
| 285 | IT Service Desk Unit - MOB | | | | | |
| HP15 | IT Support Coordinator | 1 | 1 | | 1 | |
| HP12 | Systems Support Specialist II #2 (IT Support Analyst I) (New Grade HP11) | 1 | 1 | | 1 | |
| HP11 | IT Support Analyst I | 2 | 2 | | 2 | |
| TOTAL 285 | IT Service Desk Unit - MOB | 4 | 4 | 334,603 | 4 | 372,896 |
| 286 | Desktop Engineering Unit - MOB | | | | | |
| HP18 | Senior Desktop Engineer | 1 | 1 | | 1 | |
| HP17 | Computer Systems Administrator #2 (Desktop Engineer) (New Grade HP16) | 2 | 2 | | 2 | |
| HP16 | Desktop Engineer | — | 1 | | 1 | |
| HP15 | Computer Systems Coordinator #2 (Desktop Analyst) (New Grade HP14) | 1 | 1 | | 1 | |
| TOTAL 286 | Desktop Engineering Unit - MOB | 4 | 5 | 696,740 | 5 | 724,610 |
| 287 | Audio Visual Services Unit - MOB | | | | | |
| HP16 | A/V Administrator | 1 | 2 | | 2 | |
| HP14 | A/V Analyst | 1 | 1 | | 1 | |
| TOTAL 287 | Audio Visual Services Unit - MOB | 2 | 3 | 339,099 | 3 | 347,680 |
| 288 | IT Field Service Unit - MOB | | | | | |
| HP18 | Senior Computer Systems Administrator #2 (IT Support Coordinator) (New Grade HP15) | 1 | 1 | | 1 | |
| HP15 | Computer Systems Coordinator #2 (IT Support Analyst II) (New Grade HP13) | 2 | 1 | | 1 | |
| HP13 | IT Support Analyst II | 4 | 6 | | 6 | |
| TOTAL 288 | IT Field Service Unit - MOB | 7 | 8 | 804,844 | 8 | 857,823 |

| Fund: Corporate Dept: Information Technology | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 289 | IT Security & Governance Unit - MOB | | | | | |
| HP18 | Senior IT Security Administrator | 1 | 2 | | 2 | |
| HP16 | IT Security Administrator | — | 1 | | 1 | |
| TOTAL 289 | IT Security & Governance Unit - MOB | 1 | 3 | 407,127 | 3 | 423,412 |
| TOTAL 280 | Enterprise Infrastructure Division - MOB | 36 | 41 | 5,070,360 | 41 | 5,299,584 |
| 290 | Enterprise Applications Division - MOB | | | | | |
| 291 | Enterprise Applications Administration Section - MOB | | | | | |
| HP19 | Information Technology Manager | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 291 | Enterprise Applications Administration Section - MOB | 2 | 2 | 236,462 | 2 | 226,778 |
| 292 | Business Applications Unit - MOB | | | | | |
| HP18 | Senior Applications Administrator | 1 | 1 | | 1 | |
| HP17 | Webmaster #1 | 1 | 1 | | 1 | |
| HP16 | Applications Administrator | 1 | 2 | | 2 | |
| HP14 | Applications Analyst | 1 | 1 | | 1 | |
| TOTAL 292 | Business Applications Unit - MOB | 4 | 5 | 667,195 | 5 | 693,882 |
| 293 | ERP Support Unit - MOB | | | | | |
| HP17 | Senior Systems Programmer #1 | 2 | 2 | | 2 | |
| HP16 | Applications Administrator | 1 | 1 | | 1 | |
| TOTAL 293 | ERP Support Unit - MOB | 3 | 3 | 437,808 | 3 | 455,320 |
| 294 | Enterprise GIS Support Unit - MOB | | | | | |
| HP18 | Senior Applications Administrator | 1 | 1 | | 1 | |
| HP16 | Applications Administrator | — | 1 | | 1 | |
| HP16 | Applications Administrator #2 (GIS Analyst) (New Grade HP14) | 1 | 1 | | 1 | |
| HP14 | GIS Analyst | 1 | 1 | | 1 | |
| TOTAL 294 | Enterprise GIS Support Unit - MOB | 3 | 4 | 514,297 | 4 | 534,869 |

| Fund: Corporate Dept: Information Technology | | POSITION ANALYSIS | | | | |
|---|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 295 | Applications Development Unit - MOB | | | | | |
| HP18 | Senior Applications Developer | 1 | 1 | | 1 | |
| HP16 | Applications Developer | 1 | 1 | | 1 | |
| HP14 | Applications Analyst | 1 | 1 | | 1 | |
| TOTAL 295 | Applications Development Unit - MOB | 3 | 3 | 388,120 | 3 | 403,645 |
| 296 | Enterprise Database Support Unit - MOB | | | | | |
| HP18 | Senior Database Administrator | 1 | 1 | | 1 | |
| HP16 | Database Administrator | 2 | 2 | | 2 | |
| TOTAL 296 | Enterprise Database Support Unit - MOB | 3 | 3 | 428,537 | 3 | 445,678 |
| TOTAL 290 | Enterprise Applications Division - MOB | 18 | 20 | 2,672,418 | 20 | 2,760,172 |
| TOTAL | Information Technology | 61 | 68 | 8,763,764 | 68 | 9,140,519 |

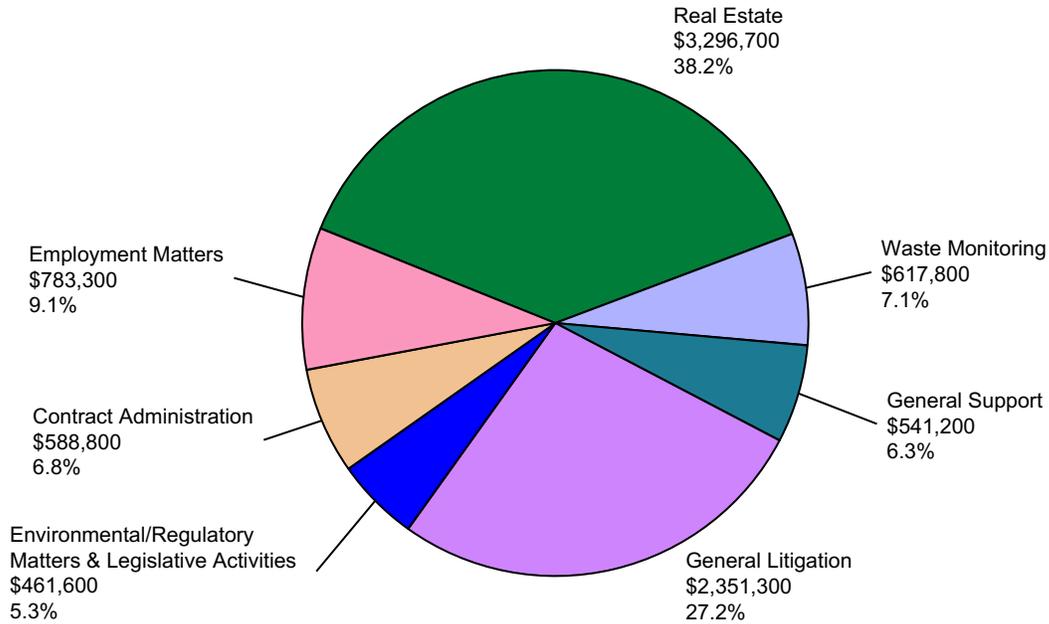
NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

NOTE PAGE

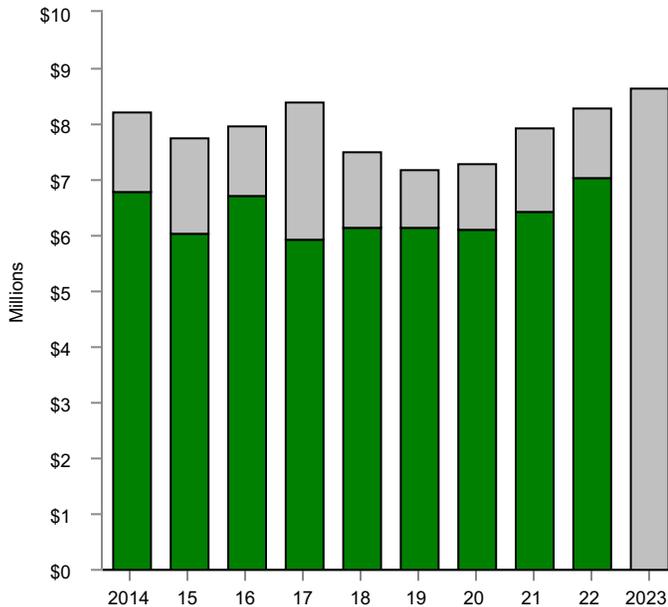


LAW FUNCTIONS

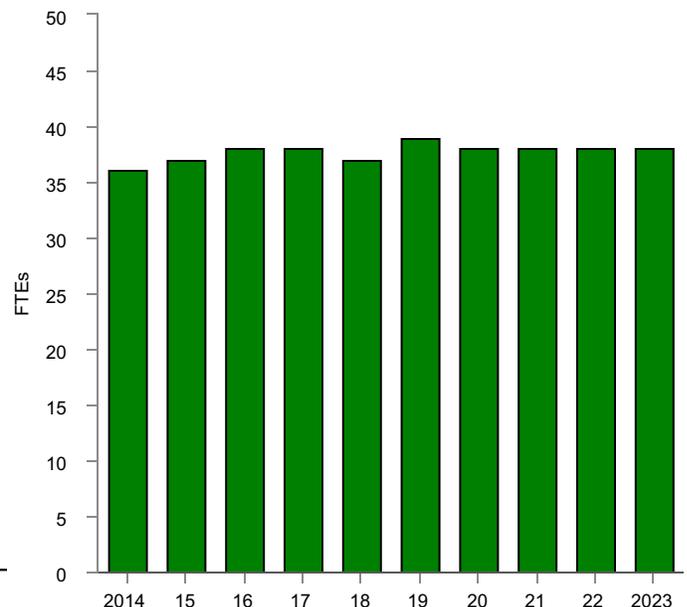
| | |
|----------|-------------|
| 2023 | \$8,640,700 |
| 2022 | \$8,284,300 |
| Increase | \$356,400 |



APPROPRIATIONS & EXPENDITURES



BUDGETED FTE POSITIONS

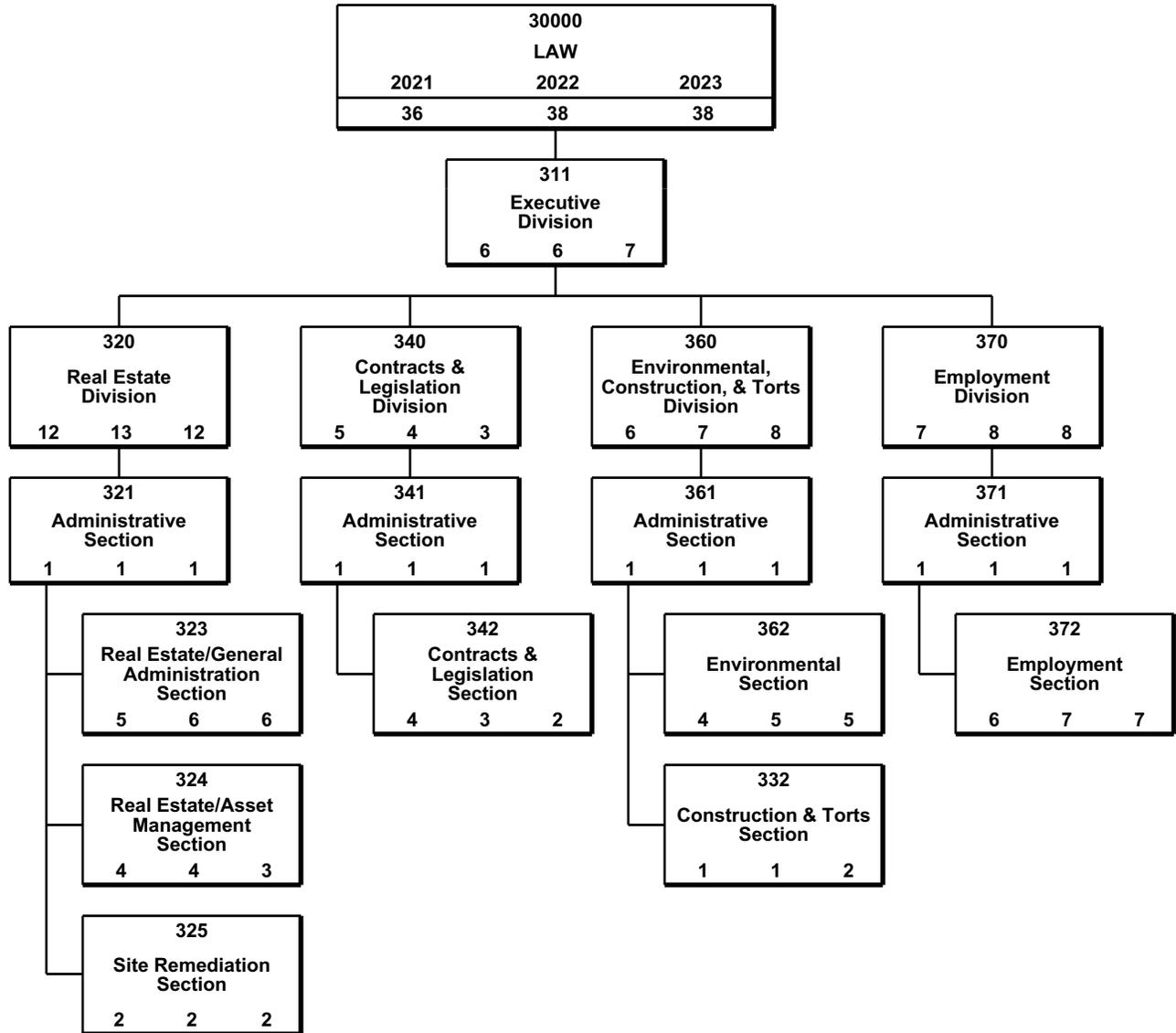


2022 Expenditures are estimated

EXPENDITURES
 APPROPRIATIONS

2018 - Decrease is due to the settlement of the Natural Resources Defense Council, Inc. suit.
2021 - Increase is due to the transfer of the Site Remediation Section from the Maintenance & Operations Department.

LAW



LAW

The mission of the Law Department is to provide high quality cost-effective legal counsel, representation, litigation and transactional services, and real estate administration services to the District.

Departmental Summary

The Law Department's primary responsibilities include:

- Providing legal counsel to the Board of Commissioners, Executive Director, and Officers of the District;
- Working with other departments to implement initiatives;
- Ensuring compliance with laws, regulations, and ordinances applicable to the District;
- Performing all necessary legal actions regarding environmental, tort, contract, financial, employment, municipal, and real estate matters;
- Representing the District in administrative hearings, arbitration, and litigation at the trial and appellate levels in state and federal courts;
- Administering approximately 24,000 acres of District real estate;
- Representing the District's legislative interests with the Illinois General Assembly, including drafting, introducing, testifying on, and passing legislation as necessary, and protecting the District's interests against adversarial legislation.

Summary of 2022 Major Accomplishments

- Finalized intergovernmental agreements with over 20 governmental entities for stormwater projects;
- Engaged with local municipalities to use District parcels for open space and natural habitat revitalization including sites in the City of Chicago, Worth, Riverdale, Skokie, Summit, Lemont, and Romeoville;
- Developed a Land Use Criteria Policy and Environmental Justice Policy for adoption by the Board of Commissioners;
- Began a Law Department seminar series for professional development;
- Obtained passage of House Bill 4677 through the Illinois General Assembly and signature by the Governor into Public Act 102-0707, authorizing the District to issue up to \$600 million in pension obligation bonds;
- Obtained passage of House Bill 5316 through the Illinois General Assembly and signature by the Governor into Public Act 102-0808, authorizing the District's Board of Commissioners to appoint an Inspector General or enter into an intergovernmental agreement with another unit of local government for the appointment of an Inspector General.

2023 Appropriation and Position Summary

The 2023 appropriation for the Law Department is \$8,640,700, an increase of \$356,400, or 4.3 percent, from 2022. The staffing level remains unchanged at 38 positions with the addition of a Principal Attorney position and a Senior Attorney position, offset by a drop of a Senior Legal Assistant position and a Legal Assistant position.

2023 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Resource Management, maintaining a high level of performance on the core mission of protecting the public health and area waterways while exploring opportunities to recover, reuse, and monetize resources.

Maintain high level of permit compliance as requirements evolve, continue efforts to improve water quality

- The Law Department continues to work with the Maintenance & Operations Department to steer the chlorides work group that was created to bring together dischargers and other interested participants to address ways to reduce chlorides in the Chicago Area Waterway System.

Pursue resource recovery opportunities to increase sustainability and recover costs

- The Law Department assists operating departments with implementation and administration of the District's Resource Recovery Program. The ordinance outlines the District's program to sell or otherwise dispose of recovered resources or renewable energy resources resulting from the operation of District facilities. The Law Department provides counsel and support in connection with various renewable energy initiatives as well as efforts to beneficially reuse biosolids, a byproduct of the District's wastewater treatment operations, and obtaining high strength organic waste to aid in the biological removal of phosphorus from the District's effluent water.

The following budget highlights support the District's Strategic Plan Goal of Stormwater Management to mitigate flooding across Cook County.

Develop comprehensive framework to guide proactive implementation of stormwater solutions across Cook County

- The Environmental, Construction, & Torts Division drafts any necessary amendments to and provides counsel on the District's Watershed Management Ordinance. This Division is also responsible for all variance petitions and enforcement actions under the Watershed Management Ordinance and actively participates in technical advisory committee meetings.

Partner with local communities to significantly increase stormwater management projects

- The Environmental, Construction, & Torts Division assists in the review and negotiation of intergovernmental agreements with municipalities to establish the legal framework for regional and local stormwater management projects and flood-prone property acquisitions. Staff participates in informational meetings with local communities to explain and answer questions about the District’s legal requirements for participation in Green Infrastructure projects.
- The Real Estate Division assists in the right-of-way acquisition for stormwater projects, including the Addison Creek Channel Improvement Project, the Flood Control Project on Midlothian Creek in Robbins and Worth Woods in Worth, the Streambank Stabilization on Melvina Ditch, and the 135th Street Flood Mitigation Project in Crestwood.

The following budget highlights support the District's Strategic Plan Goal of Enterprise Resilience, ensuring ongoing services that are reliable, equitable, and cost-effective, while strengthening the MWRD's operational and financial positions.

Standardize operations - streamline and automate internal processes, scale lessons learned from pandemic response

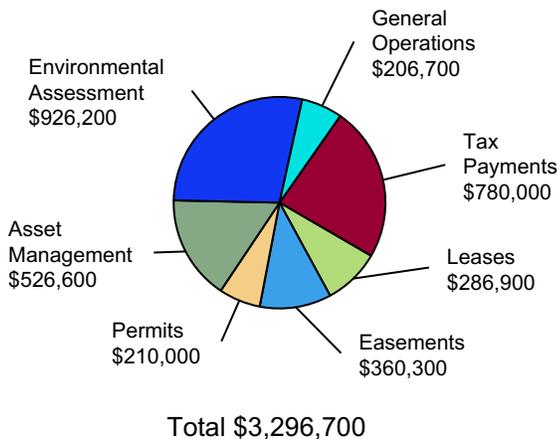
- The Law Department uses technology to ensure reliable and cost effective legal representation for the District. Incorporating lessons learned throughout the COVID-19 global pandemic, the Law Department enhanced the use of an electronic Legal Files Document and Case Management System. Relevant data is shared with the Human Resources Department’s Risk Management Information System. This data is essential for analysis and reporting on risk arising from the litigation of claims. During 2022, the Law Department continued its use of an electronic discovery hosting software solution to meet litigation needs. This solution allows the District to meet its legal obligations by collecting, cataloging, and sharing all documents relevant to any active litigation matters.

Maintain strong fiscal management, identify and leverage opportunities for cost reduction and cost recovery

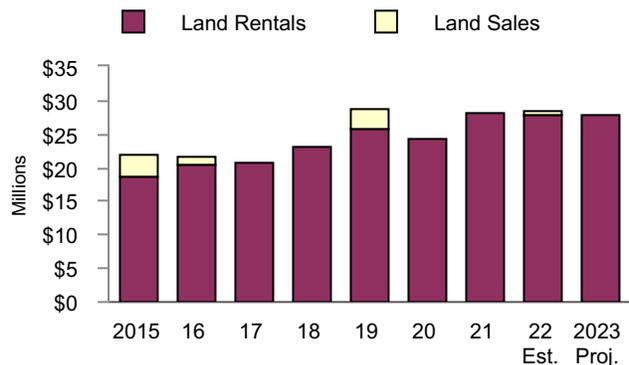
- The District currently owns approximately 24,000 acres of land located in Cook, Will, DuPage, and Fulton Counties in Illinois, about half of which are adjacent to the 76.1 miles of navigable waterways it helps manage, including the Cal-Sag Channel, Chicago Sanitary and Ship Canal (Main Channel), and the North Shore Channel. The majority of the District's land holdings are dedicated to corporate purposes, but approximately 5,000 acres in Cook, DuPage, and Will County are leased to other parties.
- The District pursues a multi-pronged approach that prioritizes public access and recreation opportunities. Approximately 80 percent of leased land is held by other governmental agencies (park districts, municipalities, and forest preserve districts) for the express purpose of enhancing public access to parks, hiking and bicycle trails, and passive recreational use along the waterways.

The remaining parcels are leased to private parties for industrial and business purposes. The District requires and encourages that lessees incorporate Green Infrastructure into leases whenever possible, improve the aesthetics, and ensure the protection of District lands. The District’s rental revenues are projected to increase annually over the next four years, while efforts to re-lease expired and remediated leaseholds at higher rentals continue.

2023 Real Estate Program Budget



**Real Estate Income
Land Sales, Leases, Easements, & Permits**



Land Sale Details
 2015 - 4.2 acres sold to the IL State Toll Highway Authority
 2016 - 4.4 acres sold to the City of Chicago
 2019 - 17.2 acres sold to the IL State Toll Highway Authority
 2022 - 4.3 acres sold to the IL State Toll Highway Authority

30000 LAW

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|--|---------------------|----------------|
| 1. Provide prosecution, defense, and appellate services in litigation. Provide other direct legal services and counseling, as necessary, to the Board of Commissioners, the Executive Director, and the Officers of the District to further the corporate purposes and protect the interests of the District. | \$ 2,351,300 | 27.2 % |
| 2. Handle all legal environmental matters and monitor all state legislation and legislative activities. | \$ 461,600 | 5.3 % |
| 3. Provide legal services regarding employment-related matters such as civil service matters, employment discrimination law, labor relations, and labor arbitration. | \$ 783,300 | 9.1 % |
| 4. Provide for the administration of all vacant and unoccupied District real estate; administer the leasing and disposition or other use of District real estate when not presently needed for its corporate purposes; assist in and administer the acquisition of right-of-way for District construction and capital improvement projects and other corporate uses; administer environmental and remediation activities; supervise real estate tax litigation; provide assistance in developing and processing the real estate agenda for meetings of the Board of Commissioners. | \$ 3,296,700 | 38.2 % |
| <p>Through its leasing and easement activities, the Real Estate Division will generate approximately \$28.0 million in income in 2023.</p> | | |
| 5. Provide legal services to ensure the proper disposal of wastes through the sewer systems in the Chicagoland area; oversee the diversion of water from Lake Michigan for water quality; provide legal representation, counseling, and administrative support in connection with enforcement of the Sewage and Waste Control Ordinance, Watershed Management Ordinance, and User Charge Ordinance of the District; provide legal services for flood mitigation projects contracted with other governments and stormwater-related land and easement activities. | \$ 617,800 | 7.1 % |
| 6. Review proposed contracts, execute awarded contracts, review bond surety, and insurance matters. | \$ 588,800 | 6.8 % |
| 7. All costs pertaining to the duties of the Clerk's Office, including Board proceedings, agenda and legislative actions, and executive functions of the departments, as well as process Freedom of Information Act requests for the District and participate in budget preparation and monitoring activities for the department. | \$ 541,200 | 6.3 % |
| Totals | \$ 8,640,700 | 100.0 % |

30000 LAW

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | | |
|-----------------------|--|--------------|----------|---------|--------------|------------|-------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | | |
| 4300 | Stormwater Management | \$ 293,936 | 2023 | 3 | \$ 392,500 | \$ 67,400 | 20.7 | a) |
| | | | 2022 | 2 | \$ 325,100 | | | |
| 4660 | Waste Monitoring | \$ 208,232 | 2023 | 1 | \$ 225,300 | \$ 5,100 | 2.3 | |
| | | | 2022 | 1 | \$ 220,200 | | | |
| 7000 | General Support (excluding program numbers 7350 - 7369 and 7604) | \$ 529,823 | 2023 | 3 | \$ 541,200 | \$ 3,800 | 0.7 | |
| | | | 2022 | 3 | \$ 537,400 | | | |
| 7350 | General Legal Matters | \$ 2,641,202 | 2023 | 19 | \$ 4,097,100 | \$ 223,700 | 5.8 | b) |
| | | | 2022 | 19 | \$ 3,873,400 | | | |
| 7360 | Real Estate Operations | \$ 2,694,323 | 2023 | 12 | \$ 3,296,700 | \$ 53,300 | 1.6 | |
| | | | 2022 | 13 | \$ 3,243,400 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 73,184 | 2023 | — | \$ 87,900 | \$ 3,100 | 3.7 | |
| | | | 2022 | — | \$ 84,800 | | | |
| Totals | | \$ 6,440,700 | 2023 | 38 | \$ 8,640,700 | \$ 356,400 | 4.3 % | |
| | | | 2022 | 38 | \$ 8,284,300 | | | |

a) Increase is due to the addition of one FTE position (\$49,700).

b) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$173,400).

30000 LAW

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|---|-----------|--------------|---------------|----------------|----|
| 4300 | Stormwater Management | | | | | |
| | Provide Legal Representation and Administrative Support for: | | | | | |
| 4324 | Watershed Management Ordinance Administration | Cost | \$ 44,070 | \$ 42,600 | \$ 60,200 | a) |
| 4344 | Flood Mitigation Projects Contracted with Other Governments | Cost | \$ 102,036 | \$ 177,700 | \$ 220,400 | b) |
| 4345 | Land and Easements (Stormwater) | Cost | \$ 147,830 | \$ 104,800 | \$ 111,900 | |
| 4660 | Waste Monitoring | | | | | |
| | Provide Legal Representation and Administrative Support for: | | | | | |
| 4662 | User Charge Ordinance - Tax-Exempt Users | Cases | 2 | — | — | |
| | | Cost | \$ 17,636 | \$ — | \$ — | |
| | | Cost/Case | \$ 8,818.00 | \$ — | \$ — | |
| 4663 | User Charge - Large Commercial/Industrial Users | Cases | 10 | 20 | 20 | |
| | | Cost | \$ 132,511 | \$ 157,800 | \$ 158,300 | |
| | | Cost/Case | \$ 13,251.10 | \$ 7,890.00 | \$ 7,915.00 | |
| 4666 | Sewage and Waste Control Ordinance - Significant Industrial Users Minimum Regulatory Requirement Activities | Cases | — | 15 | 10 | c) |
| | | Cost | \$ — | \$ 62,400 | \$ 67,000 | |
| | | Cost/Case | \$ — | \$ 4,160 | \$ 6,700 | |
| 4667 | Sewage and Waste Control Ordinance - Significant Industrial Users | Cases | 2 | — | — | |
| | | Cost | \$ 58,085 | \$ — | \$ — | |
| | | Cost/Case | \$ 29,042.50 | \$ — | \$ — | |
| 7000 | General Support (excluding program numbers 7350 - 7369 and 7604) | Cost | \$ 529,823 | \$ 537,400 | \$ 541,200 | |
| 7350 | General Legal Matters | | | | | |
| | Provide Prosecution and Defense Services to Protect the Interests of the District: | | | | | |
| 7351 | Legislative | Cost | \$ 173,598 | \$ 137,700 | \$ 148,500 | |
| 7352 | Financial Matters | Cost | \$ 109,013 | \$ 124,200 | \$ 131,300 | |
| 7353 | Environmental and Regulatory Matters | Cost | \$ 364,868 | \$ 297,100 | \$ 313,100 | |
| 7354 | Contract Administration | Cost | \$ 496,497 | \$ 464,800 | \$ 588,800 | d) |
| 7355 | Litigation | Cost | \$ 990,039 | \$ 1,937,900 | \$ 1,938,400 | |

a) Increase is due to the addition of one FTE position (\$16,600).

b) Increase is due to the addition of one FTE position (\$33,100).

c) Decrease is due to the Recorder of Deed's Office allowing the District to group previously separate cases for a user, under the User Charge Ordinance and under the Sewage & Waste Control Ordinance, as one case, to record liens more efficiently.

d) Increase is due to the addition of one FTE position (\$82,800).

30000 LAW

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|--|---------------|--------------|---------------|----------------|----|
| 7356 | Employment Matters | Cost | \$ 397,204 | \$ 715,400 | \$ 783,300 | |
| 7359 | General Legal Services | Cost | \$ 109,983 | \$ 196,300 | \$ 193,700 | |
| 7360 | Real Estate Operations Provide Administration of All District Land: | | | | | |
| 7361 | Real Estate Leases - Administration of Leases and Granting of Leases | Leases | 190 | 203 | 192 | |
| | | Cost | \$ 218,869 | \$ 242,400 | \$ 286,900 | e) |
| | | Cost/Lease | \$ 1,151.94 | \$ 1,194.09 | \$ 1,494.27 | |
| 7362 | Real Estate Easements - Administration of Easements and Granting of New Easements | Easements | 416 | 426 | 416 | |
| | | Cost | \$ 290,787 | \$ 378,100 | \$ 360,300 | |
| | | Cost/Easement | \$ 699.01 | \$ 887.56 | \$ 866.11 | |
| 7363 | Real Estate Permits - Administration of Permits and Granting of New Permits | Permits | 54 | 69 | 57 | f) |
| | | Cost | \$ 213,834 | \$ 266,900 | \$ 210,000 | g) |
| | | Cost/Permit | \$ 3,959.89 | \$ 3,868.12 | \$ 3,684.21 | |
| 7367 | Real Estate Asset Management - Administer Plan to Increase Revenue by Lease/Sale of Real Estate Holdings | Cost | \$ 413,978 | \$ 451,700 | \$ 526,600 | h) |
| 7368 | Real Estate Environmental Assessment - Administer Activities Related to Environmental Assessment and Remediation of Real Estate Holdings | Cost | \$ 683,850 | \$ 938,800 | \$ 926,200 | |
| 7369 | Other Real Estate Operations, Including Development of Agenda, Providing Information, Tax Litigation, and Support Services to the Board of Commissioners | Cost | \$ 179,651 | \$ 202,500 | \$ 206,700 | |
| | Payment of Real Estate Taxes | Cost | \$ 693,354 | \$ 763,000 | \$ 780,000 | |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 73,184 | \$ 84,800 | \$ 87,900 | |
| | Totals | | \$ 6,440,700 | \$ 8,284,300 | \$ 8,640,700 | |

e) Increase is due to the addition of one FTE position (\$54,200).
 f) Decrease is due to post pandemic permit activity expected to be higher than normal in 2022.
 g) Decrease is due to the drop of one FTE position (\$69,400).
 h) Increase is due to the addition of one FTE position (\$54,200).

| 101 30000 | Fund: Corporate Department: Law | LINE ITEM ANALYSIS | | | | | | |
|------------------|---|---------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 5,222,626 | \$ 5,791,200 | \$ 5,791,200 | \$ 5,473,800 | \$ 5,968,000 | \$ 5,968,000 | \$ 6,207,200 |
| 601060 | Compensation Plan Adjustments | 306 | 133,900 | 133,900 | 26,000 | 124,500 | 124,500 | 127,200 |
| 601070 | Social Security and Medicare Contributions | 73,184 | 84,800 | 84,800 | 77,600 | 87,900 | 87,900 | 87,900 |
| 601100 | Tuition and Training Payments | 8,905 | 16,100 | 16,100 | 5,500 | 16,600 | 16,600 | 16,600 |
| 100 | TOTAL PERSONAL SERVICES | 5,305,020 | 6,026,000 | 6,026,000 | 5,582,900 | 6,197,000 | 6,197,000 | 6,438,900 |
| 612010 | Travel | 176 | 5,400 | 5,400 | 1,000 | 5,400 | 5,400 | 5,400 |
| 612030 | Meals and Lodging | 479 | 13,800 | 13,800 | 5,200 | 13,800 | 13,800 | 13,800 |
| 612040 | Postage, Freight, and Delivery Charges | 547 | 900 | 1,400 | 1,000 | 900 | 900 | 900 |
| 612050 | Compensation for Personally-Owned Automobiles | 242 | 5,100 | 4,600 | 1,800 | 5,100 | 5,100 | 5,100 |
| 612090 | Reprographic Services | 15,923 | 12,000 | 12,000 | 1,000 | 7,000 | 7,000 | 7,000 |
| 612250 | Court Reporting Services | 1,911 | 27,000 | 37,000 | 56,000 | 50,000 | 50,000 | 50,000 |
| 612410 | Governmental Service Charges | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| 612430 | Payments for Professional Services | 296,843 | 1,230,600 | 1,220,600 | 524,000 | 1,139,200 | 1,139,200 | 1,139,200 |
| 612490 | Contractual Services, N.O.C. | 56,655 | 102,600 | 102,600 | 66,500 | 102,400 | 102,400 | 102,400 |
| 612520 | Waste Material Disposal Charges | 52,640 | 70,000 | 70,000 | 60,500 | 78,000 | 78,000 | 78,000 |
| 612780 | Safety Repairs and Services | 2,628 | 8,000 | 8,000 | 2,600 | — | — | — |
| 200 | TOTAL CONTRACTUAL SERVICES | 428,544 | 1,475,900 | 1,475,900 | 720,100 | 1,402,300 | 1,402,300 | 1,402,300 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 3,124 | 6,200 | 6,200 | 5,500 | 6,300 | 6,300 | 6,300 |
| 623720 | Books, Maps, and Charts | 10,478 | 13,000 | 13,000 | 11,200 | 13,000 | 13,000 | 13,000 |
| 623990 | Materials and Supplies, N.O.C. | — | 200 | 200 | — | 200 | 200 | 200 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 13,602 | 19,400 | 19,400 | 16,700 | 19,500 | 19,500 | 19,500 |
| 667130 | Taxes on Real Estate | 693,534 | 763,000 | 763,000 | 707,800 | 780,000 | 780,000 | 780,000 |
| 700 | TOTAL FIXED AND OTHER CHARGES | 693,534 | 763,000 | 763,000 | 707,800 | 780,000 | 780,000 | 780,000 |
| TOTAL LAW | | \$ 6,440,700 | \$ 8,284,300 | \$ 8,284,300 | \$ 7,027,500 | \$ 8,398,800 | \$ 8,398,800 | \$ 8,640,700 |

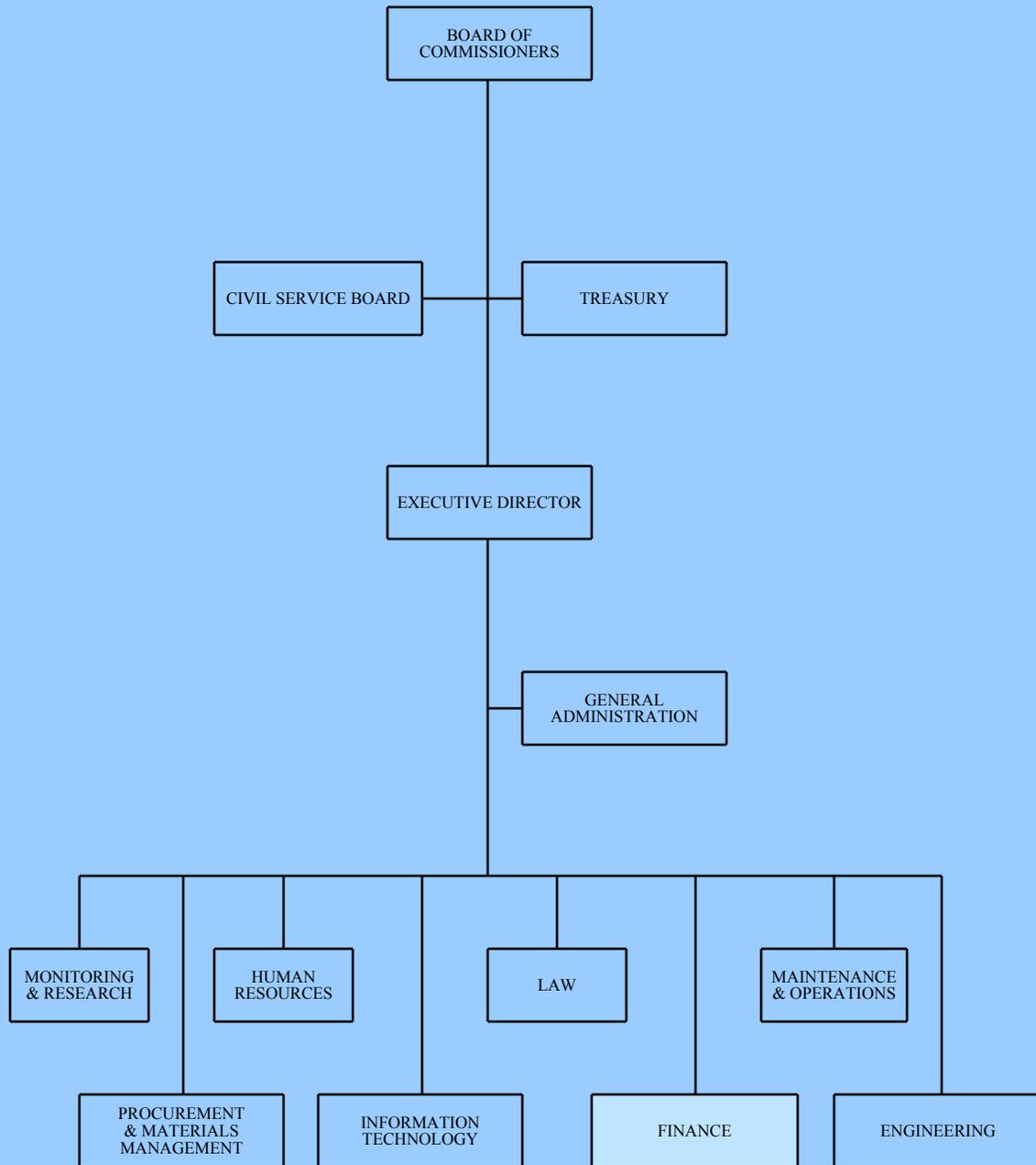
NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

| Fund: Corporate Dept: Law | | POSITION ANALYSIS | | | | |
|------------------------------|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 311 | Executive Office | | | | | |
| EX12 | General Counsel | 1 | 1 | | 1 | |
| HP23 | Deputy General Counsel | 1 | 1 | | 1 | |
| HP22 | Head Assistant Attorney | 1 | 1 | | 1 | |
| HP20 | Principal Attorney | 1 | 1 | | 1 | |
| EX06 | Secretary to Officer | 1 | 1 | | 1 | |
| HP13 | Legal Assistant | — | — | | 1 | |
| HP13 | Senior Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 311 | Executive Office | 6 | 6 | 1,148,249 | 7 | 1,316,443 |
| 320 | Real Estate Division | | | | | |
| 321 | Administrative Section | | | | | |
| HP22 | Head Assistant Attorney | 1 | 1 | | 1 | |
| TOTAL 321 | Administrative Section | 1 | 1 | 244,303 | 1 | 264,892 |
| 323 | Real Estate / General Administration Section | | | | | |
| HP20 | Principal Attorney | 1 | 1 | | 1 | |
| HP18 | Senior Attorney | 1 | 2 | | 3 | |
| HP15 | Senior Legal Assistant | 2 | 2 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 323 | Real Estate / General Administration Section | 5 | 6 | 797,063 | 6 | 847,231 |
| 324 | Real Estate / Asset Management Section | | | | | |
| HP18 | Senior Attorney | 1 | 1 | | 1 | |
| HP13 | Legal Assistant | 1 | 1 | | — | |
| HP13 | Senior Administrative Specialist | 2 | 2 | | 2 | |
| TOTAL 324 | Real Estate / Asset Management Section | 4 | 4 | 414,550 | 3 | 351,243 |
| 325 | Site Remediation Section | | | | | |
| HP20 | Engineer of Site Remediation | 1 | 1 | | 1 | |
| HP17 | Site Remediation Specialist | 1 | 1 | | 1 | |
| TOTAL 325 | Site Remediation Section | 2 | 2 | 369,203 | 2 | 383,971 |
| TOTAL 320 | Real Estate Division | 12 | 13 | 1,825,119 | 12 | 1,847,337 |

| Fund: Corporate Dept: Law | | POSITION ANALYSIS | | | | |
|------------------------------|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 340 | Contracts & Legislation Division | | | | | |
| 341 | Administrative Section | | | | | |
| HP22 | Head Assistant Attorney | 1 | 1 | | 1 | |
| TOTAL 341 | Administrative Section | 1 | 1 | 244,303 | 1 | 254,075 |
| 342 | Contracts & Legislation Section | | | | | |
| HP20 | Principal Attorney | 1 | 1 | | 1 | |
| HP18 | Senior Attorney | 2 | 1 | | 1 | |
| HP15 | Senior Legal Assistant | 1 | — | | — | |
| HP13 | Legal Assistant | — | 1 | | — | |
| TOTAL 342 | Contracts & Legislation Section | 4 | 3 | 411,920 | 2 | 359,652 |
| TOTAL 340 | Contracts & Legislation Division | 5 | 4 | 656,223 | 3 | 613,727 |
| 360 | Environmental, Construction, & Torts Division | | | | | |
| 361 | Administrative Section | | | | | |
| HP22 | Head Assistant Attorney | 1 | 1 | | 1 | |
| TOTAL 361 | Administrative Section | 1 | 1 | 223,503 | 1 | 243,260 |
| 362 | Environmental Section | | | | | |
| HP20 | Principal Attorney | 1 | 1 | | 1 | |
| HP18 | Senior Attorney | 2 | 2 | | 2 | |
| HP13 | Legal Assistant | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | — | 1 | | 1 | |
| TOTAL 362 | Environmental Section | 4 | 5 | 615,968 | 5 | 643,281 |
| 332 | Construction & Torts Section | | | | | |
| HP20 | Principal Attorney | — | — | | 1 | |
| HP18 | Senior Attorney | 1 | 1 | | 1 | |
| TOTAL 332 | Construction & Torts Section | 1 | 1 | 137,558 | 2 | 316,273 |
| TOTAL 360 | Environmental, Construction, & Torts Division | 6 | 7 | 977,030 | 8 | 1,202,813 |
| 370 | Employment Division | | | | | |
| 371 | Administrative Section | | | | | |
| HP22 | Head Assistant Attorney | 1 | 1 | | 1 | |
| TOTAL 371 | Administrative Section | 1 | 1 | 254,704 | 1 | 264,892 |
| 372 | Employment Section | | | | | |
| HP20 | Principal Attorney | 2 | 2 | | 2 | |

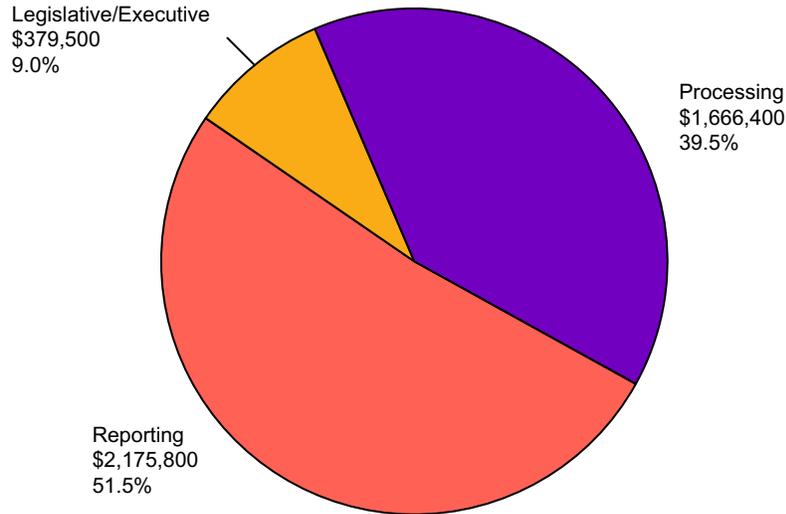
| Fund: Corporate Dept: Law | | POSITION ANALYSIS | | | | |
|------------------------------|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP18 | Senior Attorney | 3 | 3 | | 3 | |
| HP15 | Senior Legal Assistant | — | 1 | | 1 | |
| HP12 | Secretary #2 (Administrative Specialist) (New Grade HP11) | 1 | 1 | | — | |
| HP11 | Administrative Specialist | — | — | | 1 | |
| TOTAL 372 | Employment Section | 6 | 7 | 958,837 | 7 | 993,141 |
| TOTAL 370 | Employment Division | 7 | 8 | 1,213,541 | 8 | 1,258,033 |
| TOTAL | Law | 36 | 38 | 5,820,162 | 38 | 6,238,353 |

NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

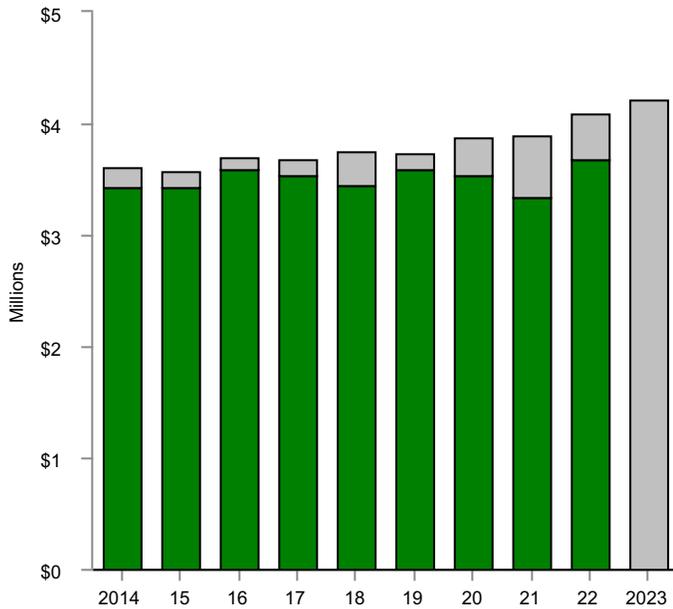


FINANCE FUNCTIONS

| | |
|----------|-------------|
| 2023 | \$4,221,700 |
| 2022 | \$4,081,800 |
| Increase | \$139,900 |



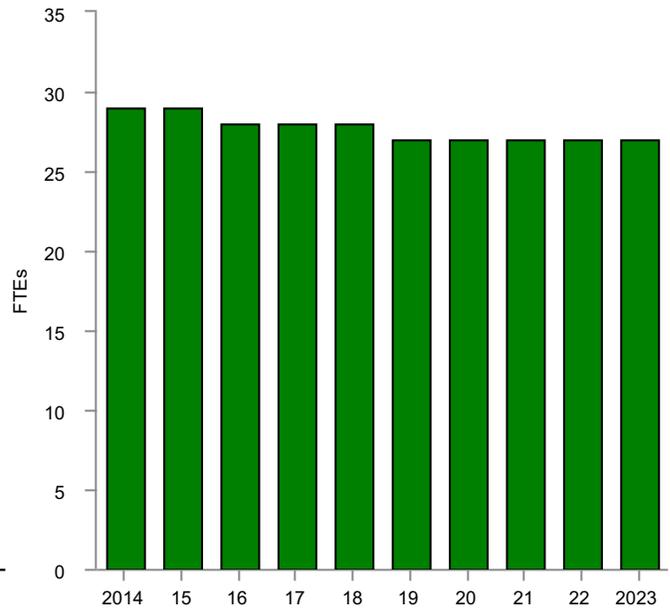
APPROPRIATIONS & EXPENDITURES



2022 Expenditures are estimated

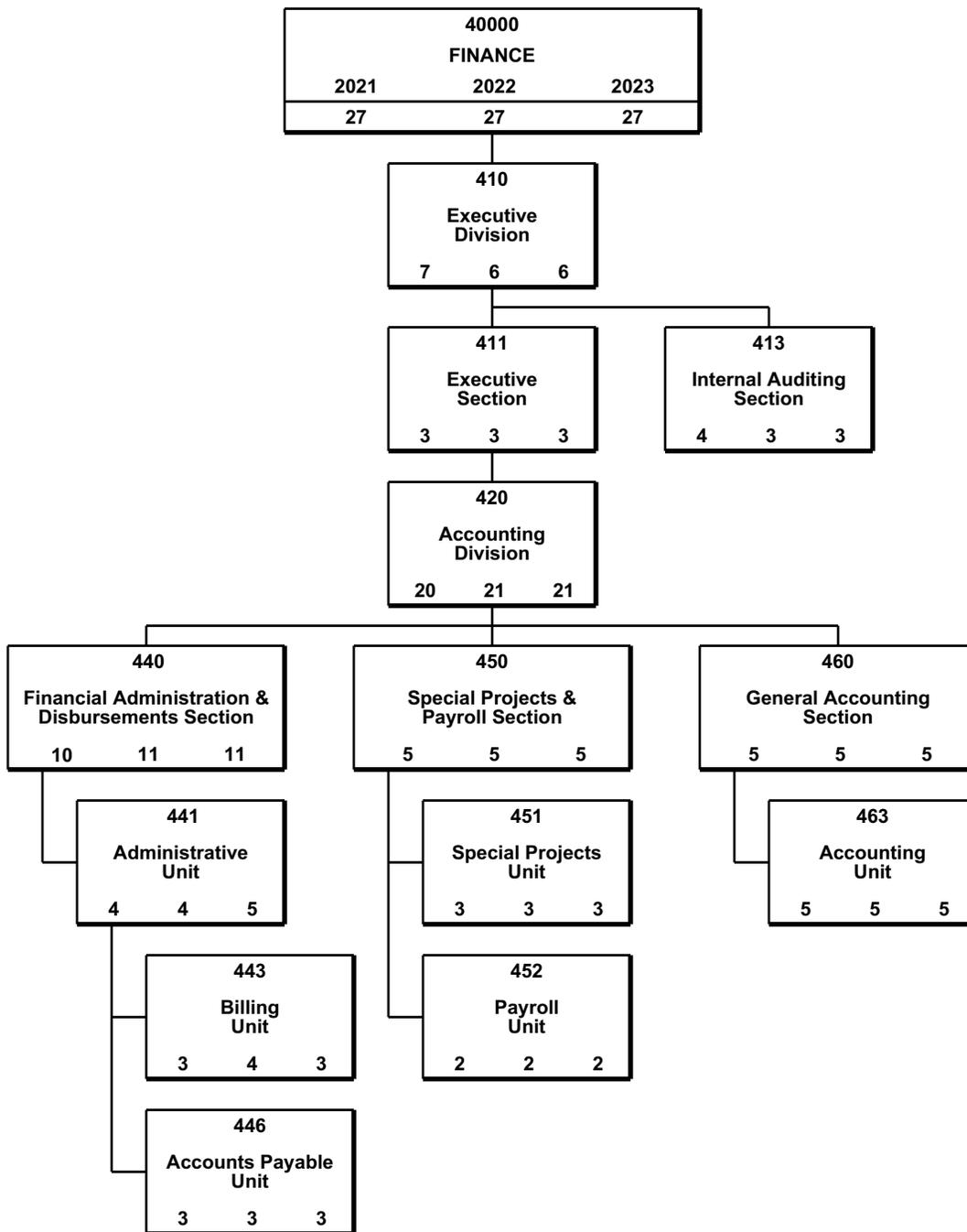
EXPENDITURES
 APPROPRIATIONS

BUDGETED FTE POSITIONS



2019 - The decrease is due to the automation of manual processes.

FINANCE



FINANCE

The mission of the Finance Department is to provide leadership in developing cost-saving strategies for transaction processing, optimize operations, provide reliable financial reports, and ensure compliance with all applicable statutes, regulations, professional standards, and policies for the benefit of Metropolitan Water Reclamation District stakeholders.

Departmental Summary

The Finance Department's primary responsibilities include:

- Auditing and reporting the District's financial information and auditing of operational performance, compliance, and internal controls;
- Processing the District's financial transactions including vendor payments, payroll, billing, and collection activities;
- Creating the Board of Commissioner's agenda and minutes as well as maintaining official records of the Board's legislative actions.

Central to the Finance Department's activities is the financial reporting function that includes a good framework of internal controls which mitigates system fraud and enables diverse users to readily assess the District's financial position and rely on results of its operations. Excellent bond ratings, external auditors' unmodified opinions, and Certificates of Achievement for Excellence in Financial Reporting demonstrate the effectiveness of the District's fiscal management and financial reporting excellence.

Summary of 2022 Major Accomplishments

- The District received an unmodified opinion from external auditors and was awarded the Government Finance Officers Association Certificate of Achievement for Excellence in Financial Reporting for the 2021 Annual Comprehensive Financial Report for the 47th consecutive year;
- Initiated an annual external audit and financial reporting for the District's Deferred Compensation 457 plan and implemented the GASB 87 lease accounting standards and related software;
- Developed real time fraud mitigation notification and verification process to protect against employee and vendor payment fraud;
- Continued initiative to convert paper payment and revenue collection methods to electronic methods: converted over 700 vendors and increased electronic payment methods to 75 percent. The District's electronic revenue collections rose to 23 percent and the move from paper invoices to electronic invoice increased to 85 percent;
- Training efforts have resulted in staff promotions of 41 percent over the past five years and equity and inclusion efforts have resulted in staff representation of over 67 percent minority and women representation;
- Completed internal audits consisting of 16 projects that reviewed internal control systems, procurement card expenditures, cost sharing agreements with other agencies, complex financial assessments of prospective District tenants and rental calculations for current tenants, monitored employee leave balances, and reviewed consultant contract compliance.

2023 Appropriation and Position Summary

The 2023 appropriation for the Finance Department is \$4,221,700, an increase of \$139,900, or 3.4 percent, from 2022. The staffing level remains unchanged at 27 positions.

2023 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Workforce Excellence. The District is committed to investing in its future by investing in its employees. The initiatives highlighted below will allow the District to continue to recruit, develop, and retain best-in-class employees as the foundation of the organization's ongoing success.

Foster a culture that recognizes the value of every employee and provide a workplace environment that meets evolving industry trends

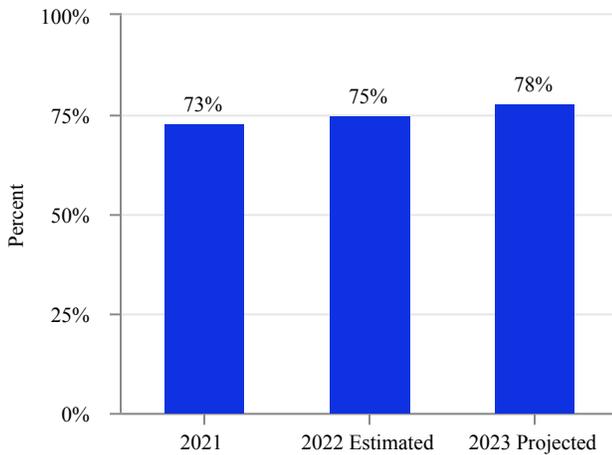
- Focus on employee recognition for excellence and continue to develop a workforce that is competent, motivated, and adaptive to change. Finance training efforts have resulted in staff promotions for approximately 41 percent over the past five years;
- Continue the department's cross-training program for staff to ensure that institutional knowledge is retained and improved through ongoing training, the utilization of eLearning platform, the encouragement of tuition reimbursement programs, and the expansion of webinar opportunities;
- Stay current with government accounting and financial reporting standards by actively participating in conferences and training. It is equally important for the Finance Department to work closely with the operating departments to understand the changes in processes and meet their reporting needs.

The following budget highlights support the District’s Strategic Plan Goal of Enterprise Resilience. The initiative shown below reflects the District’s dedication to making choices and decisions that strengthen the District’s financial position, resulting in reliable and cost-effective services.

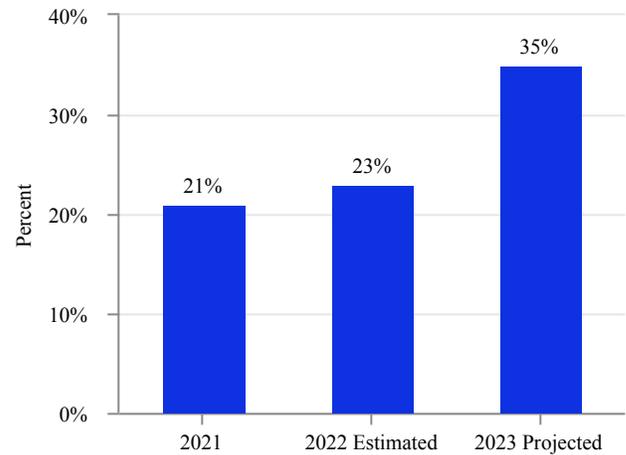
Standardize operations - streamline and automate internal processes, scale lessons learned from pandemic response

- Focus on excellence in delivering services and achieving compliance and continue to obtain an unmodified audit opinion on the District’s financial statements, earn the Certificate of Excellence in Financial Reporting from the Government Finance Officers Association, and ensure that all applicable GASB pronouncements are implemented;
- Implement GASB Statements, 92, Omnibus 2020; 94, Public-Private and Public-Public Partnerships and Availability Payment Arrangements; 96 Subscription Based Information Technology Arrangements; and 99, Omnibus 2022;
- Continuous improvement of the Accounts Payable system by increasing the number of vendors converted to ACH payment method and moving from paper invoices to electronic invoices. Additionally, the Finance Department will continue working on increasing electronic revenue collections for all types of revenue streams (excluding ad valorem taxes);
- In partnership with the Law and Information Technology Departments, work to upgrade the real estate system, IREIS 2.0, to promote process improvements, produce effective management reports, and increase overall efficiency.

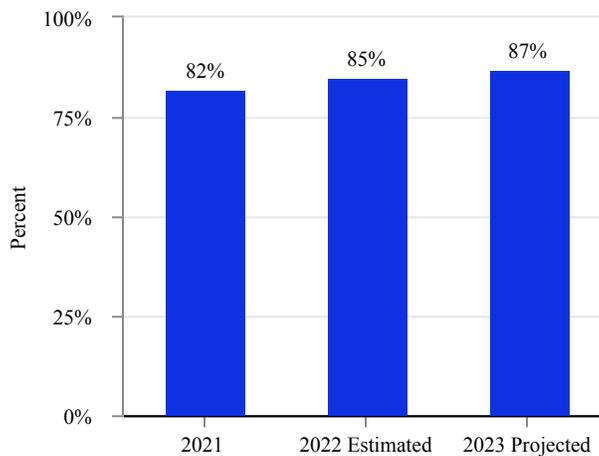
Electronic Disbursements Volume



Electronic Revenue Collections



Electronic Invoice Receipts



40000 FINANCE

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|--|---------------------|----------------|
| 1. Provide for the processing of all District expenditures, which consist of vendor payments, employee wages, expenses, and fringe benefits. Vendor payments are made in compliance with the Prompt Payment Act. Provide for the accounting, billing, and collection of all revenue such as user charge, State Revolving Fund, real estate, and other miscellaneous billings. | \$ 1,666,400 | 39.5 % |
| 2. Provide for the external audit, general accounting, and reporting of financial information (financial statement preparation, fixed assets, cost accounting analysis, general ledger maintenance, and bank account reconciliation). Provide for the independent appraisal and analysis of departmental internal activities approved for internal audit by the Audit Committee. | \$ 2,175,800 | 51.5 % |
| 3. Provide for the preparation of Board meeting agendas and minutes reports and for the documentation, retention, and retrieval of all official records of the Board of Commissioners. | \$ 379,500 | 9.0 % |
| Totals | \$ 4,221,700 | 100.0 % |

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|-----------------------|---|---------------------|----------|---------------------|-------------------|--------------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 4663 | User Charge Ordinance - Large Commercial/Industrial Users | \$ 320,970 | 2023 4 | \$ 334,600 | \$ (75,000) | (18.3) | a) |
| | | | 2022 4 | \$ 409,600 | | | |
| 7394 | Transaction Processing | \$ 1,054,969 | 2023 11 | \$ 1,331,800 | \$ 104,600 | 8.5 | |
| | | | 2022 11 | \$ 1,227,200 | | | |
| 7396 | Reporting | \$ 1,579,900 | 2023 10 | \$ 2,126,400 | \$ 89,400 | 4.4 | |
| | | | 2022 10 | \$ 2,037,000 | | | |
| 7398 | Legislative/Executive | \$ 333,024 | 2023 2 | \$ 379,500 | \$ 21,100 | 5.9 | |
| | | | 2022 2 | \$ 358,400 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 41,617 | 2023 — | \$ 49,400 | \$ (200) | (0.4) | |
| | | | 2022 — | \$ 49,600 | | | |
| Totals | | \$ 3,330,480 | 2023 27 | \$ 4,221,700 | \$ 139,900 | 3.4 % | |
| | | | 2022 27 | \$ 4,081,800 | | | |

a) Decrease is due to the reallocation of salaries to more accurately reflect current activities (\$75,000).

40000 FINANCE

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|--|---|------------------|--------------|---------------|----------------|----|
| 4660 | Waste Monitoring | | | | | |
| 4663 | User Charge Ordinance - Large Commercial/Industrial Users | Cost | \$ 320,970 | \$ 409,600 | \$ 334,600 | a) |
| 7390 | Accounting and Auditing | | | | | |
| 7394 | Transaction Processing | Transactions | 69,400 | 76,000 | 70,100 | |
| | | Cost | \$ 1,054,969 | \$ 1,227,200 | \$ 1,331,800 | |
| | | Cost/Transaction | \$ 15.20 | \$ 16.15 | \$ 19.00 | |
| 7396 | Reporting | Cost | \$ 1,579,900 | \$ 2,037,000 | \$ 2,126,400 | |
| 7398 | Legislative/Executive | Cost | \$ 333,024 | \$ 358,400 | \$ 379,500 | |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 41,617 | \$ 49,600 | \$ 49,400 | |
| | | Totals | \$ 3,330,480 | \$ 4,081,800 | \$ 4,221,700 | |
| a) Decrease is due to the reallocation of salaries to more accurately reflect current activities (\$75,000). | | | | | | |

| 101 40000 | Fund: Corporate Department: Finance | LINE ITEM ANALYSIS | | | | | | |
|----------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 2,935,449 | \$ 3,355,600 | \$ 3,355,600 | \$ 3,183,200 | \$ 3,298,100 | \$ 3,298,100 | \$ 3,429,900 |
| 601060 | Compensation Plan Adjustments | 32,617 | 114,600 | 114,600 | 29,000 | 83,800 | 83,800 | 85,600 |
| 601070 | Social Security and Medicare Contributions | 41,617 | 49,600 | 49,600 | 44,800 | 49,400 | 49,400 | 49,400 |
| 601100 | Tuition and Training Payments | 10,284 | 30,000 | 30,000 | 30,000 | 40,000 | 40,000 | 40,000 |
| 100 | TOTAL PERSONAL SERVICES | 3,019,967 | 3,549,800 | 3,549,800 | 3,287,000 | 3,471,300 | 3,471,300 | 3,604,900 |
| 612010 | Travel | — | 10,000 | 10,000 | 3,000 | 10,000 | 10,000 | 10,000 |
| 612030 | Meals and Lodging | — | 12,000 | 12,000 | 7,000 | 15,000 | 15,000 | 15,000 |
| 612040 | Postage, Freight, and Delivery Charges | 37 | 500 | 500 | 200 | 500 | 500 | 500 |
| 612050 | Compensation for Personally-Owned Automobiles | — | 200 | 200 | 200 | 500 | 500 | 500 |
| 612090 | Reprographic Services | 2,015 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 |
| 612250 | Court Reporting Services | 41,010 | 50,000 | 50,000 | 36,300 | 50,000 | 50,000 | 50,000 |
| 612340 | Discount Lost | 2,816 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 |
| 612430 | Payments for Professional Services | 258,867 | 428,800 | 428,800 | 320,200 | 499,800 | 499,800 | 499,800 |
| 612490 | Contractual Services, N.O.C. | 760 | 2,500 | 2,500 | 1,000 | 2,500 | 2,500 | 2,500 |
| 612800 | Repairs to Office Furniture and Equipment | — | 6,500 | 6,500 | 5,600 | 6,500 | 6,500 | 6,500 |
| 200 | TOTAL CONTRACTUAL SERVICES | 305,505 | 516,000 | 516,000 | 379,000 | 590,300 | 590,300 | 590,300 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 5,007 | 15,000 | 15,000 | 7,000 | 25,500 | 25,500 | 25,500 |
| 623720 | Books, Maps, and Charts | — | 500 | 500 | 500 | 500 | 500 | 500 |
| 623990 | Materials and Supplies, N.O.C. | — | 500 | 500 | 500 | 500 | 500 | 500 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 5,007 | 16,000 | 16,000 | 8,000 | 26,500 | 26,500 | 26,500 |
| TOTAL FINANCE | | \$ 3,330,479 | \$ 4,081,800 | \$ 4,081,800 | \$ 3,674,000 | \$ 4,088,100 | \$ 4,088,100 | \$ 4,221,700 |

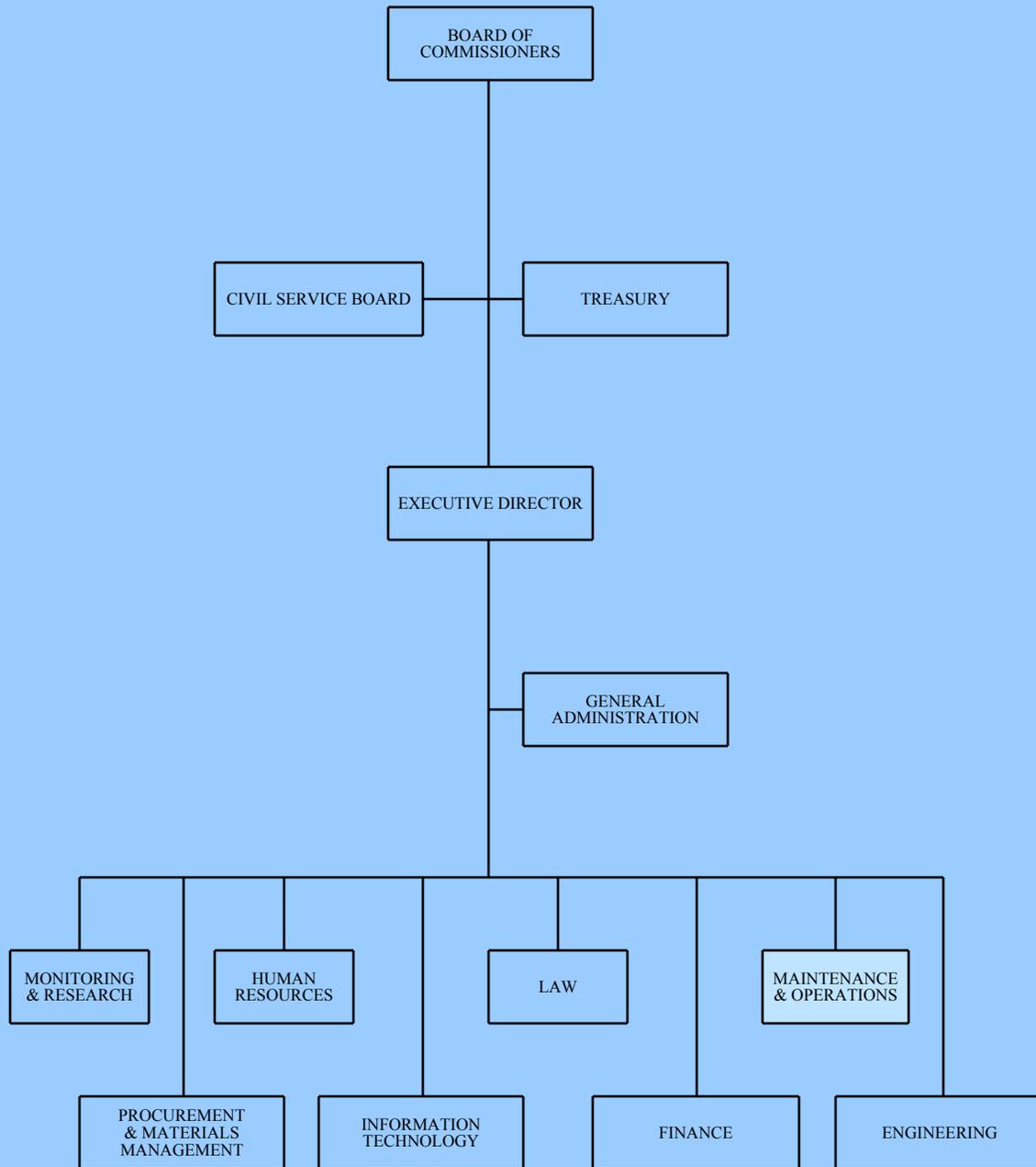
NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

| Fund: Corporate Dept: Finance | | POSITION ANALYSIS | | | | |
|----------------------------------|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 410 | Executive Division | | | | | |
| 411 | Executive Section | | | | | |
| EX13 | Clerk/Director of Finance | 1 | 1 | | 1 | |
| HP21 | Comptroller | 1 | 1 | | 1 | |
| EX06 | Secretary to Officer | 1 | 1 | | 1 | |
| TOTAL 411 | Executive Section | 3 | 3 | 565,039 | 3 | 602,944 |
| 413 | Internal Auditing Section | | | | | |
| HP19 | Accounting Manager #2 (New Grade HP18) | 1 | 1 | | 1 | |
| HP17 | Supervising Accountant #2 (Financial Analyst) (New Grade HP16) | 2 | 2 | | 2 | |
| HP16 | Financial Analyst | 1 | — | | — | |
| TOTAL 413 | Internal Auditing Section | 4 | 3 | 467,305 | 3 | 493,345 |
| TOTAL 410 | Executive Division | 7 | 6 | 1,032,345 | 6 | 1,096,289 |
| 420 | Accounting Division | | | | | |
| 440 | Financial Administration & Disbursements Section | | | | | |
| 441 | Administrative Unit | | | | | |
| HP19 | Accounting Manager #2 (New Grade HP18) | 1 | — | | — | |
| HP18 | Accounting Manager | — | 1 | | 1 | |
| HP17 | Supervising Accountant #2 (Financial Analyst) (New Grade HP16) | 1 | 1 | | — | |
| HP16 | Financial Analyst | 1 | 1 | | 3 | |
| HP13 | Senior Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 441 | Administrative Unit | 4 | 4 | 503,677 | 5 | 558,686 |
| 443 | Billing Unit | | | | | |
| HP16 | Financial Analyst | — | 1 | | — | |
| HP12 | Accounting Associate | 3 | 3 | | 3 | |
| TOTAL 443 | Billing Unit | 3 | 4 | 340,399 | 3 | 238,291 |
| 446 | Accounts Payable Unit | | | | | |
| HP13 | Accounting Clerk III #2 (Accounting Associate) (New Grade HP12) | 1 | 1 | | — | |

| Fund: Corporate Dept: Finance | | POSITION ANALYSIS | | | | |
|----------------------------------|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP12 | Accounting Associate | 2 | 2 | | 3 | |
| TOTAL 446 | Accounts Payable Unit | 3 | 3 | 240,949 | 3 | 224,870 |
| TOTAL 440 | Financial Administration & Disbursements Section | 10 | 11 | 1,085,026 | 11 | 1,021,848 |
| 450 | Special Projects & Payroll Section | | | | | |
| 451 | Special Projects Unit | | | | | |
| HP18 | Accounting Manager | 1 | 1 | | 1 | |
| HP16 | Financial Analyst | 1 | 1 | | 1 | |
| HP14 | Budget & Management Analyst | 1 | 1 | | 1 | |
| TOTAL 451 | Special Projects Unit | 3 | 3 | 361,469 | 3 | 376,694 |
| 452 | Payroll Unit | | | | | |
| HP16 | Financial Analyst | 2 | 2 | | 2 | |
| TOTAL 452 | Payroll Unit | 2 | 2 | 258,128 | 2 | 268,453 |
| TOTAL 450 | Special Projects & Payroll Section | 5 | 5 | 619,597 | 5 | 645,147 |
| 460 | General Accounting Section | | | | | |
| 463 | Accounting Unit | | | | | |
| HP19 | Accounting Manager #2 (New Grade HP18) | 1 | 1 | | 1 | |
| HP17 | Supervising Accountant #2 (Financial Analyst) (New Grade HP16) | — | — | | 1 | |
| HP16 | Financial Analyst | 2 | 2 | | 1 | |
| HP13 | Accounting Clerk III #2 (Accounting Associate) (New Grade HP12) | 1 | 1 | | 1 | |
| HP12 | Accounting Associate | 1 | 1 | | 1 | |
| TOTAL 463 | Accounting Unit | 5 | 5 | 635,387 | 5 | 666,626 |
| TOTAL 460 | General Accounting Section | 5 | 5 | 635,387 | 5 | 666,626 |
| TOTAL 420 | Accounting Division | 20 | 21 | 2,340,010 | 21 | 2,333,622 |
| TOTAL | Finance | 27 | 27 | 3,372,355 | 27 | 3,429,910 |

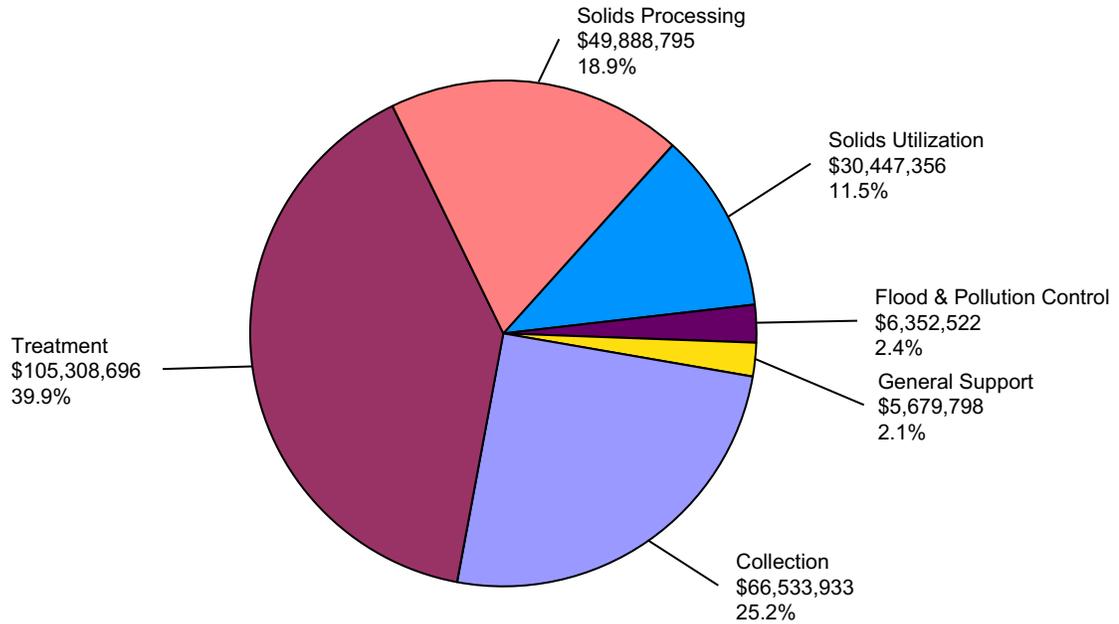
NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

NOTE PAGE

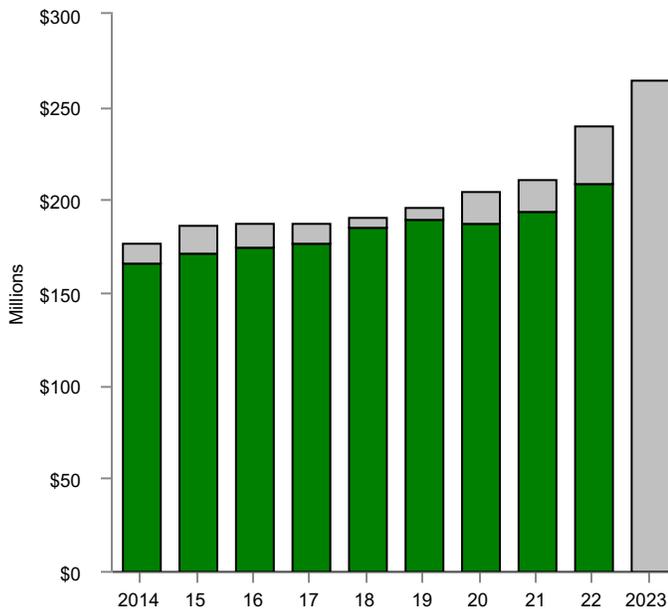


MAINTENANCE & OPERATIONS - ALL DIVISIONS FUNCTIONS

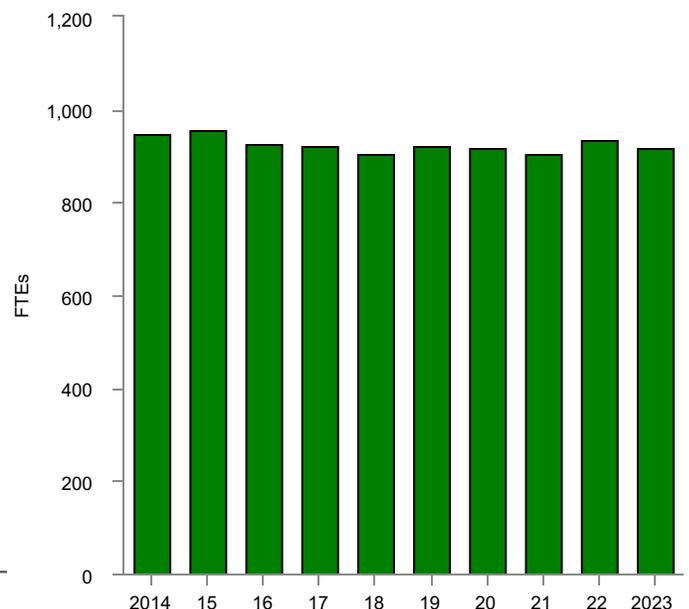
| | |
|----------|---------------|
| 2023 | \$264,211,100 |
| 2022 | \$239,554,800 |
| Increase | \$24,656,300 |



APPROPRIATIONS & EXPENDITURES



BUDGETED FTE POSITIONS



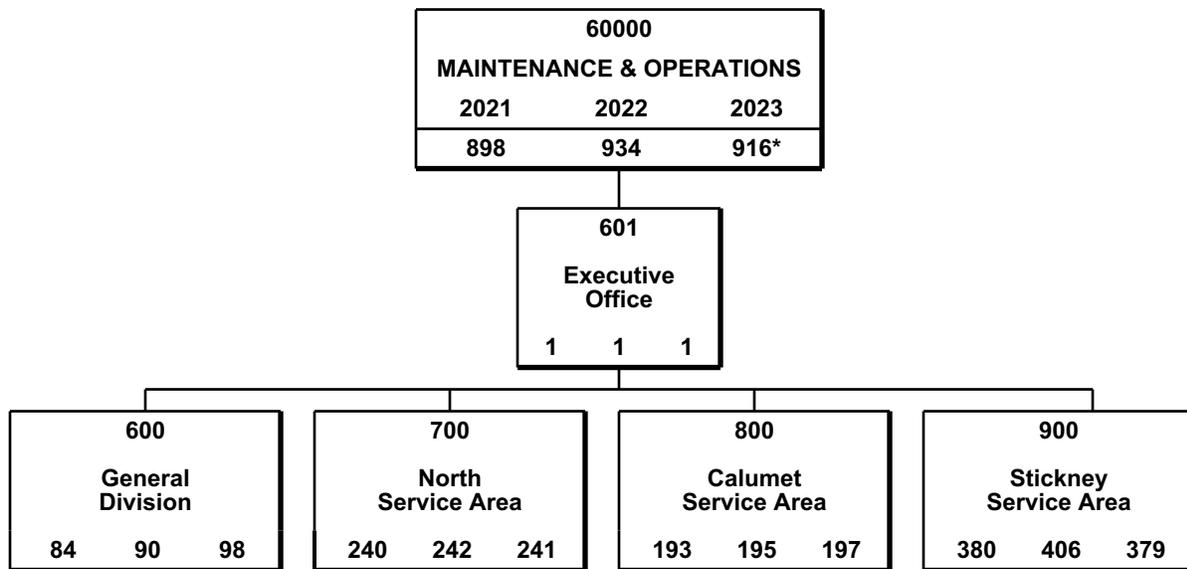
2022 Expenditures are estimated

■ EXPENDITURES ■ APPROPRIATIONS

Year-over-year fluctuations are the result of organizational redesign.

2022, 2023 - Increase is due to rising costs of electrical energy, natural gas, and chemicals.

MAINTENANCE & OPERATIONS - ALL DIVISIONS



* The 2023 position total for the Maintenance & Operations Department is 916. There are an additional 28 positions funded by the Stormwater Management Fund, while the operations remain in the Maintenance & Operations Department.

MAINTENANCE & OPERATIONS

The mission of the Maintenance & Operations Department (M&O) is to maintain and operate the District's facilities at an optimal level and to protect our environment by collecting and treating wastewater, minimizing flooding, maintaining our waterways, and producing and beneficially reusing high quality biosolids in the most economical and environmentally sustainable manner.

Departmental Summary

M&O consists of four divisions. Three of the divisions, referred to as the Calumet Service Area, the North Service Area, and the Stickney Service Area, collectively maintain and operate the collection systems and treatment plants within the District's 882.1 square mile service area, serving a population of 5.19 million people. The Calumet and Stickney Service Areas are also responsible for the nine solids management areas. The fourth division, referred to as the General Division, maintains and operates the Lockport Powerhouse, Chicago Area Waterways, and the collection systems. The department's primary responsibilities include:

- Collecting and treating approximately 462.6 billion gallons of wastewater annually by operating seven water reclamation plants (WRPs), a 560-mile network of intercepting sewers, the Tunnel and Reservoir Plan's 109.4 miles of tunnels, and three reservoirs;
- Improving water quality in area waterways by maintaining and operating five sidestream elevated pool aeration stations and two instream aeration stations;
- Providing flood relief to Cook County by removing debris from 532 miles of small streams and rivers and maintaining 36 regional detention reservoirs;
- Processing high quality biosolids for beneficial reuse.

Summary of 2022 Major Accomplishments

- Amid persistent supply chain disruptions, surging inflation, and a competitive labor market, ensured that the maintenance and operations of the WRPs were conducted at the highest level as demonstrated by 100 percent compliance with National Pollutant Discharge Elimination System (NPDES) permits;
- Celebrated the 100th anniversary of the Calumet WRP, the oldest of the District's seven WRPs. Today, it serves more than 1,000,000 people from Chicago and 48 surrounding suburbs with outstanding around-the-clock service;
- Continued to build an Asset Management Program that is sustainable, optimizes the life cycle of critical assets, and considers the long-term environmental and financial implications of all programs and projects. Major undertakings include: the application of protective coatings to various equipment to reduce the corrosion that develops in a harsh operating environment; the installation of chains, sprockets, and appurtenances in preliminary and grit tanks for improved sludge, scum, and grit removal; the installation of gas monitoring equipment for workplace health and safety; and the rehabilitation and repair of the railroad system, which is used to convey biosolids to the drying sites;
- Contributed to process optimization by incorporating modern methods and solutions, such as wireless technology, at the WRPs, a strategy that supports Enterprise Resilience. Digital kits using cellular technology were installed in the Stickney Service Area for additional remote monitoring and reporting of Tunnel and Reservoir Plan tide gate operations. Cellular technology is a safe and efficient method for notifying treatment plant operators and field staff of important codes and events, especially when they are away from a standard HMI (human machine interface);
- Prepared to capitalize on favorable weather conditions and strong product demand to maximize the beneficial reuse of biosolids, a major element of the District's resource recovery plan;
- Completed the construction of a sodium chloride pollution prevention facility at the Calumet WRP, which will provide for the safe storage of the chemical and prevent the surrounding area from becoming polluted with salt reserves per new regulatory guidelines;
- Repaired a light fixture atop a 120-foot-tall pole at the Egan WRP. Because the fixture could not be lowered, our electricians were required to make the repairs using a man basket. Calm weather, a 40-ton crane, and the rigging and hoisting skills of our ironworkers and crane operators were also instrumental in getting the job done safely, creatively, and effectively.

2023 Appropriation and Position Summary

The 2023 appropriation for the M&O Corporate Fund is \$264,211,100, an increase of \$24,656,300, or 10.3 percent, from 2022. The Corporate Fund staffing level has decreased from 934 to 916 positions. The net decrease is due to the addition of 17 positions and the drop of 35 positions. Of the 35 drops, 25 are the result of a 2022 reorganization that entailed adding positions in one section or shift and dropping a corresponding number in another. Due to the timing of the reorganization, the 2022 budget included the added positions and the 2023 budget includes the dropped positions. The remaining 10 drops are the result of position reclassifications or a change in operations, including efficiencies implemented during the pandemic. The changes reflect the department's commitment to maintaining a high level of performance with the optimum number and mix of

positions. An additional 28 positions are funded in the Stormwater Management Fund. The total 2023 position count is 944, compared to the total 2022 position count of 962.

2023 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Resource Management, defined as maintaining a high level of performance while fulfilling the District's core mission of protecting the public health and area waterways and pursuing opportunities to recover and reuse resources. The initiatives described below exemplify the District's goal of maintaining and operating its facilities and assets to provide that high level of service.

Maintain an exceptional level of compliance with NPDES permits in the face of more stringent regulatory requirements, aging infrastructure, changing weather patterns, and new demands for waterway activity

- Continue the decades long tradition of outstanding permit compliance as recognized by the National Association of Clean Water Agencies. In 2022, the District was recognized for its outstanding performance in 2021 with an overall compliance rate of 100 percent and six Platinum Peak Performance awards, a distinction given to WRPs that have achieved 100 percent permit compliance for five consecutive years. The same superior level of performance is anticipated for 2022. The following facilities earned Platinum status: the Calumet WRP for 30 years, the Lemont WRP for 25 years, the Kirie WRP for 17 years, the O'Brien WRP for 16 years, the Hanover Park WRP for 14 years, and the Egan WRP for eight years. The Stickney WRP received a Gold Peak Performance award for having no permit violations for the entire 2021 calendar year.

Adhere to a rigorous asset management plan to maintain the District's facilities at levels sufficient to meet operational and permit requirements

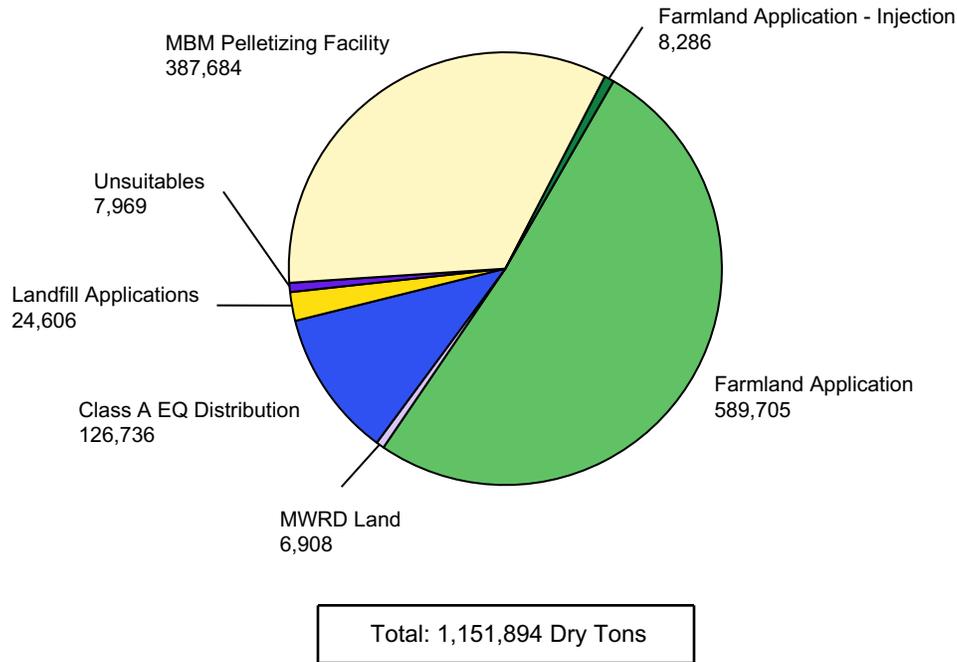
- Apply asset management best practices by focusing on proper maintenance, monitoring, and potential enhancements to avoid operational disruptions and decline. In 2023, funding is provided for the following preventative and predictive maintenance projects: rehabilitate raw sewage pump rotating assemblies, recondition process blower motors, clean and calibrate power distribution equipment, tune and maintain boilers, and rehabilitate centrifuges, which are used to thicken and dewater biosolids. As with any strong asset management program, project selection is informed by the asset or system's criticality, condition, and failure risk.

Prioritize resource recovery and reuse, the reduction of greenhouse gases, and the creation of a more sustainable environment

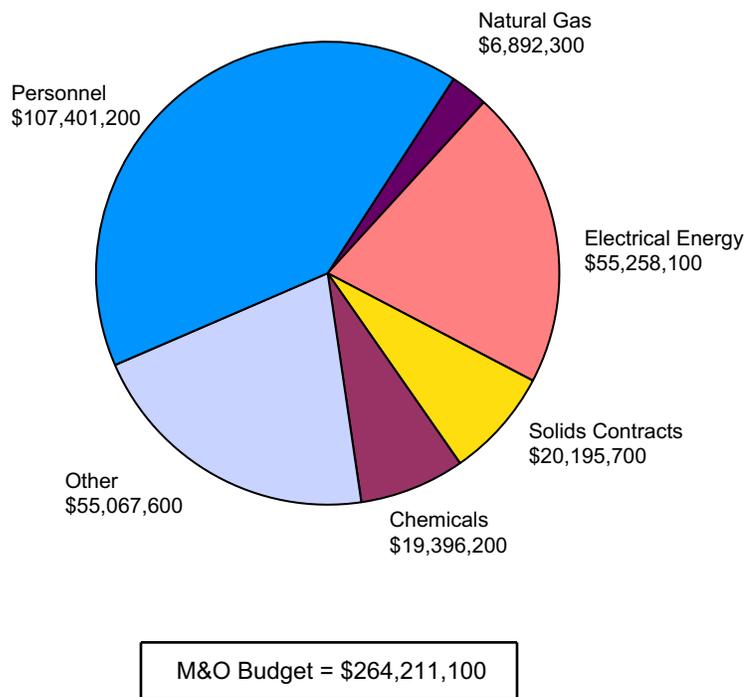
- Work with the Engineering and Monitoring & Research Departments to determine the optimal solutions for phosphorus removal at the WRPs. NPDES permit requirements limiting the levels of phosphorus that can be discharged from wastewater into the environment have become progressively more stringent. The Calumet WRP will be required to meet a limit of 1.0 mg/L by 2024. The Kirie and O'Brien WRPs will have phosphorus limits in 2026 and 2027, respectively, and the Egan and Hanover Park WRPs by 2031 at the earliest. The Stickney WRP became subject to the new limit in 2021. The approaches for phosphorus removal - physical, chemical, and biological - are being evaluated, tested, and implemented based on each WRP's specific conditions and configurations. Future budgets will be closely monitored and adjusted to account for any increases in operational costs associated with the new permit requirements;
- Allocate \$500,000 to purchase Renewable Energy Credits to mitigate indirect greenhouse gas emissions associated with purchased electrical energy. The Renewable Energy Credits, which are legal instruments used in renewable electrical energy markets to account for renewable energy, guarantee that the energy is provided from renewable sources that produce low- or zero-emissions. This and other options will undergo continual evaluation as the District's plan to achieve energy neutrality is refined;
- Continue to develop a biosolids market using a variety of initiatives including the distribution of compost at different venues and attendance at trade and landscaping events to showcase the Class A Exceptional Quality product. The bulking agents required to produce high-quality composted biosolids are received through the District's Recovery Program, which offers a greener alternative for disposal of organic material, such as yard waste and wood chips. Free bulk distribution is offered to area residents, non-profit organizations, golf courses, and public entities at the District's WRPs. An effective and well-funded biosolids management and utilization program will become increasingly important as full-scale phosphorus removal is implemented at the Calumet WRP in 2024, a consequence of which will be the increased production of biosolids;
- Update the approach used to track the production and distribution costs of Exceptional Quality (EQ) biosolids relative to non-EQ biosolids applied to farmland.

Effective Resource Management includes pursuing opportunities to recover and reuse resources. One of the District’s primary resources is biosolids, which are produced for reuse as a safe and environmentally friendly alternative to commercial fertilizer. The following chart illustrates how biosolids have been beneficially reused from 2012 through 2021. Two other charts on this page and the next, appropriations by major line item in 2023 and appropriations by service area in 2023, illustrate how and where the department’s budget is allocated to achieve effective Resource Management.

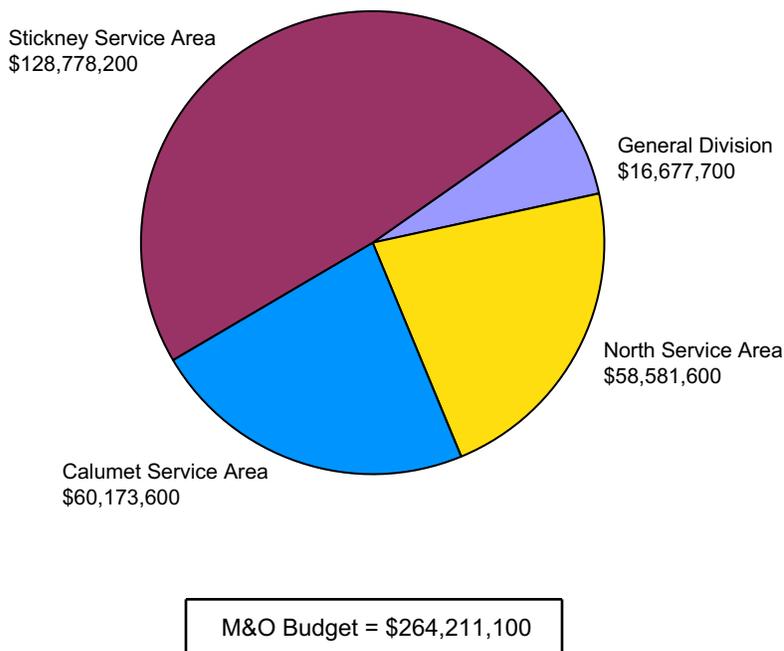
Recover Resources: Biosolids Reuse (in Dry Tons) 2012 - 2021



2023 Appropriations by Major Line Item



2023 Appropriations by Service Area



The following budget highlights support the District’s Strategic Plan Goal of Workforce Excellence, which expresses the principle that investing in the future means investing in employees. The initiatives described below demonstrate the department’s understanding that employees are the foundation of the District’s ongoing success.

Cultivate an employee population that evolves with industry trends and strategic direction and is well prepared for advancement

- Establish an optimum number of positions, budgeted, and filled, to maintain and operate District facilities at a high level, and to train, mentor, and prepare employees for future management positions. A workforce that combines current academic knowledge with institutional knowledge will be well positioned to overcome challenges and capitalize on opportunities, both internal and external;
- Provide employees with a quality work environment for improved performance. In 2023, staff will oversee a project to construct a laboratory for the Treatment Plant Operators at the Hanover Park WRP. The new space will have a laboratory exhaust system and adequate room for proper chemical storage, all laboratory equipment, and a sufficient number of workstations for staff to enter and analyze their findings in a convenient location.

The following budget highlights support the District’s Strategic Plan Goal of Community Engagement. The initiatives shown below illustrate the District’s determination to serve as a critical community asset, a responsive neighbor, and an inclusive business partner.

Collaborate with similarly motivated agencies and organizations to advance the mission and goals of the District and work to improve the communities in which they operate

- Participate in the Chicago Area Waterways watershed group, which will focus on meeting the goals and objectives of the Chloride Time-Limited Water Quality Standard, more commonly known as the Chloride Variance. The group will apply best management practices to reduce the use of chloride in the Chicago Area Waterways and develop action items based on the requirements in the Chloride Variance to ensure that the new requirements are implemented in a thorough and consistent manner;
- Maintain membership in the DuPage River Salt Creek Workgroup (DRSCW), a non-profit organization formed by local communities, water reclamation plants, and environmental organizations to address water quality issues at the watershed level. The watershed projects sponsored by the group are in the Salt Creek, and the East and West Branch DuPage River Watersheds, which are the receiving streams for the Egan and Hanover Park WRPs. Under an agreement with the DRSCW, the District will fund and manage one of the capital projects according to District standards and policies with the funding level determined by the million gallons per day of discharge from the two WRPs. The agreement benefits both the DRSCW and the District as the group’s watershed projects are given priority over other construction projects and the District’s

deadline to meet the more stringent phosphorus limit requirements at the Egan and Hanover Park WRPs is extended while the projects are implemented and their impact on the watersheds is evaluated.

The following budget highlights support the District's Strategic Plan Goal of Enterprise Resilience. The initiatives described below reflect the District's dedication to making choices and decisions that strengthen the District's operational position, resulting in reliable, equitable, and cost-effective services.

Streamline, automate, and improve internal processes

- Explore additional opportunities to implement Artificial Intelligence (AI) technology for process improvements. The Kirie WRP is the site of the department's first experiment with AI. Under a request for proposal, process modeling is being refined, and a dashboard tool is being developed to assist plant operators in optimizing the dosage of sodium hypochlorite used for odor and corrosion control without disrupting the biological phosphorus removal process. The platform collects data from the Distributed Control System and Laboratory Information Management System to provide comprehensive evaluations. Expanding the use of AI technology across District facilities and processes has the potential to reduce chemical usage and its corresponding costs, an especially appealing prospect in the current inflationary environment;
- Continue to upgrade the department's distributed control systems, which are vital to running a modern WRP. A distributed control system is an automated control system that is distributed throughout the WRP to provide commands to process equipment. Technology is a cornerstone of effective Resource Management and is essential to meeting environmental regulations and enhancing system quality and efficiency.

Actively pursue opportunities for energy efficiency

- Maintain ongoing efforts to decrease the costs of electrical energy, which include purchasing energy at discounted rates and participating in an energy curtailment program that pays participants for using less energy during peak loads. Since 1997, approximately \$21.0 million in revenue has been received. In 2023, rising energy prices should be mitigated to some degree by carbon-free energy resource adjustments. As part of the Climate and Equitable Jobs Act, three underperforming Illinois nuclear plants, all sources of clean energy, were provided with subsidies to keep operating. However, with the surge in electricity prices, the previously struggling plants are now more profitable, resulting in substantial credits to large ratepayers such as the District;
- Work towards achieving net energy neutrality by 2035, using various strategies such as implementing energy efficiencies to reduce energy consumption and increasing the use of renewable energy, including the biogas that is produced in-house during the wastewater treatment process.

Consider environmental costs when procuring equipment and services

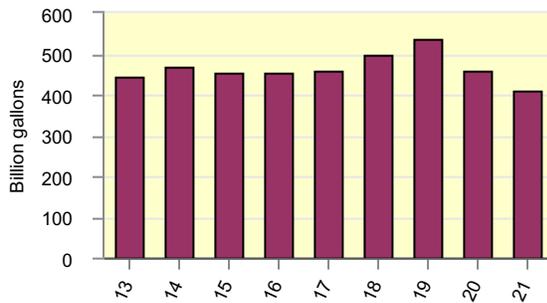
- Continue to support the District's transportation electrification effort, which includes choosing electrical vehicles and mobile equipment where practicable;
- Install additional charging stations for electric vehicles at the WRPs. The data collected from these stations will be used to create a plan for future replacements;
- Continue to fund purpose-driven landscape projects to improve the environment, including native prairie landscaping. Funds are also provided in the budget for livestock grazing as an additional tool to promote environmentally oriented practices.

60000 M&O - ALL DIVISIONS

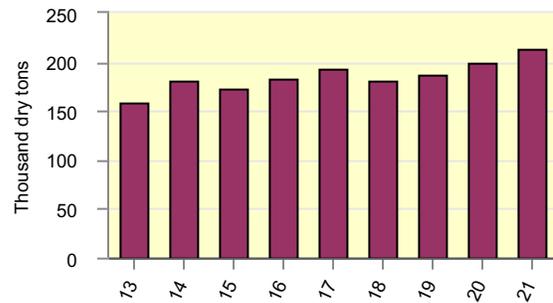
OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|---|----------------------|----------------|
| 1. COLLECTION & TREATMENT: The M&O Department will collect and treat approximately 462.6 billion gallons of wastewater through its seven treatment facilities and through a contract agreement with the Fox River Water Reclamation District. | \$ 171,842,629 | 65.1 % |
| 2. SOLIDS PROCESSING: The M&O Department will remove and process approximately 218,900 dry tons of solids through various systems, including heated digestion, centrifuging, concentration, and aging low solids sludge and centrifuge cake in lagoons. | \$ 49,888,795 | 18.9 % |
| 3. SOLIDS UTILIZATION: The M&O Department will beneficially utilize approximately 91,700 dry tons of biosolids for farmland application, District-funded green infrastructure projects, public works projects, highway authority projects, golf courses and parks, and other final utilization sites. | \$ 30,447,356 | 11.5 % |
| 4. FLOOD & POLLUTION CONTROL: The M&O Department, in cooperation with local communities, will strive to minimize local area flooding and pollution of Lake Michigan through continuous control of the water levels in 76.1 miles of canals and 532 miles of small streams and rivers, and through the operation of 36 detention reservoirs, of which 33 are dedicated solely to stormwater retention. It will also work to maintain the quality of the waterways system and associated District properties through the activities of the debris boats and the channel maintenance crews. | \$ 6,352,522 | 2.4 % |
| 5. GENERAL SUPPORT: The M&O Department provides technical and administrative support for other departments indirectly related to the operational activities of Collection & Treatment, Solids Processing, Flood & Pollution Control, and Solids Utilization. | \$ 5,679,798 | 2.1 % |
| Departmental Totals | \$264,211,100 | 100.0 % |

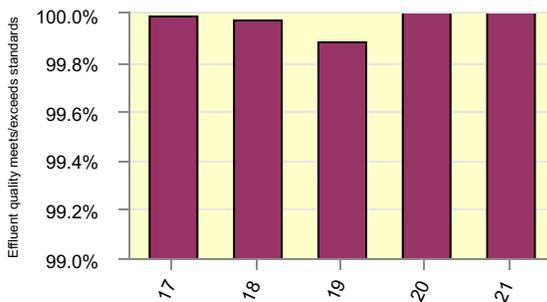
Collection & Treatment



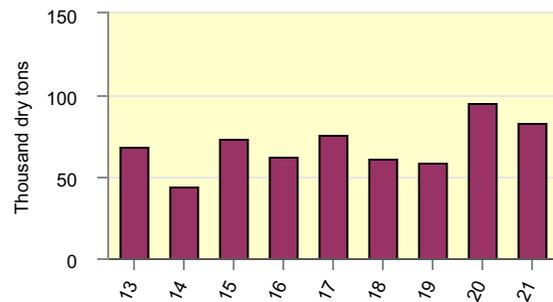
Solids Processing



NPDES Permit Compliance



Solids Utilization



60000 M&O - ALL DIVISIONS

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | |
|-----------------------|------------------------------------|---------------|----------|----------------|---------------|---------|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent |
| 1000 | Collection | \$ 48,100,503 | 2023 248 | \$ 66,533,933 | \$ 6,172,102 | 10.2 |
| | | | 2022 249 | \$ 60,361,831 | | |
| 1100 | Surface Interceptor Systems | \$ 3,844,391 | 2023 28 | \$ 4,481,700 | \$ 276,400 | 6.6 |
| | | | 2022 27 | \$ 4,205,300 | | |
| 1200 | Tunnel and Reservoir System | \$ 10,852,816 | 2023 44 | \$ 15,862,340 | \$ 908,640 | 6.1 |
| | | | 2022 45 | \$ 14,953,700 | | |
| 1300 | Pumping Station Facilities | \$ 15,068,472 | 2023 74 | \$ 24,679,760 | \$ 4,662,460 | 23.3 |
| | | | 2022 75 | \$ 20,017,300 | | |
| 1900 | Collection - Indirect Costs | \$ 18,334,824 | 2023 102 | \$ 21,510,133 | \$ 324,602 | 1.5 |
| | | | 2022 102 | \$ 21,185,531 | | |
| 2000 | Treatment | \$ 73,699,572 | 2023 381 | \$ 103,812,296 | \$ 7,420,164 | 7.7 |
| | | | 2022 395 | \$ 96,392,132 | | |
| 2000 | Pre-Treatment | \$ 3,279,361 | 2023 26 | \$ 3,909,100 | \$ 264,900 | 7.3 |
| | | | 2022 34 | \$ 3,644,200 | | |
| 2100 | Primary Treatment | \$ 3,642,254 | 2023 36 | \$ 3,703,600 | \$ 44,100 | 1.2 |
| | | | 2022 42 | \$ 3,659,500 | | |
| 2200 | Secondary Treatment | \$ 22,314,206 | 2023 97 | \$ 38,760,200 | \$ 8,520,900 | 28.2 |
| | | | 2022 97 | \$ 30,239,300 | | |
| 2300 | Tertiary Treatment | \$ 2,877,174 | 2023 17 | \$ 5,999,500 | \$ 890,200 | 17.4 |
| | | | 2022 17 | \$ 5,109,300 | | |
| 2900 | Treatment - Indirect Costs | \$ 41,586,577 | 2023 205 | \$ 51,439,896 | \$(2,299,936) | (4.3) |
| | | | 2022 205 | \$ 53,739,832 | | |
| 3000 | Solids Processing | \$ 38,766,668 | 2023 203 | \$ 49,888,795 | \$ 5,073,227 | 11.3 |
| | | | 2022 206 | \$ 44,815,568 | | |
| 3100 | Thickening | \$ 8,343,491 | 2023 40 | \$ 8,535,700 | \$ 1,473,700 | 20.9 |
| | | | 2022 38 | \$ 7,062,000 | | |
| 3200 | Stabilization | \$ 6,117,876 | 2023 42 | \$ 7,545,900 | \$ 442,200 | 6.2 |
| | | | 2022 42 | \$ 7,103,700 | | |
| 3300 | Dewatering | \$ 10,951,324 | 2023 40 | \$ 16,824,900 | \$ 2,513,000 | 17.6 |
| | | | 2022 43 | \$ 14,311,900 | | |
| 3900 | Solids Processing - Indirect Costs | \$ 13,353,977 | 2023 81 | \$ 16,982,295 | \$ 644,327 | 3.9 |
| | | | 2022 83 | \$ 16,337,968 | | |

Note: Explanations of significant changes are provided by individual division.

60000 M&O - ALL DIVISIONS

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | |
|-----------------------|--|----------------|----------|----------------|--------------|---------|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent |
| 4000 | Flood & Pollution Control | \$ 4,759,978 | 2023 22 | \$ 6,352,522 | \$ 72,990 | 1.2 |
| | | | 2022 24 | \$ 6,279,532 | | |
| 4200 | Waterways Control and Stormwater Reservoirs | \$ 2,696,572 | 2023 18 | \$ 2,959,000 | \$ (22,300) | (0.7) |
| | | | 2022 19 | \$ 2,981,300 | | |
| 4210 | Maintenance of Waterways | \$ 49,361 | 2023 — | \$ 261,600 | \$ 45,600 | 21.1 |
| | | | 2022 — | \$ 216,000 | | |
| 4300 | Stormwater Management | \$ 33,229 | 2023 — | \$ — | \$ — | — |
| | | | 2022 — | \$ — | | |
| 4400 | Aeration Facilities | \$ 1,138,003 | 2023 2 | \$ 1,267,700 | \$ (49,800) | (3.8) |
| | | | 2022 2 | \$ 1,317,500 | | |
| 4900 | Flood & Pollution Control - Indirect Costs | \$ 842,813 | 2023 2 | \$ 1,864,222 | \$ 99,490 | 5.6 |
| | | | 2022 3 | \$ 1,764,732 | | |
| 5000 | Solids Utilization | \$ 24,345,088 | 2023 41 | \$ 30,447,356 | \$ 3,856,416 | 14.5 |
| | | | 2022 41 | \$ 26,590,940 | | |
| 5100 | Solids Drying | \$ 6,502,654 | 2023 10 | \$ 7,563,700 | \$ 716,100 | 10.5 |
| | | | 2022 10 | \$ 6,847,600 | | |
| 5200 | Solids Distribution | \$ 12,891,690 | 2023 8 | \$ 15,406,500 | \$ 1,777,000 | 13.0 |
| | | | 2022 8 | \$ 13,629,500 | | |
| 5900 | Solids Utilization - Indirect Costs | \$ 4,950,744 | 2023 23 | \$ 7,477,156 | \$ 1,363,316 | 22.3 |
| | | | 2022 23 | \$ 6,113,840 | | |
| 7000 | General Support (excludes program number 7604) | \$ 2,896,877 | 2023 21 | \$ 5,679,798 | \$ 2,054,101 | 56.7 |
| | | | 2022 19 | \$ 3,625,697 | | |
| 7604 | Social Security and Medicare Contributions | \$ 1,345,334 | 2023 — | \$ 1,496,400 | \$ 7,300 | 0.5 |
| | | | 2022 — | \$ 1,489,100 | | |
| Departmental Totals | | \$ 193,914,020 | 2023 916 | \$ 264,211,100 | \$24,656,300 | 10.3 % |
| | | | 2022 934 | \$ 239,554,800 | | |

* The 2023 position total for the M&O Department is 944, which includes 28 positions funded by the Stormwater Management Fund.

Note: Explanations of significant changes are provided by individual division.

60000 M&O - ALL DIVISIONS

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated |
|----------------|---|--------------------------|-----------------------|-----------------------|-----------------------|
| 1000-2900 | Collection & Treatment | | | | |
| | Collect and Treat Wastewater at Seven Treatment Facilities and Through a Contract Agreement with the Fox River Water Reclamation District | Mil. Gallons | 411,627 | 489,100 | 462,600 |
| | | Cost | \$ 121,800,075 | \$ 156,753,963 | \$ 170,346,229 |
| | | Cost/Mil. Gallons | \$ 295.90 | \$ 320.49 | \$ 368.24 |
| 3000 | Solids Processing | | | | |
| | Remove and Process Solids Using Various Systems, Including Heated Digestion, Centrifuging, Concentration, and Aging Low Solids Sludge and Centrifuge Cake in Lagoons | Dry Tons | 213,699 | 192,500 | 218,900 |
| | | Cost | \$ 38,766,668 | \$ 44,815,568 | \$ 49,888,795 |
| | | Cost/Dry Ton | \$ 181.41 | \$ 232.81 | \$ 227.91 |
| 4000 | Flood & Pollution Control | | | | |
| | Operation and Maintenance of the Waterways to Minimize Area Flooding and Pollution | | | | |
| 4200 | Minimize Area Flooding and Pollution of Lake Michigan Through the Continuous Control of Water Levels in Major Rivers and Canals | Cost | \$ 1,014,210 | \$ 1,255,700 | \$ 1,300,200 |
| | Generate Electrical Energy at Lockport Powerhouse to Obtain Approximately \$1.2 million in Revenue | kWh | 32,463,270 | 30,000,000 | 33,000,000 |
| | | Cost | \$ 571,251 | \$ 598,600 | \$ 605,800 |
| | | Cost/kWh | \$ 0.0176 | \$ 0.0200 | \$ 0.0184 |
| | | * Revenue Generated | \$ 1,307,901.39 | \$ 825,000 | \$ 1,200,000 |
| | Minimize Diversion of Lake Michigan Water in Accordance with the U.S. Supreme Court Decree | Mil. Gal./Year Diversion | 42,729 | 60,152 | 60,152 |
| | | Cost | \$ 457,071 | \$ 432,400 | \$ 446,800 |
| | | Cost/Mil. Gal./Year | \$ 10.70 | \$ 7.19 | \$ 7.43 |
| | Operation of Detention Reservoirs | Reservoirs | 37 | 37 | 36 |
| | | Cost | \$ 522,144 | \$ 694,600 | \$ 606,200 |
| | | Cost/Reservoir | \$ 14,112.00 | \$ 18,772.97 | \$ 16,838.89 |
| 4210 | Maintenance of the Waterways and Canal Banks Within the Jurisdiction of the District. Activities Include Debris Removal, Insect and Rodent Control, Bridge Repairs, and Aeration Costs. | Cost | \$ 181,257 | \$ 216,000 | \$ 261,600 |
| 4300 | Stormwater Management | Cost | \$ 33,229 | \$ — | \$ — |
| 4400 | Aeration Facilities | Cost | \$ 1,138,003 | \$ 1,317,500 | \$ 1,267,700 |
| 4900 | Flood & Pollution Control - Indirect Costs | Cost | \$ 842,813 | \$ 1,764,732 | \$ 1,864,222 |
| 5000 | Solids Utilization | | | | |
| | Utilize Biosolids for Farmland Application, District-Funded Green Infrastructure Projects, Public Works Projects, Highway Authority Projects, Golf Courses and Parks, and Other Final Utilization Sites | Dry Tons | 83,078 | 102,950 | 91,700 |
| | | Cost | \$ 19,219,920 | \$ 21,168,440 | \$ 23,506,956 |
| | | Cost/Dry Ton | \$ 231.35 | \$ 205.62 | \$ 256.35 |
| 5271 | Pelletizer Disposal | Dry Tons | 42,797 | 40,000 | 43,000 |
| | Control Management and Disposal of Solids by Private Contracts | Cost | \$ 5,125,168 | \$ 5,422,500 | \$ 6,940,400 |
| | | Cost/Dry Ton | \$ 119.76 | \$ 135.56 | \$ 161.40 |
| 7000 | General Support (excludes program number 7604) | | | | |
| | Technical and Administrative Support for Other Departments' Activities Indirectly Related to the Operational Activities of Collection & Treatment, Solids Processing, Flood & Pollution Control, and Solids Utilization | Cost | \$ 2,896,877 | \$ 3,625,697 | \$ 5,679,798 |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 1,345,334 | \$ 1,489,100 | \$ 1,496,400 |
| | Departmental Totals | | \$ 193,914,020 | \$ 239,554,800 | \$ 264,211,100 |

Note: Explanations of significant changes are provided by individual division.

* Revenue generated not included in total costs.

| 101 60000 | Fund: Corporate Department: Maintenance & Operations Division: All Divisions | LINE ITEM ANALYSIS | | | | | | |
|----------------|--|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 90,999,876 | \$ 95,835,900 | \$ 96,491,100 | \$ 93,601,500 | \$ 99,115,600 | \$ 99,091,600 | \$ 100,265,700 |
| 601060 | Compensation Plan Adjustments | 5,136,330 | 7,335,700 | 6,680,500 | 5,115,500 | 5,608,100 | 5,603,800 | 5,634,100 |
| 601070 | Social Security and Medicare Contributions | 1,345,334 | 1,489,100 | 1,489,100 | 1,382,800 | 1,496,400 | 1,496,400 | 1,496,400 |
| 601080 | Salaries of Nonbudgeted Employees | 23,874 | 5,000 | 5,000 | 4,700 | 5,000 | 5,000 | 5,000 |
| 601100 | Tuition and Training Payments | 67,297 | 220,300 | 220,300 | 75,800 | 219,000 | 219,000 | 219,000 |
| 100 | TOTAL PERSONAL SERVICES | 97,572,711 | 104,886,000 | 104,886,000 | 100,180,300 | 106,444,100 | 106,415,800 | 107,620,200 |
| 612010 | Travel | — | 26,400 | 26,400 | 6,800 | 17,200 | 17,200 | 17,200 |
| 612030 | Meals and Lodging | 28,417 | 75,200 | 75,200 | 51,200 | 64,800 | 64,800 | 64,800 |
| 612050 | Compensation for Personally-Owned Automobiles | 73,971 | 121,100 | 121,100 | 71,900 | 109,100 | 109,100 | 109,100 |
| 612080 | Motor Vehicle Operating Services | 238 | 1,600 | 2,500 | 1,400 | 2,000 | 2,000 | 2,000 |
| 612150 | Electrical Energy | 33,396,426 | 50,562,400 | 49,262,400 | 39,017,500 | 55,520,100 | 55,520,100 | 55,258,100 |
| 612160 | Natural Gas | 2,685,459 | 3,993,600 | 3,993,600 | 3,293,100 | 6,892,300 | 6,892,300 | 6,892,300 |
| 612170 | Water and Water Services | 1,694,331 | 1,906,900 | 1,906,900 | 1,466,400 | 1,964,600 | 1,964,600 | 1,964,600 |
| 612240 | Testing and Inspection Services | 182,227 | 277,700 | 277,700 | 122,400 | 208,500 | 208,500 | 208,500 |
| 612330 | Rental Charges | 126,776 | 168,100 | 168,100 | 145,700 | 153,400 | 153,400 | 153,400 |
| 612410 | Governmental Service Charges | 3,839,411 | 4,083,200 | 4,083,200 | 4,075,300 | 4,354,200 | 4,354,200 | 4,354,200 |
| 612420 | Maintenance of Grounds and Pavements | 1,568,551 | 1,943,400 | 1,580,100 | 968,400 | 2,422,200 | 2,366,200 | 2,366,200 |
| 612430 | Payments for Professional Services | 146,929 | 102,100 | 102,100 | 89,300 | 103,500 | 103,500 | 103,500 |
| 612490 | Contractual Services, N.O.C. | 447,219 | 676,500 | 676,500 | 641,300 | 981,900 | 1,075,900 | 1,075,900 |
| 612520 | Waste Material Disposal Charges | 12,209,142 | 13,203,700 | 13,203,700 | 11,782,200 | 14,306,500 | 14,306,500 | 14,306,500 |
| 612530 | Farming Services | 8,280 | 90,000 | 90,000 | 60,000 | 89,200 | 89,200 | 89,200 |
| 612590 | Sludge Disposal | 4,488,774 | 4,500,000 | 5,800,000 | 5,450,000 | 5,800,000 | 5,800,000 | 5,800,000 |
| 612600 | Repairs to Collection Facilities | 2,779,393 | 4,138,300 | 4,708,400 | 3,260,000 | 5,649,100 | 5,649,100 | 5,649,100 |
| 612620 | Repairs to Waterway Facilities | 61,827 | 482,900 | 284,700 | 99,100 | 410,100 | 410,100 | 410,100 |
| 612650 | Repairs to Process Facilities | 9,659,348 | 16,556,400 | 15,663,500 | 12,306,900 | 14,640,200 | 14,640,200 | 14,772,200 |
| 612670 | Repairs to Railroads | 1,007,413 | 719,000 | 979,700 | 720,600 | 476,000 | 476,000 | 476,000 |
| 612680 | Repairs to Buildings | 1,120,203 | 1,532,600 | 1,573,500 | 985,500 | 2,449,200 | 2,411,200 | 2,411,200 |
| 612760 | Repairs to Material Handling and Farming Equipment | 842,605 | 357,900 | 400,100 | 355,600 | 436,000 | 436,000 | 436,000 |
| 612780 | Safety Repairs and Services | 330,231 | 413,700 | 426,400 | 353,300 | 382,000 | 382,000 | 382,000 |
| 612820 | Computer Software Maintenance | 8,919 | 9,600 | 9,600 | 9,600 | 10,100 | 10,100 | 10,100 |

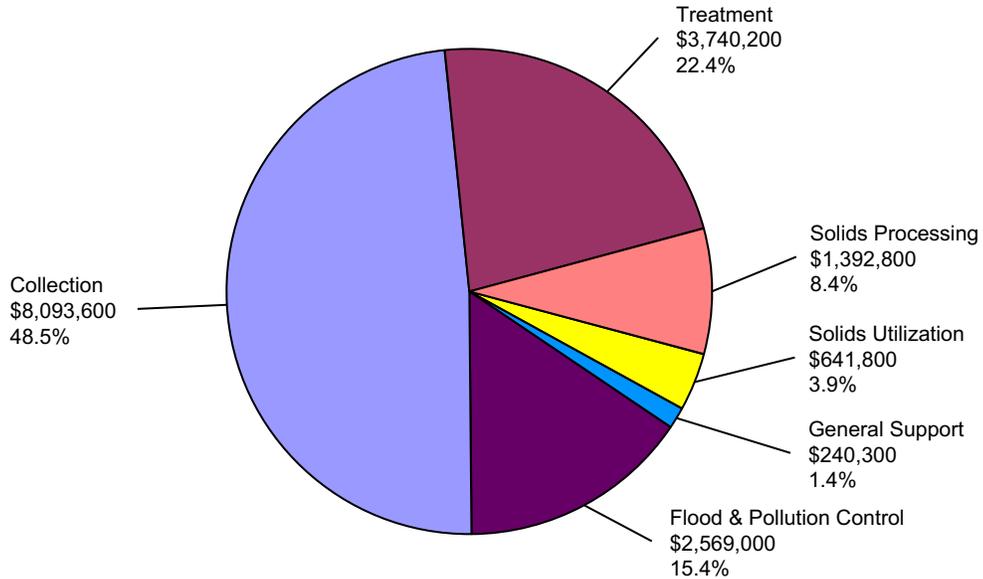
| 101 60000 | Fund: Corporate Department: Maintenance & Operations Division: All Divisions | LINE ITEM ANALYSIS | | | | | | |
|----------------|--|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 612860 | Repairs to Vehicle Equipment | 90,655 | 192,700 | 192,700 | 116,500 | 138,600 | 138,600 | 138,600 |
| 612990 | Repairs, N.O.C. | 10,106 | 23,000 | 23,000 | 6,700 | 24,200 | 24,200 | 24,200 |
| 200 | TOTAL CONTRACTUAL SERVICES | 76,806,851 | 106,158,000 | 105,631,100 | 85,456,700 | 117,605,000 | 117,605,000 | 117,475,000 |
| 623030 | Metals | 27,495 | 30,500 | 32,000 | 28,900 | 32,500 | 32,500 | 32,500 |
| 623070 | Electrical Parts and Supplies | 2,615,299 | 3,615,100 | 4,145,100 | 2,974,500 | 5,357,400 | 5,357,400 | 5,272,400 |
| 623090 | Plumbing Accessories and Supplies | 602,853 | 756,200 | 831,200 | 689,600 | 974,200 | 949,200 | 949,200 |
| 623110 | Hardware | 3,191 | 10,900 | 10,900 | 6,400 | 4,100 | 4,100 | 4,100 |
| 623130 | Buildings, Grounds, Paving Materials, and Supplies | 102,040 | 158,700 | 158,700 | 117,000 | 228,500 | 228,500 | 228,500 |
| 623170 | Fiber, Paper, and Insulation Materials | 5,588 | 5,500 | 5,500 | 5,200 | 5,500 | 5,500 | 5,500 |
| 623190 | Paints, Solvents, and Related Materials | 13,080 | 6,400 | 6,400 | 5,900 | 8,300 | 8,300 | 8,300 |
| 623250 | Vehicle Parts and Supplies | 83,924 | 215,000 | 262,500 | 208,000 | 211,500 | 211,500 | 211,500 |
| 623270 | Mechanical Repair Parts | 3,626,974 | 5,445,600 | 5,735,500 | 4,794,900 | 6,843,500 | 6,843,500 | 6,843,500 |
| 623300 | Manhole Materials | — | 70,000 | 70,000 | — | 70,000 | 70,000 | 70,000 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 37,509 | 63,800 | 69,300 | 59,400 | 64,300 | 64,300 | 64,300 |
| 623530 | Farming Supplies | 3,975 | 4,000 | 4,000 | 3,500 | 4,000 | 4,000 | 4,000 |
| 623560 | Processing Chemicals | 10,462,629 | 14,290,600 | 14,157,700 | 11,563,000 | 19,396,200 | 19,396,200 | 19,396,200 |
| 623570 | Laboratory Testing Supplies, Small Equipment, and Chemicals | 31,210 | 31,500 | 31,500 | 20,500 | 43,500 | 43,500 | 43,500 |
| 623660 | Cleaning Supplies | 2,356 | 6,500 | 6,500 | 4,500 | 5,500 | 5,500 | 5,500 |
| 623680 | Tools and Supplies | 233,132 | 274,200 | 271,700 | 226,800 | 315,200 | 315,200 | 315,200 |
| 623700 | Wearing Apparel | 1,829 | 4,100 | 4,100 | 2,000 | 4,100 | 4,100 | 4,100 |
| 623780 | Safety and Medical Supplies | 49,905 | 55,200 | 52,200 | 35,700 | 55,200 | 55,200 | 55,200 |
| 623800 | Computer Software | 18,343 | 36,300 | 10,800 | 10,700 | 41,300 | 41,300 | 41,300 |
| 623810 | Computer Supplies | 28,892 | 40,400 | 40,400 | 25,100 | 57,900 | 57,900 | 57,900 |
| 623820 | Fuel | 275,043 | 355,500 | 420,500 | 427,500 | 579,600 | 607,900 | 607,900 |
| 623840 | Gases | 140 | — | — | — | — | — | — |
| 623850 | Communications Supplies | 14,164 | 15,000 | 9,000 | 8,500 | 25,000 | 25,000 | 25,000 |
| 623860 | Lubricants | 15,617 | 42,200 | 62,600 | 58,900 | 42,200 | 67,200 | 67,200 |
| 623990 | Materials and Supplies, N.O.C. | 93,515 | 101,600 | 101,600 | 87,900 | 112,400 | 112,400 | 112,400 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 18,348,701 | 25,634,800 | 26,499,700 | 21,364,400 | 34,481,900 | 34,510,200 | 34,425,200 |
| 634600 | Equipment for Collection Facilities | 20,467 | 115,000 | 95,000 | 51,300 | 122,500 | 122,500 | 122,500 |
| 634620 | Equipment for Waterway Facilities | 87,017 | 54,000 | 54,000 | 53,600 | — | — | — |
| 634650 | Equipment for Process Facilities | 394,668 | 870,000 | 768,000 | 428,100 | 1,093,000 | 1,093,000 | 1,578,000 |

| 101 Fund: Corporate 60000 Department: Maintenance & Operations Division: All Divisions | | LINE ITEM ANALYSIS | | | | | | |
|--|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 634670 | Railroad Equipment | 24,958 | — | — | — | — | — | — |
| 634760 | Material Handling and Farming Equipment | 319,087 | 330,000 | 350,000 | 350,000 | 313,000 | 313,000 | 1,502,000 |
| 634860 | Vehicle Equipment | 289,106 | 1,169,000 | 954,800 | 597,900 | 1,966,200 | 1,966,200 | 907,200 |
| 634990 | Machinery and Equipment, N.O.C. | 50,454 | 338,000 | 316,200 | 158,800 | 981,000 | 981,000 | 581,000 |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 1,185,757 | 2,876,000 | 2,538,000 | 1,639,700 | 4,475,700 | 4,475,700 | 4,690,700 |
| TOTAL MAINTENANCE & OPERATIONS | | \$193,914,020 | \$ 239,554,800 | \$ 239,554,800 | \$208,641,100 | \$263,006,700 | \$ 263,006,700 | \$ 264,211,100 |

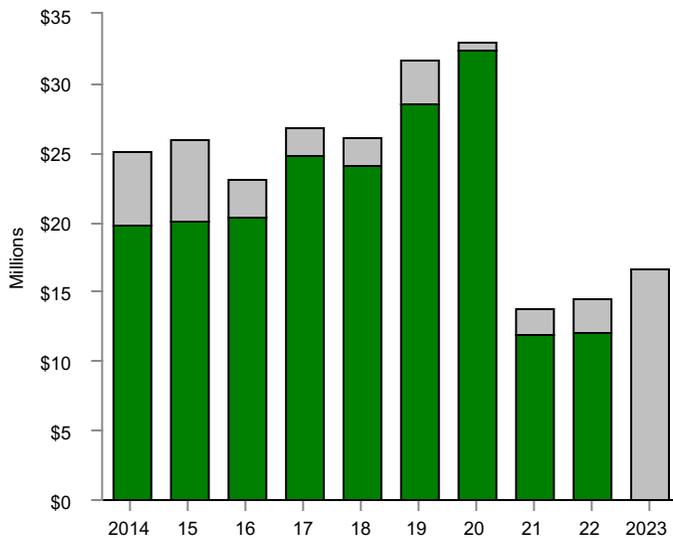
NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

MAINTENANCE & OPERATIONS - GENERAL DIVISION FUNCTIONS

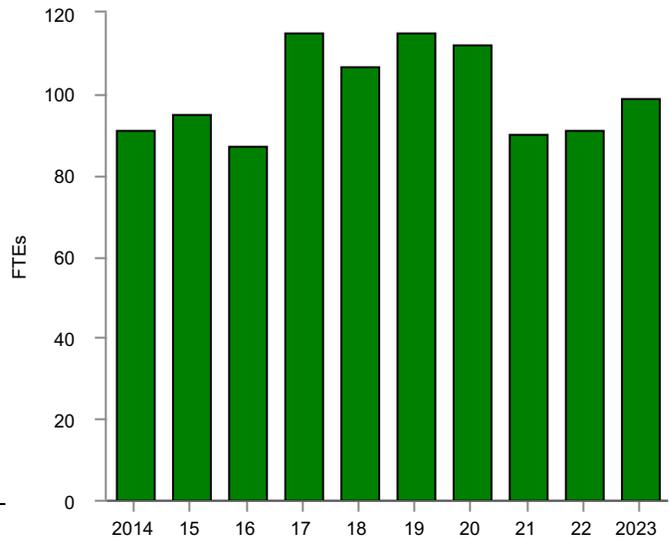
| | |
|----------|--------------|
| 2023 | \$16,677,700 |
| 2022 | \$14,526,600 |
| Increase | \$2,151,100 |



APPROPRIATIONS & EXPENDITURES



BUDGETED FTE POSITIONS



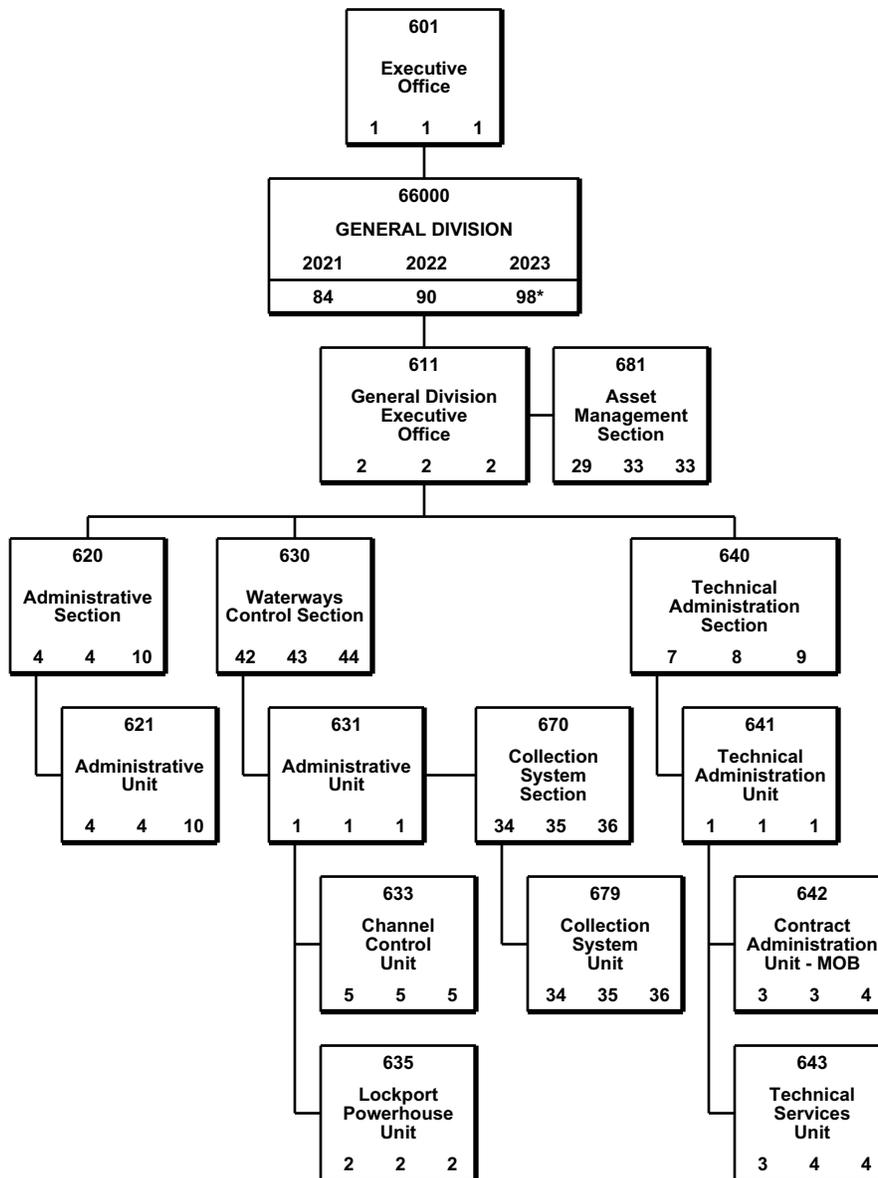
2022 Expenditures are estimated

■ EXPENDITURES ■ APPROPRIATIONS

2016 - Decrease is due to organizational redesign.
2017 - Increase is due to the transfer of various positions to the Asset Management Section.
2019 - Increase is due to the transfer of the Biosolids Processing Facility (Pelletizer) from the Stickney Service Area.
2021 - Decrease is due to the transfer of the Site Remediation Section to the Law Department and the Solids Management Section to the Calumet and Stickney Service Areas.

2016 - Decrease is due to organizational redesign.
2017 - Increase is due to the transfer of various positions to the Asset Management Section.
2021 - Decrease is due to the transfer of the Site Remediation Section to the Law Department and the Solids Management Section to the Calumet and Stickney Service Areas.
2023 - Increase is due to the transfer of various Budget and Management Analyst positions to the General Division.

MAINTENANCE & OPERATIONS - GENERAL DIVISION



* In 2023, 19 positions in the General Division are funded by the Stormwater Management Fund while the operations remain in the Maintenance & Operations Department: two in Unit 634, six in Unit 636, five in Unit 639, and six in Unit 679.

66000 M&O - GENERAL DIVISION

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|---|----------------------|----------------|
| 1. COLLECTION & TREATMENT: The General Division provides technical and administrative support to the Maintenance & Operations Department's seven treatment facilities. It provides management and coordination of the collection system related activities. | \$ 11,833,800 | 70.9 % |
| 2. SOLIDS PROCESSING: The General Division provides administrative support for the removal and processing of solids through various systems, including heated digestion, centrifuging, air drying, and conditioning of low solids sludge and centrifuge cake in lagoons. | \$ 1,392,800 | 8.4 % |
| 3. SOLIDS UTILIZATION: The General Division provides administrative support for management and coordination of biosolids processing and utilization of District-wide activities. | \$ 641,800 | 3.9 % |
| 4. FLOOD & POLLUTION CONTROL: The Waterways Control Section minimizes flooding and pollution of Lake Michigan through continuous control of the water levels of major rivers and canals, while limiting diversion of water from the lake in accordance with the U.S. Supreme Court Decree of 1967. In addition, the Waterways Control Section operates the Lockport Powerhouse and will generate an estimated 33 million kWh of electrical energy resulting in approximately \$1.2 million in revenue. | \$ 2,569,000 | 15.4 % |
| 5. GENERAL SUPPORT: The General Division provides technical and administrative support for other departments not directly related to the operational activities of Collection & Treatment, Solids Processing, Solids Utilization, and Flood & Pollution Control. | \$ 240,300 | 1.4 % |
| Division Totals | \$ 16,677,700 | 100.0 % |

66000 M&O - GENERAL DIVISION

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|-----------------------|------------------------------------|--------------|----------|-----------------|--------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 1000 | Collection | \$ 5,692,090 | 2023 | 47 \$ 8,093,600 | \$ 1,295,155 | 19.1 | |
| | | | 2022 | 45 \$ 6,798,445 | | | |
| 1100 | Surface Interceptor Systems | \$ 2,780,770 | 2023 | 21 \$ 3,346,900 | \$ 274,000 | 8.9 | a) |
| | | | 2022 | 20 \$ 3,072,900 | | | |
| 1200 | Tunnel and Reservoir System | \$ 762,438 | 2023 | 7 \$ 1,417,400 | \$ 367,100 | 35.0 | b) |
| | | | 2022 | 7 \$ 1,050,300 | | | |
| 1300 | Pumping Station Facilities | \$ 608,709 | 2023 | 6 \$ 673,100 | \$ (3,400) | (0.5) | |
| | | | 2022 | 6 \$ 676,500 | | | |
| 1900 | Collection - Indirect Costs | \$ 1,540,173 | 2023 | 13 \$ 2,656,200 | \$ 657,455 | 32.9 | c) |
| | | | 2022 | 12 \$ 1,998,745 | | | |
| 2000 | Treatment | \$ 2,711,414 | 2023 | 24 \$ 3,574,300 | \$ 218,580 | 6.5 | |
| | | | 2022 | 23 \$ 3,355,720 | | | |
| 2000 | Pre-Treatment | \$ 131,632 | 2023 | 1 \$ 147,800 | \$ 9,800 | 7.1 | |
| | | | 2022 | 1 \$ 138,000 | | | |
| 2100 | Primary Treatment | \$ 144,381 | 2023 | 2 \$ 177,600 | \$ 9,800 | 5.8 | |
| | | | 2022 | 2 \$ 167,800 | | | |
| 2200 | Secondary Treatment | \$ 406,870 | 2023 | 4 \$ 543,400 | \$ 125,300 | 30.0 | d) |
| | | | 2022 | 3 \$ 418,100 | | | |
| 2300 | Tertiary Treatment | \$ 43,869 | 2023 | — \$ 48,700 | \$ (15,000) | (23.5) | e) |
| | | | 2022 | 1 \$ 63,700 | | | |
| 2900 | Treatment - Indirect Costs | \$ 1,984,662 | 2023 | 17 \$ 2,656,800 | \$ 88,680 | 3.5 | |
| | | | 2022 | 16 \$ 2,568,120 | | | |
| 3000 | Solids Processing | \$ 924,155 | 2023 | 10 \$ 1,392,800 | \$ 205,055 | 17.3 | |
| | | | 2022 | 7 \$ 1,187,745 | | | |
| 3100 | Thickening | \$ 154,693 | 2023 | 2 \$ 169,900 | \$ 5,500 | 3.3 | |
| | | | 2022 | 1 \$ 164,400 | | | |
| 3200 | Stabilization | \$ 70,990 | 2023 | 1 \$ 122,900 | \$ 4,900 | 4.2 | |
| | | | 2022 | 1 \$ 118,000 | | | |
| 3300 | Dewatering | \$ 31,884 | 2023 | — \$ 33,800 | \$ 1,300 | 4.0 | |
| | | | 2022 | — \$ 32,500 | | | |
| 3900 | Solids Processing - Indirect Costs | \$ 666,588 | 2023 | 7 \$ 1,066,200 | \$ 193,355 | 22.2 | f) |
| | | | 2022 | 5 \$ 872,845 | | | |

- a) Increase is due to an increased cost for collection systems cleaning (\$122,500) and the reallocation of salaries to more accurately reflect current activities (\$102,200).
- b) Increase is due to the procurement of Janus wireless telemetry parts (\$184,400) and Tunnel and Reservoir Plan hydraulic cylinders (\$180,000).
- c) Increase is due to the request for utility locating and marking services (\$330,000), an increased cost of the Solarbee service agreement (\$145,000), and the request for tree cutting and removal (\$95,000).
- d) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$125,600).
- e) Decrease is due to the reallocation of salaries to more accurately reflect current activities (\$14,900).
- f) Increase is due to the transfer in of one FTE position (\$122,900) and the reallocation of salaries to more accurately reflect current activities (\$88,300).

66000 M&O - GENERAL DIVISION

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|-----------------------|--|--------------|----------|------------------|--------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 4000 | Flood & Pollution Control | \$ 2,059,330 | 2023 | 12 \$ 2,569,000 | \$ 112,655 | 4.6 | g) |
| | | | 2022 | 13 \$ 2,456,345 | | | |
| 4200 | Waterways Control and Stormwater Reservoirs | \$ 1,614,734 | 2023 | 10 \$ 1,917,800 | \$ 58,600 | 3.2 | |
| | | | 2022 | 11 \$ 1,859,200 | | | |
| 4210 | Maintenance of Waterways | \$ 49,361 | 2023 | — \$ 143,100 | \$ 42,400 | 42.1 | |
| | | | 2022 | — \$ 100,700 | | | |
| 4300 | Stormwater Management | \$ 33,229 | 2023 | — \$ — | \$ — | — | |
| | | | 2022 | — \$ — | | | |
| 4400 | Aeration Facilities | \$ 139,993 | 2023 | 1 \$ 159,500 | \$ 900 | 0.6 | |
| | | | 2022 | 1 \$ 158,600 | | | |
| 4900 | Flood & Pollution Control - Indirect Costs | \$ 222,013 | 2023 | 1 \$ 348,600 | \$ 10,755 | 3.2 | |
| | | | 2022 | 1 \$ 337,845 | | | |
| 5000 | Solids Utilization | \$ 360,777 | 2023 | 4 \$ 641,800 | \$ 98,455 | 18.1 | |
| | | | 2022 | 3 \$ 543,345 | | | |
| 5200 | Solids Distribution | \$ 44 | 2023 | — \$ — | \$ — | — | |
| | | | 2022 | — \$ — | | | |
| 5900 | Solids Utilization - Indirect Costs | \$ 360,733 | 2023 | 4 \$ 641,800 | \$ 98,455 | 18.1 | h) |
| | | | 2022 | 3 \$ 543,345 | | | |
| 7000 | General Support (excludes program number 7604) | \$ 22,413 | 2023 | 2 \$ 240,300 | \$ 215,200 | 857.4 | i) |
| | | | 2022 | — \$ 25,100 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 140,317 | 2023 | — \$ 165,900 | \$ 6,000 | 3.8 | |
| | | | 2022 | — \$ 159,900 | | | |
| Division Totals | | \$11,910,496 | 2023 | 99 \$ 16,677,700 | \$ 2,151,100 | 14.8 % | * |
| | | | 2022 | 91 \$ 14,526,600 | | | |

g) Increase is due to an increased cost for the expansion joint replacement at the Main Street Bridge (\$50,000).

h) Increase is due to the transfer in of one FTE position (\$122,900).

i) Increase is due to the transfer in of one FTE position (\$122,900) and the reallocation of salaries to more accurately reflect current activities (\$92,200).

* The 2023 position total for the General Division is 99, with 19 positions budgeted in the Stormwater Management Fund.

66000 M&O - GENERAL DIVISION

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|--|----------------------------|------------------------|-------------------|---------------------|----|
| 1000-2900 | Collection & Treatment | | | | | |
| | Technical and Administrative Support for Collection and Treatment Activities | Cost | \$ 8,403,504 | \$ 10,154,165 | \$ 11,667,900 | a) |
| 3000 | Solids Processing | | | | | |
| | Technical and Administrative Support for Solids Removal and Processing | Cost | \$ 924,155 | \$ 1,187,745 | \$ 1,392,800 | b) |
| 4000 | Flood & Pollution Control | | | | | |
| 4200 | Operation and Maintenance of the Waterways to Minimize Area Flooding and Pollution | Cost | \$ 1,014,210 | \$ 1,255,700 | \$ 1,300,200 | |
| | Generate Electrical Energy at Lockport Powerhouse to Obtain Approximately \$1.2 million in Revenue | kWh | 32,463,270 | 30,000,000 | 33,000,000 | |
| | | Cost | \$ 206,040 | \$ 247,100 | \$ 242,200 | |
| | | Cost/kWh | \$ 0.0063 | \$ 0.0082 | \$ 0.0073 | |
| | | <i>* Revenue Generated</i> | <i>\$ 1,307,901.39</i> | <i>\$ 825,000</i> | <i>\$ 1,200,000</i> | |
| | Minimize Diversion of Lake Michigan Water in Accordance with the U.S. Supreme Court Decree | Mil. Gal./Year | 42,729 | 60,152 | 60,152 | |
| | | Cost | \$ 394,484 | \$ 356,400 | \$ 375,400 | |
| | | Cost/Mil. Gal./Year | \$ 9.23 | \$ 5.92 | \$ 6.24 | |
| 4210 | Maintenance of the Waterways and Canal Banks Within the Jurisdiction of the District. Activities Include Debris Removal, Insect and Rodent Control, Bridge Repairs, and Aeration Costs | Cost | \$ 49,361 | \$ 100,700 | \$ 143,100 | c) |
| 4300 | Stormwater Management | Cost | \$ 33,229 | \$ — | \$ — | |
| 4400 | Aeration Facilities | Cost | \$ 139,993 | \$ 158,600 | \$ 159,500 | |
| 4900 | Flood & Pollution Control - Indirect Costs | Cost | \$ 222,013 | \$ 337,845 | \$ 348,600 | |
| 5000 | Solids Utilization | | | | | |
| | Technical and Administrative Support for the Management and Coordination of the Solids Utilization Program | Cost | \$ 360,777 | \$ 543,345 | \$ 641,800 | d) |

a) Increase is due to the request for utility locating and marking services (\$330,000), the reallocation of salaries to more accurately reflect current activities (\$304,900), the transfer in of two FTE positions (\$245,700), the procurement of Janus wireless telemetry parts (\$184,400) and Tunnel and Reservoir Plan hydraulic cylinders (\$180,000), and an increased cost of the Solarbee service agreement (\$145,000) and collection systems cleaning (\$122,500).

b) Increase is due to the transfer in of one FTE position (\$122,900) and the reallocation of salaries to more accurately reflect current activities (\$100,300).

c) Increase is due to an increased cost for the expansion joint replacement at the Main Street Bridge (\$50,000).

d) Increase is due to the transfer in of one FTE position (\$122,900).

66000 M&O - GENERAL DIVISION

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|---|---|------|---------------|---------------|----------------|----|
| 7000 | General Support (excludes program number 7604) | | | | | |
| | Technical and Administrative Support for Other Departments' Activities Indirectly Related to the Operational Activities of Collection & Treatment, Solids Processing, Flood & Pollution Control, and Solids Utilization | Cost | \$ 22,413 | \$ 25,100 | \$ 240,300 | e) |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 140,317 | \$ 159,900 | \$ 165,900 | |
| Division Totals | | | \$ 11,910,496 | \$ 14,526,600 | \$ 16,677,700 | |
| <p>e) Increase is due to the transfer in of one FTE position (\$122,900) and the reallocation of salaries to more accurately reflect current activities (\$92,200).</p> <p>* Revenue generated not included in total costs.</p> | | | | | | |

| 101 66000 | Fund: Corporate Department: Maintenance & Operations Division: General | LINE ITEM ANALYSIS | | | | | | |
|----------------|--|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 9,536,750 | \$ 10,674,800 | \$ 10,728,500 | \$ 9,794,900 | \$ 11,698,900 | \$ 11,699,000 | \$ 11,990,700 |
| 601060 | Compensation Plan Adjustments | 505,202 | 876,200 | 822,500 | 247,100 | 649,800 | 649,700 | 653,300 |
| 601070 | Social Security and Medicare Contributions | 140,317 | 159,900 | 159,900 | 140,200 | 165,900 | 165,900 | 165,900 |
| 601100 | Tuition and Training Payments | 10,879 | 24,700 | 24,700 | 8,700 | 25,100 | 25,100 | 25,100 |
| 100 | TOTAL PERSONAL SERVICES | 10,193,148 | 11,735,600 | 11,735,600 | 10,190,900 | 12,539,700 | 12,539,700 | 12,835,000 |
| 612010 | Travel | — | 2,000 | 2,000 | — | 500 | 500 | 500 |
| 612030 | Meals and Lodging | 470 | 2,200 | 2,200 | 900 | 4,700 | 4,700 | 4,700 |
| 612050 | Compensation for Personally-Owned Automobiles | 3,780 | 9,100 | 9,100 | 2,900 | 9,100 | 9,100 | 9,100 |
| 612080 | Motor Vehicle Operating Services | 88 | 300 | 1,200 | 600 | 700 | 700 | 700 |
| 612150 | Electrical Energy | 26,535 | 72,600 | 72,600 | 24,600 | 37,500 | 37,500 | 37,500 |
| 612160 | Natural Gas | 3,174 | 4,800 | 4,800 | 4,500 | 6,900 | 6,900 | 6,900 |
| 612170 | Water and Water Services | 10,725 | 35,100 | 35,100 | 11,500 | 35,100 | 35,100 | 35,100 |
| 612240 | Testing and Inspection Services | — | 4,100 | 4,100 | — | 4,100 | 4,100 | 4,100 |
| 612410 | Governmental Service Charges | 15,707 | 16,000 | 16,000 | 15,800 | 16,000 | 16,000 | 16,000 |
| 612420 | Maintenance of Grounds and Pavements | 12,130 | 47,000 | 47,000 | 40,600 | 167,000 | 167,000 | 167,000 |
| 612430 | Payments for Professional Services | 84,240 | 8,500 | 8,800 | 8,800 | 9,900 | 9,900 | 9,900 |
| 612490 | Contractual Services, N.O.C. | 70,698 | 70,000 | 70,000 | 67,000 | 401,100 | 401,100 | 401,100 |
| 612520 | Waste Material Disposal Charges | 1,520 | 8,000 | 8,000 | 3,000 | 8,000 | 8,000 | 8,000 |
| 612600 | Repairs to Collection Facilities | 910,430 | 1,332,500 | 1,529,800 | 1,197,400 | 1,590,000 | 1,590,000 | 1,590,000 |
| 612620 | Repairs to Waterway Facilities | 61,827 | 482,900 | 284,700 | 99,100 | 410,100 | 410,100 | 410,100 |
| 612680 | Repairs to Buildings | 9,575 | 22,000 | 12,000 | 7,000 | 22,000 | 22,000 | 22,000 |
| 612780 | Safety Repairs and Services | 5,301 | 7,500 | 7,500 | 7,200 | 9,900 | 9,900 | 9,900 |
| 612860 | Repairs to Vehicle Equipment | 36,583 | 62,900 | 62,900 | 47,500 | 34,000 | 34,000 | 34,000 |
| 612990 | Repairs, N.O.C. | — | 3,000 | 3,000 | — | 4,200 | 4,200 | 4,200 |
| 200 | TOTAL CONTRACTUAL SERVICES | 1,252,781 | 2,190,500 | 2,180,800 | 1,538,400 | 2,770,800 | 2,770,800 | 2,770,800 |
| 623070 | Electrical Parts and Supplies | 7,902 | 21,000 | 17,800 | 15,500 | 533,300 | 533,300 | 533,300 |
| 623090 | Plumbing Accessories and Supplies | 2,169 | 5,000 | 2,500 | 500 | 5,000 | 5,000 | 5,000 |
| 623110 | Hardware | 513 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| 623130 | Buildings, Grounds, Paving Materials, and Supplies | 2,609 | 10,000 | 8,000 | — | 5,500 | 5,500 | 5,500 |
| 623250 | Vehicle Parts and Supplies | 1,341 | 2,500 | 2,100 | 1,100 | 2,500 | 2,500 | 2,500 |
| 623270 | Mechanical Repair Parts | 126,379 | 136,000 | 105,700 | 45,800 | 191,000 | 191,000 | 191,000 |
| 623300 | Manhole Materials | — | 70,000 | 70,000 | — | 70,000 | 70,000 | 70,000 |

| 101 Fund: Corporate 66000 Department: Maintenance & Operations Division: General | | LINE ITEM ANALYSIS | | | | | | |
|--|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 4,176 | 10,500 | 7,000 | 3,500 | 10,500 | 10,500 | 10,500 |
| 623560 | Processing Chemicals | 143,974 | 232,700 | 202,200 | 123,800 | 202,700 | 202,700 | 202,700 |
| 623680 | Tools and Supplies | 20,870 | 30,000 | 29,000 | 7,800 | 25,000 | 25,000 | 25,000 |
| 623700 | Wearing Apparel | 1,829 | 3,500 | 3,500 | 1,800 | 3,500 | 3,500 | 3,500 |
| 623780 | Safety and Medical Supplies | 23,203 | 15,000 | 15,000 | 12,500 | 15,000 | 15,000 | 15,000 |
| 623810 | Computer Supplies | — | 5,900 | 5,900 | 5,100 | 5,900 | 5,900 | 5,900 |
| 623990 | Materials and Supplies, N.O.C. | — | 2,400 | 2,400 | — | — | — | — |
| 300 | TOTAL MATERIALS AND SUPPLIES | 334,965 | 546,500 | 473,100 | 219,400 | 1,071,900 | 1,071,900 | 1,071,900 |
| 634620 | Equipment for Waterway Facilities | 87,017 | 54,000 | 54,000 | 53,600 | — | — | — |
| 634760 | Material Handling and Farming Equipment | 42,585 | — | — | — | — | — | — |
| 634990 | Machinery and Equipment, N.O.C. | — | — | 19,000 | 18,800 | — | — | — |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 129,602 | 54,000 | 73,000 | 72,400 | — | — | — |
| TOTAL GENERAL DIVISION | | \$ 11,910,496 | \$ 14,526,600 | \$ 14,462,500 | \$ 12,021,100 | \$ 16,382,400 | \$ 16,382,400 | \$ 16,677,700 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation for a specific division as funding is controlled at the M&O Overall department-level or when transfers of funds are anticipated.

| Fund: Corporate Dept: Maintenance & Operations Division: General | | POSITION ANALYSIS | | | | |
|--|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 601 | Executive Office | | | | | |
| EX14 | Director of Maintenance & Operations | 1 | 1 | | 1 | |
| TOTAL 601 | Executive Office | 1 | 1 | 291,995 | 1 | 303,675 |
| 611 | General Division Executive Office | | | | | |
| HP22 | Assistant Director of Maintenance & Operations | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 611 | General Division Executive Office | 2 | 2 | 318,063 | 2 | 334,613 |
| 620 | Administrative Section | | | | | |
| 621 | Administrative Unit | | | | | |
| HP18 | Supervising Budget & Management Analyst | 1 | 1 | | 1 | |
| HP16 | Senior Budget & Management Analyst | 1 | 1 | | 2 | |
| HP14 | Budget & Management Analyst | 2 | 2 | | 7 | |
| TOTAL 621 | Administrative Unit | 4 | 4 | 518,703 | 10 | 1,174,133 |
| TOTAL 620 | Administrative Section | 4 | 4 | 518,703 | 10 | 1,174,133 |
| 630 | Waterways Control Section | | | | | |
| 631 | Administrative Unit | | | | | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |
| TOTAL 631 | Administrative Unit | 1 | 1 | 196,546 | 1 | 213,917 |
| 633 | Channel Control Unit | | | | | |
| NR6271 | Systems Dispatcher | 5 | 5 | | 5 | |
| TOTAL 633 | Channel Control Unit | 5 | 5 | 624,832 | 5 | 666,016 |
| 635 | Lockport Powerhouse Unit | | | | | |
| NR7394 | Powerhouse Mechanic Leadman | 1 | 1 | | 1 | |
| NR7393 | Powerhouse Mechanic | 1 | 1 | | 1 | |
| TOTAL 635 | Lockport Powerhouse Unit | 2 | 2 | 259,002 | 2 | 276,099 |
| 670 | Collection System Section | | | | | |
| 679 | Collection System Unit | | | | | |
| HP17 | Senior Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Civil Engineer | — | — | | 1 | |
| HP14 | Engineering Technician V | 6 | 6 | | 6 | |

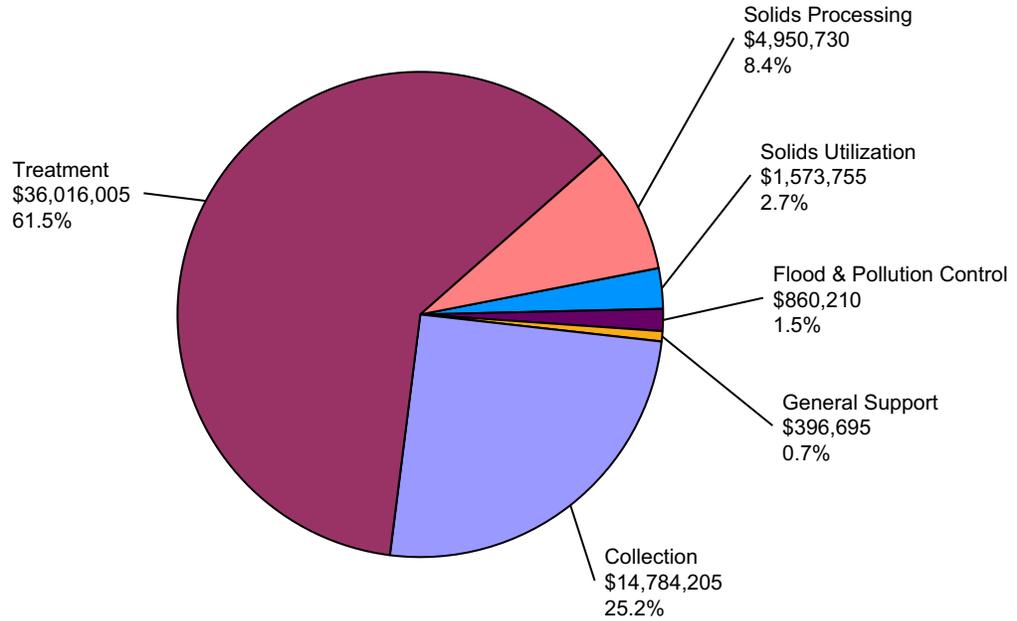
| Fund: Corporate Dept: Maintenance & Operations Division: General | | POSITION ANALYSIS | | | | |
|--|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP12 | Engineering Technician IV | — | 1 | | 1 | |
| HP11 | Engineering Technician III | 1 | 1 | | 1 | |
| NR8331 | Laborer Foreman | 6 | 6 | | 6 | |
| NR8650 | Maintenance Laborer Class A Shift | 14 | 14 | | 14 | |
| PR6473 | Truck Driver | 6 | 6 | | 6 | |
| TOTAL 679 | Collection System Unit | 34 | 35 | 3,288,245 | 36 | 3,555,711 |
| TOTAL 670 | Collection System Section | 34 | 35 | 3,288,245 | 36 | 3,555,711 |
| TOTAL 630 | Waterways Control Section | 42 | 43 | 4,368,625 | 44 | 4,711,743 |
| 640 | Technical Administration Section | | | | | |
| 641 | Technical Administration Unit | | | | | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |
| TOTAL 641 | Technical Administration Unit | 1 | 1 | 187,406 | 1 | 204,408 |
| 642 | Contract Administration Unit - MOB | | | | | |
| HP18 | Principal Engineer | 1 | 1 | | 1 | |
| HP17 | Senior Mechanical Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP14 | Assistant Civil Engineer | — | — | | 1 | |
| TOTAL 642 | Contract Administration Unit - MOB | 3 | 3 | 442,182 | 4 | 556,996 |
| 643 | Technical Services Unit | | | | | |
| HP18 | Principal Engineer | 1 | 1 | | 1 | |
| HP17 | Senior Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP14 | Assistant Civil Engineer | — | 1 | | 1 | |
| TOTAL 643 | Technical Services Unit | 3 | 4 | 499,167 | 4 | 497,612 |
| TOTAL 640 | Technical Administration Section | 7 | 8 | 1,128,756 | 9 | 1,259,016 |
| 681 | Asset Management Section | | | | | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Electrical Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Mechanical Engineer | 3 | 3 | | 3 | |
| HP17 | Senior Electrical Engineer | 5 | 5 | | 5 | |
| HP17 | Senior Engineer | 1 | 1 | | 1 | |

| Fund: Corporate Dept: Maintenance & Operations Division: General | | POSITION ANALYSIS | | | | |
|--|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP17 | Senior Mechanical Engineer | 4 | 4 | | 4 | |
| HP15 | Associate Electrical Engineer | 3 | 5 | | 5 | |
| HP15 | Associate Mechanical Engineer | 5 | 5 | | 5 | |
| HP14 | Assistant Electrical Engineer | 1 | 2 | | 2 | |
| HP14 | Assistant Mechanical Engineer | 2 | 3 | | 3 | |
| HP14 | Engineering Technician V | 2 | 2 | | 2 | |
| TOTAL 681 | Asset Management Section | 29 | 33 | 4,211,805 | 33 | 4,390,810 |
| TOTAL | Maintenance & Operations General Division | 85 | 91 | 10,837,947 | 99 | 12,173,989 |

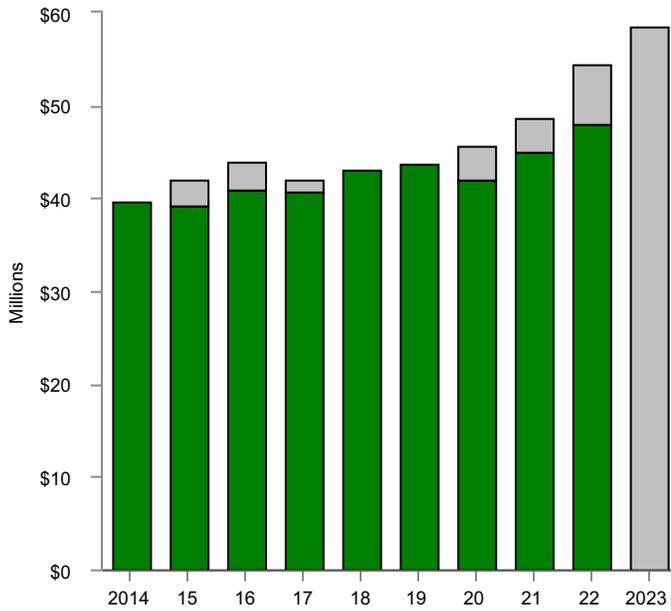
NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

MAINTENANCE & OPERATIONS - NORTH SERVICE AREA FUNCTIONS

| | |
|----------|--------------|
| 2023 | \$58,581,600 |
| 2022 | \$54,332,100 |
| Increase | \$4,249,500 |



APPROPRIATIONS & EXPENDITURES

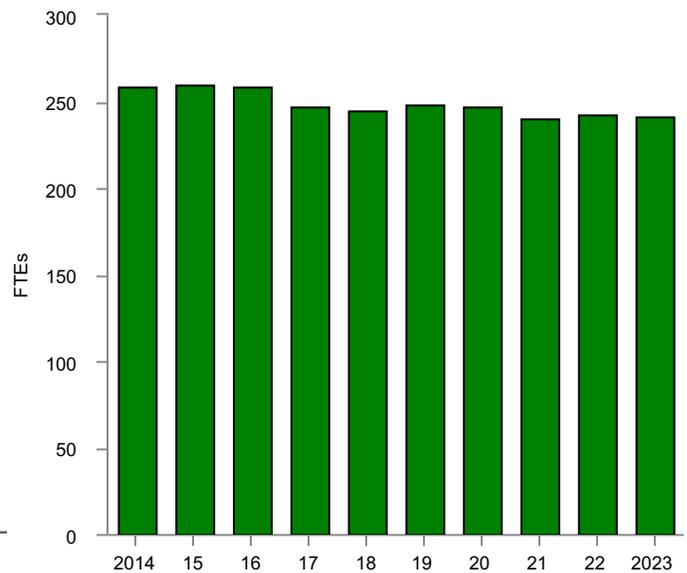


2022 Expenditures are estimated

■ EXPENDITURES ■ APPROPRIATIONS

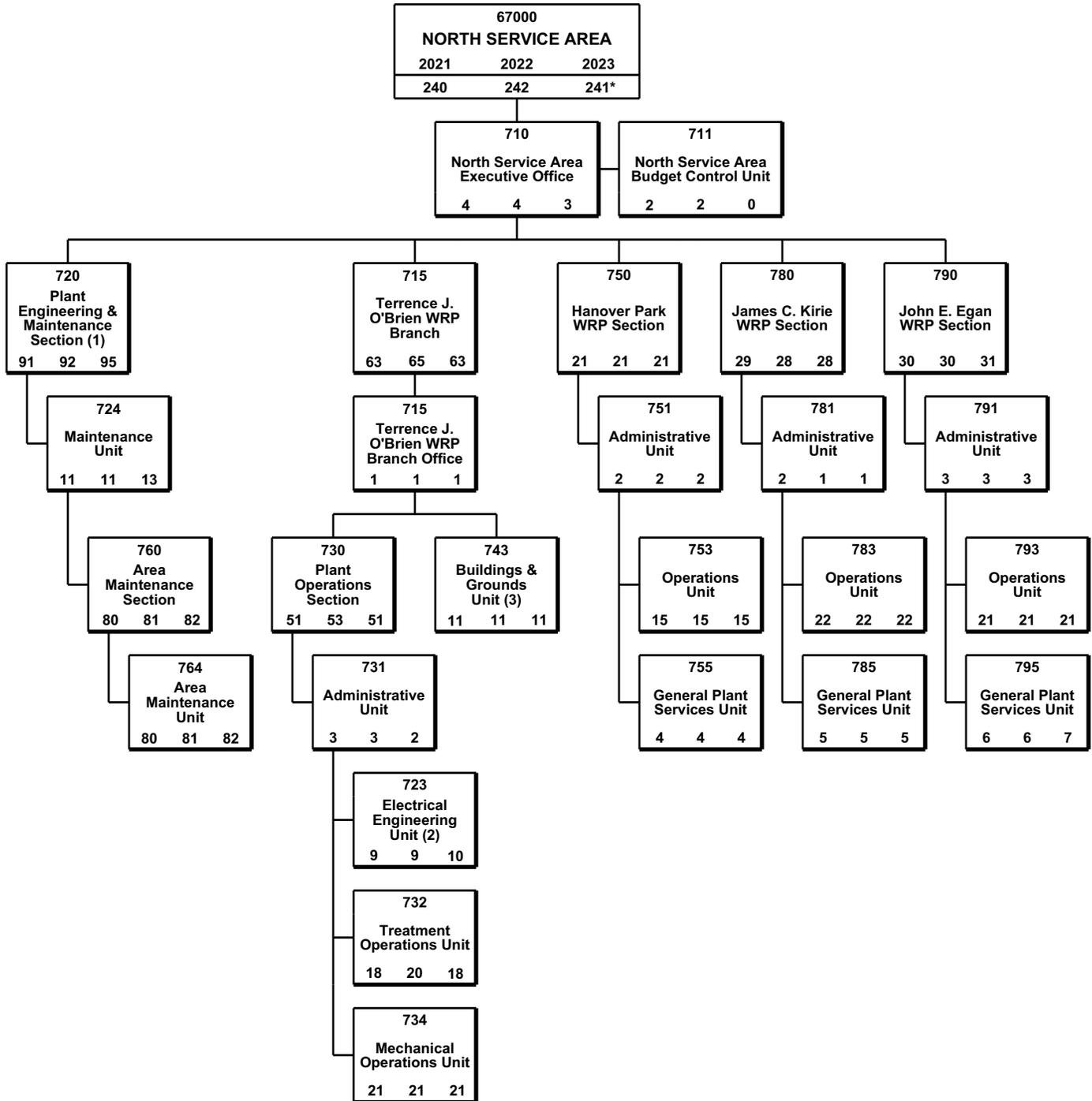
2022, 2023 - Increase is due to rising costs of electrical energy, natural gas, and chemicals.

BUDGETED FTE POSITIONS



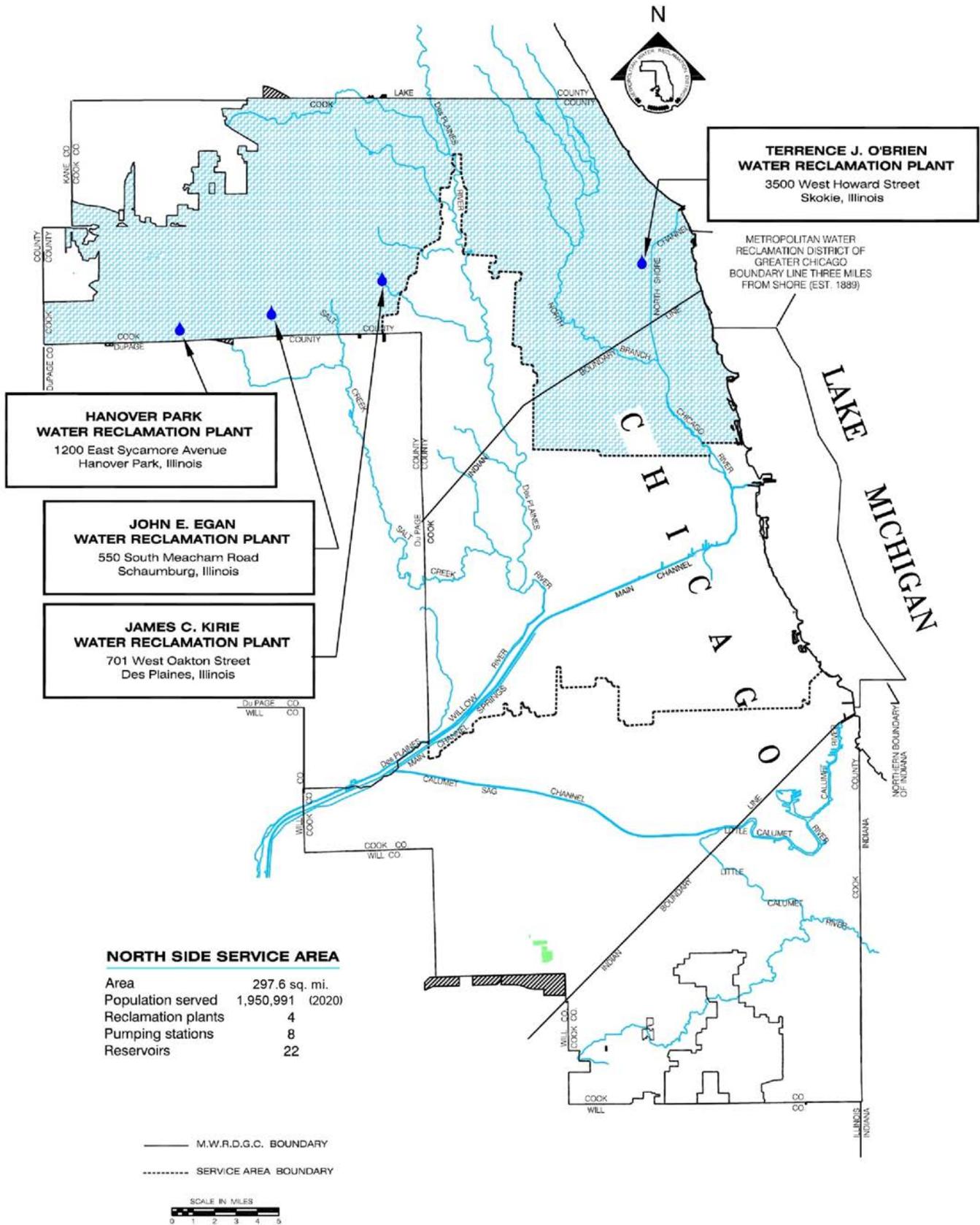
2017 - Decrease is due to organizational redesign.

MAINTENANCE & OPERATIONS - NORTH SERVICE AREA



* In 2023, there are no positions funded by the Stormwater Management Fund.

- (1) Effective 01/01/22, Section 720 was transferred out of Branch 715.
- (2) Effective 01/01/22, Unit 723 was transferred from Section 720 to Section 730.
- (3) Effective 01/01/22, Unit 743 was transferred from Section 720 to Branch 715.



67000 M&O - NORTH SERVICE AREA

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | | | | Cost | Percent |
|-------------------------|--|-----------------|---------|------------------------|-----------------------------|
| 1. | COLLECTION & TREATMENT: The North Service Area will collect and treat approximately 114.8 billion gallons of wastewater through its treatment facilities and a contract agreement with the Fox River Water Reclamation District. | | | \$50,800,210 | 86.7 % |
| | | Design: Flows ^ | CBOD * | SS * | |
| | Terrence J. O'Brien Water Reclamation Plant | 333 MGD | 10 mg/L | 12 mg/L | |
| | John E. Egan Water Reclamation Plant | 30 MGD | 10 mg/L | 12 mg/L | |
| | Hanover Park Water Reclamation Plant | 12 MGD | 10 mg/L | 12 mg/L | |
| | James C. Kirie Water Reclamation Plant | 52 MGD | 4 mg/L | 5 mg/L | |
| | Fox River Water Reclamation District | 4 MGD | — | — | |
| | ^ In millions of gallons per day (MGD). | | | | |
| | * National Pollutant Discharge Elimination System monthly effluent quality standards in milligrams per liter: | | | | |
| | CBOD - Carbonaceous Biochemical Oxygen Demand | | | | |
| | SS - Suspended Solids | | | | |
| 2. | SOLIDS PROCESSING: The North Service Area will remove 59,800 dry tons and process 15,800 dry tons of solids through various systems, including concentration and heated anaerobic digestion for further processing at the Stickney WRP. | | | \$ 4,950,730 | 8.4 % |
| 3. | SOLIDS UTILIZATION: The North Service Area will provide support to utilize 700 dry tons of biosolids for the Fischer Farm in Hanover Park and other agricultural applications. | | | \$ 1,573,755 | 2.7 % |
| 4. | FLOOD & POLLUTION CONTROL: The North Service Area will work to prevent local area flooding and control diversion of water from Lake Michigan through the operation of 22 detention reservoirs in cooperation with local communities and by assisting in the operation of the Wilmette Controlling Works and the North Shore Channel. The North Service Area will also work to maintain the quality of the waterways system and associated District property by utilizing debris boats and channel maintenance crews. | | | \$ 860,210 | 1.5 % |
| 5. | GENERAL SUPPORT: The North Service Area will provide technical and administrative support for other departments not directly related to the operational activities of Collection & Treatment, Solids Processing, Solids Utilization, and Flood & Pollution Control. | | | \$ 396,695 | 0.7 % |
| | | | | Division Totals | \$58,581,600 100.0 % |

67000 M&O - NORTH SERVICE AREA

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|-----------------------|-----------------------------|--------------|----------|-------------------|--------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 1000 | Collection | \$11,695,776 | 2023 | 66 \$ 14,784,205 | \$ 1,168,025 | 8.6 | |
| | | | 2022 | 67 \$ 13,616,180 | | | |
| 1100 | Surface Interceptor Systems | \$ 368,758 | 2023 | 3 \$ 303,700 | \$ (35,800) | (10.5) | |
| | | | 2022 | 3 \$ 339,500 | | | |
| 1200 | Tunnel and Reservoir System | \$ 2,205,526 | 2023 | 14 \$ 1,767,600 | \$ (128,500) | (6.8) | |
| | | | 2022 | 14 \$ 1,896,100 | | | |
| 1300 | Pumping Station Facilities | \$ 4,541,184 | 2023 | 25 \$ 7,245,100 | \$ 1,111,900 | 18.1 | a) |
| | | | 2022 | 25 \$ 6,133,200 | | | |
| 1900 | Collection - Indirect Costs | \$ 4,580,308 | 2023 | 24 \$ 5,467,805 | \$ 220,425 | 4.2 | b) |
| | | | 2022 | 25 \$ 5,247,380 | | | |
| 2000 | Treatment | \$26,627,843 | 2023 | 150 \$ 35,625,005 | \$ 2,664,670 | 8.1 | |
| | | | 2022 | 149 \$ 32,960,335 | | | |
| 2000 | Pre-Treatment | \$ 689,534 | 2023 | 5 \$ 811,900 | \$ 41,600 | 5.4 | |
| | | | 2022 | 5 \$ 770,300 | | | |
| 2100 | Primary Treatment | \$ 585,849 | 2023 | 6 \$ 642,000 | \$ (15,100) | (2.3) | |
| | | | 2022 | 6 \$ 657,100 | | | |
| 2200 | Secondary Treatment | \$ 8,526,499 | 2023 | 44 \$ 14,066,300 | \$ 3,307,800 | 30.7 | c) |
| | | | 2022 | 44 \$ 10,758,500 | | | |
| 2300 | Tertiary Treatment | \$ 1,254,522 | 2023 | 11 \$ 2,260,500 | \$ 223,000 | 10.9 | d) |
| | | | 2022 | 11 \$ 2,037,500 | | | |
| 2900 | Treatment - Indirect Costs | \$15,571,439 | 2023 | 84 \$ 17,844,305 | \$ (892,630) | (4.8) | e) |
| | | | 2022 | 83 \$ 18,736,935 | | | |

a) Increase is due to an increase in electrical energy rates (\$485,500), the rehabilitation of rotating assemblies (\$485,000), and the reallocation of salaries to more accurately reflect current activities (\$118,900).

b) Increase is due to an increased demand and cost for mechanical repair parts (\$141,000), a projected increase in payments to the Fox River WRD (\$67,700), an increased demand for cathodic protection (\$51,500) and tree trimming services (\$50,000), offset by compensation plan adjustments (\$139,800) and the delivery of chain and sprockets material in 2022 (\$82,300).

c) Increase is due to the reallocation of system upgrades and maintenance for the distributed control system to more accurately reflect the impact on processing equipment (\$1,348,600), the reallocation of the service contract for repairs and alterations to various WRPs to more accurately reflect the impact on processing equipment (\$856,000), an increase in electrical energy rates (\$734,600), the reallocation of salaries to better reflect current activities (\$166,900), an increased demand for parts for process equipment (\$130,800), and an increased reconditioning cost of process blower motors (\$60,000).

d) Increase is due to an increase in chemical costs for bisulfite (\$56,900) and sodium hypochlorite (\$50,000).

e) Decrease is due to the reallocation of system upgrades and maintenance for the distributed control system to more accurately reflect the impact on processing equipment (\$1,338,600) and the reduction and reallocation of the service contract for repairs and alterations to various WRPs to more accurately reflect the impact on processing equipment (\$1,000,000), offset by the increased cost for mechanical and electrical parts (\$365,000), an increased need for elevator maintenance (\$341,500), building structure and roof repairs (\$225,000), the addition of one FTE (\$177,500), and an increased demand for electrical parts (\$128,200) and pipe fittings (\$99,000).

67000 M&O - NORTH SERVICE AREA

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|-----------------------|---|--------------|----------|--------------|--------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 3000 | Solids Processing | \$ 4,052,223 | 2023 21 | \$ 4,950,730 | \$ 238,710 | 5.1 | |
| | | | 2022 21 | \$ 4,712,020 | | | |
| 3100 | Thickening | \$ 747,931 | 2023 5 | \$ 936,500 | \$ 193,100 | 26.0 | f) |
| | | | 2022 5 | \$ 743,400 | | | |
| 3200 | Stabilization | \$ 751,660 | 2023 5 | \$ 831,500 | \$ 22,500 | 2.8 | |
| | | | 2022 5 | \$ 809,000 | | | |
| 3300 | Dewatering | \$ 793,653 | 2023 5 | \$ 843,100 | \$ (3,800) | (0.4) | |
| | | | 2022 5 | \$ 846,900 | | | |
| 3900 | Solids Processing - Indirect Costs | \$ 1,758,979 | 2023 6 | \$ 2,339,630 | \$ 26,910 | 1.2 | |
| | | | 2022 6 | \$ 2,312,720 | | | |
| 4000 | Flood & Pollution Control | \$ 635,966 | 2023 2 | \$ 860,210 | \$ 78,130 | 10.0 | |
| | | | 2022 2 | \$ 782,080 | | | |
| 4200 | Waterways Control and Stormwater Reservoirs | \$ 273,147 | 2023 2 | \$ 317,300 | \$ (68,700) | (17.8) | g) |
| | | | 2022 2 | \$ 386,000 | | | |
| 4400 | Aeration Facilities | \$ 240,675 | 2023 — | \$ 383,900 | \$ 155,600 | 68.2 | h) |
| | | | 2022 — | \$ 228,300 | | | |
| 4900 | Flood & Pollution Control - Indirect Costs | \$ 122,144 | 2023 — | \$ 159,010 | \$ (8,770) | (5.2) | |
| | | | 2022 — | \$ 167,780 | | | |
| 5000 | Solids Utilization | \$ 1,290,246 | 2023 1 | \$ 1,573,755 | \$ 74,920 | 5.0 | |
| | | | 2022 2 | \$ 1,498,835 | | | |
| 5200 | Solids Distribution | \$ 241,201 | 2023 — | \$ 377,200 | \$ 2,100 | 0.6 | |
| | | | 2022 — | \$ 375,100 | | | |
| 5900 | Solids Utilization - Indirect Costs | \$ 1,049,045 | 2023 1 | \$ 1,196,555 | \$ 72,820 | 6.5 | |
| | | | 2022 2 | \$ 1,123,735 | | | |
| 7000 | General Support (excluding program number 7604) | \$ 260,712 | 2023 1 | \$ 396,695 | \$ 23,945 | 6.4 | |
| | | | 2022 1 | \$ 372,750 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 360,034 | 2023 — | \$ 391,000 | \$ 1,100 | 0.3 | |
| | | | 2022 — | \$ 389,900 | | | |
| Division Totals | | \$44,922,800 | 2023 241 | \$58,581,600 | \$ 4,249,500 | 7.8 % | * |
| | | | 2022 242 | \$54,332,100 | | | |

f) Increase is due to an increase in chemical costs for polymer, which is used in dewatering (\$166,200).
g) Decrease is due to the reallocation of electrical energy costs to more accurately reflect current activities (\$74,900).
h) Increase is due to the procurement of two blower assemblies (\$175,000).

* The 2023 position total for the North Service Area is 241, with no positions budgeted in the Stormwater Management Fund.

67000 M&O - NORTH SERVICE AREA

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|--|-------------------|---------------|---------------|----------------|----|
| 1000-2900 | Collection & Treatment | | | | | |
| | Collect and Treat Wastewater at Treatment Facilities and Through a Contract Agreement with the Fox River Water Reclamation District | | | | | |
| | Terrence J. O'Brien Water Reclamation Plant | Mil. Gallons | 74,579 | 85,000 | 85,000 | |
| | | Cost | \$ 21,421,615 | \$ 27,067,739 | \$ 28,195,579 | a) |
| | | Cost/Mil. Gallons | \$ 287.23 | \$ 318.44 | \$ 331.71 | |
| | John E. Egan Water Reclamation Plant | Mil. Gallons | 8,216 | 9,050 | 9,050 | |
| | | Cost | \$ 5,625,205 | \$ 6,568,543 | \$ 7,489,373 | b) |
| | | Cost/Mil. Gallons | \$ 684.66 | \$ 725.81 | \$ 827.56 | |
| | Hanover Park Water Reclamation Plant | Mil. Gallons | 2,551 | 3,950 | 3,950 | |
| | | Cost | \$ 2,902,646 | \$ 3,233,175 | \$ 3,422,595 | c) |
| | | Cost/Mil. Gallons | \$ 1,137.85 | \$ 818.53 | \$ 866.48 | |
| | James C. Kirie Water Reclamation Plant | Mil. Gallons | 11,908 | 16,600 | 14,600 | |
| | | Cost | \$ 6,681,594 | \$ 7,897,058 | \$ 9,356,263 | d) |
| | | Cost/Mil. Gallons | \$ 561.10 | \$ 475.73 | \$ 640.84 | d) |
| | Fox River Water Reclamation District | Mil. Gallons | 2,200 | 2,200 | 2,200 | |
| | | Cost | \$ 1,692,559 | \$ 1,810,000 | \$ 1,945,400 | |
| | | Cost/Mil. Gallons | \$ 769.35 | \$ 822.73 | \$ 884.27 | |
| 3000 | Solids Processing | | | | | |
| | Remove 59,800 Dry Tons of Solids, Transfer 44,000 Dry Tons to the Stickney WRP, and Process 15,800 Dry Tons Through Various Systems, Including Concentration and Heated Anaerobic Digestion for Further Processing at the Stickney WRP | Dry Tons | 13,210 | 15,800 | 15,800 | |
| | | Cost | \$ 4,052,223 | \$ 4,712,020 | \$ 4,950,730 | e) |
| | | Cost/Dry Ton | \$ 306.75 | \$ 298.23 | \$ 313.34 | |
| | <p>a) Increase is due to an increase in electrical energy rates (\$806,300), the addition of two FTE positions (\$420,000), an increased cost for mechanical repair parts (\$204,000), an increased demand and cost for electrical parts (\$173,800), the procurement of one boiler for the North Branch Pumping Station (\$100,000), and the reallocation of salaries to better reflect current activities (\$60,000), offset by a reduction in compensation plan adjustments (\$297,000), and the procurement of chain and sprockets material (\$199,800) and personnel vehicles (\$150,000) in 2022.</p> <p>b) Increase is due to an increase in electrical energy rates (\$226,400), roofing and structural repairs (\$225,000), the reallocation of salaries to more accurately reflect current activities (\$222,200), an increased demand and cost for electrical repair parts (\$68,800) and mechanical repair parts (\$28,500), an increase in chemical costs for sodium hypochlorite (\$39,000) and sodium bisulfite (\$25,000), and an increased demand for Westech parts for grit removal (\$24,900).</p> <p>c) Increase is due to the procurement of a spare electrical breaker (\$115,000).</p> <p>d) Increase is due to the rehabilitation of rotating assemblies (\$485,000), wet well elevator rehabilitation and maintenance (\$341,500), pavement rehabilitation (\$250,000), the reallocation of salaries to better reflect current activities (\$86,500), procurement of a coarse screen assembly rake (\$85,000), increased demand for transformers (\$75,000), an increase in the cost of natural gas (\$51,400), and an increased need for cathodic protection (\$48,000).</p> <p>e) Increase is due to an increase in chemical costs for polymer which is used in dewatering (\$166,200).</p> | | | | | |

67000 M&O - NORTH SERVICE AREA

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|--|---|----------------|---------------|---------------|----------------|----|
| 4000 | Flood & Pollution Control | | | | | |
| | Operation and Maintenance of the Waterways to Minimize Area Flooding and Pollution | | | | | |
| 4200 | Minimize Area Flooding and Pollution of Lake Michigan Through the Continuous Control of Water Levels in Major Rivers and Canals and the Operation of Detention Reservoirs | Reservoirs | 22 | 22 | 22 | |
| | | Cost | \$ 273,147 | \$ 386,000 | \$ 317,300 | f) |
| | | Cost/Reservoir | \$ 12,415.77 | \$ 17,545.45 | \$ 14,422.73 | f) |
| 4400 | Aeration Facilities | Cost | \$ 240,675 | \$ 228,300 | \$ 383,900 | g) |
| 4900 | Flood & Pollution Control - Indirect Costs | Cost | \$ 122,144 | \$ 167,780 | \$ 159,010 | |
| 5000 | Solids Utilization | | | | | |
| | Utilize Biosolids for Application at Final Utilization Sites Such as the Fischer Farm in Hanover Park and Other Farm Application Sites | Dry Tons | 1,244 | 700 | 700 | |
| | | Cost | \$ 1,290,246 | \$ 1,498,835 | \$ 1,573,755 | |
| | | Cost/Dry Ton | \$ 1,037.18 | \$ 2,141.19 | \$ 2,248.22 | |
| 7000 | General Support (excluding program number 7604) | | | | | |
| | Technical and Administrative Support for Other Departments' Activities Indirectly Related to the Operational Activities of Collection & Treatment, Solids Processing, Flood & Pollution Control, and Solids Utilization | Cost | \$ 260,712 | \$ 372,750 | \$ 396,695 | |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 360,034 | \$ 389,900 | \$ 391,000 | |
| | Division Totals | | \$ 44,922,800 | \$ 54,332,100 | \$ 58,581,600 | |
| f) Decrease is due to the reallocation of electrical energy costs to more accurately reflect current activities (\$74,900). g) Increase is due to the procurement of two blower assemblies (\$175,000). | | | | | | |

| 101 67000 | Fund: Corporate Department: Maintenance & Operations Division: North Service Area | LINE ITEM ANALYSIS | | | | | | |
|----------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 24,468,760 | \$ 25,299,900 | \$ 25,435,900 | \$ 24,898,500 | \$ 25,855,400 | \$ 25,782,100 | \$ 26,151,800 |
| 601060 | Compensation Plan Adjustments | 1,311,694 | 1,810,500 | 1,674,500 | 1,118,800 | 1,452,300 | 1,452,300 | 1,457,200 |
| 601070 | Social Security and Medicare Contributions | 360,034 | 389,900 | 389,900 | 363,600 | 391,000 | 391,000 | 391,000 |
| 601100 | Tuition and Training Payments | 13,378 | 49,500 | 49,500 | 30,800 | 55,600 | 55,600 | 55,600 |
| 100 | TOTAL PERSONAL SERVICES | 26,153,866 | 27,549,800 | 27,549,800 | 26,411,700 | 27,754,300 | 27,681,000 | 28,055,600 |
| 612010 | Travel | — | 13,200 | 13,200 | 3,700 | 9,900 | 9,900 | 9,900 |
| 612030 | Meals and Lodging | 7,600 | 33,500 | 33,500 | 19,600 | 23,500 | 23,500 | 23,500 |
| 612050 | Compensation for Personally-Owned Automobiles | 18,442 | 22,000 | 22,000 | 16,200 | 22,000 | 22,000 | 22,000 |
| 612080 | Motor Vehicle Operating Services | 147 | 500 | 500 | 200 | 500 | 500 | 500 |
| 612150 | Electrical Energy | 7,895,220 | 10,930,400 | 10,930,400 | 8,273,600 | 12,011,300 | 12,011,300 | 11,955,300 |
| 612160 | Natural Gas | 642,327 | 864,200 | 864,200 | 964,200 | 973,800 | 973,800 | 973,800 |
| 612170 | Water and Water Services | 67,135 | 81,700 | 81,700 | 72,600 | 94,800 | 94,800 | 94,800 |
| 612240 | Testing and Inspection Services | 79,727 | 111,800 | 104,100 | 30,700 | 72,900 | 72,900 | 72,900 |
| 612330 | Rental Charges | 1,311 | 22,400 | 22,400 | 5,000 | 2,400 | 2,400 | 2,400 |
| 612410 | Governmental Service Charges | 3,635,512 | 3,876,500 | 3,876,500 | 3,870,900 | 4,147,300 | 4,147,300 | 4,147,300 |
| 612420 | Maintenance of Grounds and Pavements | 185,554 | 504,100 | 77,200 | 45,400 | 554,000 | 554,000 | 554,000 |
| 612490 | Contractual Services, N.O.C. | 972 | 4,000 | 4,000 | 3,900 | 4,500 | 4,500 | 4,500 |
| 612520 | Waste Material Disposal Charges | 541,516 | 677,800 | 677,800 | 600,600 | 677,800 | 677,800 | 677,800 |
| 612530 | Farming Services | 8,280 | 90,000 | 90,000 | 60,000 | 89,200 | 89,200 | 89,200 |
| 612600 | Repairs to Collection Facilities | 18,468 | 373,800 | 344,200 | 43,500 | 910,300 | 910,300 | 910,300 |
| 612650 | Repairs to Process Facilities | 2,411,256 | 3,436,000 | 3,378,900 | 2,907,500 | 3,202,900 | 3,202,900 | 3,258,900 |
| 612680 | Repairs to Buildings | 325,085 | 388,500 | 598,800 | 512,900 | 979,500 | 979,500 | 979,500 |
| 612760 | Repairs to Material Handling and Farming Equipment | 18,807 | 33,100 | 33,100 | 20,800 | 45,500 | 45,500 | 45,500 |
| 612780 | Safety Repairs and Services | 81,275 | 87,400 | 100,100 | 100,000 | 75,700 | 75,700 | 75,700 |
| 612860 | Repairs to Vehicle Equipment | 8,159 | 30,000 | 30,000 | 11,000 | 24,000 | 24,000 | 24,000 |
| 200 | TOTAL CONTRACTUAL SERVICES | 15,946,795 | 21,580,900 | 21,282,600 | 17,562,300 | 23,921,800 | 23,921,800 | 23,921,800 |
| 623030 | Metals | 9,292 | 10,000 | 11,500 | 10,000 | 10,000 | 10,000 | 10,000 |
| 623070 | Electrical Parts and Supplies | 1,092,431 | 1,447,500 | 1,797,500 | 1,255,500 | 1,928,200 | 1,928,200 | 1,928,200 |
| 623090 | Plumbing Accessories and Supplies | 158,357 | 190,000 | 180,000 | 155,000 | 353,800 | 328,800 | 328,800 |
| 623130 | Buildings, Grounds, Paving Materials, and Supplies | 21,410 | 29,100 | 31,600 | 25,800 | 76,100 | 76,100 | 76,100 |
| 623190 | Paints, Solvents, and Related Materials | 768 | 2,300 | 2,200 | 2,000 | 2,300 | 2,300 | 2,300 |
| 623250 | Vehicle Parts and Supplies | 16,375 | 20,000 | 20,000 | 18,400 | 26,000 | 26,000 | 26,000 |

| 101 67000 | Fund: Corporate Department: Maintenance & Operations Division: North Service Area | LINE ITEM ANALYSIS | | | | | | |
|--------------------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 623270 | Mechanical Repair Parts | 718,512 | 1,272,800 | 1,266,700 | 937,500 | 1,968,200 | 1,968,200 | 1,968,200 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 16,189 | 21,800 | 24,300 | 21,800 | 24,000 | 24,000 | 24,000 |
| 623560 | Processing Chemicals | 405,849 | 1,049,600 | 1,146,600 | 842,900 | 1,321,800 | 1,321,800 | 1,321,800 |
| 623570 | Laboratory Testing Supplies, Small Equipment, and Chemicals | 25,723 | 22,000 | 22,000 | 16,000 | 34,000 | 34,000 | 34,000 |
| 623660 | Cleaning Supplies | 135 | 2,000 | 2,000 | 1,300 | 2,000 | 2,000 | 2,000 |
| 623680 | Tools and Supplies | 74,205 | 97,500 | 85,000 | 75,000 | 117,500 | 117,500 | 117,500 |
| 623780 | Safety and Medical Supplies | 16,716 | 18,500 | 18,500 | 12,500 | 18,500 | 18,500 | 18,500 |
| 623800 | Computer Software | 2,667 | 4,800 | 10,800 | 10,700 | 9,800 | 9,800 | 9,800 |
| 623810 | Computer Supplies | 7,881 | 17,500 | 17,500 | 13,000 | 35,000 | 35,000 | 35,000 |
| 623820 | Fuel | 14,285 | 21,100 | 19,100 | 19,100 | 22,600 | 22,600 | 22,600 |
| 623850 | Communications Supplies | 14,164 | 15,000 | 9,000 | 8,500 | 25,000 | 25,000 | 25,000 |
| 623860 | Lubricants | 1,811 | 5,000 | 25,400 | 25,400 | 5,000 | 30,000 | 30,000 |
| 623990 | Materials and Supplies, N.O.C. | 9,215 | 11,400 | 11,400 | 9,900 | 11,500 | 11,500 | 11,500 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 2,605,985 | 4,257,900 | 4,701,100 | 3,460,300 | 5,991,300 | 5,991,300 | 5,991,300 |
| 634600 | Equipment for Collection Facilities | 20,467 | 90,000 | 70,000 | 26,300 | 97,500 | 97,500 | 97,500 |
| 634650 | Equipment for Process Facilities | 100,521 | 271,000 | 271,000 | 130,200 | 320,000 | 320,000 | 320,000 |
| 634860 | Vehicle Equipment | 92,130 | 582,500 | 582,500 | 378,600 | 195,400 | 195,400 | 195,400 |
| 634990 | Machinery and Equipment, N.O.C. | 3,038 | — | 2,200 | — | — | — | — |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 216,156 | 943,500 | 925,700 | 535,100 | 612,900 | 612,900 | 612,900 |
| TOTAL NORTH SERVICE AREA | | \$ 44,922,802 | \$ 54,332,100 | \$ 54,459,200 | \$ 47,969,400 | \$ 58,280,300 | \$ 58,207,000 | \$ 58,581,600 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation for a specific division as funding is controlled at the M&O Overall department-level or when transfers of funds are anticipated.

| Fund: Corporate Dept: Maintenance & Operations Division: North Service Area | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 710 | North Service Area Executive Office | | | | | |
| HP22 | Assistant Director of Maintenance & Operations | 1 | 1 | | 1 | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |
| HP14 | Engineering Technician V | 1 | 1 | | — | |
| HP12 | Secretary #1 | 1 | 1 | | 1 | |
| TOTAL 710 | North Service Area Executive Office | 4 | 4 | 632,286 | 3 | 560,287 |
| 711 | North Service Area Budget Control Unit | | | | | |
| HP16 | Senior Budget & Management Analyst | 1 | 1 | | — | |
| HP14 | Budget & Management Analyst | 1 | 1 | | — | |
| TOTAL 711 | North Service Area Budget Control Unit | 2 | 2 | 232,324 | — | — |
| 720 | Plant Engineering & Maintenance Section | | | | | |
| 724 | Maintenance Unit | | | | | |
| HP19 | Master Mechanic | 1 | — | | — | |
| HP19 | Master Mechanic II #2 (Master Mechanic I) (New Grade HP18) | — | 1 | | 1 | |
| HP18 | Principal Electrical Engineer | 1 | 1 | | — | |
| HP17 | Assistant Master Mechanic | 4 | 4 | | 4 | |
| HP17 | Senior Electrical Engineer | 1 | 1 | | 1 | |
| HP17 | Senior Process Control Engineer | — | — | | 1 | |
| HP15 | Associate Civil Engineer #2 (Engineering Technician IV) (New Grade HP12) | 1 | 1 | | 1 | |
| HP15 | Associate Electrical Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Process Control Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Process Control Engineer #1 | — | — | | 1 | |
| HP14 | Assistant Civil Engineer | — | — | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 724 | Maintenance Unit | 11 | 11 | 1,516,675 | 13 | 1,703,529 |
| 760 | Area Maintenance Section | | | | | |
| 764 | Area Maintenance Unit | | | | | |
| PR5933 | Architectural Ironworker | 2 | 2 | | 2 | |

| Fund: Corporate Dept: Maintenance & Operations Division: North Service Area | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| PR5353 | Bricklayer | 1 | 1 | | 1 | |
| PR5153 | Carpenter | 2 | 2 | | 2 | |
| PR7425 | Electrical Instrument & Testing Mechanic Foreman | 1 | 1 | | 1 | |
| PR7424 | Electrical Instrument & Testing Mechanic Leadman | 1 | 1 | | 1 | |
| PR7423 | Electrical Instrument & Testing Mechanic | 12 | 12 | | 12 | |
| PR7347 | Electrical Mechanic Foreman | 1 | 1 | | 1 | |
| PR7349 | Electrical Mechanic Sub-Foreman | 1 | 1 | | 1 | |
| PR7343 | Electrical Mechanic | 14 | 14 | | 15 | |
| PR6453 | Hoisting Engineer | 1 | 1 | | 1 | |
| PR7579 | Machinist Foreman | 1 | 1 | | 1 | |
| PR7575 | Machinist Leadman | 1 | 1 | | 1 | |
| PR7573 | Machinist | 16 | 16 | | 16 | |
| PR5553 | Painter | 2 | 2 | | 2 | |
| PR7779 | Pipefitter Foreman | 1 | 1 | | 1 | |
| PR7775 | Pipefitter Leadman | 1 | 1 | | 1 | |
| PR7773 | Pipefitter | 12 | 12 | | 13 | |
| PR5753 | Plumber | 2 | 2 | | 2 | |
| PR5975 | Structural Ironworker Leadman | 1 | 1 | | 1 | |
| PR5973 | Structural Ironworker | 2 | 2 | | 2 | |
| PR6479 | Truck Driver Foreman | — | 1 | | 1 | |
| PR6473 | Truck Driver | 5 | 4 | | 4 | |
| PR6473 | Truck Driver #1 | — | 1 | | — | |
| TOTAL 764 | Area Maintenance Unit | 80 | 81 | 8,749,437 | 82 | 9,146,862 |
| TOTAL 760 | Area Maintenance Section | 80 | 81 | 8,749,437 | 82 | 9,146,862 |
| TOTAL 720 | Plant Engineering & Maintenance Section | 91 | 92 | 10,266,112 | 95 | 10,850,392 |
| 715 | Terrence J. O'Brien Water Reclamation Plant Branch | | | | | |
| 715 | Terrence J. O'Brien Water Reclamation Plant Branch Office | | | | | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |
| TOTAL 715 | Terrence J. O'Brien Water Reclamation Plant Branch Office | 1 | 1 | 214,831 | 1 | 223,424 |

| Fund: Corporate Dept: Maintenance & Operations Division: North Service Area | | POSITION ANALYSIS | | | | |
|---|---------------------------------------|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 730 | Plant Operations Section | | | | | |
| 731 | Administrative Unit | | | | | |
| HP18 | Principal Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP12 | Engineering Technician IV | 1 | 1 | | — | |
| TOTAL 731 | Administrative Unit | 3 | 3 | 365,603 | 2 | 281,606 |
| 723 | Electrical Engineering Unit | | | | | |
| HP17 | Senior Process Control Engineer | — | — | | 1 | |
| HP15 | Associate Process Control Engineer | 1 | 1 | | — | |
| HP15 | Associate Process Control Engineer #1 | — | — | | 1 | |
| NR6251 | Chief Electrical Operator | 1 | 1 | | 1 | |
| NR6233 | Electrical Operator II | 5 | 5 | | 5 | |
| NR6232 | Electrical Operator I | 2 | 2 | | 2 | |
| TOTAL 723 | Electrical Engineering Unit | 9 | 9 | 953,212 | 10 | 1,141,615 |
| 732 | Treatment Operations Unit | | | | | |
| HP16 | Treatment Plant Operator III | 1 | 1 | | 1 | |
| HP14 | Treatment Plant Operator II | 8 | 8 | | 8 | |
| HP12 | Treatment Plant Operator I | 4 | 4 | | 4 | |
| NR8650 | Maintenance Laborer Class A Shift | 3 | 5 | | 5 | |
| NR8651 | Maintenance Laborer Class A | 2 | — | | — | |
| NR8651 | Maintenance Laborer Class A #1 | — | 2 | | — | |
| TOTAL 732 | Treatment Operations Unit | 18 | 20 | 1,922,718 | 18 | 1,802,981 |
| 734 | Mechanical Operations Unit | | | | | |
| HP17 | Chief Operating Engineer I | 1 | 1 | | 1 | |
| HP16 | Assistant Chief Operating Engineer | 1 | 1 | | 1 | |
| NR6810 | Fireman-Oiler | 6 | 6 | | 6 | |
| NR6832 | Operating Engineer II | 8 | 8 | | 8 | |
| NR6831 | Operating Engineer I | 5 | 5 | | 5 | |
| TOTAL 734 | Mechanical Operations Unit | 21 | 21 | 2,281,182 | 21 | 2,430,171 |
| TOTAL 730 | Plant Operations Section | 51 | 53 | 5,522,714 | 51 | 5,656,372 |

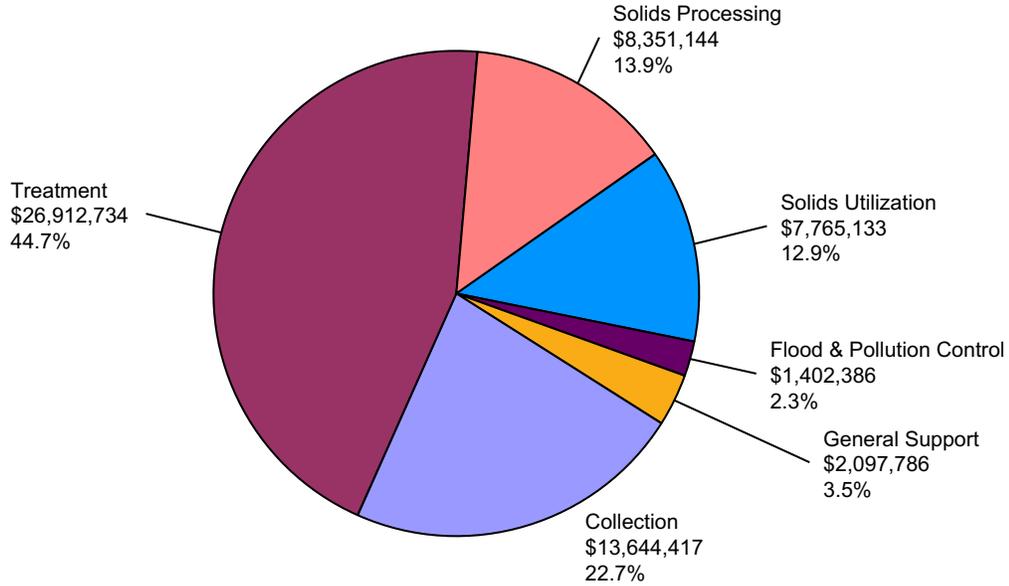
| Fund: Corporate Dept: Maintenance & Operations Division: North Service Area | | POSITION ANALYSIS | | | | |
|---|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 743 | Buildings & Grounds Unit | | | | | |
| HP14 | Engineering Technician V | 1 | 1 | | 1 | |
| HP09 | Administrative Clerk | 1 | 1 | | 1 | |
| NR8331 | Laborer Foreman | 1 | 1 | | 1 | |
| NR8651 | Maintenance Laborer Class A | 3 | 3 | | 3 | |
| NR8652 | Maintenance Laborer Class B | 5 | 5 | | 5 | |
| TOTAL 743 | Buildings & Grounds Unit | 11 | 11 | 803,460 | 11 | 840,903 |
| TOTAL 715 | Terrence J. O'Brien Water Reclamation Plant Branch | 63 | 65 | 6,541,005 | 63 | 6,720,700 |
| 750 | Hanover Park Water Reclamation Plant Section | | | | | |
| 751 | Administrative Unit | | | | | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 751 | Administrative Unit | 2 | 2 | 278,313 | 2 | 298,954 |
| 753 | Operations Unit | | | | | |
| HP17 | Senior Engineer | 1 | 1 | | 1 | |
| HP16 | Treatment Plant Operator III | 1 | 1 | | 1 | |
| HP14 | Treatment Plant Operator II | 7 | 7 | | 7 | |
| HP12 | Treatment Plant Operator I | 5 | 5 | | 5 | |
| NR6810 | Fireman-Oiler | 1 | 1 | | 1 | |
| TOTAL 753 | Operations Unit | 15 | 15 | 1,499,202 | 15 | 1,494,990 |
| 755 | General Plant Services Unit | | | | | |
| HP14 | Engineering Technician V | 1 | 1 | | 1 | |
| NR8651 | Maintenance Laborer Class A | 2 | 2 | | 2 | |
| NR8652 | Maintenance Laborer Class B | 1 | 1 | | 1 | |
| TOTAL 755 | General Plant Services Unit | 4 | 4 | 335,647 | 4 | 354,987 |
| TOTAL 750 | Hanover Park Water Reclamation Plant Section | 21 | 21 | 2,113,162 | 21 | 2,148,931 |
| 780 | James C. Kirie Water Reclamation Plant Section | | | | | |
| 781 | Administrative Unit | | | | | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |

| Fund: Corporate Dept: Maintenance & Operations Division: North Service Area | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP11 | Administrative Specialist | 1 | — | | — | |
| TOTAL 781 | Administrative Unit | 2 | 1 | 214,831 | 1 | 223,424 |
| 783 | Operations Unit | | | | | |
| HP17 | Senior Engineer | 1 | 1 | | 1 | |
| HP16 | Assistant Chief Operating Engineer | 1 | 1 | | 1 | |
| HP16 | Treatment Plant Operator III | 1 | 1 | | 1 | |
| HP14 | Treatment Plant Operator II | 7 | 7 | | 7 | |
| HP12 | Treatment Plant Operator I | 2 | 2 | | 2 | |
| NR6810 | Fireman-Oiler | 1 | 1 | | 1 | |
| NR8650 | Maintenance Laborer Class A Shift | 3 | 3 | | 3 | |
| NR6831 | Operating Engineer I | 6 | 6 | | 6 | |
| TOTAL 783 | Operations Unit | 22 | 22 | 2,364,381 | 22 | 2,474,774 |
| 785 | General Plant Services Unit | | | | | |
| HP14 | Engineering Technician V | 1 | 1 | | 1 | |
| NR8651 | Maintenance Laborer Class A | 3 | 3 | | 3 | |
| NR8652 | Maintenance Laborer Class B | 1 | 1 | | 1 | |
| TOTAL 785 | General Plant Services Unit | 5 | 5 | 398,390 | 5 | 427,959 |
| TOTAL 780 | James C. Kirie Water Reclamation Plant Section | 29 | 28 | 2,977,602 | 28 | 3,126,157 |
| 790 | John E. Egan Water Reclamation Plant Section | | | | | |
| 791 | Administrative Unit | | | | | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Engineer | 1 | 1 | | 1 | |
| HP12 | Administrative Assistant #2 (Administrative Specialist) (New Grade HP11) | — | — | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | — | |
| TOTAL 791 | Administrative Unit | 3 | 3 | 463,324 | 3 | 442,438 |
| 793 | Operations Unit | | | | | |
| HP16 | Assistant Chief Operating Engineer | 1 | 1 | | 1 | |
| HP16 | Treatment Plant Operator III | 1 | 1 | | 1 | |
| HP14 | Treatment Plant Operator II | 7 | 7 | | 7 | |
| HP12 | Treatment Plant Operator I | 4 | 4 | | 4 | |

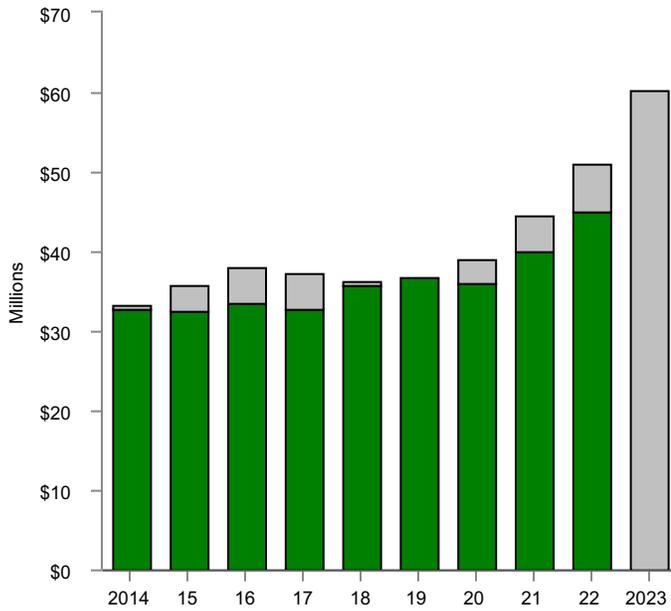
| Fund: Corporate Dept: Maintenance & Operations Division: North Service Area | | POSITION ANALYSIS | | | | |
|--|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| NR6810 | Fireman-Oiler | 1 | 1 | | 1 | |
| NR6832 | Operating Engineer II | 1 | 1 | | 1 | |
| NR6831 | Operating Engineer I | 6 | 6 | | 6 | |
| TOTAL 793 | Operations Unit | 21 | 21 | 2,138,526 | 21 | 2,286,189 |
| 795 | General Plant Services Unit | | | | | |
| HP14 | Engineering Technician V | — | — | | 1 | |
| NR8331 | Laborer Foreman | 1 | 1 | | 1 | |
| NR8651 | Maintenance Laborer Class A | 4 | 4 | | 4 | |
| NR8652 | Maintenance Laborer Class B | 1 | 1 | | 1 | |
| TOTAL 795 | General Plant Services Unit | 6 | 6 | 488,571 | 7 | 612,234 |
| TOTAL 790 | John E. Egan Water Reclamation Plant Section | 30 | 30 | 3,090,421 | 31 | 3,340,861 |
| TOTAL | Maintenance & Operations North Service Area | 240 | 242 | 25,852,913 | 241 | 26,747,327 |
| NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding. | | | | | | |

MAINTENANCE & OPERATIONS - CALUMET SERVICE AREA FUNCTIONS

| | |
|----------|--------------|
| 2023 | \$60,173,600 |
| 2022 | \$50,927,800 |
| Increase | \$9,245,800 |



APPROPRIATIONS & EXPENDITURES

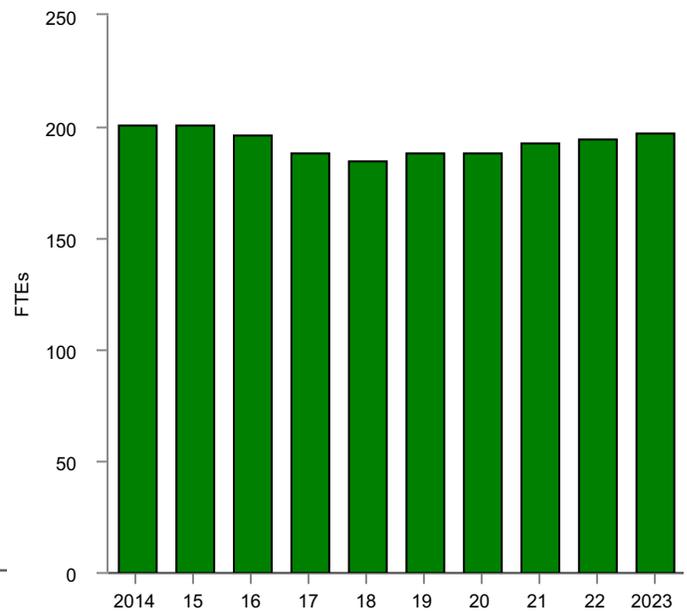


2022 Expenditures are estimated

EXPENDITURES
 APPROPRIATIONS

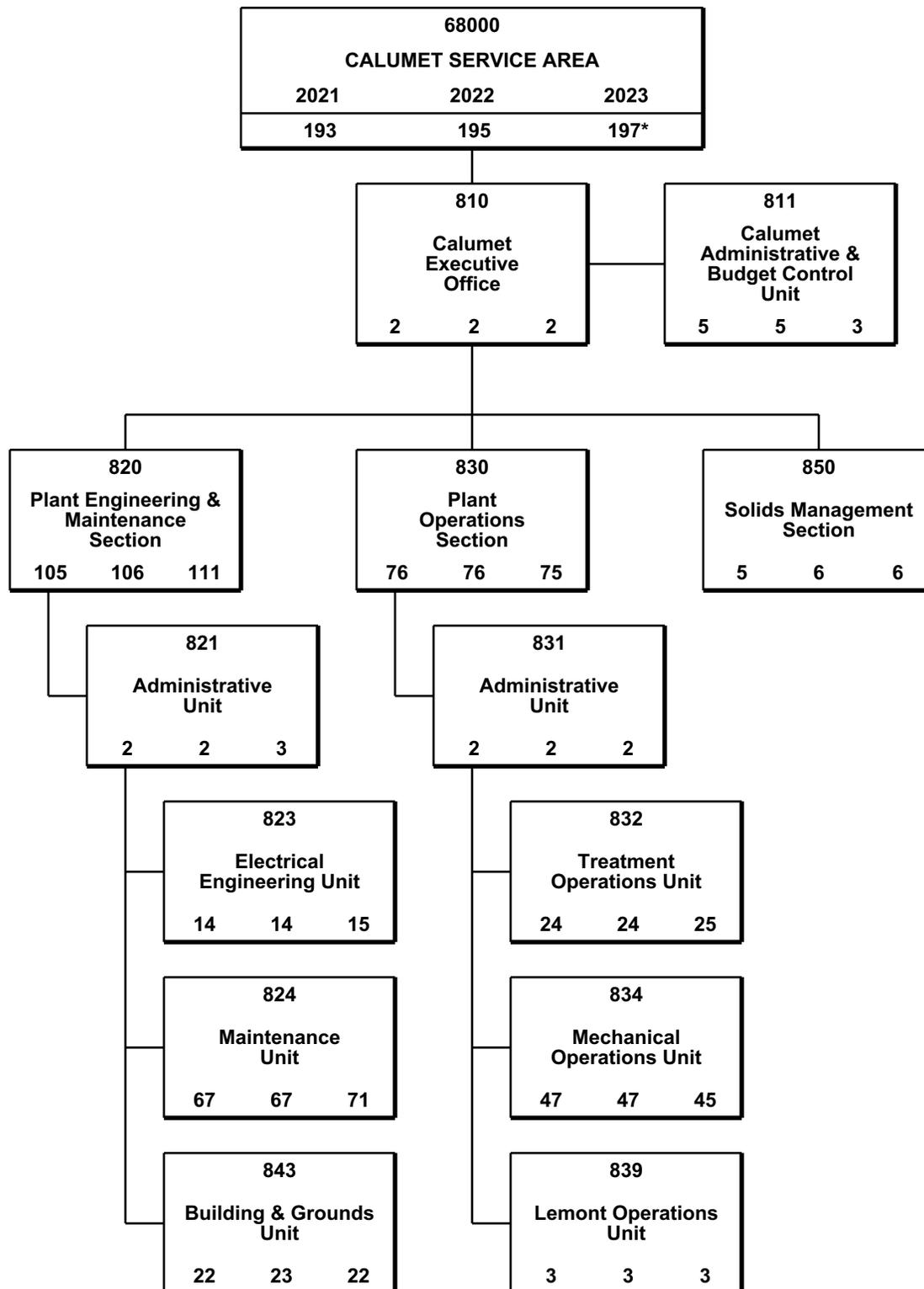
2021 - Increase is due to the transfer of the Solids Management Section from the General Division.
2022, 2023 - Increase is due to rising costs of electrical energy, natural gas, and chemicals.

BUDGETED FTE POSITIONS



2017 - Decrease is due to organizational redesign.
2021 - Increase is due to the transfer of the Solids Management Section from the General Division.

MAINTENANCE & OPERATIONS - CALUMET SERVICE AREA



* In 2023, there are no positions funded by the Stormwater Management Fund.

68000 M&O - CALUMET SERVICE AREA

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|--|---------------------|--------------------|
| 1. COLLECTION & TREATMENT: The Calumet Service Area will collect and treat approximately 101.0 billion gallons of wastewater through its Calumet and Lemont treatment facilities. | \$40,557,151 | 67.4 % |
| Design: Flows ^ CBOD * SS * | | |
| Calumet Water Reclamation Plant | 354 MGD | 10 mg/L 15 mg/L |
| Lemont Water Reclamation Plant | 2.3 MGD | 20 mg/L 25 mg/L |
| ^ In millions of gallons per day (MGD). | | |
| * National Pollutant Discharge Elimination System monthly effluent quality standards in milligrams per liter: | | |
| CBOD - Carbonaceous Biochemical Oxygen Demand | | |
| SS - Suspended Solids | | |
| 2. SOLIDS PROCESSING: The Calumet Service Area will remove and process 35,000 dry tons of solids through various systems, including concentration, heated anaerobic digestion, lagoon stabilization, and air drying. | \$ 8,351,144 | 13.9 % |
| 3. SOLIDS UTILIZATION: The Calumet Service Area will beneficially utilize approximately 21,000 dry tons of biosolids for farmland application, District-funded green infrastructure projects, public works projects, highway authority projects, golf courses and parks, and other final utilization sites. | \$ 7,765,133 | 12.9 % |
| 4. FLOOD & POLLUTION CONTROL: The Calumet Service Area will work to prevent local area flooding through the operation of 9 detention reservoirs, in cooperation with local communities. It will also work to maintain the quality of the waterways system and associated District property, in cooperation with the channel maintenance and debris boat crews. | \$ 1,402,386 | 2.3 % |
| 5. GENERAL SUPPORT: The Calumet Service Area will provide technical and administrative support for other departments not directly related to the operational activities of Collection & Treatment, Solids Processing, Solids Utilization, and Flood & Pollution Control. | \$ 2,097,786 | 3.5 % |
| Division Totals | <u>\$60,173,600</u> | <u>100.0 %</u> |

68000 M&O - CALUMET SERVICE AREA

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|-----------------------|-----------------------------|--------------|----------|-----------------|---------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 1000 | Collection | \$10,157,525 | 2023 | 56 \$13,644,417 | \$ 1,163,571 | 9.3 | |
| | | | 2022 | 56 \$12,480,846 | | | |
| 1100 | Surface Interceptor Systems | \$ 485,043 | 2023 | 4 \$ 499,600 | \$ (20,900) | (4.0) | |
| | | | 2022 | 4 \$ 520,500 | | | |
| 1200 | Tunnel and Reservoir System | \$ 3,037,207 | 2023 | 10 \$ 4,319,540 | \$ 262,740 | 6.5 | a) |
| | | | 2022 | 10 \$ 4,056,800 | | | |
| 1300 | Pumping Station Facilities | \$ 2,571,459 | 2023 | 15 \$ 3,568,460 | \$ 245,060 | 7.4 | b) |
| | | | 2022 | 15 \$ 3,323,400 | | | |
| 1900 | Collection - Indirect Costs | \$ 4,063,816 | 2023 | 27 \$ 5,256,817 | \$ 676,671 | 14.8 | c) |
| | | | 2022 | 27 \$ 4,580,146 | | | |
| 2000 | Treatment | \$17,928,314 | 2023 | 86 \$26,601,934 | \$ 3,278,669 | 14.1 | |
| | | | 2022 | 84 \$23,323,265 | | | |
| 2000 | Pre-Treatment | \$ 427,574 | 2023 | 4 \$ 777,100 | \$ 264,400 | 51.6 | d) |
| | | | 2022 | 4 \$ 512,700 | | | |
| 2100 | Primary Treatment | \$ 1,141,622 | 2023 | 12 \$ 1,286,700 | \$ 118,400 | 10.1 | |
| | | | 2022 | 11 \$ 1,168,300 | | | |
| 2200 | Secondary Treatment | \$ 5,882,525 | 2023 | 23 \$11,834,300 | \$ 3,662,200 | 44.8 | e) |
| | | | 2022 | 22 \$ 8,172,100 | | | |
| 2300 | Tertiary Treatment | \$ 1,562,678 | 2023 | 6 \$ 3,674,300 | \$ 681,900 | 22.8 | f) |
| | | | 2022 | 5 \$ 2,992,400 | | | |
| 2900 | Treatment - Indirect Costs | \$ 8,913,915 | 2023 | 41 \$ 9,029,534 | \$(1,448,231) | (13.8) | g) |
| | | | 2022 | 42 \$10,477,765 | | | |

a) Increase is due to an increase in electrical energy rates for the TARP pumping station (\$153,900).

b) Increase is due to the reallocation of a maintenance agreement for the modernization of distributed control system equipment at outlying stations to more accurately reflect activities (\$115,400) and an increase in electrical energy rates for the Calumet WRP pumping stations (\$70,700).

c) Increase is due to the procurement of one big swing lathe (\$400,000), chemicals for an odor control misting project (\$150,000), the procurement of horizontal wheel press (\$54,000), and an increased need for pavement repairs (\$45,000).

d) Increase is due to the procurement of electrical breakers for the Calumet Service Area (\$160,000) and a grit classifier for the Lemont WRP (\$80,000).

e) Increase is due to the reallocation of the service contract for repairs and alterations to various WRPs to reflect the impact on processing equipment (\$1,176,000), an increase in electrical energy rates for the Calumet WRP (\$1,168,500), reallocation of costs for the distributed control system to better reflect current activities (\$827,000), an increased need of Micro-C carbon source for biological phosphorus removal (\$250,000), the addition of one FTE position (\$126,500), and the reallocation of salaries to more accurately reflect current activities (\$70,100).

f) Increase is due to an increase in chemical cost for sodium hypochlorite (\$641,000) and sodium bisulfite (\$178,200), offset by the completion of a project to reline the sodium hypochlorite tanks in 2022 (\$210,000).

g) Decrease is due to the reduction and reallocation of the service contract for repairs and alterations to various WRPs to more accurately reflect the impact on processing equipment (\$1,250,000), reallocation of costs for the distributed control system to better reflect current activities (\$892,800), and the partial completion of services to furnish, deliver, and install gas monitoring equipment (\$250,000), offset by an increased need for building and pavement repairs (\$250,800), an increased cost of mechanical and electrical repair parts (\$195,200), the procurement of one horizontal wheel press (\$110,700), an increase in the cost of natural gas (\$87,100), the procurement of HVAC coils (\$87,000), and an increased need for calibration (\$50,000), boiler tuning maintenance services (\$45,000), and landscaping (\$43,500).

68000 M&O - CALUMET SERVICE AREA

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|-----------------------|---|--------------|----------|--------------|--------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 3000 | Solids Processing | \$ 6,043,428 | 2023 39 | \$ 8,351,144 | \$ 1,332,979 | 19.0 | |
| | | | 2022 39 | \$ 7,018,165 | | | |
| 3100 | Thickening | \$ 685,649 | 2023 7 | \$ 718,900 | \$ 35,200 | 5.1 | |
| | | | 2022 7 | \$ 683,700 | | | |
| 3200 | Stabilization | \$ 1,638,403 | 2023 9 | \$ 2,047,200 | \$ 93,800 | 4.8 | |
| | | | 2022 9 | \$ 1,953,400 | | | |
| 3300 | Dewatering | \$ 314,442 | 2023 3 | \$ 1,114,200 | \$ 813,000 | 269.9 | h) |
| | | | 2022 3 | \$ 301,200 | | | |
| 3900 | Solids Processing - Indirect Costs | \$ 3,404,934 | 2023 20 | \$ 4,470,844 | \$ 390,979 | 9.6 | i) |
| | | | 2022 20 | \$ 4,079,865 | | | |
| 4000 | Flood & Pollution Control | \$ 1,147,514 | 2023 2 | \$ 1,402,386 | \$ (179,046) | (11.3) | |
| | | | 2022 2 | \$ 1,581,432 | | | |
| 4200 | Waterways Control and Stormwater Reservoirs | \$ 211,430 | 2023 1 | \$ 202,100 | \$ (44,600) | (18.1) | j) |
| | | | 2022 1 | \$ 246,700 | | | |
| 4400 | Aeration Facilities | \$ 757,335 | 2023 1 | \$ 724,300 | \$ (206,300) | (22.2) | k) |
| | | | 2022 1 | \$ 930,600 | | | |
| 4900 | Flood & Pollution Control - Indirect Costs | \$ 178,749 | 2023 — | \$ 475,986 | \$ 71,854 | 17.8 | l) |
| | | | 2022 — | \$ 404,132 | | | |
| 5000 | Solids Utilization | \$ 4,218,467 | 2023 11 | \$ 7,765,133 | \$ 2,038,589 | 35.6 | |
| | | | 2022 11 | \$ 5,726,544 | | | |
| 5100 | Solids Drying | \$ 2,244,336 | 2023 3 | \$ 3,392,100 | \$ 597,800 | 21.4 | m) |
| | | | 2022 3 | \$ 2,794,300 | | | |
| 5200 | Solids Distribution | \$ 963,099 | 2023 2 | \$ 1,914,500 | \$ 267,000 | 16.2 | n) |
| | | | 2022 2 | \$ 1,647,500 | | | |
| 5900 | Solids Utilization - Indirect Costs | \$ 1,011,032 | 2023 6 | \$ 2,458,533 | \$ 1,173,789 | 91.4 | o) |
| | | | 2022 6 | \$ 1,284,744 | | | |
| 7000 | General Support (excluding program number 7604) | \$ 326,764 | 2023 3 | \$ 2,097,786 | \$ 1,610,038 | 330.1 | p) |
| | | | 2022 3 | \$ 487,748 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 281,783 | 2023 — | \$ 310,800 | \$ 1,000 | 0.3 | |
| | | | 2022 — | \$ 309,800 | | | |
| Division Totals | | \$40,103,795 | 2023 197 | \$60,173,600 | \$ 9,245,800 | 18.2 % | * |
| | | | 2022 195 | \$50,927,800 | | | |

- h) Increase is due to the procurement and installation of a sludge dewatering centrifuge (\$800,000).
- i) Increase is due to an increase in the cost of natural gas (\$101,700), the procurement of one horizontal wheel press (\$83,700), and an increased need for pavement repairs (\$69,800).
- j) Decrease is due to the reallocation of electricity costs to more accurately reflect actual usage (\$46,100).
- k) Decrease is due to the reallocation of electricity costs to more accurately reflect actual usage (\$210,500).
- l) Increase is due to protective coating services for digesters (\$49,300).
- m) Increase is due to an increased need for heavy equipment and tractor mounted paddle aerators and rotavators with operators (\$352,500) and for truck hauling services of processed solids for the CALSMA (\$270,000).
- n) Increase is due to an increased need for beneficial reuse of biosolids in preparation for chemical phosphorus removal (\$128,300) and biosolids utilization and transportation (\$120,100).
- o) Increase is due to the procurement of one D9 Dozer for material movement to empty unlined low solids for the lagoons (\$1,100,000).
- p) Increase is due to an increased need for ferric chloride for chemical phosphorus removal (\$1,438,000) and maintenance for the building control systems for the fire alarms (\$140,000).

* The 2023 position total for the Calumet Service Area is 197, with no positions budgeted in the Stormwater Management Fund.

68000 M&O - CALUMET SERVICE AREA

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|---|-------------------|---------------|---------------|----------------|----|
| 1000-2900 | Collection & Treatment | | | | | |
| | Collect and Treat Wastewater at the Calumet and Lemont Water Reclamation Plants | | | | | |
| | Calumet Water Reclamation Plant | Mil. Gallons | 88,649 | 100,000 | 100,000 | |
| | | Cost | \$ 27,341,537 | \$ 35,163,890 | \$ 39,631,261 | a) |
| | | Cost/Mil. Gallons | \$ 308.42 | \$ 351.64 | \$ 396.31 | |
| | Lemont Water Reclamation Plant | Mil. Gallons | 882 | 1,000 | 1,000 | |
| | | Cost | \$ 744,302 | \$ 640,221 | \$ 615,090 | |
| | | Cost/Mil. Gallons | \$ 843.88 | \$ 640.22 | \$ 615.09 | |
| 3000 | Solids Processing | | | | | |
| | Remove and Process Solids Through Various Systems, Including Concentration, Heated Anaerobic Digestion, Lagoon Stabilization, and Air Drying | Dry Tons | 36,546 | 35,000 | 35,000 | |
| | | Cost | \$ 6,043,428 | \$ 7,018,165 | \$ 8,351,144 | b) |
| | | Cost/Dry Ton | \$ 165.36 | \$ 200.52 | \$ 238.60 | b) |
| 4000 | Flood & Pollution Control | | | | | |
| | Operation and Maintenance of the Waterways to Minimize Area Flooding and Pollution | | | | | |
| 4200 | Minimize Area Flooding and Pollution of Lake Michigan Through the Continuous Control of Water Levels in Major Rivers and Canals and the Operation of Detention Reservoirs | Reservoirs | 10 | 10 | 9 | |
| | | Cost | \$ 211,430 | \$ 246,700 | \$ 202,100 | c) |
| | | Cost/Reservoir | \$ 21,143.00 | \$ 24,670.00 | \$ 22,455.56 | |
| 4400 | Aeration Facilities | Cost | \$ 757,335 | \$ 930,600 | \$ 724,300 | d) |
| 4900 | Flood & Pollution Control - Indirect Costs | Cost | \$ 178,749 | \$ 404,132 | \$ 475,986 | e) |
| 5000 | Solids Utilization | | | | | |
| | Utilize Biosolids for Application at Final Utilization Sites, such as for Daily and Final Cover in Sanitary Landfills | Dry Tons | 14,381 | 24,250 | 21,000 | |
| | | Cost | \$ 4,218,467 | \$ 5,726,544 | \$ 7,765,133 | f) |
| | | Cost/Dry Ton | \$ 293.34 | \$ 236.15 | \$ 369.77 | f) |
| 7000 | General Support (excluding program number 7604) | | | | | |
| | Technical and Administrative Support for Other Departments' Activities Indirectly Related to the Operational Activities of Collection and Treatment, Solids Processing, Flood & Pollution Control, and Solids Utilization | Cost | \$ 326,764 | \$ 487,748 | \$ 2,097,786 | g) |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 281,783 | \$ 309,800 | \$ 310,800 | |
| | Division Totals | | \$ 40,103,795 | \$ 50,927,800 | \$ 60,173,600 | |

- a) Increase is due to an increase in electrical energy rates for the Calumet WRP (\$1,366,500), an increase in chemical costs for sodium hypochlorite (\$641,000), the reallocation of salaries to better reflect current activities (\$485,900), the procurement of one big swing lathe (\$400,000), building and pavement repairs (\$295,800), increased cost for electrical and mechanical repair parts (\$290,300), the addition of two FTE positions (\$273,800), an increase in chemical costs for sodium bisulfite (\$178,200), the procurement of one horizontal wheel press (\$164,700), an increased need for circuit breakers (\$160,000), and the procurement of chemicals for odor control measures (\$150,000).
- b) Increase is due to the procurement and installation of a sludge dewatering centrifuge at the Calumet WRP (\$800,000), an increased cost of mechanical and electrical repair parts (\$147,600), an increased cost of natural gas for steam generation (\$101,700), the procurement of a horizontal wheel press (\$83,700), and an increased need for pavement repair (\$69,800).
- c) Decrease is due to the reallocation of electricity costs to more accurately reflect actual usage (\$46,100).
- d) Decrease is due to the reallocation of electricity costs to more accurately reflect actual usage (\$210,500).
- e) Increase is due to an increase in scope for the protective coating on piping infrastructure (\$49,300).
- f) Increase is due to the procurement of one D9 Dozer for material movement to empty unlined low solids for the lagoons (\$1,100,000), contract services for heavy equipment and tractor mounted paddle aerators and rotavators with operators (\$352,500), an increased demand for truck hauling of solids (\$270,000), the beneficial reuse and transportation of biosolids (\$128,300), and the utilization and transportation of air dried biosolids (\$120,100).
- g) Increase is due to the addition of ferric chloride for chemical phosphorus removal (\$1,438,000) and an increased need for fire alarm system maintenance (\$140,000).

| 101 68000 | Fund: Corporate Department: Maintenance & Operations Division: Calumet Service Area | LINE ITEM ANALYSIS | | | | | | |
|----------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 19,208,209 | \$ 19,790,100 | \$ 19,947,700 | \$ 19,807,900 | \$ 20,629,900 | \$ 20,629,900 | \$ 20,819,300 |
| 601060 | Compensation Plan Adjustments | 859,061 | 1,543,900 | 1,386,300 | 1,084,000 | 1,107,200 | 1,107,200 | 1,116,600 |
| 601070 | Social Security and Medicare Contributions | 281,783 | 309,800 | 309,800 | 294,300 | 310,800 | 310,800 | 310,800 |
| 601080 | Salaries of Nonbudgeted Employees | 23,874 | — | 4,700 | 4,700 | — | — | — |
| 601100 | Tuition and Training Payments | 18,549 | 35,600 | 35,600 | 6,400 | 34,500 | 34,500 | 34,500 |
| 100 | TOTAL PERSONAL SERVICES | 20,391,475 | 21,679,400 | 21,684,100 | 21,197,300 | 22,082,400 | 22,082,400 | 22,281,200 |
| 612010 | Travel | — | 5,800 | 5,800 | 1,700 | 3,600 | 3,600 | 3,600 |
| 612030 | Meals and Lodging | 4,930 | 13,000 | 13,000 | 6,500 | 9,700 | 9,700 | 9,700 |
| 612050 | Compensation for Personally-Owned Automobiles | 24,419 | 45,000 | 45,000 | 26,700 | 48,000 | 48,000 | 48,000 |
| 612080 | Motor Vehicle Operating Services | 3 | 500 | 500 | 300 | 500 | 500 | 500 |
| 612150 | Electrical Energy | 8,386,346 | 12,889,500 | 12,889,500 | 9,721,400 | 14,164,100 | 14,164,100 | 14,088,100 |
| 612160 | Natural Gas | 776,376 | 842,600 | 842,600 | 894,000 | 1,095,400 | 1,095,400 | 1,095,400 |
| 612170 | Water and Water Services | 236,448 | 340,500 | 340,500 | 230,000 | 295,500 | 295,500 | 295,500 |
| 612240 | Testing and Inspection Services | 34,937 | 66,400 | 74,100 | 33,000 | 51,100 | 51,100 | 51,100 |
| 612330 | Rental Charges | 2,211 | 8,100 | 8,100 | 5,100 | 9,700 | 9,700 | 9,700 |
| 612410 | Governmental Service Charges | 97,752 | 100,000 | 100,000 | 98,300 | 100,000 | 100,000 | 100,000 |
| 612420 | Maintenance of Grounds and Pavements | 386,352 | 167,500 | 231,100 | 128,000 | 436,000 | 436,000 | 436,000 |
| 612490 | Contractual Services, N.O.C. | 1,558 | 16,400 | 16,400 | 6,400 | 18,900 | 18,900 | 18,900 |
| 612520 | Waste Material Disposal Charges | 3,108,759 | 4,338,000 | 4,338,000 | 3,500,000 | 5,245,600 | 5,245,600 | 5,245,600 |
| 612600 | Repairs to Collection Facilities | 53,774 | 444,600 | 572,000 | 549,500 | 419,400 | 419,400 | 419,400 |
| 612650 | Repairs to Process Facilities | 2,602,534 | 3,933,700 | 4,162,500 | 3,778,400 | 4,373,100 | 4,373,100 | 4,449,100 |
| 612680 | Repairs to Buildings | 515,796 | 626,700 | 418,100 | 238,600 | 841,700 | 841,700 | 841,700 |
| 612760 | Repairs to Material Handling and Farming Equipment | 74,184 | 84,300 | 126,500 | 126,500 | 100,000 | 100,000 | 100,000 |
| 612780 | Safety Repairs and Services | 26,232 | 28,800 | 28,800 | 28,700 | 31,600 | 31,600 | 31,600 |
| 612820 | Computer Software Maintenance | — | 3,200 | 3,200 | 3,200 | 3,400 | 3,400 | 3,400 |
| 612860 | Repairs to Vehicle Equipment | 35,021 | 66,700 | 66,700 | 35,300 | 53,500 | 53,500 | 53,500 |
| 612990 | Repairs, N.O.C. | 5,869 | 2,000 | 2,000 | — | 2,000 | 2,000 | 2,000 |
| 200 | TOTAL CONTRACTUAL SERVICES | 16,373,499 | 24,023,300 | 24,284,400 | 19,411,600 | 27,302,800 | 27,302,800 | 27,302,800 |
| 623030 | Metals | 9,510 | 10,100 | 10,100 | 8,700 | 12,100 | 12,100 | 12,100 |
| 623070 | Electrical Parts and Supplies | 576,874 | 803,900 | 803,900 | 658,900 | 1,215,400 | 1,215,400 | 1,215,400 |
| 623090 | Plumbing Accessories and Supplies | 95,267 | 201,100 | 151,100 | 94,000 | 243,100 | 243,100 | 243,100 |
| 623110 | Hardware | 1,147 | 2,800 | 2,800 | 1,000 | — | — | — |

| 101 68000 | Fund: Corporate Department: Maintenance & Operations Division: Calumet Service Area | LINE ITEM ANALYSIS | | | | | | |
|----------------------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 623130 | Buildings, Grounds, Paving Materials, and Supplies | 26,898 | 62,400 | 59,900 | 40,000 | 63,200 | 63,200 | 63,200 |
| 623190 | Paints, Solvents, and Related Materials | 9,818 | 2,800 | 2,800 | 2,700 | 3,000 | 3,000 | 3,000 |
| 623250 | Vehicle Parts and Supplies | 31,780 | 66,500 | 66,500 | 45,200 | 65,000 | 65,000 | 65,000 |
| 623270 | Mechanical Repair Parts | 600,643 | 704,800 | 1,127,800 | 898,200 | 1,189,800 | 1,189,800 | 1,189,800 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 8,782 | 20,000 | 23,000 | 22,000 | 15,800 | 15,800 | 15,800 |
| 623560 | Processing Chemicals | 1,227,723 | 2,454,900 | 2,397,900 | 1,996,200 | 5,112,100 | 5,112,100 | 5,112,100 |
| 623570 | Laboratory Testing Supplies, Small Equipment, and Chemicals | 2,750 | 7,000 | 7,000 | 2,700 | 7,000 | 7,000 | 7,000 |
| 623660 | Cleaning Supplies | 535 | 2,000 | 2,000 | 800 | 1,000 | 1,000 | 1,000 |
| 623680 | Tools and Supplies | 35,811 | 47,000 | 47,000 | 38,000 | 73,000 | 73,000 | 73,000 |
| 623780 | Safety and Medical Supplies | 8,982 | 20,300 | 17,300 | 9,500 | 15,800 | 15,800 | 15,800 |
| 623820 | Fuel | 61,426 | 83,000 | 75,000 | 74,900 | 108,000 | 108,000 | 108,000 |
| 623860 | Lubricants | 761 | 2,000 | 2,000 | 200 | 2,000 | 2,000 | 2,000 |
| 623990 | Materials and Supplies, N.O.C. | 42,275 | 32,500 | 32,500 | 29,100 | 39,500 | 39,500 | 39,500 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 2,740,982 | 4,523,100 | 4,828,600 | 3,922,100 | 8,165,800 | 8,165,800 | 8,165,800 |
| 634650 | Equipment for Process Facilities | 239,599 | 164,000 | 151,000 | 95,900 | 230,000 | 230,000 | 630,000 |
| 634760 | Material Handling and Farming Equipment | 276,502 | — | — | — | — | — | 1,100,000 |
| 634860 | Vehicle Equipment | 53,721 | 200,000 | 273,400 | 120,400 | 1,357,800 | 1,357,800 | 257,800 |
| 634990 | Machinery and Equipment, N.O.C. | 28,018 | 338,000 | 295,000 | 140,000 | 836,000 | 836,000 | 436,000 |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 597,840 | 702,000 | 719,400 | 356,300 | 2,423,800 | 2,423,800 | 2,423,800 |
| TOTAL CALUMET SERVICE AREA | | \$ 40,103,796 | \$ 50,927,800 | \$ 51,516,500 | \$ 44,887,300 | \$ 59,974,800 | \$ 59,974,800 | \$ 60,173,600 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation for a specific division as funding is controlled at the M&O Overall department-level or when transfers of funds are anticipated.

| Fund: Corporate Dept: Maintenance & Operations Division: Calumet Service Area | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 810 | Calumet Executive Office | | | | | |
| HP22 | Assistant Director of Maintenance & Operations | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 810 | Calumet Executive Office | 2 | 2 | 340,150 | 2 | 353,756 |
| 811 | Calumet Administrative & Budget Control Unit | | | | | |
| HP14 | Budget & Management Analyst | 2 | 2 | | — | |
| HP12 | Secretary #2 (Administrative Specialist) (New Grade HP11) | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| HP09 | Administrative Clerk | 1 | 1 | | 1 | |
| TOTAL 811 | Calumet Administrative & Budget Control Unit | 5 | 5 | 430,458 | 3 | 251,221 |
| 820 | Plant Engineering & Maintenance Section | | | | | |
| 821 | Administrative Unit | | | | | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |
| HP14 | Assistant Civil Engineer | — | — | | 1 | |
| HP14 | Engineering Technician V | 1 | 1 | | 1 | |
| TOTAL 821 | Administrative Unit | 2 | 2 | 301,813 | 3 | 414,751 |
| 823 | Electrical Engineering Unit | | | | | |
| HP17 | Senior Process Control Engineer | — | — | | 1 | |
| HP15 | Associate Process Control Engineer | 2 | 2 | | 1 | |
| HP15 | Associate Process Control Engineer #1 | — | — | | 1 | |
| NR6251 | Chief Electrical Operator | 1 | 1 | | 1 | |
| NR6233 | Electrical Operator II | 5 | 5 | | 5 | |
| NR6232 | Electrical Operator I | 6 | 6 | | 6 | |
| TOTAL 823 | Electrical Engineering Unit | 14 | 14 | 1,478,837 | 15 | 1,698,835 |
| 824 | Maintenance Unit | | | | | |
| HP19 | Master Mechanic | 1 | — | | — | |
| HP19 | Master Mechanic II #2 (Master Mechanic I) (New Grade HP18) | — | 1 | | — | |
| HP18 | Master Mechanic I | — | — | | 1 | |
| HP17 | Assistant Master Mechanic | 3 | 3 | | 3 | |
| PR5353 | Bricklayer | 1 | 1 | | 1 | |

| Fund: Corporate Dept: Maintenance & Operations Division: Calumet Service Area | | POSITION ANALYSIS | | | | |
|---|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| PR5155 | Carpenter Leadman | 1 | 1 | | 1 | |
| PR5153 | Carpenter | 2 | 2 | | 2 | |
| PR7425 | Electrical Instrument & Testing Mechanic Foreman | 1 | 1 | | 1 | |
| PR7423 | Electrical Instrument & Testing Mechanic | 7 | 7 | | 7 | |
| PR7347 | Electrical Mechanic Foreman | 1 | 1 | | 1 | |
| PR7349 | Electrical Mechanic Sub-Foreman | 1 | 1 | | 1 | |
| PR7343 | Electrical Mechanic | 10 | 10 | | 11 | |
| PR6453 | Hoisting Engineer | 3 | 3 | | 3 | |
| PR7579 | Machinist Foreman | 1 | 1 | | 1 | |
| PR7573 | Machinist | 10 | 10 | | 10 | |
| PR5553 | Painter | 2 | 2 | | 2 | |
| PR7779 | Pipefitter Foreman | 1 | 1 | | 1 | |
| PR7773 | Pipefitter | 9 | 9 | | 10 | |
| PR5753 | Plumber | 2 | 2 | | 2 | |
| PR5975 | Structural Ironworker Leadman | 1 | 1 | | 1 | |
| PR5973 | Structural Ironworker | 5 | 5 | | 5 | |
| PR6479 | Truck Driver Foreman | 1 | 1 | | 1 | |
| PR6473 | Truck Driver | 4 | 4 | | 6 | |
| TOTAL 824 | Maintenance Unit | 67 | 67 | 7,409,392 | 71 | 7,995,667 |
| 843 | Buildings & Grounds Unit | | | | | |
| HP14 | Engineering Technician V | 1 | 1 | | 1 | |
| HP12 | Engineering Technician IV | 1 | 1 | | 1 | |
| NR8331 | Laborer Foreman | 2 | 2 | | 2 | |
| NR8651 | Maintenance Laborer Class A | 8 | 8 | | 8 | |
| NR8652 | Maintenance Laborer Class B | 10 | 10 | | 10 | |
| NR8652 | Maintenance Laborer Class B #1 | — | 1 | | — | |
| TOTAL 843 | Buildings & Grounds Unit | 22 | 23 | 1,701,666 | 22 | 1,751,017 |
| TOTAL 820 | Plant Engineering & Maintenance Section | 105 | 106 | 10,891,708 | 111 | 11,860,270 |

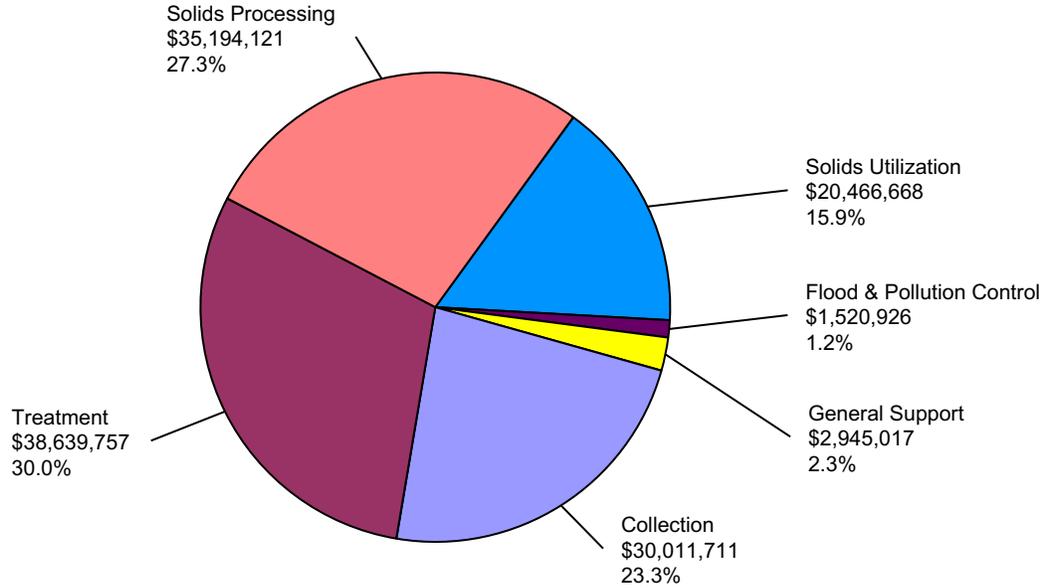
| Fund: Corporate Dept: Maintenance & Operations Division: Calumet Service Area | | POSITION ANALYSIS | | | | |
|---|------------------------------------|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 830 | Plant Operations Section | | | | | |
| 831 | Administrative Unit | | | | | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Engineer | 1 | 1 | | 1 | |
| TOTAL 831 | Administrative Unit | 2 | 2 | 362,957 | 2 | 393,817 |
| 832 | Treatment Operations Unit | | | | | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP16 | Treatment Plant Operator III | 1 | 1 | | 1 | |
| HP14 | Treatment Plant Operator II | 7 | 7 | | 8 | |
| HP14 | Treatment Plant Operator II #4 | 1 | 1 | | — | |
| HP12 | Treatment Plant Operator I | 5 | 5 | | 6 | |
| NR8650 | Maintenance Laborer Class A Shift | 8 | 8 | | 8 | |
| NR8651 | Maintenance Laborer Class A | 1 | 1 | | 1 | |
| TOTAL 832 | Treatment Operations Unit | 24 | 24 | 2,300,755 | 25 | 2,402,135 |
| 834 | Mechanical Operations Unit | | | | | |
| HP17 | Chief Operating Engineer I | 1 | 1 | | 1 | |
| HP16 | Assistant Chief Operating Engineer | 2 | 2 | | 2 | |
| NR6810 | Fireman-Oiler | 5 | 5 | | 5 | |
| NR8650 | Maintenance Laborer Class A Shift | 7 | 7 | | 7 | |
| NR6832 | Operating Engineer II | 12 | 12 | | 12 | |
| NR6831 | Operating Engineer I | 18 | 18 | | 18 | |
| PR6473 | Truck Driver | 2 | 2 | | — | |
| TOTAL 834 | Mechanical Operations Unit | 47 | 47 | 4,951,027 | 45 | 5,089,928 |
| 839 | Lemont Operations Unit | | | | | |
| HP14 | Treatment Plant Operator II | 1 | 1 | | 1 | |
| HP12 | Treatment Plant Operator I | 2 | 2 | | 2 | |
| TOTAL 839 | Lemont Operations Unit | 3 | 3 | 285,642 | 3 | 302,592 |
| TOTAL 830 | Plant Operations Section | 76 | 76 | 7,900,381 | 75 | 8,188,472 |
| 850 | Solids Management Section | | | | | |
| HP17 | Senior Engineer | 1 | 1 | | 1 | |
| HP14 | Engineering Technician V | 2 | 2 | | 2 | |

| Fund: Corporate Dept: Maintenance & Operations Division: Calumet Service Area | | POSITION ANALYSIS | | | | |
|---|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP12 | Engineering Technician IV | 1 | 1 | | 1 | |
| HP11 | Engineering Technician III | 1 | 2 | | 2 | |
| TOTAL 850 | Solids Management Section | 5 | 6 | 582,298 | 6 | 600,523 |
| TOTAL | Maintenance & Operations Calumet Service Area | 193 | 195 | 20,144,996 | 197 | 21,254,243 |

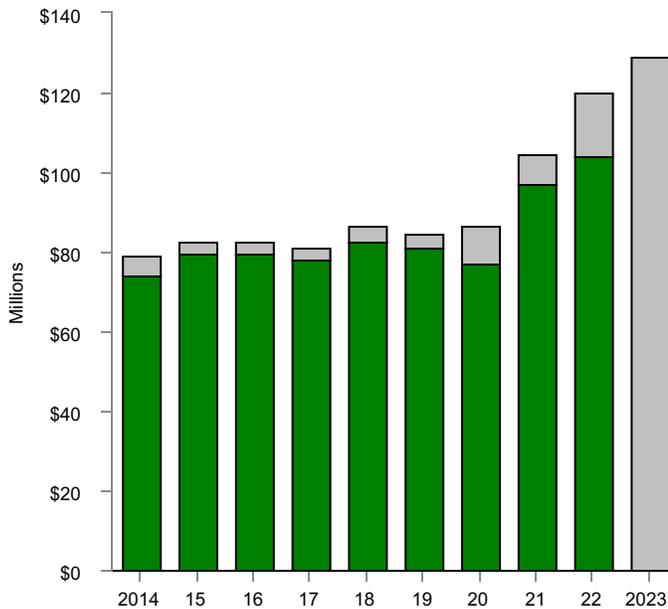
NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

MAINTENANCE & OPERATIONS - STICKNEY SERVICE AREA FUNCTIONS

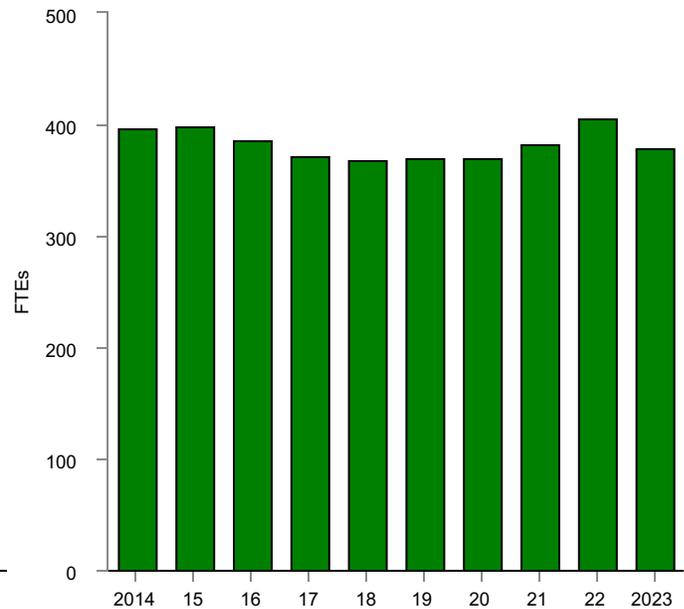
| | |
|----------|---------------|
| 2023 | \$128,778,200 |
| 2022 | \$119,768,300 |
| Increase | \$9,009,900 |



APPROPRIATIONS & EXPENDITURES



BUDGETED FTE POSITIONS



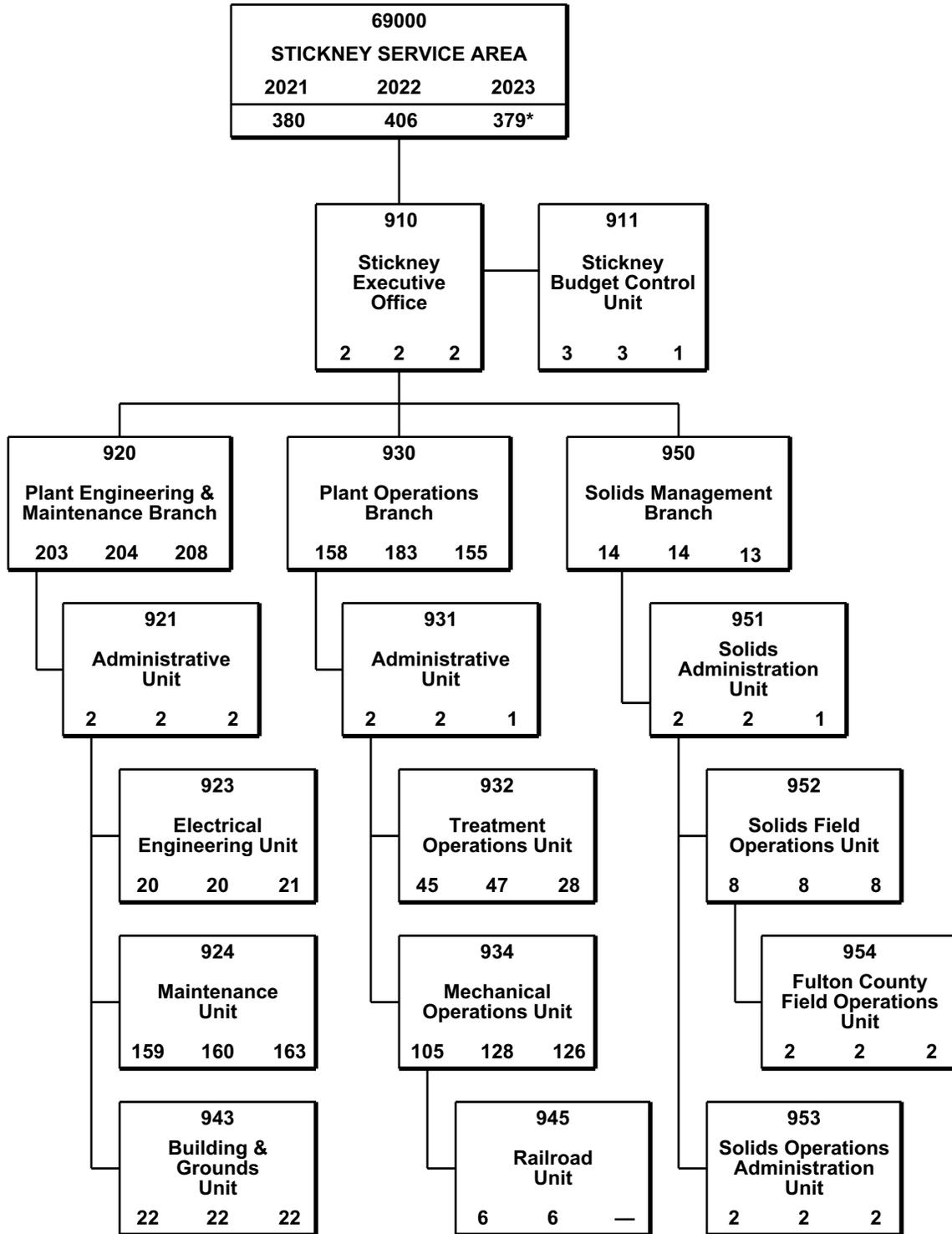
2022 Expenditures are estimated

■ EXPENDITURES ■ APPROPRIATIONS

2016, 2017 - Decreases are due to organizational redesign.
2021 - Increase is due to the transfer of the Solids Management Section from the General Division.
2023 - Decrease is due to organizational redesign.

2019 - Decrease is due to the transfer of the Biosolids Processing Facility (Pelletizer) to the General Division.
2021 - Increase is due to the transfer of the Solids Management Section from the General Division.
2022, 2023 - Increase is due to rising costs of electrical energy, natural gas, and chemicals.

MAINTENANCE & OPERATIONS - STICKNEY SERVICE AREA



* In 2023, nine positions in the Stickney Service Area are funded by the Stormwater Management Fund while the operations remain in the Maintenance & Operations Department, one in Unit 924 and eight in Unit 934.

69000 M&O - STICKNEY SERVICE AREA

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | | Cost | Percent |
|-------------------------|--|----------------------|--------------------|
| 1. | COLLECTION & TREATMENT: The Stickney Service Area will collect and treat approximately 246.8 billion gallons of wastewater through its treatment facilities. | \$ 68,651,468 | 53.3 % |
| | Design: Flows ^ CBOD * SS * | | |
| | Stickney Water Reclamation Plant | 1,200 MGD | 10 mg/L 12 mg/L |
| | ^ In millions of gallons per day (MGD). | | |
| | * National Pollutant Discharge Elimination System monthly effluent quality standards in milligrams per liter: | | |
| | CBOD - Carbonaceous Biochemical Oxygen Demand | | |
| | SS - Suspended Solids | | |
| 2. | SOLIDS PROCESSING: The Stickney Service Area will remove 124,100 dry tons and process 168,100 dry tons of solids (includes 44,000 dry tons from North Service Area) through various systems, including heated anaerobic digestion, centrifuging, concentration, lagoon stabilization, and air drying. | \$ 35,194,121 | 27.3 % |
| 3. | SOLIDS UTILIZATION: The Stickney Service Area will beneficially utilize 70,000 dry tons of biosolids for farmland application, District-funded green infrastructure projects, public works projects, highway authority projects, golf courses and parks, and other final utilization sites. | \$ 20,466,668 | 15.9 % |
| 4. | FLOOD & POLLUTION CONTROL: The Stickney Service Area will work to prevent local area flooding through the operation of five detention reservoirs, in cooperation with local communities. It will also work to maintain the quality of the waterways system and associated District property, in cooperation with the debris boats and the channel maintenance and debris boat crews. | \$ 1,520,926 | 1.2 % |
| 5. | GENERAL SUPPORT: The Stickney Service Area will provide technical and administrative support for other departments not directly related to the operational activities of Collection & Treatment, Solids Processing, Solids Utilization, and Flood & Pollution Control. | \$2,945,017 | 2.3 % |
| Division Totals | | <u>\$128,778,200</u> | <u>100.0 %</u> |

69000 M&O - STICKNEY SERVICE AREA

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|-----------------------|-----------------------------|--------------|----------|-------------------|----------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 1000 | Collection | \$20,555,112 | 2023 | 79 \$ 30,011,711 | \$ 2,545,351 | 9.3 | |
| | | | 2022 | 81 \$ 27,466,360 | | | |
| 1100 | Surface Interceptor Systems | \$ 209,820 | 2023 | — \$ 331,500 | \$ 59,100 | 21.7 | a) |
| | | | 2022 | — \$ 272,400 | | | |
| 1200 | Tunnel and Reservoir System | \$ 4,847,645 | 2023 | 13 \$ 8,357,800 | \$ 407,300 | 5.1 | b) |
| | | | 2022 | 14 \$ 7,950,500 | | | |
| 1300 | Pumping Station Facilities | \$ 7,347,120 | 2023 | 28 \$ 13,193,100 | \$ 3,308,900 | 33.5 | c) |
| | | | 2022 | 29 \$ 9,884,200 | | | |
| 1900 | Collection - Indirect Costs | \$ 8,150,527 | 2023 | 38 \$ 8,129,311 | \$ (1,229,949) | (13.1) | d) |
| | | | 2022 | 38 \$ 9,359,260 | | | |
| 2000 | Treatment | \$26,432,001 | 2023 | 121 \$ 38,011,057 | \$ 1,258,245 | 3.4 | |
| | | | 2022 | 139 \$ 36,752,812 | | | |
| 2000 | Pre-Treatment | \$ 2,030,621 | 2023 | 16 \$ 2,172,300 | \$ (50,900) | (2.3) | |
| | | | 2022 | 24 \$ 2,223,200 | | | |
| 2100 | Primary Treatment | \$ 1,770,402 | 2023 | 16 \$ 1,597,300 | \$ (69,000) | (4.1) | |
| | | | 2022 | 23 \$ 1,666,300 | | | |
| 2200 | Secondary Treatment | \$ 7,498,312 | 2023 | 26 \$ 12,316,200 | \$ 1,425,600 | 13.1 | e) |
| | | | 2022 | 28 \$ 10,890,600 | | | |
| 2300 | Tertiary Treatment | \$ 16,105 | 2023 | — \$ 16,000 | \$ 300 | 1.9 | |
| | | | 2022 | — \$ 15,700 | | | |
| 2900 | Treatment - Indirect Costs | \$15,116,561 | 2023 | 63 \$ 21,909,257 | \$ (47,755) | (0.2) | |
| | | | 2022 | 64 \$ 21,957,012 | | | |

a) Increase is due to an increased cost for electrical energy at pumping stations and control gates (\$59,100).

b) Increase is due to an increased demand for Janus wireless telemetry parts (\$200,400) and an increased cost of electrical energy for Mainstream Pumping Station and Tunnel and Reservoir Plan facilities (\$128,900) and cathodic protection system maintenance (\$95,000).

c) Increase is due to an increased cost for electrical energy at Stickney WRP pumping stations (\$1,438,800), the reallocation of the service contract for repairs and alterations to various WRPs to more accurately reflect the impact on processing equipment (\$1,377,600), and an increased demand for rehabilitation of rotating assemblies (\$615,000).

d) Decrease is due to the reduction and reallocation of the service contract for repairs and alterations to various WRPs to more accurately reflect the impact on processing equipment (\$1,451,600), offset by an increased cost for electrical energy for Stickney WRP general service (\$114,200) and an increased demand for hydrogen peroxide (\$72,600).

e) Increase is due to the addition and reallocation of the service contract for repairs and alterations to various WRPs to more accurately reflect the impact on processing equipment (\$2,061,200) and the reallocation of salaries to more accurately reflect current activities (\$123,100), offset by the reduced demand for electric service for aeration blowers (\$420,600), final tank painting (\$373,900), and parts for process blowers (\$110,000).

69000 M&O - STICKNEY SERVICE AREA

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|-----------------------|---|--------------|----------|--------------------|--------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 3000 | Solids Processing | \$27,746,862 | 2023 | 133 \$ 35,194,121 | \$ 3,296,483 | 10.3 | |
| | | | 2022 | 139 \$ 31,897,638 | | | |
| 3100 | Thickening | \$ 6,755,218 | 2023 | 26 \$ 6,710,400 | \$ 1,239,900 | 22.7 | f) |
| | | | 2022 | 25 \$ 5,470,500 | | | |
| 3200 | Stabilization | \$ 3,656,823 | 2023 | 27 \$ 4,544,300 | \$ 321,000 | 7.6 | g) |
| | | | 2022 | 27 \$ 4,223,300 | | | |
| 3300 | Dewatering | \$ 9,811,345 | 2023 | 32 \$ 14,833,800 | \$ 1,702,500 | 13.0 | h) |
| | | | 2022 | 35 \$ 13,131,300 | | | |
| 3900 | Solids Processing - Indirect Costs | \$ 7,523,476 | 2023 | 48 \$ 9,105,621 | \$ 33,083 | 0.4 | |
| | | | 2022 | 52 \$ 9,072,538 | | | |
| 4000 | Flood & Pollution Control | \$ 917,168 | 2023 | 6 \$ 1,520,926 | \$ 61,251 | 4.2 | |
| | | | 2022 | 7 \$ 1,459,675 | | | |
| 4200 | Waterways Control and Stormwater Reservoirs | \$ 597,261 | 2023 | 5 \$ 640,300 | \$ 35,600 | 5.9 | |
| | | | 2022 | 5 \$ 604,700 | | | |
| 4900 | Flood & Pollution Control - Indirect Costs | \$ 319,907 | 2023 | 1 \$ 880,626 | \$ 25,651 | 3.0 | |
| | | | 2022 | 2 \$ 854,975 | | | |
| 5000 | Solids Utilization | \$18,475,598 | 2023 | 25 \$ 20,466,668 | \$ 1,644,452 | 8.7 | |
| | | | 2022 | 25 \$ 18,822,216 | | | |
| 5100 | Solids Drying | \$ 4,258,318 | 2023 | 7 \$ 4,171,600 | \$ 118,300 | 2.9 | |
| | | | 2022 | 7 \$ 4,053,300 | | | |
| 5200 | Solids Distribution | \$11,687,346 | 2023 | 6 \$ 13,114,800 | \$ 1,507,900 | 13.0 | i) |
| | | | 2022 | 6 \$ 11,606,900 | | | |
| 5900 | Solids Utilization - Indirect Costs | \$ 2,529,934 | 2023 | 12 \$ 3,180,268 | \$ 18,252 | 0.6 | |
| | | | 2022 | 12 \$ 3,162,016 | | | |
| 7000 | General Support (excluding program number 7604) | \$ 2,286,988 | 2023 | 15 \$ 2,945,017 | \$ 204,918 | 7.5 | j) |
| | | | 2022 | 15 \$ 2,740,099 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 563,200 | 2023 | — \$ 628,700 | \$ (800) | (0.1) | |
| | | | 2022 | — \$ 629,500 | | | |
| Division Totals | | \$96,976,929 | 2023 | 379 \$ 128,778,200 | \$ 9,009,900 | 7.5 % | * |
| | | | 2022 | 406 \$ 119,768,300 | | | |

f) Increase is due to an increased demand for polymer (\$674,300), an increased cost for electrical services for the pre-digester centrifuge (\$272,300), the reallocation of salaries to more accurately reflect current activities (\$141,200), and an increased demand for centrifuge rehabilitation services (\$120,000).

g) Increase is due to an increased cost for electrical energy for digesters (\$272,300).

h) Increase is due to an increased demand for polymer (\$763,100), ferric chloride (\$274,300), sodium hydroxide (\$190,000), an increased cost for electrical energy for post-digester centrifuge (\$163,000), the reallocation of salaries to more accurately reflect current activities (\$150,600), and magnesium chloride (\$78,700).

i) Increase is due to the increased demand for the beneficial reuse of biosolids (\$1,300,000) and electrical services at the Pelletizer Facility (\$217,200).

j) Increase is due to the increased cost of electrical services for Stickney WRP general service (\$103,800) and the reallocation of salaries to more accurately reflect current activities (\$60,500).

* The 2023 position total for the Stickney Service Area is 379, with an additional nine positions budgeted in the Stormwater Management Fund.

69000 M&O - STICKNEY SERVICE AREA

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|--|-------------------|---------------|----------------|----------------|----|
| 1000-2900 | Collection & Treatment | | | | | |
| | Collect and Treat Wastewater at the Stickney Water Reclamation Plant | Mil. Gallons | 222,642 | 271,300 | 246,800 | |
| | | Cost | \$ 46,987,113 | \$ 64,219,172 | \$ 68,022,768 | a) |
| | | Cost/Mil. Gallons | \$ 211.04 | \$ 236.71 | \$ 275.62 | a) |
| 3000 | Solids Processing | | | | | |
| | Remove 124,100 Dry Tons of Solids and Process 168,100 Dry Tons of Solids (Includes 44,000 Dry Tons from North Service Area) Through Various Systems, Including Heated Anaerobic Digestion, Centrifuging, Concentration, Lagoon Stabilization, and Air Drying | Dry Tons | 163,943 | 141,700 | 168,100 | b) |
| | | Cost | \$ 27,746,862 | \$ 31,897,638 | \$ 35,194,121 | b) |
| | | Cost/Dry Ton | \$ 169.25 | \$ 225.11 | \$ 209.36 | |
| 4000 | Flood & Pollution Control | | | | | |
| | Operation and Maintenance of the Waterways to Minimize Area Flooding and Pollution | | | | | |
| 4200 | Minimize Area Flooding and Pollution of Lake Michigan Through the Continuous Control of Water Levels in Major Rivers and Canals and the Operation of Detention Reservoirs | Reservoirs | 5 | 5 | 5 | |
| | | Cost | \$ 597,261 | \$ 604,700 | \$ 640,300 | |
| | | Cost/Reservoir | \$ 119,452.20 | \$ 120,940.00 | \$ 128,060.00 | |
| 4900 | Flood & Pollution Control - Indirect Costs | Cost | \$ 319,907 | \$ 854,975 | \$ 880,626 | |
| 5000 | Solids Utilization | | | | | |
| | Utilize Biosolids for Application at Final Utilization Sites such as Farmland, District-Funded Green Infrastructure Projects, Public Works Projects, Golf Courses, Highway Authorities, and Parks. | Dry Tons | 67,453 | 78,000 | 70,000 | |
| | | Cost | \$ 13,350,430 | \$ 13,399,716 | \$ 13,526,268 | |
| | | Cost/Dry Ton | \$ 197.92 | \$ 171.79 | \$ 193.23 | |
| 5271 | Pelletizer Disposal | Dry Tons | 42,797 | 40,000 | 43,000 | |
| | Control Management and Disposal of Solids by Private Contracts | Cost | \$ 5,125,168 | \$ 5,422,500 | \$ 6,940,400 | c) |
| | | Cost/Dry Ton | \$ 119.76 | \$ 135.56 | \$ 161.40 | c) |
| 7000 | General Support (excluding program number 7604) | | | | | |
| | Technical and Administrative Support for Other Departments' Activities Indirectly Related to the Operational Activities of Collection and Treatment, Solids Processing, Flood & Pollution Control, and Solids Utilization | Cost | \$ 2,286,988 | \$ 2,740,099 | \$ 2,945,017 | d) |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 563,200 | \$ 629,500 | \$ 628,700 | |
| | Division Totals | | \$ 96,976,929 | \$ 119,768,300 | \$ 128,778,200 | |

- a) Increase is due to an increased cost for electrical energy at Stickney WRP pumping stations (\$1,438,800), the reallocation of the service contract for repairs and alterations to various WRPs to more accurately reflect the impact on processing equipment (\$1,377,600), the increased demand for rehabilitation of rotating assemblies (\$615,000), and the procurement of the 644P Wheel Loader (\$354,000).
- b) Increase is due to the increased demand for polymer (\$1,437,400), an increased cost of electrical services (\$1,017,800), the reallocation of salaries to more accurately reflect current activities (\$611,900), and the increased cost of sodium hydroxide (\$190,000).
- c) Increase is due to the increased demand for beneficial reuse of biosolids at the Pelletizer Facility (\$1,300,000) and an increased cost of electrical energy at the Pelletizer facility (\$217,200).
- d) Increase is due to the increased cost of electrical services for Stickney WRP general service (\$103,800) and the reallocation of salaries to more accurately reflect current activities (\$60,500), and the increased demand for parts for centrifuges (\$17,500).

| 101 69000 | Fund: Corporate Department: Maintenance & Operations Division: Stickney Service Area | LINE ITEM ANALYSIS | | | | | | |
|----------------|--|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 37,786,157 | \$ 40,071,100 | \$ 40,379,000 | \$ 39,100,200 | \$ 40,931,400 | \$ 40,980,600 | \$ 41,303,900 |
| 601060 | Compensation Plan Adjustments | 2,460,375 | 3,105,100 | 2,797,200 | 2,665,600 | 2,398,800 | 2,394,600 | 2,407,000 |
| 601070 | Social Security and Medicare Contributions | 563,200 | 629,500 | 629,500 | 584,700 | 628,700 | 628,700 | 628,700 |
| 601080 | Salaries of Nonbudgeted Employees | — | 5,000 | 300 | — | 5,000 | 5,000 | 5,000 |
| 601100 | Tuition and Training Payments | 24,491 | 110,500 | 110,500 | 29,900 | 103,800 | 103,800 | 103,800 |
| 100 | TOTAL PERSONAL SERVICES | 40,834,223 | 43,921,200 | 43,916,500 | 42,380,400 | 44,067,700 | 44,112,700 | 44,448,400 |
| 612010 | Travel | — | 5,400 | 5,400 | 1,400 | 3,200 | 3,200 | 3,200 |
| 612030 | Meals and Lodging | 15,417 | 26,500 | 26,500 | 24,200 | 26,900 | 26,900 | 26,900 |
| 612050 | Compensation for Personally-Owned Automobiles | 27,330 | 45,000 | 45,000 | 26,100 | 30,000 | 30,000 | 30,000 |
| 612080 | Motor Vehicle Operating Services | — | 300 | 300 | 300 | 300 | 300 | 300 |
| 612150 | Electrical Energy | 17,088,326 | 26,669,900 | 25,369,900 | 20,997,900 | 29,307,200 | 29,307,200 | 29,177,200 |
| 612160 | Natural Gas | 1,263,582 | 2,282,000 | 2,282,000 | 1,430,400 | 4,816,200 | 4,816,200 | 4,816,200 |
| 612170 | Water and Water Services | 1,380,023 | 1,449,600 | 1,449,600 | 1,152,300 | 1,539,200 | 1,539,200 | 1,539,200 |
| 612240 | Testing and Inspection Services | 67,563 | 95,400 | 95,400 | 58,700 | 80,400 | 80,400 | 80,400 |
| 612330 | Rental Charges | 123,254 | 137,600 | 137,600 | 135,600 | 141,300 | 141,300 | 141,300 |
| 612410 | Governmental Service Charges | 90,440 | 90,700 | 90,700 | 90,300 | 90,900 | 90,900 | 90,900 |
| 612420 | Maintenance of Grounds and Pavements | 984,514 | 1,224,800 | 1,224,800 | 754,400 | 1,265,200 | 1,209,200 | 1,209,200 |
| 612430 | Payments for Professional Services | 62,689 | 93,600 | 93,300 | 80,500 | 93,600 | 93,600 | 93,600 |
| 612490 | Contractual Services, N.O.C. | 373,991 | 586,100 | 586,100 | 564,000 | 557,400 | 651,400 | 651,400 |
| 612520 | Waste Material Disposal Charges | 8,557,348 | 8,179,900 | 8,179,900 | 7,678,600 | 8,375,100 | 8,375,100 | 8,375,100 |
| 612590 | Sludge Disposal | 4,488,774 | 4,500,000 | 5,800,000 | 5,450,000 | 5,800,000 | 5,800,000 | 5,800,000 |
| 612600 | Repairs to Collection Facilities | 1,796,721 | 1,987,400 | 2,262,400 | 1,469,600 | 2,729,400 | 2,729,400 | 2,729,400 |
| 612650 | Repairs to Process Facilities | 4,645,558 | 9,186,700 | 8,122,100 | 5,621,000 | 7,064,200 | 7,064,200 | 7,064,200 |
| 612670 | Repairs to Railroads | 1,007,413 | 719,000 | 979,700 | 720,600 | 476,000 | 476,000 | 476,000 |
| 612680 | Repairs to Buildings | 269,748 | 495,400 | 544,600 | 227,000 | 606,000 | 568,000 | 568,000 |
| 612760 | Repairs to Material Handling and Farming Equipment | 749,614 | 240,500 | 240,500 | 208,300 | 290,500 | 290,500 | 290,500 |
| 612780 | Safety Repairs and Services | 217,423 | 290,000 | 290,000 | 217,400 | 264,800 | 264,800 | 264,800 |
| 612820 | Computer Software Maintenance | 8,919 | 6,400 | 6,400 | 6,400 | 6,700 | 6,700 | 6,700 |
| 612860 | Repairs to Vehicle Equipment | 10,892 | 33,100 | 33,100 | 22,700 | 27,100 | 27,100 | 27,100 |
| 612990 | Repairs, N.O.C. | 4,237 | 18,000 | 18,000 | 6,700 | 18,000 | 18,000 | 18,000 |
| 200 | TOTAL CONTRACTUAL SERVICES | 43,233,778 | 58,363,300 | 57,883,300 | 46,944,400 | 63,609,600 | 63,609,600 | 63,479,600 |

| 101 69000 | Fund: Corporate Department: Maintenance & Operations Division: Stickney Service Area | LINE ITEM ANALYSIS | | | | | | |
|----------------|--|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 623030 | Metals | 8,693 | 10,400 | 10,400 | 10,200 | 10,400 | 10,400 | 10,400 |
| 623070 | Electrical Parts and Supplies | 938,091 | 1,342,700 | 1,525,900 | 1,044,600 | 1,680,500 | 1,680,500 | 1,595,500 |
| 623090 | Plumbing Accessories and Supplies | 347,059 | 360,100 | 497,600 | 440,100 | 372,300 | 372,300 | 372,300 |
| 623110 | Hardware | 1,532 | 6,100 | 6,100 | 3,400 | 2,100 | 2,100 | 2,100 |
| 623130 | Buildings, Grounds, Paving Materials, and Supplies | 51,123 | 57,200 | 59,200 | 51,200 | 83,700 | 83,700 | 83,700 |
| 623170 | Fiber, Paper, and Insulation Materials | 5,588 | 5,500 | 5,500 | 5,200 | 5,500 | 5,500 | 5,500 |
| 623190 | Paints, Solvents, and Related Materials | 2,494 | 1,300 | 1,400 | 1,200 | 3,000 | 3,000 | 3,000 |
| 623250 | Vehicle Parts and Supplies | 34,429 | 126,000 | 173,900 | 143,300 | 118,000 | 118,000 | 118,000 |
| 623270 | Mechanical Repair Parts | 2,181,441 | 3,332,000 | 3,235,300 | 2,913,400 | 3,494,500 | 3,494,500 | 3,494,500 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 8,362 | 11,500 | 15,000 | 12,100 | 14,000 | 14,000 | 14,000 |
| 623530 | Farming Supplies | 3,975 | 4,000 | 4,000 | 3,500 | 4,000 | 4,000 | 4,000 |
| 623560 | Processing Chemicals | 8,685,082 | 10,553,400 | 10,411,000 | 8,600,100 | 12,759,600 | 12,759,600 | 12,759,600 |
| 623570 | Laboratory Testing Supplies, Small Equipment, and Chemicals | 2,737 | 2,500 | 2,500 | 1,800 | 2,500 | 2,500 | 2,500 |
| 623660 | Cleaning Supplies | 1,685 | 2,500 | 2,500 | 2,400 | 2,500 | 2,500 | 2,500 |
| 623680 | Tools and Supplies | 102,246 | 99,700 | 110,700 | 106,000 | 99,700 | 99,700 | 99,700 |
| 623700 | Wearing Apparel | — | 600 | 600 | 200 | 600 | 600 | 600 |
| 623780 | Safety and Medical Supplies | 1,003 | 1,400 | 1,400 | 1,200 | 5,900 | 5,900 | 5,900 |
| 623800 | Computer Software | 15,675 | 31,500 | — | — | 31,500 | 31,500 | 31,500 |
| 623810 | Computer Supplies | 21,011 | 17,000 | 17,000 | 7,000 | 17,000 | 17,000 | 17,000 |
| 623820 | Fuel | 199,332 | 251,400 | 326,400 | 333,500 | 449,000 | 477,300 | 477,300 |
| 623840 | Gases | 140 | — | — | — | — | — | — |
| 623860 | Lubricants | 13,045 | 35,200 | 35,200 | 33,300 | 35,200 | 35,200 | 35,200 |
| 623990 | Materials and Supplies, N.O.C. | 42,025 | 55,300 | 55,300 | 48,900 | 61,400 | 61,400 | 61,400 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 12,666,768 | 16,307,300 | 16,496,900 | 13,762,600 | 19,252,900 | 19,281,200 | 19,196,200 |
| 634600 | Equipment for Collection Facilities | — | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 |
| 634650 | Equipment for Process Facilities | 54,549 | 435,000 | 346,000 | 202,000 | 543,000 | 543,000 | 628,000 |
| 634670 | Railroad Equipment | 24,958 | — | — | — | — | — | — |
| 634760 | Material Handling and Farming Equipment | — | 330,000 | 350,000 | 350,000 | 313,000 | 313,000 | 402,000 |
| 634860 | Vehicle Equipment | 143,255 | 386,500 | 98,900 | 98,900 | 413,000 | 413,000 | 454,000 |

| 101 69000 | Fund: Corporate Department: Maintenance & Operations Division: Stickney Service Area | LINE ITEM ANALYSIS | | | | | | |
|-----------------------------|--|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 634990 | Machinery and Equipment, N.O.C. | 19,397 | — | — | — | 145,000 | 145,000 | 145,000 |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 242,159 | 1,176,500 | 819,900 | 675,900 | 1,439,000 | 1,439,000 | 1,654,000 |
| TOTAL STICKNEY SERVICE AREA | | \$ 96,976,928 | \$ 119,768,300 | \$ 119,116,600 | \$103,763,300 | \$128,369,200 | \$ 128,442,500 | \$ 128,778,200 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation for a specific division as funding is controlled at the M&O Overall department-level or when transfers of funds are anticipated.

| Fund: Corporate Dept: Maintenance & Operations Division: Stickney Service Area | | POSITION ANALYSIS | | | | |
|--|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 910 | Stickney Executive Office | | | | | |
| HP23 | Deputy Director of Maintenance & Operations | 1 | 1 | | 1 | |
| HP12 | Secretary #2 (Administrative Specialist) (New Grade HP11) | 1 | 1 | | 1 | |
| TOTAL 910 | Stickney Executive Office | 2 | 2 | 375,282 | 2 | 390,294 |
| 911 | Stickney Budget Control Unit | | | | | |
| HP14 | Budget & Management Analyst | 2 | 2 | | — | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 911 | Stickney Budget Control Unit | 3 | 3 | 282,386 | 1 | 62,065 |
| 920 | Plant Engineering & Maintenance Branch | | | | | |
| 921 | Administrative Unit | | | | | |
| HP21 | Engineer of Treatment Plant Operations | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | — | | 1 | |
| HP11 | Administrative Specialist #1 | — | 1 | | — | |
| TOTAL 921 | Administrative Unit | 2 | 2 | 311,206 | 2 | 323,654 |
| 923 | Electrical Engineering Unit | | | | | |
| HP18 | Principal Electrical Engineer | — | — | | 1 | |
| HP17 | Senior Electrical Engineer | 1 | 1 | | — | |
| HP17 | Senior Process Control Engineer | — | — | | 2 | |
| HP15 | Associate Process Control Engineer | 2 | 2 | | — | |
| HP15 | Associate Process Control Engineer #1 | — | — | | 1 | |
| HP12 | Engineering Technician IV | 1 | 1 | | 1 | |
| NR6275 | Chief Powerhouse Dispatcher I | 1 | 1 | | 1 | |
| NR6272 | Powerhouse Dispatcher | 4 | 4 | | 4 | |
| NR6233 | Electrical Operator II | 11 | 11 | | 11 | |
| TOTAL 923 | Electrical Engineering Unit | 20 | 20 | 2,212,717 | 21 | 2,531,753 |
| 924 | Maintenance Unit | | | | | |
| HP19 | Master Mechanic | 1 | — | | — | |
| HP19 | Master Mechanic II | — | 1 | | 1 | |
| HP17 | Assistant Master Mechanic | 5 | 5 | | 5 | |
| HP14 | Assistant Mechanical Engineer | — | — | | 1 | |
| HP14 | Engineering Technician V | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| PR5935 | Architectural Ironworker Leadman | 1 | 1 | | 1 | |
| PR5933 | Architectural Ironworker | 3 | 3 | | 3 | |

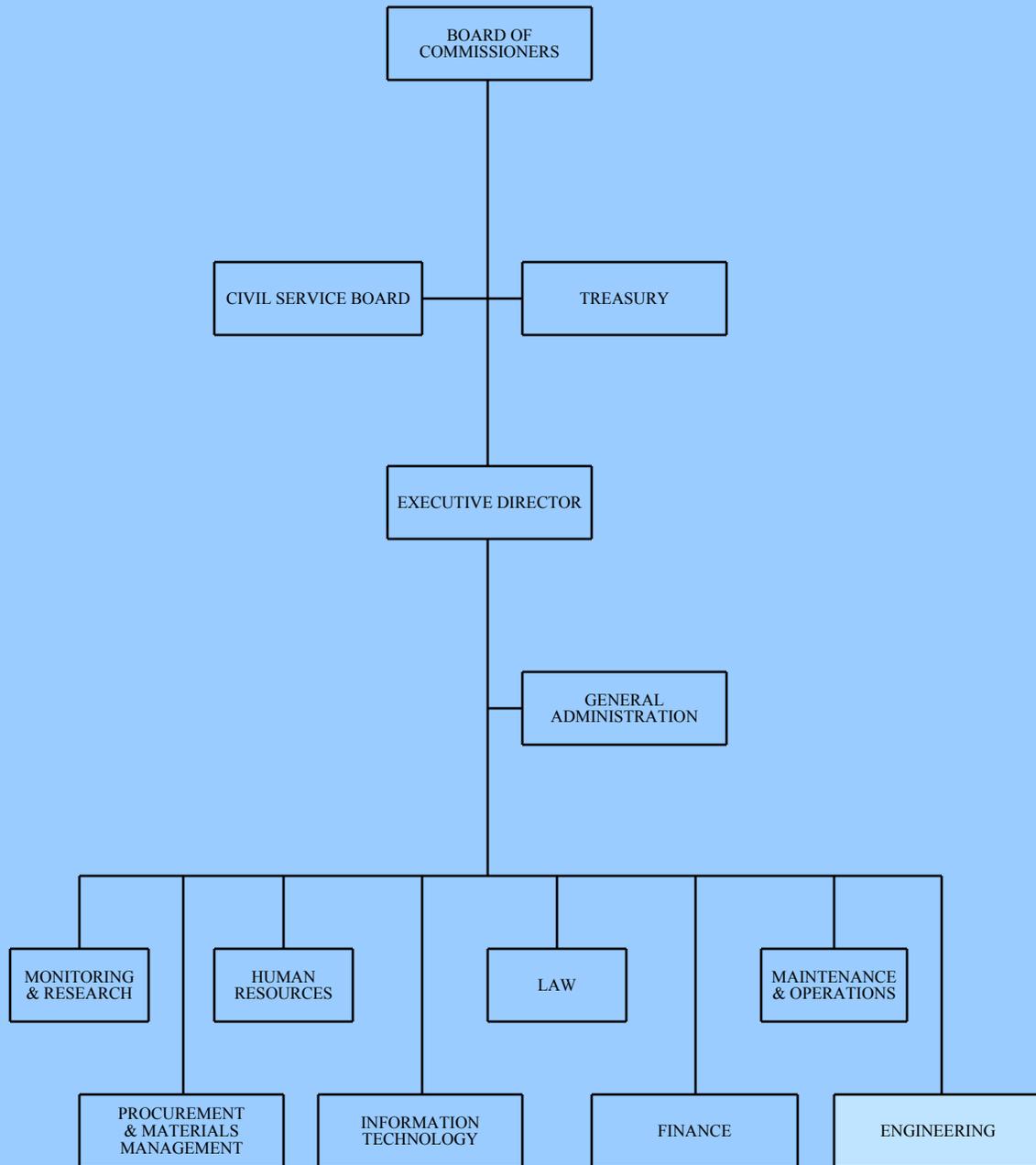
| Fund: Corporate Dept: Maintenance & Operations Division: Stickney Service Area | | POSITION ANALYSIS | | | | |
|--|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| PR5353 | Bricklayer | 1 | 1 | | 1 | |
| PR5159 | Carpenter Foreman | 1 | 1 | | 1 | |
| PR5155 | Carpenter Leadman | 1 | 1 | | 1 | |
| PR5153 | Carpenter | 6 | 6 | | 6 | |
| PR7425 | Electrical Instrument & Testing Mechanic Foreman | 1 | 1 | | 1 | |
| PR7424 | Electrical Instrument & Testing Mechanic Leadman | 1 | 1 | | 1 | |
| PR7423 | Electrical Instrument & Testing Mechanic | 13 | 13 | | 13 | |
| PR7347 | Electrical Mechanic Foreman | 1 | 1 | | 1 | |
| PR7349 | Electrical Mechanic Sub-Foreman | 2 | 2 | | 2 | |
| PR7343 | Electrical Mechanic | 18 | 18 | | 19 | |
| PR6459 | Hoisting Engineer Foreman | 1 | 1 | | 1 | |
| PR6453 | Hoisting Engineer | 10 | 10 | | 10 | |
| PR5989 | Ironworker Foreman | 1 | 1 | | 1 | |
| PR5973 | Structural Ironworker | 9 | 9 | | 9 | |
| PR7579 | Machinist Foreman | 1 | 1 | | 1 | |
| PR7575 | Machinist Leadman | 2 | 2 | | 2 | |
| PR7573 | Machinist | 26 | 26 | | 26 | |
| PR5555 | Painter Leadman | 1 | 1 | | 1 | |
| PR5553 | Painter | 3 | 3 | | 3 | |
| PR7743 | Pipecoverer | 1 | 2 | | 2 | |
| PR7779 | Pipefitter Foreman | 1 | 1 | | 1 | |
| PR7775 | Pipefitter Leadman | 2 | 2 | | 2 | |
| PR7773 | Pipefitter | 23 | 23 | | 24 | |
| PR5759 | Plumber Foreman | 1 | 1 | | 1 | |
| PR5753 | Plumber | 4 | 4 | | 4 | |
| PR5955 | Sheet Metal Worker Leadman | 1 | 1 | | 1 | |
| PR5953 | Sheet Metal Worker | 6 | 6 | | 6 | |
| PR6479 | Truck Driver Foreman | 1 | 1 | | 1 | |
| PR6473 | Truck Driver | 8 | 8 | | 8 | |
| TOTAL 924 | Maintenance Unit | 159 | 160 | 17,504,623 | 163 | 18,285,041 |
| 943 | Buildings & Grounds Unit | | | | | |
| HP18 | Principal Mechanical Engineer | 1 | 1 | | — | |
| HP17 | Senior Engineer | — | — | | 1 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |

| Fund: Corporate Dept: Maintenance & Operations Division: Stickney Service Area | | POSITION ANALYSIS | | | | |
|--|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP14 | Engineering Technician V | 2 | 2 | | 2 | |
| NR8331 | Laborer Foreman | 2 | 2 | | 2 | |
| NR8651 | Maintenance Laborer Class A | 7 | 7 | | 7 | |
| NR8652 | Maintenance Laborer Class B | 9 | 9 | | 9 | |
| TOTAL 943 | Buildings & Grounds Unit | 22 | 22 | 1,831,498 | 22 | 1,848,971 |
| TOTAL 920 | Plant Engineering & Maintenance Branch | 203 | 204 | 21,860,044 | 208 | 22,989,419 |
| 930 | Plant Operations Branch | | | | | |
| 931 | Administrative Unit | | | | | |
| HP21 | Engineer of Treatment Plant Operations | 1 | 1 | | 1 | |
| HP20 | Managing Engineer #1 | 1 | 1 | | — | |
| TOTAL 931 | Administrative Unit | 2 | 2 | 389,637 | 1 | 242,446 |
| 932 | Treatment Operations Unit | | | | | |
| HP18 | Principal Engineer | 1 | 1 | | 1 | |
| HP17 | Senior Engineer | 1 | 1 | | 1 | |
| HP16 | Treatment Plant Operator III | 6 | 6 | | 6 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP14 | Assistant Civil Engineer | — | 1 | | 1 | |
| HP14 | Treatment Plant Operator II | 9 | 9 | | 9 | |
| HP12 | Treatment Plant Operator I | 6 | 6 | | 6 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| NR8331 | Laborer Foreman | 1 | 1 | | 1 | |
| NR8650 | Maintenance Laborer Class A Shift | 15 | — | | — | |
| NR8650 | Maintenance Laborer Class A Shift #1 | — | 15 | | — | |
| NR8651 | Maintenance Laborer Class A | 4 | — | | — | |
| NR8651 | Maintenance Laborer Class A (AC) | — | 5 | | 1 | |
| TOTAL 932 | Treatment Operations Unit | 45 | 47 | 4,652,258 | 28 | 3,067,969 |
| 934 | Mechanical Operations Unit | | | | | |
| HP18 | Chief Operating Engineer II | 1 | 1 | | 1 | |
| HP17 | Chief Operating Engineer I | 2 | 2 | | 2 | |
| HP16 | Assistant Chief Operating Engineer | 6 | 6 | | 6 | |
| NR6810 | Fireman-Oiler | 11 | 11 | | 11 | |
| NR8331 | Laborer Foreman | — | 1 | | 1 | |
| NR8650 | Maintenance Laborer Class A Shift | 20 | 40 | | 40 | |
| NR8650 | Maintenance Laborer Class A Shift #1 | — | 2 | | — | |

| Fund: Corporate Dept: Maintenance & Operations Division: Stickney Service Area | | POSITION ANALYSIS | | | | |
|--|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| NR8651 | Maintenance Laborer Class A | 4 | 4 | | 4 | |
| NR6832 | Operating Engineer II | 35 | 35 | | 35 | |
| NR6831 | Operating Engineer I | 26 | 26 | | 26 | |
| TOTAL 934 | Mechanical Operations Unit | 105 | 128 | 13,086,866 | 126 | 13,757,284 |
| 945 | Railroad Unit | | | | | |
| NR8331 | Laborer Foreman | 1 | — | | — | |
| NR8331 | Laborer Foreman #1 | — | 1 | | — | |
| NR8650 | Maintenance Laborer Class A Shift | 5 | — | | — | |
| NR8650 | Maintenance Laborer Class A Shift #1 | — | 5 | | — | |
| TOTAL 945 | Railroad Unit | 6 | 6 | 535,101 | — | — |
| TOTAL 930 | Plant Operations Branch | 158 | 183 | 18,663,862 | 155 | 17,067,700 |
| 950 | Solids Management Branch | | | | | |
| 951 | Solids Administration Unit | | | | | |
| HP20 | Managing Engineer | 1 | 1 | | 1 | |
| HP12 | Administrative Assistant #2 (Administrative Specialist) (New Grade HP11) | 1 | 1 | | — | |
| TOTAL 951 | Solids Administration Unit | 2 | 2 | 312,719 | 1 | 223,425 |
| 952 | Solids Field Operations Unit | | | | | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP14 | Engineering Technician V | 3 | 3 | | 3 | |
| HP12 | Engineering Technician IV | 3 | 3 | | 3 | |
| NR8651 | Maintenance Laborer Class A | 1 | 1 | | 1 | |
| TOTAL 952 | Solids Field Operations Unit | 8 | 8 | 799,366 | 8 | 842,483 |
| 953 | Solids Operations Administration Unit | | | | | |
| HP19 | Assistant Engineer of Treatment Plant Operations II #2 (Principal Engineer) (New Grade HP18) | 1 | — | | — | |
| HP17 | Senior Engineer | 1 | 2 | | 2 | |
| TOTAL 953 | Solids Operations Administration Unit | 2 | 2 | 271,711 | 2 | 314,675 |
| 954 | Fulton County Field Operations Unit | | | | | |
| HP13 | Agricultural Technician II | — | — | | 1 | |
| HP12 | Agricultural Technician II | 1 | 1 | | — | |

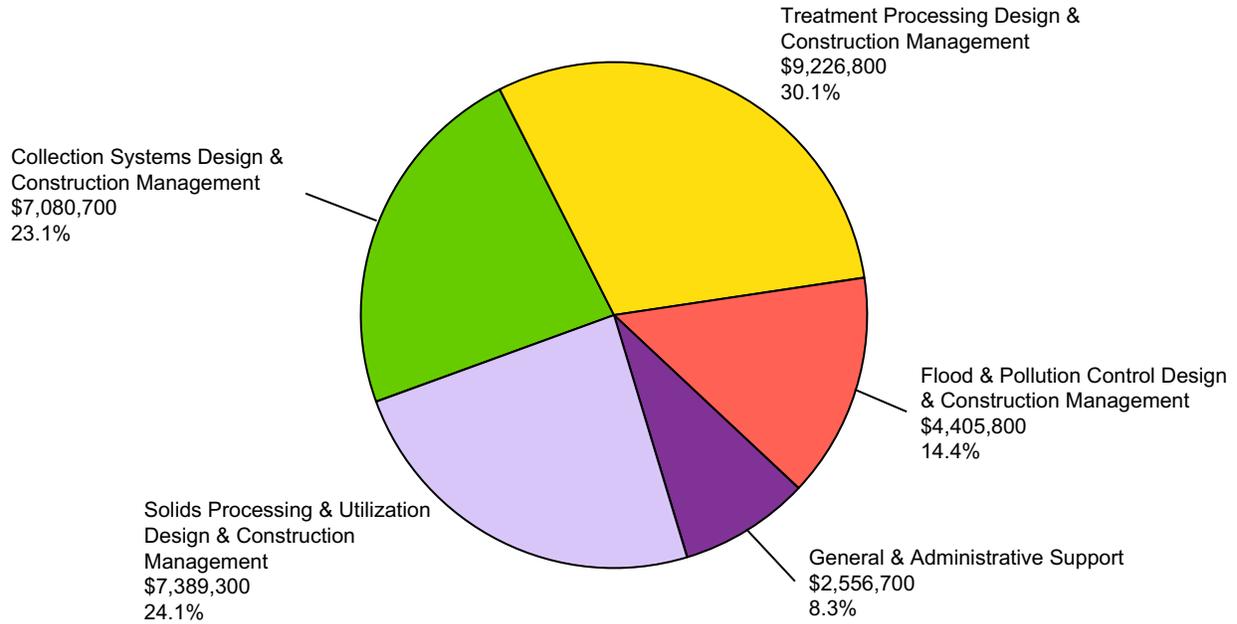
| Fund: Corporate Dept: Maintenance & Operations Division: Stickney Service Area | | POSITION ANALYSIS | | | | |
|--|--|--------------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP11 | Agricultural Technician I | 1 | 1 | | 1 | |
| TOTAL 954 | Fulton County Field Operations Unit | 2 | 2 | 150,157 | 2 | 166,568 |
| TOTAL 950 | Solids Management Section | 14 | 14 | 1,533,952 | 13 | 1,547,150 |
| TOTAL | Maintenance & Operations Stickney Service Area | 380 | 406 | 42,715,526 | 379 | 42,056,628 |

NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

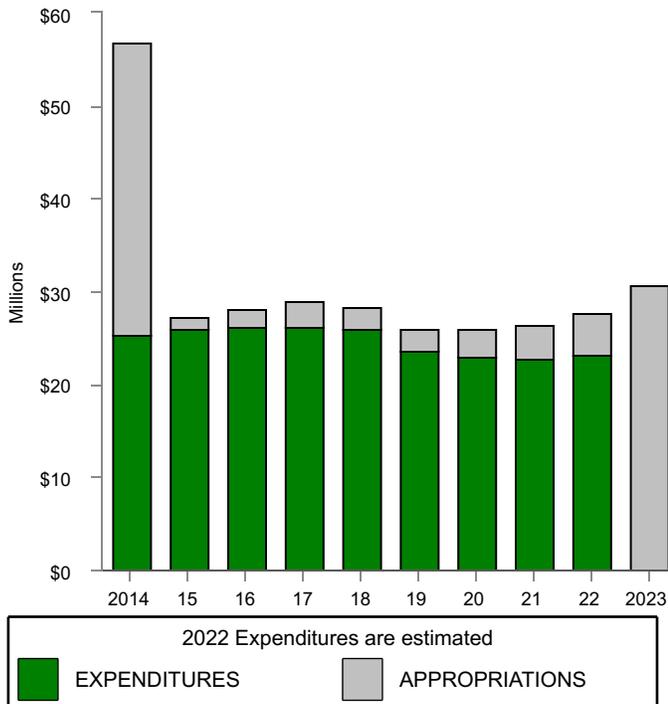


ENGINEERING - CORPORATE FUND FUNCTIONS

| | |
|----------|--------------|
| 2023 | \$30,659,300 |
| 2022 | \$27,675,000 |
| Increase | \$2,984,300 |

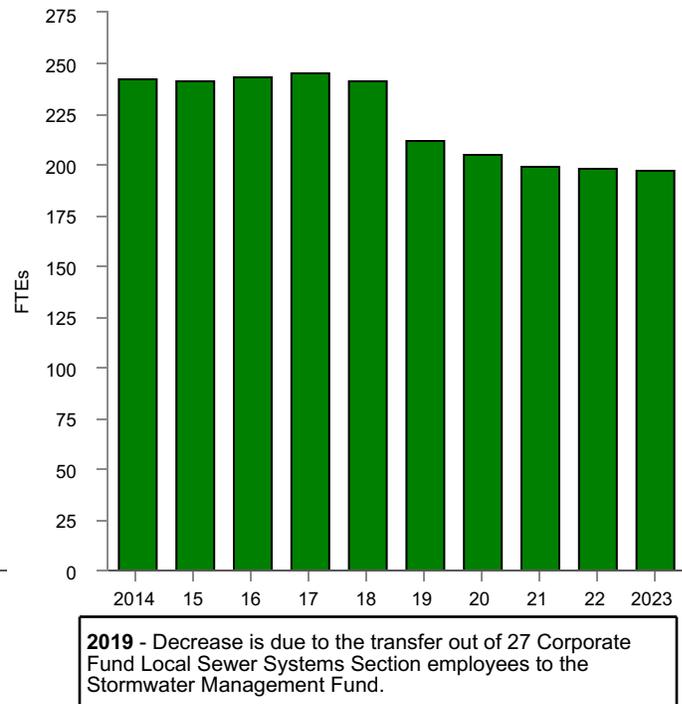


APPROPRIATIONS & EXPENDITURES

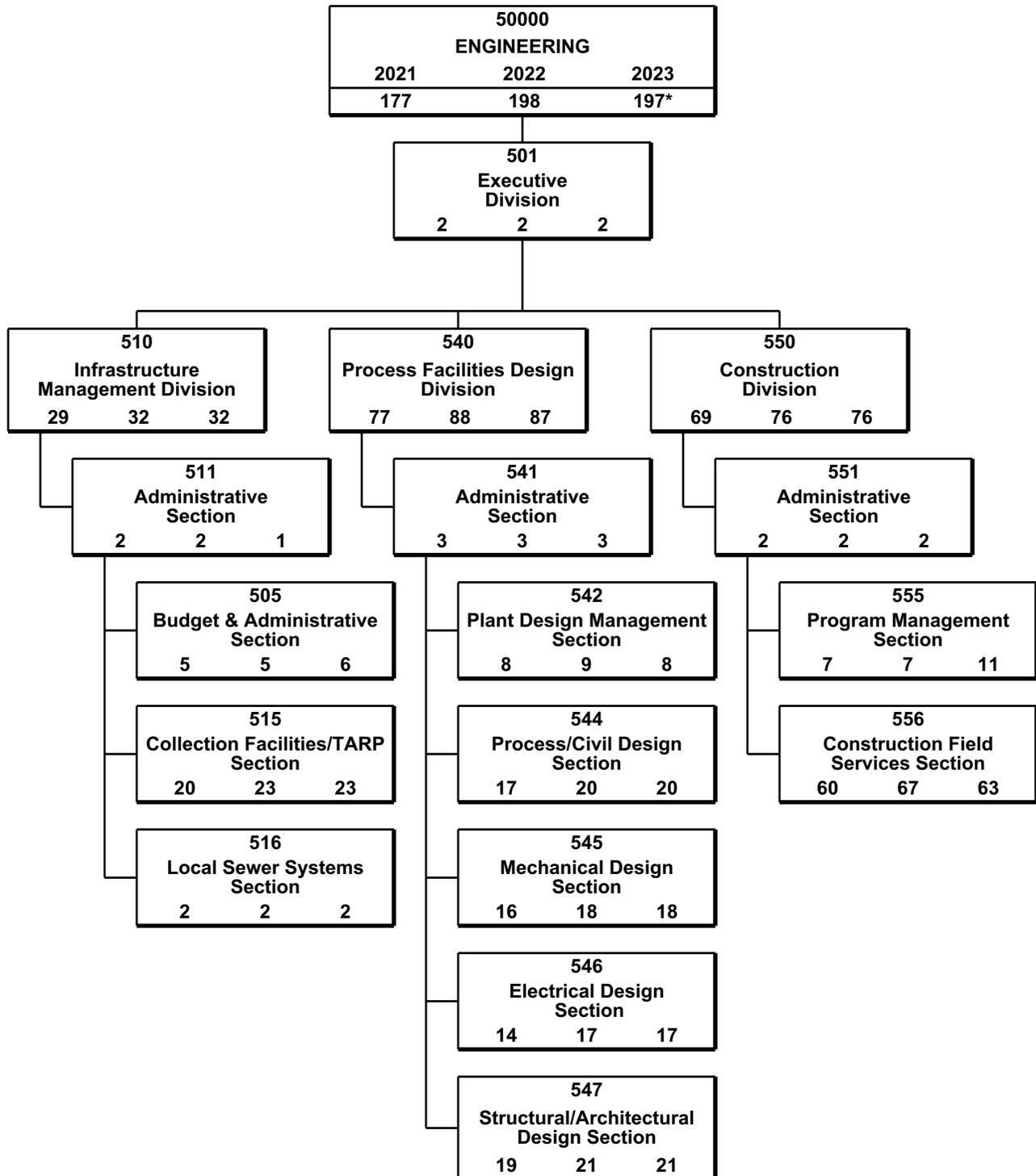


2015 - Decrease is due to the reallocation of the Community Flood Control Program to the Capital Improvements Bond Fund.

BUDGETED FTE POSITIONS



ENGINEERING



* The 2023 position total for the Engineering Department - Corporate Fund is 197. There are an additional 72 positions funded by the Stormwater Management Fund while the operations remain in the Engineering Department.

ENGINEERING CORPORATE FUND

The mission of the Engineering Department is to plan, design, and construct projects prioritized in the Capital Improvement Program and to regulate stormwater management, flood protection areas, and construction and maintenance of local sewers, which are tributary to the District's intercepting sewer system.

Departmental Summary

The programs of the Engineering Department are described in three sections of the budget: the Corporate Fund, described below; the Capital Budget, described in Section V; and the Stormwater Management Fund, described in Section VI. The Corporate Fund finances Engineering Department positions and corporate activities, while the Stormwater Management Fund finances Stormwater positions and regulatory activities. The Capital Budget finances projects executed by the Infrastructure Management Division, Process Facilities Design Division, and the Construction Division.

The Engineering Department's responsibilities are to:

- Plan, develop, and implement a Capital Improvement Program that meets the District's statutory responsibilities, complies with applicable state and federal regulations and requirements, and responds to the needs of the District's residents, as directed through the policies adopted by the Board of Commissioners in the areas of sewage treatment, stormwater management, resource recovery, and pollution control;
- Provide requested and required engineering assistance to other departments within the District in support of their missions. The Engineering Department engages internal staff for all intercepting sewer rehabilitation design, all construction management, and most of the District's process facilities design. By blending District staff's design expertise with design expertise of highly qualified outside firms, the Engineering Department is able to ensure that water reclamation plant upgrade, rehabilitation, and resource recovery projects are state of the art;
- Regulate impacts of development in suburban Cook County on stormwater runoff, wetlands, and floodplains, in accordance with the Watershed Management Ordinance. This is accomplished by reviewing and issuing Watershed Management Ordinance permits for development and inspecting the work performed.

Summary of 2022 Major Accomplishments

- Under the Engineering Department's contract for televising and inspection of intercepting sewers, the District inspected 57.4 miles of intercepting sewers and rehabilitated 2,881 linear feet of sewer found to have significant deterioration;
- Engineering Department staff completed contract documents for 11 projects under the District's Capital Improvement Program.

2023 Appropriation and Position Summary

The 2023 appropriation for the Engineering Department - Corporate Fund is \$30,659,300, an increase of \$2,984,300, or 10.8 percent, from 2022. The Engineering Department's 2023 Budget provides direct support to the Capital Improvement Program. The staffing level has decreased from 198 to 197 as a result of dropping an Administrative Specialist position and an Engineering Technician III position, offset by the addition of one Senior Budget & Management Analyst position.

2023 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Resource Management. The initiatives highlighted below show how the District maintains a high level of performance in its core mission of protecting the public health and area waterways.

Manage assets to maintain optimal performance and long-term sustainability

- Focus on meeting or exceeding the industry standard of 120 percent of the originally scheduled contract time for completion of construction contracts, in spite of challenges such as supply chain disruptions;
- Ensure underground infrastructure remains functional into the future by continuing to fund the intercepting sewer televising and inspection contract;
- In conjunction with the Maintenance & Operations Department, protect the District's surface and subsurface infrastructure from damage due to planned and programmed construction, installation, and maintenance projects by transportation agencies, utility work, and private development;
- Under the Forging Resilient Communities program, which receives funding from the United States Environmental Protection Agency grants, will award a contract for inspection of local sanitary sewers in Disproportionately Impacted Community areas to facilitate removal of infiltration and inflow;
- Continue collaboration with the University of Illinois at Chicago to investigate applications for reuse of wastewater treatment plant effluent.

50000 ENGINEERING

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|---|----------------------|----------------|
| 1. TREATMENT PROCESSING DESIGN AND CONSTRUCTION MANAGEMENT: Design and manage construction of the projects to rehabilitate, modernize, and replace wastewater treatment facilities under the District's Capital Improvement Program. | \$ 9,226,800 | 30.1 % |
| 2. SOLIDS PROCESSING AND UTILIZATION DESIGN AND CONSTRUCTION MANAGEMENT: Design and manage construction of projects to rehabilitate, modernize, and replace infrastructure for collection, treatment, and utilization of biosolids under the District's Capital Improvement Program. | \$ 7,389,300 | 24.1 % |
| 3. COLLECTION SYSTEM DESIGN AND CONSTRUCTION MANAGEMENT AND PUBLIC SERVICE: Design and manage construction of projects to rehabilitate and upgrade the District's intercepting sewers, pumping stations, and force mains under the Capital Improvement Program. Protect public health through regulation of local sewer connections tributary to District infrastructure, administration of an infiltration and inflow control program, and providing infrastructure location information to the public and other agencies. | \$ 7,080,700 | 23.1 % |
| 4. FLOOD AND POLLUTION CONTROL DESIGN AND CONSTRUCTION MANAGEMENT: Design and manage construction of projects to build tunnels, reservoirs, and control structures under TARP, and manage construction of projects to construct and rehabilitate flood control reservoirs, relocate streams, and improve conveyance channels. | \$ 4,405,800 | 14.4 % |
| 5. GENERAL AND ADMINISTRATIVE SUPPORT: Support the work of the Engineering Department through application for grant and loan funding, budget preparation and administration, surveying, and administration of easements. | \$ 2,556,700 | 8.3 % |
| Totals | <u>\$ 30,659,300</u> | <u>100.0 %</u> |

50000 ENGINEERING

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|---|---|--------------|----------|-----------------|--------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 1000 | Collection | \$ 4,654,442 | 2023 | 30 \$ 7,080,700 | \$ 1,924,600 | 37.3 | |
| | | | 2022 | 30 \$ 5,156,100 | | | |
| 1530 | Local Sewer Permit Activity | \$ 263,827 | 2023 | 2 \$ 288,800 | \$ 12,300 | 4.4 | |
| | | | 2022 | 2 \$ 276,500 | | | |
| 1560 | Local Sewer Public Service Coordination | \$ 135,867 | 2023 | — \$ 1,990,800 | \$ 1,837,500 | 1,198.6 | a) |
| | | | 2022 | — \$ 153,300 | | | |
| 1571 | Local Sewer Rehabilitation Ordinance Enforcement Activity | \$ 42,023 | 2023 | — \$ 11,100 | \$ 400 | 3.7 | |
| | | | 2022 | — \$ 10,700 | | | |
| 1700 | Collection System Design | \$ 896,450 | 2023 | 7 \$ 1,053,700 | \$ 37,000 | 3.6 | |
| | | | 2022 | 8 \$ 1,016,700 | | | |
| 1800 | Collection Construction | \$ 3,316,275 | 2023 | 21 \$ 3,736,300 | \$ 37,400 | 1.0 | |
| | | | 2022 | 20 \$ 3,698,900 | | | |
| 2000 | Treatment | \$ 7,743,007 | 2023 | 65 \$ 9,226,800 | \$ 677,000 | 7.9 | |
| | | | 2022 | 66 \$ 8,549,800 | | | |
| 2700 | Treatment Design | \$ 2,845,468 | 2023 | 24 \$ 3,387,600 | \$ 3,200 | 0.1 | |
| | | | 2022 | 25 \$ 3,384,400 | | | |
| 2800 | Treatment Construction | \$ 4,897,539 | 2023 | 41 \$ 5,839,200 | \$ 673,800 | 13.0 | b) |
| | | | 2022 | 41 \$ 5,165,400 | | | |
| 3000 | Solids Processing | \$ 5,242,958 | 2023 | 50 \$ 7,101,000 | \$ 352,400 | 5.2 | |
| | | | 2022 | 50 \$ 6,748,600 | | | |
| 3700 | Solids Processing Design | \$ 2,602,577 | 2023 | 23 \$ 3,588,500 | \$ 181,100 | 5.3 | c) |
| | | | 2022 | 24 \$ 3,407,400 | | | |
| 3800 | Solids Processing Construction | \$ 2,640,381 | 2023 | 27 \$ 3,512,500 | \$ 171,300 | 5.1 | d) |
| | | | 2022 | 26 \$ 3,341,200 | | | |
| a) Increase is due to the addition of Forging Resilient Communities - Phase 1 project (\$1,875,000), offset by a decrease due to partial completion of the University of Illinois, Chicago, Water Reuse project (\$40,000). | | | | | | | |
| b) Increase is due to an additional e-Builder consulting services contract (\$300,000), the reallocation of salaries to more accurately reflect current activities (\$196,600), and carpet and blind replacement at the Engineering Center at the Stickney WRP (\$180,000). | | | | | | | |
| c) Increase is due to the anticipated retirement of 10 employees (\$161,200), and the reallocation of salaries to more accurately reflect current activities (\$19,900). | | | | | | | |
| d) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$170,000). | | | | | | | |

50000 ENGINEERING

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | |
|--|---|--------------|----------|--------------|--------------|---------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | |
| 4000 | Flood and Pollution Control | \$ 2,688,712 | 2023 32 | \$ 4,405,800 | \$ (108,400) | (2.4) | |
| | | | 2022 34 | \$ 4,514,200 | | | |
| 4216 | Bridge and Road Maintenance | \$ 76,607 | 2023 — | \$ 95,000 | \$ (265,000) | (73.6) | e) |
| | | | 2022 — | \$ 360,000 | | | |
| 4341 | Planning/Design | \$ 47,162 | 2023 — | \$ 52,700 | \$ 3,200 | 6.5 | |
| | | | 2022 — | \$ 49,500 | | | |
| 4343 | Construction | \$ 164,935 | 2023 5 | \$ 642,000 | \$ (59,200) | (8.4) | |
| | | | 2022 6 | \$ 701,200 | | | |
| 4700 | Flood and Pollution Control Design | \$ 565,580 | 2023 5 | \$ 779,200 | \$ 15,400 | 2.0 | |
| | | | 2022 6 | \$ 763,800 | | | |
| 4800 | Flood and Pollution Control Construction | \$ 1,834,428 | 2023 22 | \$ 2,836,900 | \$ 197,200 | 7.5 | f) |
| | | | 2022 22 | \$ 2,639,700 | | | |
| 5000 | Solids Utilization | \$ 286,800 | 2023 2 | \$ 288,300 | \$ 33,000 | 12.9 | |
| | | | 2022 1 | \$ 255,300 | | | |
| 5700 | Solids Utilization Design | \$ 10,997 | 2023 — | \$ 11,600 | \$ 500 | 4.5 | |
| | | | 2022 — | \$ 11,100 | | | |
| 5800 | Solids Utilization Construction | \$ 275,803 | 2023 2 | \$ 276,700 | \$ 32,500 | 13.3 | |
| | | | 2022 1 | \$ 244,200 | | | |
| 7000 | General Support (excluding program number 7604) | \$ 1,766,077 | 2023 18 | \$ 2,195,000 | \$ 100,900 | 4.8 | |
| | | | 2022 17 | \$ 2,094,100 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 290,063 | 2023 — | \$ 361,700 | \$ 4,800 | 1.3 | |
| | | | 2022 — | \$ 356,900 | | | |
| Totals | | \$22,672,059 | 2023 197 | \$30,659,300 | \$ 2,984,300 | 10.8 % | |
| | | | 2022 198 | \$27,675,000 | | | |
| <p>e) Decrease is due to the rotating nature of scheduled biennial bridge inspections each year (\$190,000), and the completion of the Division Street bridge stabilization project (\$75,000).</p> <p>f) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$190,700).</p> | | | | | | | |

50000 ENGINEERING

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|----------------|---|------|----------------------|----------------------|----------------------|----|
| 1500 | Local Sewer - Engineering Activity | | | | | |
| 1530 | Local Sewer Permit Activity | | | | | |
| 1531 | Review/Issuance of MWRD Sewer Permits (includes standard permits and notification and request for inspection permits) | Cost | \$ 186,955 | \$ 276,500 | \$ 288,800 | |
| 1533 | Review of Other Permits | Cost | \$ 76,872 | \$ — | \$ — | |
| 1560 | Local Sewer - Public Service Coordination | | | | | |
| 1561 | Public Service | Cost | \$ — | \$ 5,900 | \$ 6,100 | |
| 1563 | Interagency Coordination | Cost | \$ 135,867 | \$ 147,400 | \$ 1,984,700 | a) |
| 1571 | Local Sewer Rehabilitation Ordinance Enforcement Activity | Cost | \$ 42,023 | \$ 10,700 | \$ 11,100 | |
| 1700 | Collection System Design | Cost | \$ 896,450 | \$ 1,016,700 | \$ 1,053,700 | |
| 1800 | Collection Construction | Cost | \$ 3,316,275 | \$ 3,698,900 | \$ 3,736,300 | |
| 2700 | Treatment Design | Cost | \$ 2,845,468 | \$ 3,384,400 | \$ 3,387,600 | |
| 2800 | Treatment Construction | Cost | \$ 4,897,539 | \$ 5,165,400 | \$ 5,839,200 | b) |
| 3700 | Solids Processing Design | Cost | \$ 2,602,577 | \$ 3,407,400 | \$ 3,588,500 | c) |
| 3800 | Solids Processing Construction | Cost | \$ 2,640,381 | \$ 3,341,200 | \$ 3,512,500 | d) |
| 4200 | Waterways Control and Stormwater Detention Reservoirs | Cost | \$ 76,607 | \$ 360,000 | \$ 95,000 | e) |
| 4300 | Stormwater Management | Cost | \$ 212,097 | \$ 750,700 | \$ 694,700 | |
| 4700 | Flood and Pollution Control Design | Cost | \$ 565,580 | \$ 763,800 | \$ 779,200 | |
| 4800 | Flood and Pollution Control Construction | Cost | \$ 1,834,428 | \$ 2,639,700 | \$ 2,836,900 | f) |
| 5700 | Solids Utilization Design | Cost | \$ 10,997 | \$ 11,100 | \$ 11,600 | |
| 5800 | Solids Utilization Construction | Cost | \$ 275,803 | \$ 244,200 | \$ 276,700 | |
| 7000 | General Support (excluding program number 7604) | Cost | \$ 1,766,077 | \$ 2,094,100 | \$ 2,195,000 | |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 290,063 | \$ 356,900 | \$ 361,700 | |
| Totals | | | \$ 22,672,059 | \$ 27,675,000 | \$ 30,659,300 | |

- a) Increase is due to the addition of Forging Resilient Communities - Phase 1 project (\$1,875,000), offset by a decrease due to partial completion of the University of Illinois, Chicago, Water Reuse project (\$40,000).
- b) Increase is due to an additional e-Builder consulting services contract (\$300,000), the reallocation of salaries to more accurately reflect current activities (\$196,600), and carpet and blind replacement at the Engineering Center at the Stickney WRP (\$180,000).
- c) Increase is due to the anticipated retirement of 10 employees (\$161,200), and the reallocation of salaries to more accurately reflect current activities (\$19,900).
- d) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$170,000).
- e) Decrease is due to the rotating nature of scheduled biennial bridge inspections each year (\$190,000), and the completion of the Division Street bridge stabilization project (\$75,000).
- f) Increase is due to the reallocation of salaries to more accurately reflect current activities (\$190,700).

| 101 50000 | Fund: Corporate Department: Engineering | LINE ITEM ANALYSIS | | | | | | |
|----------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 20,070,885 | \$ 24,218,700 | \$ 24,218,700 | \$ 20,628,600 | \$ 24,020,100 | \$ 24,020,500 | \$ 25,078,500 |
| 601060 | Compensation Plan Adjustments | 621,872 | 616,100 | 616,100 | 256,600 | 869,400 | 869,000 | 845,000 |
| 601070 | Social Security and Medicare Contributions | 290,063 | 356,900 | 356,900 | 292,400 | 361,700 | 361,700 | 361,700 |
| 601100 | Tuition and Training Payments | 35,920 | 140,000 | 140,000 | 82,500 | 195,700 | 195,700 | 195,700 |
| 100 | TOTAL PERSONAL SERVICES | 21,018,740 | 25,331,700 | 25,331,700 | 21,260,100 | 25,446,900 | 25,446,900 | 26,480,900 |
| 612010 | Travel | — | 14,000 | 14,000 | 5,000 | 11,800 | 11,800 | 11,800 |
| 612030 | Meals and Lodging | — | 24,000 | 24,000 | 10,300 | 23,700 | 23,700 | 23,700 |
| 612040 | Postage, Freight, and Delivery Charges | — | 1,500 | 1,500 | 500 | 1,200 | 1,200 | 1,200 |
| 612050 | Compensation for Personally-Owned Automobiles | 107 | 8,000 | 8,000 | 1,400 | 8,000 | 8,000 | 8,000 |
| 612080 | Motor Vehicle Operating Services | — | 500 | 500 | 100 | 500 | 500 | 500 |
| 612090 | Reprographic Services | 2,605 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| 612170 | Water and Water Services | 3,390 | 4,500 | 4,500 | 4,200 | 4,500 | 4,500 | 4,500 |
| 612240 | Testing and Inspection Services | 990,100 | 1,255,000 | 1,255,000 | 1,195,900 | 2,997,400 | 2,997,400 | 2,997,400 |
| 612330 | Rental Charges | — | 500 | 500 | — | 500 | 500 | 500 |
| 612430 | Payments for Professional Services | 131,812 | 643,000 | 643,000 | 385,700 | 652,000 | 652,000 | 652,000 |
| 612490 | Contractual Services, N.O.C. | 350,322 | 4,500 | 4,500 | — | 4,500 | 4,500 | 4,500 |
| 612620 | Repairs to Waterway Facilities | 77,600 | 100,000 | 100,000 | 40,100 | — | — | — |
| 612680 | Repairs to Buildings | — | 80,000 | 80,000 | 13,000 | 260,000 | 260,000 | 260,000 |
| 612800 | Repairs to Office Furniture and Equipment | 8,840 | 7,100 | 7,100 | 4,300 | 7,100 | 7,100 | 7,100 |
| 612970 | Repairs to Testing and Laboratory Equipment | 1,986 | 5,500 | 5,500 | 4,800 | 10,000 | 10,000 | 10,000 |
| 612990 | Repairs, N.O.C. | — | 500 | 500 | 500 | 1,000 | 1,000 | 1,000 |
| 200 | TOTAL CONTRACTUAL SERVICES | 1,566,761 | 2,152,100 | 2,152,100 | 1,669,300 | 3,985,700 | 3,985,700 | 3,985,700 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 17,221 | 51,700 | 54,700 | 42,500 | 47,800 | 47,800 | 47,800 |
| 623680 | Tools and Supplies | 7,371 | 19,500 | 16,500 | 13,700 | 18,700 | 18,700 | 18,700 |
| 623720 | Books, Maps, and Charts | 3,549 | 9,300 | 9,300 | 2,300 | 9,000 | 9,000 | 9,000 |
| 623780 | Safety and Medical Supplies | — | 1,000 | 1,000 | — | 1,000 | 1,000 | 1,000 |
| 623800 | Computer Software | 11,667 | 41,500 | 41,500 | 38,000 | 42,000 | 42,000 | 42,000 |
| 623990 | Materials and Supplies, N.O.C. | — | 200 | 200 | — | 200 | 200 | 200 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 39,808 | 123,200 | 123,200 | 96,500 | 118,700 | 118,700 | 118,700 |
| 634650 | Equipment for Process Facilities | — | 53,000 | 53,000 | 33,300 | 15,000 | 15,000 | 15,000 |

| 101 50000 | | LINE ITEM ANALYSIS | | | | | | |
|--|----------------------------------|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| Fund: Corporate Department: Engineering | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 634970 | Testing and Laboratory Equipment | 31,750 | — | — | — | — | — | — |
| 634990 | Machinery and Equipment, N.O.C. | 15,000 | 15,000 | 15,000 | — | 25,000 | 25,000 | 59,000 |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 46,750 | 68,000 | 68,000 | 33,300 | 40,000 | 40,000 | 74,000 |
| TOTAL ENGINEERING | | \$ 22,672,059 | \$ 27,675,000 | \$ 27,675,000 | \$ 23,059,200 | \$ 29,591,300 | \$ 29,591,300 | \$ 30,659,300 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

| Fund: Corporate Dept: Engineering | | POSITION ANALYSIS | | | | |
|--------------------------------------|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 501 | Executive Division | | | | | |
| EX15 | Director of Engineering | 1 | 1 | | 1 | |
| EX06 | Secretary to Officer | 1 | 1 | | 1 | |
| TOTAL 501 | Executive Division | 2 | 2 | 403,786 | 2 | 419,937 |
| 510 | Infrastructure Management Division | | | | | |
| 505 | Budget & Administrative Section | | | | | |
| HP18 | Supervising Budget & Management Analyst | 1 | 1 | | 1 | |
| HP17 | Management Analyst III #2 (Senior Budget & Management Analyst) (New Grade HP16) | 1 | — | | — | |
| HP16 | Senior Budget & Management Analyst | — | 1 | | 2 | |
| HP15 | Management Analyst II #2 (Budget & Management Analyst) (New Grade HP14) | 1 | — | | — | |
| HP14 | Budget & Management Analyst | 1 | 2 | | 2 | |
| HP13 | Senior Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 505 | Budget & Administrative Section | 5 | 5 | 629,450 | 6 | 754,525 |
| 511 | Administrative Section | | | | | |
| HP22 | Assistant Director of Engineering | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | — | |
| TOTAL 511 | Administrative Section | 2 | 2 | 326,069 | 1 | 264,892 |
| 515 | Collection Facilities / TARP Section | | | | | |
| HP20 | Managing Civil Engineer | — | 1 | | 1 | |
| HP18 | Principal Civil Engineer | 3 | 3 | | 3 | |
| HP17 | Senior Civil Engineer | 6 | 6 | | 6 | |
| HP15 | Associate Civil Engineer | 3 | 3 | | 3 | |
| HP14 | Assistant Civil Engineer | 2 | 3 | | 3 | |
| HP14 | Engineering Technician V | 2 | 2 | | 2 | |
| HP13 | Engineering Draftsman III | 1 | 1 | | 1 | |
| HP12 | Engineering Technician IV | 2 | 2 | | 2 | |
| HP11 | Engineering Technician III | 1 | 2 | | 2 | |
| TOTAL 515 | Collection Facilities / TARP Section | 20 | 23 | 2,756,262 | 23 | 2,877,449 |

| Fund: Corporate Dept: Engineering | | POSITION ANALYSIS | | | | |
|--------------------------------------|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 516 | Local Sewer Systems Section | | | | | |
| HP20 | Managing Civil Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| TOTAL 516 | Local Sewer Systems Section | 2 | 2 | 332,860 | 2 | 346,174 |
| TOTAL 510 | Infrastructure Management Division | 29 | 32 | 4,044,641 | 32 | 4,243,040 |
| 540 | Process Facilities Design Division | | | | | |
| 541 | Administrative Section | | | | | |
| HP22 | Assistant Director of Engineering | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 2 | 2 | | 2 | |
| TOTAL 541 | Administrative Section | 3 | 3 | 404,153 | 3 | 431,136 |
| 542 | Plant Design Management Section | | | | | |
| HP18 | Principal Civil Engineer | 2 | 2 | | 2 | |
| HP17 | Senior Civil Engineer | 4 | 4 | | 4 | |
| HP16 | Computer Aided Drafting and Design Administrator | 1 | 1 | | 1 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP11 | Engineering Technician III | — | 1 | | — | |
| TOTAL 542 | Plant Design Management Section | 8 | 9 | 1,238,469 | 8 | 1,201,616 |
| 544 | Process / Civil Design Section | | | | | |
| HP20 | Managing Civil Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Civil Engineer | 3 | 3 | | 3 | |
| HP17 | Senior Civil Engineer | 5 | 5 | | 5 | |
| HP17 | Senior Process Control Engineer | — | 1 | | 1 | |
| HP15 | Associate Civil Engineer | 2 | 3 | | 3 | |
| HP15 | Associate Process Control Engineer | 1 | 1 | | 1 | |
| HP14 | Assistant Civil Engineer | 2 | 3 | | 3 | |
| HP13 | Engineering Draftsman III | 1 | 1 | | 1 | |
| HP12 | Engineering Draftsman II | 2 | 2 | | 2 | |
| TOTAL 544 | Process / Civil Design Section | 17 | 20 | 2,541,015 | 20 | 2,650,896 |

| Fund: Corporate Dept: Engineering | | POSITION ANALYSIS | | | | |
|--------------------------------------|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 545 | Mechanical Design Section | | | | | |
| HP20 | Managing Mechanical Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Mechanical Engineer | 2 | 2 | | 2 | |
| HP17 | Senior Mechanical Engineer | 5 | 5 | | 5 | |
| HP15 | Associate Mechanical Engineer | 3 | 3 | | 3 | |
| HP14 | Assistant Mechanical Engineer | 2 | 4 | | 4 | |
| HP13 | Engineering Draftsman III | 1 | 1 | | 1 | |
| HP12 | Engineering Draftsman II | 2 | 2 | | 2 | |
| TOTAL 545 | Mechanical Design Section | 16 | 18 | 2,185,977 | 18 | 2,221,929 |
| 546 | Electrical Design Section | | | | | |
| HP20 | Managing Electrical Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Electrical Engineer | 2 | 2 | | 2 | |
| HP17 | Senior Electrical Engineer | 5 | 5 | | 5 | |
| HP15 | Associate Electrical Engineer | 3 | 4 | | 4 | |
| HP14 | Assistant Electrical Engineer | — | 2 | | 2 | |
| HP13 | Engineering Draftsman III | 1 | 1 | | 1 | |
| HP12 | Engineering Draftsman II | 2 | 2 | | 2 | |
| TOTAL 546 | Electrical Design Section | 14 | 17 | 2,086,321 | 17 | 2,145,420 |
| 547 | Structural / Architectural Design Section | | | | | |
| HP20 | Managing Structural Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Architect | 1 | 1 | | 1 | |
| HP18 | Principal Structural Engineer | 2 | 2 | | 2 | |
| HP17 | Senior Architect | 2 | 2 | | 2 | |
| HP17 | Senior Structural Engineer | 4 | 4 | | 4 | |
| HP15 | Associate Architect | 2 | 3 | | 3 | |
| HP15 | Associate Structural Engineer | 3 | 3 | | 3 | |
| HP14 | Assistant Structural Engineer | 2 | 3 | | 3 | |

| Fund: Corporate Dept: Engineering | | POSITION ANALYSIS | | | | |
|--------------------------------------|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP13 | Engineering Draftsman III | 1 | 1 | | 1 | |
| HP12 | Engineering Draftsman II | 1 | 1 | | 1 | |
| TOTAL 547 | Structural / Architectural Design Section | 19 | 21 | 2,490,862 | 21 | 2,566,737 |
| TOTAL 540 | Process Facilities Design Division | 77 | 88 | 10,946,797 | 87 | 11,217,734 |
| 550 | Construction Division | | | | | |
| 551 | Administrative Section | | | | | |
| HP22 | Assistant Director of Engineering | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 551 | Administrative Section | 2 | 2 | 276,462 | 2 | 302,165 |
| 555 | Program Management Section | | | | | |
| HP20 | Managing Civil Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Civil Engineer | 1 | 1 | | 1 | |
| HP17 | Senior Civil Engineer | 1 | 1 | | 2 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 2 | |
| HP14 | Assistant Electrical Engineer | 1 | 1 | | 1 | |
| HP14 | Engineering Technician V | — | — | | 1 | |
| HP13 | Senior Administrative Specialist | 1 | 1 | | 1 | |
| HP12 | Engineering Technician IV | — | — | | 1 | |
| HP11 | Administrative Specialist | 1 | 1 | | 1 | |
| TOTAL 555 | Program Management Section | 7 | 7 | 902,449 | 11 | 1,433,687 |
| 556 | Construction Field Services Section | | | | | |
| HP20 | Managing Civil Engineer | 2 | 2 | | 2 | |
| HP18 | Principal Civil Engineer | 3 | 3 | | 3 | |
| HP18 | Principal Electrical Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Mechanical Engineer | 1 | 1 | | 1 | |
| HP17 | Senior Civil Engineer | 9 | 9 | | 8 | |
| HP17 | Senior Electrical Engineer | 3 | 3 | | 3 | |
| HP17 | Senior Mechanical Engineer | 1 | 2 | | 2 | |

| Fund: Corporate Dept: Engineering | | POSITION ANALYSIS | | | | |
|--------------------------------------|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| HP15 | Associate Civil Engineer | 8 | 9 | | 8 | |
| HP15 | Associate Electrical Engineer | 3 | 3 | | 3 | |
| HP15 | Associate Mechanical Engineer | 3 | 3 | | 3 | |
| HP14 | Assistant Civil Engineer | 2 | 2 | | 2 | |
| HP14 | Assistant Electrical Engineer | 1 | 2 | | 2 | |
| HP14 | Assistant Mechanical Engineer | 1 | 1 | | 1 | |
| HP14 | Engineering Technician V | 10 | 12 | | 10 | |
| HP14 | Engineering Technician V #4 | 2 | — | | — | |
| HP12 | Administrative Assistant #2 (Administrative Specialist) (New Grade HP11) | 1 | 1 | | 1 | |
| HP12 | Engineering Technician IV | 7 | 7 | | 6 | |
| HP11 | Engineering Technician III | 2 | 6 | | 7 | |
| TOTAL 556 | Construction Field Services Section | 60 | 67 | 7,765,955 | 63 | 7,587,785 |
| TOTAL 550 | Construction Division | 69 | 76 | 8,944,866 | 76 | 9,323,637 |
| TOTAL | Engineering | 177 | 198 | 24,340,090 | 197 | 25,204,347 |

NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

SECTION V

CAPITAL BUDGET

The Capital Improvement Program is the District's plan for the construction, rehabilitation, and modernization of District-owned and operated infrastructure. It includes plans to protect Lake Michigan from pollution, to clean up approximately 532 miles of rivers and streams within the District's jurisdiction to meet federal and state standards, and to reduce the level of flooding which has persistently plagued many municipalities within the District's jurisdiction.

The Capital Budget includes the Construction Fund and the Capital Improvements Bond Fund. To understand the Capital Budget, it is necessary to visualize existing facilities as well as the program for the next year and the long-term plan.

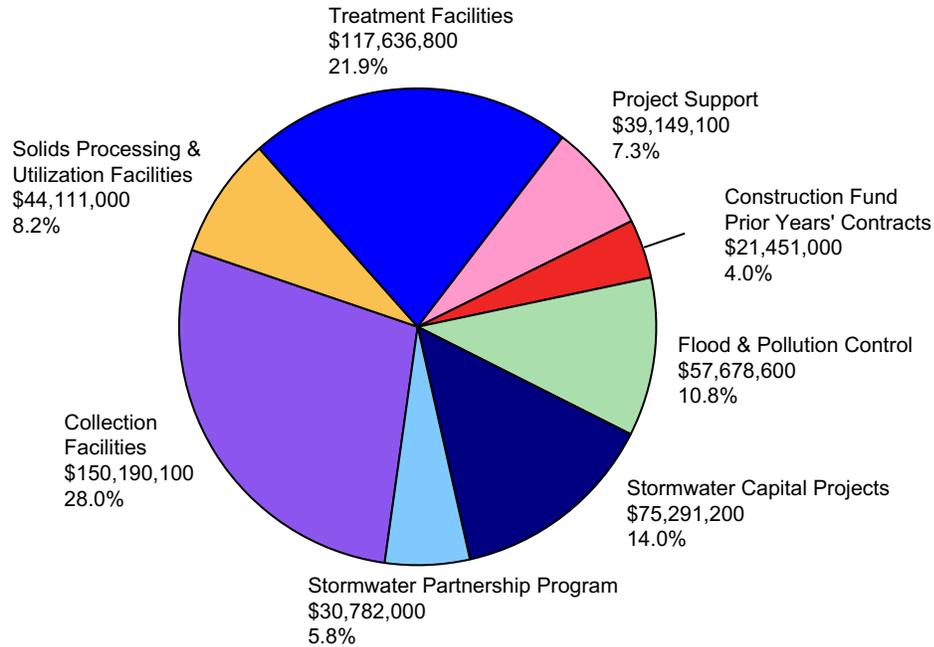
The type of funding for each fund corresponds to the estimated useful life of the project and statutory restrictions on bond sales. The Tax Cap Law imposes restrictions on the non-referendum bonding authority of the District. There are exceptions in the Tax Cap Law to allow non-referendum bonds to be sold to finance certain District projects. Bonds or long-term debt are only utilized to finance projects with useful lives beyond 20 years. Capital projects not eligible for bond financing, or with shorter useful lives, are funded on a pay-as-you-go basis and financed primarily by property taxes. The Capital Improvements Bond Fund receives most of its resources from bond sales, State Revolving Fund loans, and federal and state grants. It provides for major plant and sewer construction, flood control facilities, and land acquisition. The Construction Fund is financed primarily through a property tax levy and provides for much of the District's infrastructure rehabilitation and modernization.

The narrative discussion of the District's 2023 Capital Improvement Program places the 2023 program within the context of our long-range plan. Information is provided on the levels of funding in 2023 and in the future. The graphs, charts, figures, and descriptions of the Construction Fund and Capital Improvements Bond Fund Program within this section aid the reader in understanding this component of the Budget. The impact on operating costs associated with capital projects scheduled for award in 2023 is presented in the Capital Improvement Program narrative.

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CAPITAL IMPROVEMENT PROGRAM FUNCTIONS

| | |
|----------|----------------|
| 2023 | \$536,289,800 |
| 2022 | \$313,875,500* |
| Increase | \$222,414,300 |



* The 2022 appropriation for the Capital Improvement Program does not include projects funded by the Stormwater Management Fund, including stormwater capital projects and stormwater partnerships.

The District utilizes the Construction, Stormwater Management, and Capital Improvements Bond Funds for the Capital Improvement Program. Capital improvements comprise all new facilities and projects that preserve the useful life of District facilities or increase the capacity or efficiency of these facilities. The project support activities of the Construction, Stormwater Management, and Capital Improvements Bond Funds consist of planning, designing, and constructing District infrastructure, acting as a liaison to the United States Environmental Protection Agency and the Illinois Environmental Protection Agency. Funding for capital projects includes pay-as-you-go funding in the Construction and Stormwater Management Funds, federal and state grants, state revolving loan programs for wastewater and stormwater, and alternative revenue and general obligation bonds.

Budget Highlights

The 2023 appropriation for the Capital Improvement Program is \$536,289,800, an increase of \$222,414,300, or 70.9 percent, from 2022 due to the addition of capital projects and related project support funded by the Stormwater Management Fund, as well as the timing of project awards scheduled for 2023. A total of 147 projects funded by the Construction, Stormwater Management, or Capital Improvements Bond Funds will be under planning, design, or construction in 2023.

The mission of the Capital Improvement Program is to plan, develop, and implement projects for new facilities, preserve the useful life of facilities, or increase the capacity or efficiency of facilities to ensure that the District complies with our statutory responsibilities in the areas of sewage treatment and pollution control.

Capital Improvement Program Policy

The District’s Capital Improvement Program consists of those projects identified as necessary to ensure safe and uninterrupted operation of our facilities, meet existing and new statutory and regulatory requirements, and maintain efficiency in a cost-effective manner. Projects are identified based on asset management audits, Governmental Accounting Standards Board Statement 34 inspections, and need, such as regulatory requirements or long-term strategic planning. Following identification, projects must be justified and vetted by an interdepartmental review panel. Projects are prioritized using an evaluation and scoring system that values preservation of infrastructure, improvements to environmental quality, and commitment to community. Projects are added to the Capital Improvement Program and scheduled for award according to priority and resource availability after they have been through the review panel.

Governmental Accounting Standards Board Statement 34 became effective in 2003. By adopting the modified approach for reporting infrastructure assets, the District agrees to perform condition assessments of our facilities, establish service levels for our infrastructure, and appropriate funds to maintain these high standards, thus protecting the environment and avoiding the detrimental impacts of deferred maintenance. The results of these assessments are reported in the Annual Comprehensive Financial Report.

Beneficial Impacts of Capital Projects

Through proper operation, maintenance, rehabilitation, and replacement of equipment and facilities, the District ensures continuous efficient and reliable service, protects our investment and infrastructure, and meets National Pollutant Discharge Elimination System permit requirements. The Capital Improvement Program identifies and prioritizes projects to upgrade and modernize obsolete equipment and facilities.

Program Funding

Sources of funding for the Capital Improvement Program consist of capital improvements bond sales, general property tax revenues, State Revolving Fund (SRF) loans, and federal grants and reimbursements. The District is also exploring other financing possibilities including financing from federal Water Infrastructure Finance and Innovation Act loans.

Method of Financing (in thousands)

| | State Revolving Fund Loans | General Obligation Bonds | Alternate Bonds | Grants & Reimbursements | Pay-As-You- Go | Total |
|---|----------------------------------|--------------------------------|--------------------|----------------------------|-------------------|---------------------|
| Tunnel and Reservoir Plan | \$ 32,000 | \$ 46,000 | \$ — | \$ — | \$ 6,650 | \$ 84,650 |
| Water Reclamation Plant Expansion and Improvements | 132,000 | 265,611 | — | — | 4,725 | 402,336 |
| Solids Management | 84,600 | 2,750 | — | — | 13,840 | 101,190 |
| Collection Facilities | 149,650 | 7,600 | — | — | 9,248 | 166,498 |
| Replacement of Facilities | 135,650 | 1,500 | — | — | 25,235 | 162,385 |
| Stormwater | — | — | 3,290 | 24,354 | 118,544 | 146,188 |
| Total | \$ 533,900 | \$ 323,461 | \$ 3,290 | \$ 24,354 | \$ 178,242 | \$ 1,063,247 |

Construction Fund

The Construction Fund is a property tax supported fund authorized by State Statute. Section 12 of “An act to create sanitary districts and to remove obstructions in the Des Plaines and Illinois Rivers,” approved May 29, 1889, as amended, provides that the Board of Commissioners of the District can levy and collect taxes for construction purposes (which means the replacement, remodeling, completion, alteration, construction, and enlargement, which will add appreciably to the value, utility, or useful life of sewage treatment works or flood control facilities, and additions thereto, pumping stations, tunnels, conduits, and intercepting sewers connecting therewith, and outlet sewers together with the equipment and appurtenances necessary thereto, and for the acquisition of the sites and rights of way necessary thereto, and for engineering expenses of designing and supervising construction of the work above described) for the year 1985 and each year thereafter, which shall be at a rate not to exceed 0.10 percent of the assessed valuation of all taxable property within the District as equalized and determined for state and local taxes. In 2023, the Construction Fund has 35 projects scheduled for award and seven projects under construction.

Stormwater Management Fund

The Stormwater Management Fund is utilized to plan, implement, and finance stormwater management activities throughout Cook County, including stream maintenance in areas that currently lie outside the District's boundaries. The fund consolidates the District's stormwater management activities and supports the activities outlined in the Cook County Stormwater Management Plan, which serves as a framework for the District's countywide Stormwater Management Program. One of the initial goals of the Stormwater Management Program was to develop detailed watershed plans for each of the watersheds in Cook County. The detailed watershed plans identified and prioritized "regional" stormwater projects based on a benefit to cost ratio. These include streambank stabilization projects, which involve addressing critical active streambank erosion threatening public safety, structures, and/or infrastructure, or flood control projects. The Board of Commissioners has approved over 30 regional projects for design and construction.

Capital Improvements Bond Fund

Section 9.6(a) of "An act to create sanitary districts and to remove obstructions in the Des Plaines and Illinois Rivers," approved May 29, 1889, as amended, provides that the Board of Commissioners of the District is authorized to issue bonds for District purposes. The District issues bonds to provide funds to replace, remodel, complete, alter, construct, and enlarge sewage treatment or flood control facilities, to acquire air pollution control equipment, and to build or acquire sewers. The total allowable bond debt at any given time cannot exceed 3.35 percent of the last known equalized assessed valuation of all taxable property within the District. The ordinance authorizing the issuance of the bonds provides for the levy of a tax on all taxable property within the District adequate to pay principal and interest on the bonds when due, including a provision for loss in the collection of taxes.

Tax Cap laws enacted in Illinois have a significant impact on the funding of the District's Capital Improvement Program through bond sales. Under Public Act 89-0001, the District's non-referendum bond authority is restricted to fund only projects initiated prior to October 1, 1991, which generally covers only Tunnel and Reservoir Plan (TARP) projects. However, Public Act 89-0385 provided additional non-referendum authority to the District by authorizing the issuance of "limited bonds." These "limited bonds" allow the District to issue non-referendum debt for projects initiated after October 1, 1991. "Limited bonds" can be issued up to the debt service extension base established by the Act. This "limited bond" authority was expanded for the District by passage of Public Act 90-0485 in the 1997 legislative session. This Act excludes debt associated with the TARP program from the "limited bond" limitation. The use of general obligation and alternative revenue bonds comprises only a portion of the District's capital project financing.

Loans Programs

For many years, the major sources of funding for District projects were federal grants and the Build Illinois Compliance Grants, both of which were discontinued. Under the grant program, the District received approximately \$1.9 billion between 1973 and 1993, leaving 25 percent of the project cost to be borne by the District. The District continues to aggressively pursue federal and state funding to minimize the impact on our constituency. Low-interest SRF loans are an integral part of the District's capital improvements financing. SRF revenues are based on the award and construction schedule of specific projects. It is estimated the District will receive approximately \$50 million annually in SRF loans for the next several years. The District is also planning to apply for Water Infrastructure Finance and Innovation Act loans through the U.S. Environmental Protection Agency to maximize taxpayer value.

Operating Cost Impacts of Capital Improvement Projects

The annual maintenance and/or operating costs associated with new capital projects provide an important part of the decision-making process for the selection of capital projects. The operating cost impacts of proposed capital projects are analyzed by design personnel, as well as operating staff, in order to implement a Capital Improvement Program that meets operating needs in the most cost-effective manner. For example, the Mainstream TARP pump rehabilitation project will increase energy efficiency. This project includes the rehabilitation of Mainstream TARP Pumps 1, 3, and 5, initially placed into service in 1985, including the rehabilitation of associated motors and discharge cone valves and actuators. Capital projects also serve as opportunities to evaluate new technology at one location and assess whether implementing that technology will reduce operating costs at other locations throughout the District. For example, in 2023 the District will begin installation of a biogas combined heat and power system at the Egan Water Reclamation Plant (WRP) which will maximize the utilization of biogas throughout the year. Currently, the District uses biogas for heating, but during warmer months biogas is not fully utilized. The combined heat and power unit project will provide an opportunity for assessment of the technology and its viability for production of electricity, analysis of options for pre-digestion treatment to increase biogas production, and a review of the financial return on investment, carbon offsets, and market risks. Although this is only a trial project, the technology could potentially be installed at other water reclamation plants. Preliminary estimated savings of system-wide deployment of the technology is approximately \$44,000 per year. Operating impacts for each project are included on the individual project fact sheets.

Phosphorus Removal Projects

In the coming years, the District will be required to comply with more stringent phosphorus effluent limits prescribed by the National Pollutant Discharge Elimination System permits for each of the water reclamation plants. Table 1 below provides planned project awards for the fiscal years 2022-2027 which will be necessary to comply with the effluent limits as shown in Table 2. There are currently no projects scheduled for award in 2027.

The District’s approach to compliance with phosphorus effluent limits has been to maximize phosphorus uptake in the biological process and, where appropriate, within the existing plant footprint. The District’s commitment to pursuing the biological process first provides environmental benefits - the phosphorus remains biologically available for future use as a fertilizer and in biosolids, which would not occur with chemical precipitation where the phosphorus is not readily available.

Table 1: Planned Phosphorus Removal Project Awards (in thousands)

| Project Name | Project Number | 2022 | 2023 | 2024 | 2025 | 2026 |
|--|----------------|------------------|------------------|------------------|-------------------|------------------|
| Chemical Phosphorus Removal Facility, CWRP | 18-254-3P | \$ 15,577 | | | | |
| Chemical Addition Backup System, SWRP | 19-159-3P | 7,940 | | | | |
| Battery A Improvements and Battery B Installation of Mechanical Mixers, SWRP | 08-174-3D | | \$ 24,000 | | | |
| Phosphorus Removal Modifications to Battery D, OWRP | 21-091-3P | | 14,000 | | | |
| Phosphorus Removal, KWRP | 19-375-3P | | | \$ 6,500 | | |
| Fermentation and Ancillary Facilities for Biological Phosphorus Removal Phase I, OWRP | 20-085-3P | | | 30,000 | | |
| Chemical Phosphorus Removal, OWRP | 20-087-3P | | | 14,000 | | |
| Fermentation and Ancillary Facilities for Biological Phosphorus Removal, CWRP | 12-245-3P | | | | \$ 6,000 | |
| Battery E Activated Sludge Facility, OWRP | 21-092-3P | | | | 260,000 | |
| Fermentation and Ancillary Facilities for Biological Phosphorus Removal Phase II, OWRP | 20-086-3P | | | | | \$ 30,000 |
| | Total | \$ 23,517 | \$ 38,000 | \$ 50,500 | \$ 266,000 | \$ 30,000 |

Phosphorus removal efforts at the Stickney WRP have been underway since 2011 with research, pilot testing, and subsequent infrastructure improvements. With past construction projects and favorable influent conditions, biological efforts to remove phosphorus have been extremely successful using existing infrastructure. No plant expansion was necessary to meet the effluent limits for phosphorus. To manage occasional biological phosphorus removal challenges, a temporary chemical dosing system was constructed and placed in service in 2021. Mechanical mixers were installed in Batteries A, C, and D. The Ostara® Nutrient Recovery Facility produces a phosphorus and nitrogen-rich fertilizer. This process, while returning a limited resource to the economy, also helps to stabilize the biological process to remove phosphorus, thereby contributing to WRP compliance. However, in order to ensure compliance under all foreseeable conditions, a permanent chemical addition backup system is also being installed under the Chemical Addition Backup System, SWRP project. Construction on this backup system has commenced and is scheduled to be completed by 2024.

Phosphorus removal efforts at the Calumet WRP have shown that either additional carbon to supplement the biological process or chemical addition is necessary. The construction of chemical phosphorus removal facilities has commenced and is scheduled to be operational in 2023 in order to meet the Calumet WRP’s effluent phosphorus limit in January 2024. The chemical cost to remove phosphorus at the Calumet WRP is estimated to be \$13 million to \$15 million annually. The District remains committed to pursuing biological means to remove phosphorus. The District completed a successful pilot of sidestream enhanced biological phosphorus removal in January 2022 and is now performing an engineering evaluation based on the data collected to determine what modifications can be installed to most sustainably remove phosphorus from the effluent flows. We anticipate a project will be awarded in 2025.

At the O’Brien WRP, there are several projects in planning and/or design necessary to meet the upcoming phosphorus limits, as well as upgrades to the aeration batteries that originally commenced service in 1928. The first scheduled project, Phosphorus Removal Modifications to Battery D, OWRP, will install infrastructure and reconfigure flow through the battery to implement

both traditional biological phosphorus removal and sidestream enhanced biological phosphorus removal, and is scheduled for construction in 2023. The results of this project will help to inform the design of biological phosphorus removal in the remaining batteries. In simultaneous, phased projects, the remaining aeration batteries will be upgraded to support biological phosphorus removal beginning in 2024. Phase I upgrades to Battery C includes similar biological phosphorus removal infrastructure, as well as influent gate replacement, removal of the center walls, installation of a new aeration system and improved sludge returning to increase efficiency, and replacement of deteriorating century old concrete. Phase II of this project will mimic the Battery C improvements in either Battery A or B. In addition to modernizing the existing batteries, design on a new aeration battery, Battery E, has also begun, with construction scheduled to begin in 2025 under project 21-092-3P. This additional battery will replace treatment capacity for the plant removed from the existing batteries with the implementation of the biological phosphorus removal processes. Finally, a chemical backup system will ensure permit compliance when the phosphorus level of the effluent will be 1.0 mg/L or lower by August 2027 and 0.5 mg/L by 2030.

Table 2: Effluent Phosphorus Permit Schedule

| Water Reclamation Plant | Effluent Phosphorus Limit | Permit Timeframe |
|-------------------------|---------------------------|---|
| Stickney WRP | 1.0 mg/L 0.5 mg/L | 2021 (Permit active) January 2030 |
| Calumet WRP | 1.0 mg/L 0.5 mg/L | January 2024 January 2030 |
| O'Brien WRP | 1.0 mg/L 0.5 mg/L | August 2027 January 2030 |
| Kirie WRP | 1.0 mg/L 0.5 mg/L | August 2026 January 2030 |
| Egan WRP | 1.0 mg/L | January 2031 or 2032 depending on method |
| Hanover Park WRP | 1.0 mg/L | May 2031 or 2032 depending on method |
| Lemont WRP | 1.0 mg/L 0.5 mg/L | To be determined |

The Kirie WRP has successfully implemented biological phosphorus removal through the use of existing infrastructure and temporary measures such as baffle walls and return sludge pumps. While the Kirie WRP is currently removing phosphorus, a more permanent system is still required in order to ensure continued permit compliance, and is scheduled for construction in 2024. This project will install large bubble mixers and baffles to enhance the stability of the biological phosphorus removal process and also install a backup chemical system. As a participant in the DuPage River Salt Creek Watershed workgroup, the new phosphorus permit limit for the Egan WRP is further in the future. The District, however, is prepared to construct the necessary phosphorus removal facilities for the Egan and Hanover Park WRPs and complete the modernization and reconfiguration of the last aeration battery at the O'Brien WRP in the coming years. Small scale pilots are currently underway at the Egan and Hanover Park WRPs to assist with determining the best methods to achieve permit required phosphorus reductions. Depending on the outcome of these pilots, a temporary configuration may be conducted at one or both plants, and information learned from these studies will guide decisions on the required modifications to the facilities.



The Capital Improvement Program projects aim to ensure safe and uninterrupted operation of our facilities, meet new and existing statutory and regulatory requirements, and maintain efficiency in a cost-effective manner.

Overall Capital Improvement Program Costs

The District’s 2023 Capital Improvement Program includes 2023 project awards, program support, and projects under construction at award value with a total estimated cost of approximately \$937.4 million. A breakdown of these projects (in millions of dollars) is as follows:

| | |
|---|--------------|
| 2023 project awards | \$ 497.1 |
| 2023 program support (project support and land) | 39.1 |
| Projects currently under construction (award value) | <u>401.2</u> |
| Total | \$ 937.4 |
| ◆ A breakdown of projects scheduled for 2023 award by fund is as follows: | |
| Construction Fund projects | \$ 59.7 |
| Capital Improvements Bond Fund projects | 343.4 |
| Stormwater Management Fund projects | <u>94.0</u> |
| Total | \$ 497.1 |
| ◆ A breakdown of projects under construction (award value) by fund is as follows: | |
| Construction Fund projects | \$ 26.9 |
| Capital Improvements Bond Fund projects | 308.1 |
| Stormwater Management Fund projects | <u>66.2</u> |
| Total | \$ 401.2 |

The table on the next page shows the 10-year construction cost projections for the Capital Improvement Program, including Stormwater Management capital projects.

10-YEAR CAPITAL IMPROVEMENT PROGRAM SUMMARY

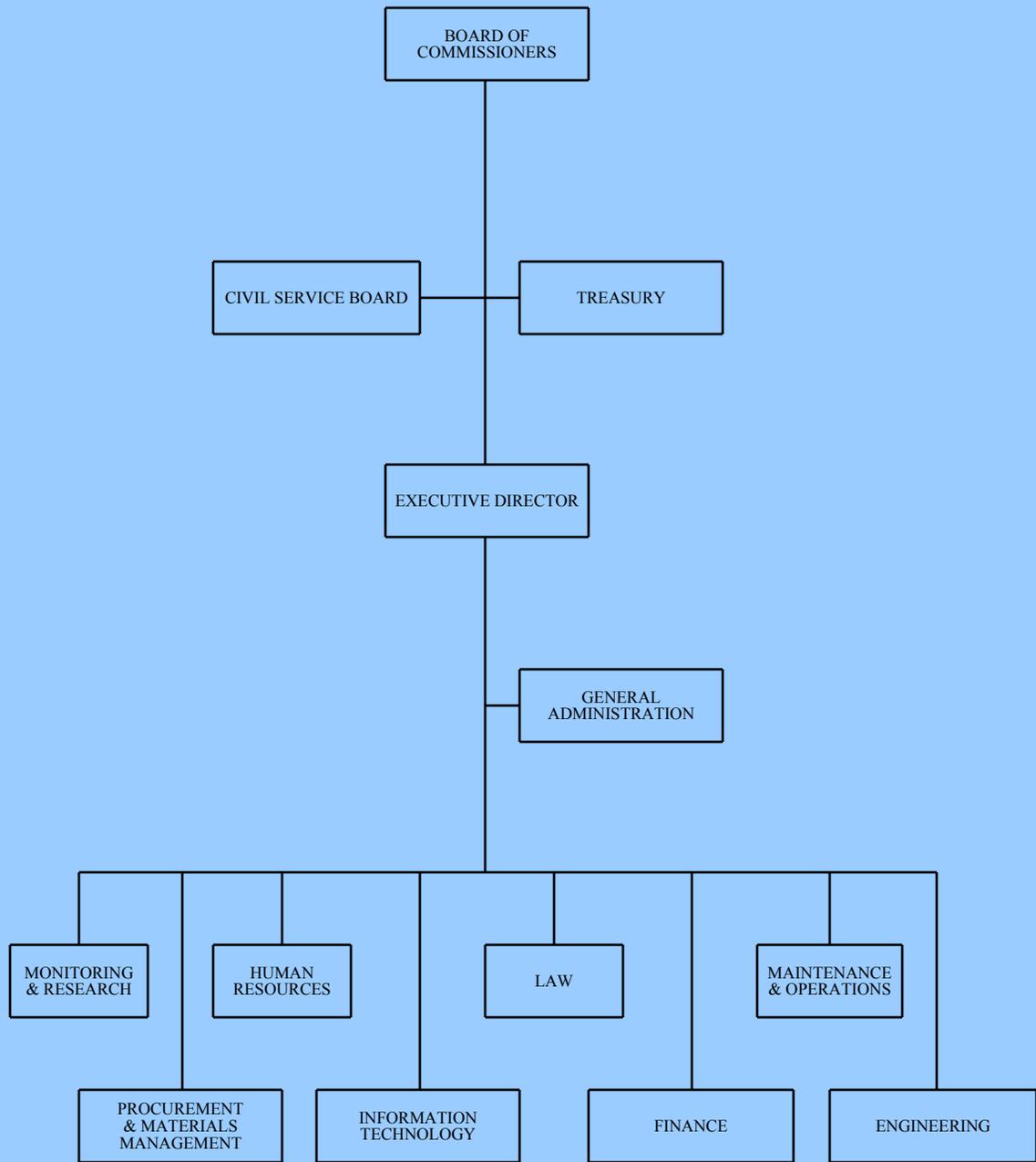
2018 - 2027 CAPITAL PROJECT CONSTRUCTION COST

| | ACTUAL CASH DISBURSEMENTS | | | | | ESTIMATED CASH DISBURSEMENTS | | | | | TOTAL |
|--|---------------------------|----------------|-----------------|----------------|-----------------|------------------------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| | 2018 | 2019 | 2020 | 2021 | 2022* | 2023 | 2024 | 2025 | 2026 | 2027 | 2018-2027 |
| BY CATEGORY | | | | | | | | | | | |
| Water Reclamation Plants and Solids Management | \$34.17 | \$22.29 | \$52.81 | \$46.15 | \$46.06 | \$94.31 | \$105.02 | \$109.23 | \$224.31 | \$69.63 | \$803.97 |
| Replacement of Facilities | 14.48 | 10.71 | 5.30 | 2.37 | 12.33 | 24.39 | 39.98 | 35.18 | 33.19 | 36.12 | \$214.04 |
| Collection Facilities | 16.58 | 5.90 | 3.83 | 0.08 | 5.63 | 28.40 | 44.30 | 59.04 | 43.91 | 38.28 | \$245.95 |
| Stormwater Management | 26.23 | 52.48 | 47.18 | 41.70 | 58.08 | 74.01 | 102.59 | 53.08 | 63.80 | 64.31 | \$583.46 |
| Tunnel and Reservoir Plan | 45.84 | 4.87 | 15.82 | 7.16 | 25.63 | 35.41 | 15.40 | 9.97 | — | — | \$160.09 |
| TOTAL | \$137.30 | \$96.25 | \$124.95 | \$97.45 | \$147.72 | \$256.53 | \$307.29 | \$266.49 | \$365.21 | \$208.33 | \$2,007.52 |
| BY FUND | | | | | | | | | | | |
| Stormwater Management Fund | \$6.59 | \$16.72 | \$25.82 | \$21.92 | \$41.75 | \$71.36 | \$95.40 | \$52.19 | \$63.80 | \$64.31 | \$459.86 |
| Construction Fund | 6.82 | 9.47 | 7.67 | 7.20 | 7.51 | 21.04 | 22.18 | 15.43 | 14.26 | 13.67 | \$125.26 |
| Capital Improvements Bond Fund | 123.89 | 70.06 | 91.46 | 68.33 | 98.47 | 164.13 | 189.71 | 198.86 | 287.16 | 130.35 | \$1,422.40 |
| TOTAL | \$137.30 | \$96.25 | \$124.95 | \$97.45 | \$147.72 | \$256.53 | \$307.29 | \$266.49 | \$365.21 | \$208.33 | \$2,007.52 |

- Notes:
1. All project costs are in millions of dollars.
 2. Summary includes project construction costs.
 3. Information regarding the distribution of funds between the sub-items in the Construction and Capital Improvements Bond Funds can be found in the Five-Year Financial Forecast.
 4. Amounts are rounded.

* PROJECTED CASH DISBURSEMENTS

NOTE PAGE



CONSTRUCTION FUND

Fund Summary

The Construction Fund provides for the acquisition of infrastructure assets or the rehabilitation of existing structures that increase the efficiency or extend the useful life of the structure. The useful life of the improvement is at least 15 years and the values are generally less than \$2.0 million. The Construction Fund is a pay-as-you-go capital fund and is funded primarily by property taxes.

Summary of 2022 Major Accomplishments

- Continued work on a large-scale project to improve the railroad assets at the Stickney WRP. The railroad is used to convey material to the biosolids management areas, making it an important element in producing Class A Exceptional Quality biosolids and by extension managing and recovering resources. The capital improvements should be completed by 2024;
- Proceeded with the second of four phases of the District-wide heating, ventilation, and air conditioning improvement project. The modifications will improve indoor air quality and protect and preserve valuable assets, such as those contained in laboratories and data centers. The equipment specified for this project was chosen based on its performance properties. This phase of the work is scheduled to be completed in 2023;
- With the ongoing objective of maintaining critical assets in optimal condition, completed a project at the Kirie WRP to replace severely corroded high-pressure hydraulic piping which controls the WRP's four critical influent gate valves;
- Completed the rehabilitation of two double disc gate valves on two main sewage pumps at the Stickney WRP. The restoration will significantly reduce the risk that the valves could fail, compromising the WRP's pumping capacity. The project exemplifies a commitment to an asset management program that is guided by condition assessment, probability of failure, and consequence of failure;
- Awarded a contract to develop conceptual plans to achieve energy neutrality at one WRP by 2030 and District-wide by 2035. This project is consistent with the District's Strategic Plan Goal of Enterprise Resilience and the proactive expansion of plans to embed resiliency throughout the organization;
- Completed one in a series of projects to rehabilitate the Gloria Alitto Majewski Reservoir, which is part of the District's Tunnel and Reservoir Plan, one of the country's largest public works projects for pollution and flood control. The system stores combined stormwater and sewage in reservoirs that would otherwise overflow into waterways in rainy weather;
- Awarded a project to construct a phosphorus removal facility at the Calumet WRP. The facility will enable the WRP to meet the more stringent permit limit for phosphorus removal (1.0 mg/L) that becomes effective in 2024 and continue its streak of 30 consecutive years of 100 percent National Pollutant Discharge Elimination System permit compliance;
- Completed the installation of two energy efficient boilers in the Main Office Building, which is particularly beneficial in an environment marked by surging energy prices.

2023 Appropriation

The 2023 appropriation for the Construction Fund is \$51,500,400, an increase of \$31,568,400, or 158.4 percent, from 2022. For the 2023 budget, in addition to the tax levy and existing assets appropriable, the fund will be supported by a \$25.0 million allocation of Personal Property Replacement Tax which outperformed expectations and has continued to return positive results. The increase in the appropriation is primarily due to the chemical phosphorus removal project at the Calumet WRP, with an estimated 2023 cost of \$14,000,000. The phosphorus removal facility will be instrumental in assisting the WRP with achieving 100 percent permit compliance, a key strategy of the Strategic Plan Goal of Resource Management. There are no staff positions budgeted in the Construction Fund. The 2023 value of the Construction Fund Program includes \$21,451,000 for projects under construction and \$26,015,000 for projects scheduled for award in 2023. An additional \$4,034,400 is appropriated for purposes not specifically associated with listed project costs, such as professional engineering services in connection with programs and initiatives sponsored by the Engineering and Monitoring & Research Departments.

2023 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Resource Management, defined as maintaining a high level of performance while fulfilling the District's core mission of protecting the public health and area waterways and pursuing opportunities to recover and reuse resources. The initiatives described below exemplify the District's goal of maintaining and operating its facilities and assets to provide that high level of service.

Design and maintain a Capital Improvement Program that emphasizes preserving and improving assets for optimal performance, long-term sustainability, and equitable and consistent service delivery

- Design and implement projects with the purpose of providing valuable equipment redundancies, preventing system failures, and maximizing equipment uptime for permit compliance;
- Understand and consider outside forces and influences, such as a global pandemic, inflationary pressures, and geopolitical events, when planning for capital infrastructure needs;
- Continue to build an Asset Management Program that is sustainable, optimizes the life cycle of critical assets, and considers the long-term environmental and financial implications of all plans and activities;

- Allocate resources to ensure that the operating capacity of the District's assets is maintained at a high level. In 2023, the District will oversee 35 new and seven existing Construction Fund projects related to the core programs and functions of collection, treatment, solids processing and utilization, and flood and pollution control;
- Continue to pursue research programs focused on addressing impending or anticipated future regulatory actions, achieving energy savings and resource recovery, and driving innovation, all of which are success measures of Resource Management.

The following budget highlight supports the District's Strategic Plan Goal of Community Engagement. The initiative described below illustrates the District's determination to serve as a critical community asset, a responsive neighbor, and an inclusive business partner.

Collaborate with similarly motivated agencies and organizations to advance the mission and goals of the District and work to improve the communities in which they operate

- Maintain membership in the DuPage River Salt Creek Workgroup (DRSCW), which is a non-profit organization formed by local communities, water reclamation plants, and environmental organizations to address water quality issues at the watershed level. The Salt Creek and the East and West Branch DuPage River Watersheds, the primary areas of focus, are also the receiving streams for the discharge from the Egan and Hanover Park WRPs. Membership in the DRSCW provides the District with an opportunity to benefit both the environment and its financial position as the Egan and Hanover Park WRPs will not be required to meet the more stringent phosphorus limit standards, a potentially costly undertaking, for at least 10 years while the DRSCW projects are implemented and their impacts on the waterway are evaluated. Working with the DRSCW, the District will plan, design, and build a project to improve the aquatic ecosystem for fish and wildlife and serve the public interest. Funds for the project are included in the five-year capital budget;
- Act as an accountable and responsive neighbor. Committed to being a valued presence in the communities it serves, the District will fund a project in 2023 to restore the exterior facade of the Walters Road Pumping Station in the North Service Area, which was commissioned in 1963. The work will eliminate structural deficiencies while modernizing the look of the building to better integrate with the architecture and design of the surrounding residential neighborhood.

The following budget highlight supports the District's Strategic Plan Goal of Enterprise Resilience. The initiative described below reflects the District's dedication to making choices and decisions that strengthen the District's operational position, resulting in reliable and cost-effective services.

Develop conceptual plans and cost estimates to achieve energy neutrality at one water reclamation plant by 2030, and net energy neutrality District-wide by 2035

- Continue a project in the North Aeration Battery at the Egan WRP to test new technologies and their effectiveness at reducing energy through decreased air usage, minimizing maintenance, achieving operational efficiencies, and meeting more stringent permit compliance requirements. The project, which entails the installation of a new air diffuser system, is consistent with the District's Strategic Plan Goal of Resource Management, which emphasizes the management of District assets for optimal performance and long-term sustainability and Enterprise Resilience, which encourages the proactive pursuit of projects and practices to strengthen functionality in the face of a rapidly changing world.

Construction Fund Program**Awards in 2023**

| Project Name | Project Number | Est. Construction Cost | 2023 Appropriation | Duration (days) | Est. Award Date |
|--|----------------|------------------------------|-----------------------|--------------------|--------------------|
| Conflict Manhole on Calumet 18B for IDOT Project 60Y72, CSA | 21-IGA-19 | \$ 333 | \$ 222 | 410 | Jan 2023 |
| Rehabilitate Overhead Air Main, CWRP | 22-801-22 | 420 | 420 | 360 | Jan 2023 |
| Upgrade Fire Detection Systems, Various Locations | 23-626-21 | 465 | 465 | 364 | Jan 2023 |
| Slope Rehabilitation at the Gloria Alitto Majewski Reservoir, KWRP | J67722-XX6.A | 400 | 400 | 364 | Jan 2023 |
| Influent Gate Demolition, SWRP | 22-902-22 | 740 | 740 | 437 | Feb 2023 |
| Rehabilitate Digester Covers, Various Locations | 23-684-21A | 1,210 | 270 | 1,064 | Feb 2023 |
| Rehabilitate City Water Tanks, Various Locations | 23-684-21B | 1,350 | 550 | 699 | Feb 2023 |
| Centrifuge Improvements at Post-Digestion Centrifuge Facility, SWRP | 22-903-21 | 1,000 | 400 | 671 | Mar 2023 |
| Centennial Fountain Rehabilitation, SSA | 23-601-21 | 2,000 | 1,250 | 521 | Mar 2023 |
| Replace Gas Monitoring Systems, NSA | 23-635-21 | 1,050 | 850 | 671 | Mar 2023 |
| Replace Concrete Slab with Metal Grating, DS-M84, NSA | J66000-XX1.A | 150 | 150 | 305 | Mar 2023 |
| Modify Air Vent Elevation, DS-M13, SSA | J66000-XX2.A | 350 | 350 | 305 | Mar 2023 |
| Install Prefabricated Oil Storage Building, OWRP | J67722-XX3.A | 350 | 350 | 213 | Mar 2023 |
| Restoration of the Walters Road Pumping Station, NSA | J67722-XX4.A | 175 | 175 | 213 | Mar 2023 |
| Replace Air Compressor System, KWRP | J67722-XX7.A | 300 | 300 | 305 | Mar 2023 |
| Furnish, Deliver, and Install 480V Power Feeds to Aeration Batteries A, B, and C, CWRP | J68823-001.A | 250 | 250 | 305 | Mar 2023 |
| Furnish, Deliver, and Install Automatic Transfer Switches, LWRP | J68823-002.A | 250 | 250 | 305 | Mar 2023 |
| Roof Replacement, CWRP | J68823-003.A | 425 | 425 | 121 | Mar 2023 |
| Fox River Water Reclamation District (FRWRD) Operations and Maintenance Building Replacement | 21-IGA-21 | 1,566 | 750 | 532 | Apr 2023 |
| Lagoon Slope Regrade, CALSMA | 23-802-21 | 500 | 500 | 274 | Apr 2023 |
| Refrigeration Improvements, CWRP and EWRP | 23-106-21 | 365 | 365 | 366 | May 2023 |
| Biogas Combined Heat and Power System, EWRP | 20-415-2S | 8,340 | 8,340 | 557 | Jun 2023 |
| HVAC System Replacement, Various Locations | 21-611-21 | 15,000 | 2,000 | 1,309 | Jun 2023 |
| Furnish, Deliver, and Install Primary Bag Filters, CWRP | 22-601-21 | 400 | 350 | 579 | Jun 2023 |
| Construct Treatment Plant Operator Laboratory, HPWRP | 23-705-21 | 500 | 500 | 213 | Jun 2023 |

Awards in 2023 (continued)

| Project Name | Project Number | Est. Construction Cost | 2023 Appropriation | Duration (days) | Est. Award Date |
|---|----------------|------------------------------|-----------------------|--------------------|--------------------|
| Install Access Road, HPWRP | J67722-XX5.A | \$ 175 | \$ 175 | 213 | Jun 2023 |
| Fullersburg Woods Master Plan, DRSCW | 21-863-2C | 6,000 | 3,700 | 691 | Aug 2023 |
| Fox River Water Reclamation District (FRWRD) Biosolids Gas Utilization | 21-IGA-20 | 2,134 | 267 | 918 | Aug 2023 |
| HVAC Improvements to UV Building and Switchgear Building, OWRP | 22-093-2M | 1,250 | 63 | 445 | Aug 2023 |
| Motor Control Center Replacement at Upper DuPage Reservoir, NSA | 19-543-2E | 250 | 250 | 253 | Sep 2023 |
| Railroad Track Improvements, SSA | 20-907-21 | 4,000 | 200 | 457 | Oct 2023 |
| Remove and Replace One 23XL Chiller, Main Office Building | 22-404-21 | 350 | 350 | 457 | Oct 2023 |
| TARP Mechanical Equipment Improvements, CWRP | 23-801-21 | 6,200 | 200 | 1,187 | Oct 2023 |
| Construct Arc Flash Blast Wall, OWRP | J67722-XX2.A | 150 | 150 | 457 | Oct 2023 |
| Replacement of Telemetry, Various Locations | 20-861-2E | 1,300 | 38 | 353 | Dec 2023 |
| Total 2023 Awards | | \$ 59,698 | \$ 26,015 | | |

Projects Under Construction

| Project Name | Project Number | Est. Construction Cost | 2023 Appropriation | Duration (days) | Award Date |
|---|----------------|------------------------------|-----------------------|--------------------|------------|
| Rehabilitate Aeration Blowers, SWRP | 20-908-21 | \$ 3,385 | \$ 2,000 | 1,333 | May 2020 |
| HVAC Improvements, Various Locations | 19-613-21 | 3,175 | 700 | 1,186 | Oct 2020 |
| Rehabilitate One Electric Motor, SWRP | 21-901-21 | 436 | 50 | 624 | Jul 2021 |
| Furnish, Deliver, and Install HVAC Control Panels, SWRP | 21-910-21 | 1,000 | 800 | 622 | May 2022 |
| Rehabilitation of Locomotive No. 4, SSA | 21-911-21 | 984 | 300 | 294 | May 2022 |
| Chemical Phosphorus Removal Facility, CWRP | 18-254-3P | 15,577 | 15,577 | 487 | Aug 2022 |
| Installation of a New Air Diffuser System in the North Aeration Basin and Associated Work, EWRP | 22-107-21 | 2,390 | 2,024 | 507 | Aug 2022 |
| Total Projects Under Construction | | \$ 26,947 | \$ 21,451 | | |
| Cumulative 2023 Awards and Projects Under Construction | | \$ 86,645 | \$ 47,466 | | |

Note: All cost figures are in thousands of dollars.

CAPITAL PROJECTS LISTED BY SERVICE AREA - CONSTRUCTION FUND

The following is a list of capital projects within the District’s three major service areas. They are presented by their association with a water reclamation plant (WRP) and by their completion status: projects for 2023 award or under construction.

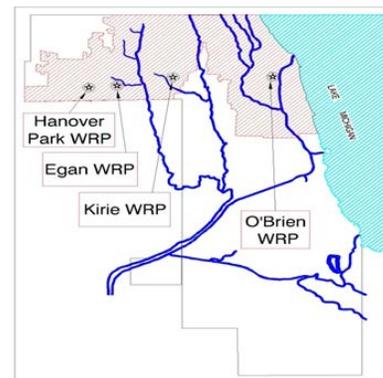
**STICKNEY
SERVICE
AREA (SSA)**



Stickney Water Reclamation Plant (SWRP)

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|------------------------------------|---|--|--|
| Projects for 2023 Award | | | |
| 20-907-21 | Railroad Track Improvements, SSA | | \$ 4,000,000 |
| 21-611-21 | HVAC System Replacement, Various Locations | | 15,000,000 |
| 22-404-21 | Remove and Replace One 23XL Chiller, Main Office Building | | 350,000 |
| 22-902-22 | Influent Gate Demolition, SWRP | | 740,000 |
| 22-903-21 | Centrifuge Improvements at Post-Digestion Centrifuge Facility, SWRP | | 1,000,000 |
| 23-601-21 | Centennial Fountain Rehabilitation, SSA | | 2,000,000 |
| 23-684-21B | Rehabilitate City Water Tanks, Various Locations | | 1,350,000 |
| J66000-XX2.A | Modify Air Vent Elevation, DS-M13, SSA | | 350,000 |
| | | Total | \$ 24,790,000 |
| Projects Under Construction | | | |
| 19-613-21 | HVAC Improvements, Various Locations | 12/23 | \$ 3,175,000 |
| 20-908-21 | Rehabilitate Aeration Blowers, SWRP | 12/23 | 3,385,000 |
| 21-901-21 | Rehabilitate One Electric Motor, SWRP | 3/23 | 436,000 |
| 21-910-21 | Furnish, Deliver, and Install HVAC Control Panels, SWRP | 1/24 | 1,000,000 |
| 21-911-21 | Rehabilitation of Locomotive No. 4, SSA | 2/23 | 984,000 |
| | | Total | \$ 8,980,000 |
| | Stickney Service Area Grand Total | | \$ 33,770,000 |

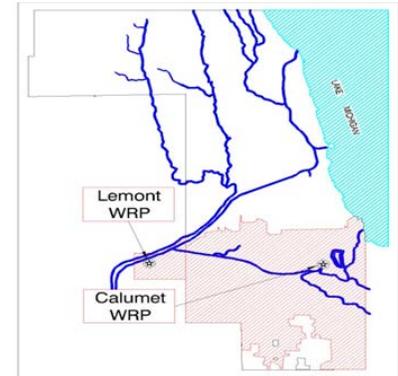
**NORTH
SERVICE
AREA (NSA)**



**Terrence J. O'Brien Water Reclamation Plant (OWRP)
John E. Egan Water Reclamation Plant (EWRP)
James C. Kirie Water Reclamation Plant (KWRP)
Hanover Park Water Reclamation Plant (HPWRP)**

| Projects for 2023 Award | | Estimated Substantial Completion Date | Estimated Construction Cost |
|---------------------------------------|---|--|--|
| 19-543-2E | Motor Control Center Replacement at Upper DuPage Reservoir, NSA | | \$ 250,000 |
| 20-415-2S | Biogas Combined Heat and Power System, EWRP | | 8,340,000 |
| 20-861-2E | Replacement of Telemetry, Various Locations | | 1,300,000 |
| 21-863-2C | Fullersburg Woods Master Plan, DRSCW | | 6,000,000 |
| 21-IGA-20 | Fox River Water Reclamation District (FRWRD) Biosolids Gas Utilization | | 2,134,000 |
| 21-IGA-21 | Fox River Water Reclamation District (FRWRD) Operations and Maintenance Building Replacement | | 1,566,000 |
| 22-093-2M | HVAC Improvements to UV Building and Switchgear Building, OWRP | | 1,250,000 |
| 23-635-21 | Replace Gas Monitoring Systems, NSA | | 1,050,000 |
| 23-684-21A | Rehabilitate Digester Covers, Various Locations | | 1,210,000 |
| 23-705-21 | Construct Treatment Plant Operator Laboratory, HPWRP | | 500,000 |
| J66000-XX1.A | Replace Concrete Slab with Metal Grating, DS-M84, NSA | | 150,000 |
| J67722-XX2.A | Construct Arc Flash Blast Wall, OWRP | | 150,000 |
| J67722-XX3.A | Install Prefabricated Oil Storage Building, OWRP | | 350,000 |
| J67722-XX4.A | Restoration of the Walters Road Pumping Station, NSA | | 175,000 |
| J67722-XX5.A | Install Access Road, HPWRP | | 175,000 |
| J67722-XX6.A | Slope Rehabilitation at the Gloria Alitto Majewski Reservoir, KWRP | | 400,000 |
| J67722-XX7.A | Replace Air Compressor System, KWRP | | 300,000 |
| Total | | | \$ 25,300,000 |
| Project Under Construction | | | |
| 22-107-21 | Installation of a New Air Diffuser System in the North Aeration Basin and Associated Work, EWRP | 12/23 | \$ 2,390,000 |
| Total | | | \$ 2,390,000 |
| North Service Area Grand Total | | | \$ 27,690,000 |

**CALUMET
SERVICE
AREA (CSA)**



**Calumet Water Reclamation Plant (CWRP)
Lemont Water Reclamation Plant (LWRP)**

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|-----------------------------------|--|--|--|
| Projects for 2023 Award | | | |
| 21-IGA-19 | Conflict Manhole on Calumet 18B for IDOT Project 60Y72, CSA | | \$ 333,000 |
| 22-601-21 | Furnish, Deliver, and Install Primary Bag Filters, CWRP | | 400,000 |
| 22-801-22 | Rehabilitate Overhead Air Main, CWRP | | 420,000 |
| 23-106-21 | Refrigeration Improvements, CWRP and EWRP | | 365,000 |
| 23-626-21 | Upgrade Fire Detection Systems, Various Locations | | 465,000 |
| 23-801-21 | TARP Mechanical Equipment Improvements, CWRP | | 6,200,000 |
| 23-802-21 | Lagoon Slope Regrade, CALSMA | | 500,000 |
| J68823-001.A | Furnish, Deliver, and Install 480V Power Feeds to Aeration Batteries A, B, and C, CWRP | | 250,000 |
| J68823-002.A | Furnish, Deliver, and Install Automatic Transfer Switches, LWRP | | 250,000 |
| J68823-003.A | Roof Replacement, CWRP | | 425,000 |
| | Total | | \$ 9,608,000 |
| Project Under Construction | | | |
| 18-254-3P | Chemical Phosphorus Removal Facility, CWRP | 12/23 | \$ 15,577,000 |
| | Total | | \$ 15,577,000 |
| | Calumet Service Area Grand Total | | \$ 25,185,000 |
| | Capital Projects Grand Total - All Service Areas | | \$ 86,645,000 |

Chemical Phosphorus Removal Facility, CWRP

| | |
|------------------------------------|---|
| Project Number | 18-254-3P |
| Service Area | Calumet |
| Location | Calumet WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | IHC Construction Companies, LLC |
| Estimated Construction Cost | \$15,577,000 |
| Contract Award Date | August 2022 |
| Substantial Completion Date | December 2023 |
| Project Description | This project will provide a chemical phosphorus removal system at the Calumet WRP. This will allow the treatment plant to achieve compliance with the National Pollutant Discharge Elimination System permit phosphorus effluent limit. |
| Project Justification | Through the development of this project, staff explored a number of options to help meet the upcoming phosphorous effluent permit limits (in place in 2024) at the Calumet WRP. Chemical phosphorus removal or polishing, while incurring a high operating cost due to the purchase of chemicals, is a certain technology. If biological phosphorus removal is not implemented or adequately able to meet the effluent permit limit, chemical phosphorus removal will be necessary. The facility will be designed to remove all of the phosphorus from the mainstream or serve as a polishing step to remove peak concentrations of phosphorus from the effluent. |
| Project Status | Construction |



Motor Control Center Replacement at Upper DuPage Reservoir, NSA

Project Number 19-543-2E

Service Area North

Location Upper DuPage Reservoir

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$250,000

Contract Award Date September 2023

Substantial Completion Date May 2024

Project Description This project will replace the motor control center at the Upper DuPage Reservoir.

Project Justification The electrical equipment is over 30 years old and is in poor condition. In order to avoid failure and ensure the appropriate level of service, the equipment must be replaced.

Project Status Planning



HVAC Improvements, Various Locations

| | |
|------------------------------------|---|
| Project Number | 19-613-21 |
| Service Area | Calumet, North, and Stickney |
| Location | Calumet, Egan, Kirie, Hanover Park, and Stickney WRP's and the North Branch Pumping Station |
| Engineering Consultant | In-house design |
| Engineering Contractor | Autumn Construction Services, Inc. |
| Estimated Construction Cost | \$3,175,000 |
| Contract Award Date | October 2020 |
| Substantial Completion Date | December 2023 |



Project Description This project includes the replacement and improvement of heating, ventilation, and air conditioning systems at various locations. At the Calumet WRP, ventilation improvements will be made in the battery room, two explosion-proof dehumidifiers will be replaced in the Tunnel and Reservoir Plan pumping station, and system balancing will be performed in the Administration Building. At the Egan WRP, the controls will be upgraded in the Administration Building and two digester gas systems with appurtenances will be replaced in the Digester Complex. At the Kirie WRP, ventilation improvements will be made in the influent pumping station. At the Hanover Park WRP, ventilation improvements will be made and controls will be upgraded in the pump and blower building. At the Stickney WRP, the air handling units in the Monitoring and Research Laboratory Building and the air conditioning unit and condenser in the Information Technology Department's data room will be replaced. At the North Branch Pumping Station, ventilation improvements will be made.

Project Justification The need for replacement is based on age, life expectancy, and reliability. The equipment being replaced has experienced chronic failures due to equipment corrosion and leaking coils and piping. The project will minimize future maintenance costs and ensure increased reliability to protect the District's assets, improve air quality, and provide a safe working environment.

Project Status Construction

Biogas Combined Heat and Power System, EWRP

Project Number 20-415-2S

Service Area North

Location Egan WRP

Engineering Consultant To be determined

Engineering Contractor To be determined

Estimated Construction Cost \$8,340,000

Contract Award Date June 2023

Substantial Completion Date December 2024

Project Description This project entails the installation of a biogas combined heat and power system.

Project Justification This project will utilize biogas from the combined heat and power system, which is typically flared, to produce electricity and recover the heat from the engine for beneficial reuse (hot water heat recovery). The biogas, a byproduct of wastewater treatment, will be beneficially reused. It is anticipated that running one unit will save \$44,000 annually.

Project Status Planning



Replacement of Telemetry, Various Locations

| | |
|------------------------------------|------------------------------|
| Project Number | 20-861-2E |
| Service Area | Calumet, North, and Stickney |
| Location | District-wide |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$1,300,000 |
| Contract Award Date | December 2023 |
| Substantial Completion Date | November 2024 |



Project Description This project is to furnish, deliver, and install replacement communications equipment and services for the existing copper phone lines that provide visibility and control of various District remote sites from their respective supervisory plants. The equipment selected will provide secure, bidirectional, periodic commands and readings over cellular radio link to the telecommunications provider's network, as well as the ability to retrieve diagnostic data of the networking equipment itself. The contractor will provide turnkey installation from the Supervisory Control and Data Acquisition interface to the complete field installation.

Project Justification Existing point-to-point copper telemetry lines have been labeled as obsolete by AT&T, which is the District's current service provider. Although the District has entered into a two-year contract with AT&T that includes these copper services, continued telemetry service beyond the end of the current contract is not guaranteed. AT&T has been reluctant to continue long-term contractual relationships for these point-to-point services. Additionally, it is expected that the operating costs for a new communications system will realize actual savings of more than 30 percent.

Project Status Planning

Railroad Track Improvements, SSA

Project Number 20-907-21

Service Area Stickney

Location Stickney Service Area

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$4,000,000

Contract Award Date October 2023

Substantial Completion Date December 2024



Project Description This project entails removing and replacing two railroad grade crossings, providing for track drainage improvements, and rehabilitating eight retaining walls. The grade crossings are located outside and to the west of the Stickney WRP.

Project Justification Improvements are necessary to ensure the integrity of the track gauge and prevent derailments. The existing grade crossing under Interstate 55 has noticeably degraded. At other locations outside the Stickney WRP, heavy traffic loads have degraded the crossing and it must be replaced to restore its integrity. There are numerous locations along the track system where poor track drainage causes the track ballast to become fouled with dirt and sediments. Rainwater carries ballast away from the track bed, and existing underdrain piping has been damaged or is no longer at an elevation sufficient to provide effective drainage. At certain locations, the surrounding terrain drains onto the track bed instead of away from it. These conditions keep the wood crossties saturated for extended periods of time and deposit significant amounts of dirt onto the ballast. Such conditions have a detrimental effect, the ability of the ballast to retain the rail in place is impaired and the frequency of crosstie replacements and track re-ballasting is increased. During more extreme wet weather events at the most susceptible locations, track flooding can reach the top of the rail, forcing the shutdown of the railroad until the floodwaters subside. Retaining walls in the area are in various stages of dilapidation, and some have completely failed, allowing the previously retained material to gradually migrate onto the track bed and interfere with the wheel flanges of the locomotives and dump cars.

Project Status Planning

Rehabilitate Aeration Blowers, SWRP

Project Number 20-908-21

Service Area Stickney

Location Stickney WRP

Engineering Consultant In-house design

Engineering Contractor Dresser-Rand Company

Estimated Construction Cost \$3,385,000

Contract Award Date May 2020

Substantial Completion Date December 2023

Project Description This project entails inspecting, rehabilitating, and overhauling four Dresser-Clark blowers at the Stickney WRP.

Project Justification Four axial flow blowers (Nos. 4 through 7) at the Stickney WRP are used to provide air to the aeration tanks and airlifts. Blower No. 7's guide vane stator has sustained damage, preventing it from moving. The stator is critical as it is used to adjust the air flow based on the WRP's need. The stator on blower No. 4 also needs to be replaced. The blowers are due for an overhaul (every eight years is recommended). The project will include the inspection, rehabilitation, balancing, and replacement of worn parts. In addition, blowers Nos. 5 and 7 have obsolete pneumatic actuators which will be replaced with electro-hydraulic actuators.

Project Status Construction



HVAC System Replacement, Various Locations

| | |
|------------------------------------|--|
| Project Number | 21-611-21 |
| Service Area | Calumet, North, and Stickney |
| Location | Calumet, North, and Stickney Service Areas |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$15,000,000 |
| Contract Award Date | June 2023 |
| Substantial Completion Date | December 2026 |



Project Description This project entails replacing and improving heating, ventilation, and air conditioning (HVAC) systems at various locations. At the Calumet WRP, a cross-connection between cooling towers will be installed for the Tunnel and Reservoir Plan, the old chiller and cooling towers will be removed at the Pump and Blower Building, and gas and water lines will be installed in the Heavy Equipment Building. At the 95th Street Pumping Station, ventilation improvements will be made in the Screenings Room. At the Egan WRP, two digester gas systems with appurtenances will be replaced in the Digester Complex, three absorption chillers will be replaced, and the building management system controls will be upgraded in the Administration Building. At the Kirie WRP, the air handling system will be replaced to improve ventilation in the Influent Pumping Station. At the O'Brien WRP, four air handling units will be replaced in the Pump and Blower Building. At the Racine Avenue Pumping Station, the air handling system will be updated to improve ventilation. At the Stickney WRP, the HVAC system and two chillers will be replaced, the building management system controls will be upgraded in the Engineering Building, two heat exchangers will be replaced in the Monitoring and Research Building, and a high-pressure steam line will be installed in the Digester Facility. At the Lawndale Avenue Solids Management Facility, the HVAC system and controls will be upgraded in the Visitor's Center.

Project Justification The need for replacement is based on age, life expectancy, and reliability. The equipment being replaced has experienced chronic failures due to equipment corrosion and leaking coils and piping. The project will minimize future maintenance costs and ensure increased reliability to protect District assets, improve air quality, and provide a safe working environment.

Project Status Planning

Fullersburg Woods Master Plan, DRSCW

| | |
|------------------------------------|--|
| Project Number | 21-863-2C |
| Service Area | North |
| Location | Graue Mill along Salt Creek, near Ogden Avenue and York Road in Oak Brook, DuPage County, IL |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$6,000,000 |
| Contract Award Date | August 2023 |
| Substantial Completion Date | July 2025 |
| Project Description | The project entails removing the Graue Mill Dam and improving a segment of the Salt Creek to stabilize banks and enhance habitat. It will also return flow into the mill to power the waterwheel and rehabilitate a floodwall. |
| Project Justification | The project will fulfill the District's commitment under its agreement with the DuPage River Salt Creek Workgroup to support projects along the waterway. It will also comply with the Egan and Hanover Park WRPs' National Pollutant Discharge Elimination System Permit provisions to support waterway projects in lieu of near-term, additional nutrient removal solutions at the WRPs. |
| Project Status | Negotiation / Evaluation |



Rehabilitate One Electric Motor, SWRP

Project Number 21-901-21

Service Area Stickney

Location Pump & Blower Facility, Stickney WRP

Engineering Consultant In house design

Engineering Contractor Louis Allis, LLC

Estimated Construction Cost \$436,000

Contract Award Date July 2021

Substantial Completion Date March 2023



Project Description This project entails rewinding the motor stator and refurbishing the rotor on aeration blower motor No. 4 at the Stickney WRP.

Project Justification On December 23, 2020, aeration blower motor No. 4 tripped while being placed into service. District staff tested the motor and found the stator winding had shorted to ground. To restore the blower to full operation, the motor stator must be rewound, and new temperature monitoring devices must be installed. The rotor will be tested and refurbished.

Project Status Construction

Furnish, Deliver, and Install HVAC Control Panels, SWRP

| | |
|------------------------------------|------------------------|
| Project Number | 21-910-21 |
| Service Area | Stickney |
| Location | Stickney WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | Siemens Industry, Inc. |
| Estimated Construction Cost | \$1,000,000 |
| Contract Award Date | May 2022 |
| Substantial Completion Date | January 2024 |



Project Description This project the vendor shall provide all necessary services, including labor, supervision, transportation, tools, parts, materials, instruments, insurance, management, expertise, and equipment to replace controllers such that 15 obsolete and damaged panels are brought up to date. Five panels will be completed in 2022 and 10 in 2023 with the project’s final completion expected in early 2024. The panels and nodes are linked to the building management system that manages and monitors the electrical and mechanical equipment which controls the heating, ventilation, and air conditioning systems at the Office, Shop, and Storage Facility, Building No. 3, and the Truck and Equipment Facility at the Stickney WRP.

Project Justification The precise control of the ventilation system is critical to the safety of the individuals who work with the welding, cutting, and torching equipment and operate the heavy equipment, trucks, and machines in these areas. The existing panels are obsolete and prone to malfunction, and parts are no longer available from the manufacturer. The expected useful life of the replacement panels is 20 years.

Project Status Construction

Rehabilitation of Locomotive No. 4, SSA

| | |
|------------------------------------|------------------------------|
| Project Number | 21-911-21 |
| Service Area | Stickney |
| Location | Stickney Service Area |
| Engineering Consultant | In-house design |
| Engineering Contractor | Motive Power Resources, Inc. |
| Estimated Construction Cost | \$984,000 |
| Contract Award Date | May 2022 |
| Substantial Completion Date | February 2023 |



Project Description This project entails overhauling Locomotive No. 4 in the Stickney Service Area.

Project Justification Locomotive No. 4 was built in 1983 and has been in service since that time. Other than the replacement of the wheel sets, significant rehabilitation work has not been performed on the locomotive. This project specifies the overhaul of the major mechanical and electrical components to ensure that the locomotive can provide reliable service to transport de-watered biosolids to the Harlem and Lawndale Avenue Solids Management Area drying sites. In addition to the wear and tear associated with age and regular use, the engine sustained significant damage when four dump cars derailed on July 13, 2020.

Project Status Construction

Conflict Manhole on Calumet 18B for IDOT Project 60Y72, CSA

Project Number 21-IGA-19

Service Area Calumet

Location Calumet Service Area

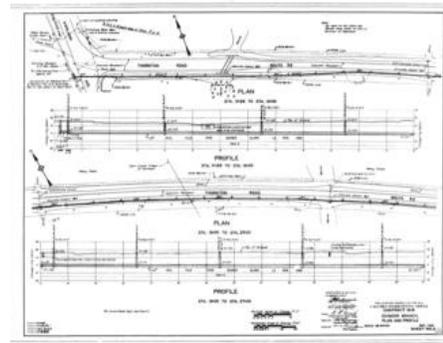
Engineering Consultant Illinois Department of Transportation

Engineering Contractor To be determined

Estimated Construction Cost \$333,000

Contract Award Date January 2023

Substantial Completion Date March 2024



Project Description The Illinois Department of Transportation (IDOT) as part of Project 60Y72 will be reconstructing 29,356 lineal feet of Wood Street, North of the Little Calumet River to South of U.S. Route 6. The District has facilities in the vicinity of the project which includes an intercepting sewer that is in conflict with a proposed IDOT storm sewer. IDOT is planning to construct a conflict manhole on the intercepting sewer to mitigate the conflict in the right-of-way. IDOT will also be including some stormwater improvements as part of the project with input from the District.

Project Justification The project will improve road service in the area, resolve the conflict with District facilities at minimal cost and impact to District service, and achieve some local stormwater benefits.

Project Status Negotiation / Evaluation

Fox River Water Reclamation District (FRWRD) Biosolids Gas Utilization

| | |
|------------------------------------|-----------------------|
| Project Number | 21-IGA-20 |
| Service Area | North |
| Location | Albin P. Pagorski WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$2,134,000 |
| Contract Award Date | August 2023 |
| Substantial Completion Date | February 2026 |



Project Description This project entails the utilization of biogas produced at the Albin P. Pagorski WRP, which is part of the Fox River Water Reclamation District, for plant building and process heating and/or electrical generation to save utility costs. Additionally, it will produce energy products that will be available for sale to offset plant operating costs.

Project Justification The Fox River Water Reclamation District treats flow from the District's Poplar Creek Basin. The District shares the cost of capital projects and pays for treatment costs based on flow. This project will utilize biogas produced at the water reclamation plant, saving plant operating costs and/or providing additional revenue. This will also result in environmental benefits.

Project Status Negotiation / Evaluation

Fox River Water Reclamation District (FRWRD) Operations and Maintenance Building Replacement

Project Number 21-IGA-21

Service Area North

Location Albin P. Pagorski WRP



Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$1,566,000

Contract Award Date April 2023

Substantial Completion Date October 2024

Project Description This project will replace the operations and maintenance facility with new construction. All the current facilities will be replaced and updated, and new processes incorporated as needed.

Project Justification This project will replace the operations and maintenance facility, which is past its useful life. A modern facility is needed to support updated and new processes at the facility.

Project Status Negotiation / Evaluation

HVAC Improvements to UV Building and Switchgear Building, OWRP

Project Number 22-093-2M

Service Area North

Location O'Brien WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$1,250,000

Contract Award Date August 2023

Substantial Completion Date November 2024



Project Description The project entails installing new heating, ventilation, and air conditioning rooftop units in the ultraviolet building and new air handling rooftop units in the switchgear building. The existing equipment is unreliable and ineffective.

Project Justification The existing heat exchangers are not functioning as intended and the dehumidifiers are not necessary.

Project Status Design

Installation of a New Air Diffuser System in the North Aeration Basin and Associated Work, EWRP

| | |
|------------------------------------|---|
| Project Number | 22-107-21 |
| Service Area | North |
| Location | Egan WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | Independent Mechanical Industries, Inc. |
| Estimated Construction Cost | \$2,390,000 |
| Contract Award Date | August 2022 |
| Substantial Completion Date | December 2023 |



Project Description This project entails replacing the membrane diffuser system in the north aeration battery tank with ceramic diffusers and associated piping. Other project improvements include the removal of the baffle walls and the addition of a hydrocyclone to preferentially waste lighter biomass. Upon implementation, the Monitoring & Research Department will test the system for its ability to provide adequate aeration and treatment and control filamentous bacterial growth and work with the Maintenance & Operations Department to establish maintenance and operational guidelines.

Project Justification The current membrane diffuser system in the north aeration battery is at the end of its service life and requires a complete replacement due to broken air lines and diffuser plates, as well as design modifications to meet treatment needs. The project overhaul will assist with meeting the National Pollutant Discharge Elimination System permit requirements and minimizing filamentous growth. The aeration system will be replaced and tested in the first tank prior to replacing the system in the second aeration tank.

Project Status Construction

Remove and Replace One 23XL Chiller, Main Office Building

| | |
|------------------------------------|----------------------|
| Project Number | 22-404-21 |
| Service Area | Stickney |
| Location | Main Office Building |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$350,000 |
| Contract Award Date | October 2023 |
| Substantial Completion Date | December 2024 |



Project Description The project entails removing and replacing one 23XL Carrier chiller unit at the Main Office Building. The new unit must be energy efficient, use less harmful refrigerant, and be tied into the building automation system.

Project Justification The chiller was installed in 1997. The American Society of Heating, Refrigerating, and Air-Conditioning Engineers' standard for useful life of centrifugal chillers is 23 years. This chiller has now been operational for 24 years. Failure of either existing chiller could have adverse effects on the working conditions of all employees in the Main Office Building due to the inability to regulate the temperature during the summer months. The current unit is also expensive to recharge and uses R-22 refrigerant, an ozone-depleting chemical. Water and electrical energy usage levels are expected to decrease significantly due to the new model's higher efficiency and the automated controls.

Project Status Planning

Furnish, Deliver, and Install Primary Bag Filters, CWRP

Project Number 22-601-21

Service Area Calumet

Location Calumet WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$400,000

Contract Award Date June 2023

Substantial Completion Date December 2024



Project Description Furnish, deliver, and install primary filter bags in the pump and blower baghouses at the Calumet WRP. The contractor shall install new primary filter bags in 20 baghouses at the Calumet WRP.

Project Justification Filter bags, which remove debris and contaminants from the pump and blower areas, need to be replaced every ten years due to wear and excessive clogging, which can no longer be alleviated with mechanical shaking.

Project Status Planning

Rehabilitate Overhead Air Main, CWRP

Project Number 22-801-22

Service Area Calumet

Location Calumet WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$420,000

Contract Award Date January 2023

Substantial Completion Date December 2023

Project Description This project entails removing the lead paint detected on the overhead air main and adjacent supports at the Calumet WRP.

Project Justification The overhead air main and supports have been found to contain unacceptable levels of lead paint, which requires abatement to eliminate any safety concerns.

Project Status Planning



Influent Gate Demolition, SWRP

| | |
|------------------------------------|------------------|
| Project Number | 22-902-22 |
| Service Area | Stickney |
| Location | Stickney WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$740,000 |
| Contract Award Date | February 2023 |
| Substantial Completion Date | April 2024 |



Project Description This project entails removing hydraulic gates at the Stickney WRP. Influent control structures M-13-1 and M-14-1 have hydraulic-operated gates in series with motor-operated gates. Hydraulic-operated gates E and F in structure M-13-1 have failed in the closed position, thus reducing operational flexibility during a wet-weather event.

Project Justification This project will improve the ability to control the influent flow to the Stickney and Westside WRPs and the Stickney Tunnel and Reservoir Plan.

Project Status Planning

Centrifuge Improvements at Post-Digestion Centrifuge Facility, SWRP

| | |
|------------------------------------|--|
| Project Number | 22-903-21 |
| Service Area | Stickney |
| Location | Post-Digestion Centrifuge Facility, Stickney WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$1,000,000 |
| Contract Award Date | March 2023 |
| Substantial Completion Date | December 2024 |



Project Description The Post-Digestion Centrifuge Facility at the Stickney WRP is currently operated by obsolete equipment. This project entails upgrading and replacing the old equipment. A fiber optic network/backbone will also be installed to enable the new equipment to communicate seamlessly with the existing network.

Project Justification The current controllers and input/output modules are part of a line of hardware that was discontinued in 2017. Procuring hardware, software, and technical support has become increasingly difficult and costly due to the equipment's obsolescence. The project upgrading to a new system will make the facility's network more reliable and sustainable.

Project Status Planning

Refrigeration Improvements, CWRP and EWRP

Project Number 23-106-21

Service Area Calumet and North

Location Calumet and Egan WRPs

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$365,000

Contract Award Date May 2023

Substantial Completion Date May 2024

Project Description This project is to furnish, deliver, and install new condensing units, evaporators, and controls for six environmental rooms, two at the Calumet WRP and four at the Egan WRP.

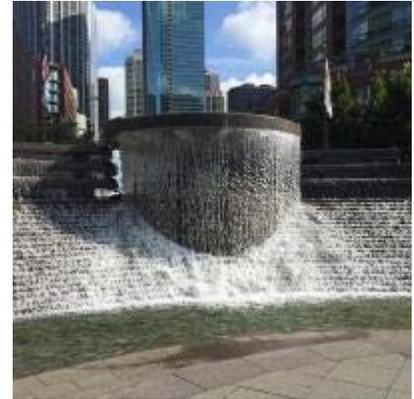
Project Justification The refrigeration equipment for these environmental rooms is at the end of its service life and routinely requires repair. These environmental rooms are used for storing samples critical for meeting the National Pollutant Discharge Elimination System permit requirements.

Project Status Design



Centennial Fountain Rehabilitation, SSA

| | |
|------------------------------------|---|
| Project Number | 23-601-21 |
| Service Area | Stickney |
| Location | Centennial Fountain |
| Engineering Consultant | G&H and Stanley Consultants |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$2,000,000 |
| Contract Award Date | March 2023 |
| Substantial Completion Date | September 2024 |
| Project Description | This project entails replacing flood damaged mechanical, electrical, power distribution, control, and remote monitoring equipment to restore Centennial Fountain to full service. Civil design enhancements to mitigate the flooding of the underground control chamber will also be incorporated in the project's design specifications. |
| Project Justification | The fountain sustained a catastrophic flood event damaging all underground control chamber equipment. |
| Project Status | Planning |



Upgrade Fire Detection Systems, Various Locations

| | |
|------------------------------------|---|
| Project Number | 23-626-21 |
| Service Area | Calumet, North and Stickney |
| Location | Calumet WRP, Lockport Powerhouse, Mainstream Pumping Station, and Northside Outlying Pump Stations |
| Engineering Consultant | In-house design |
| Engineering Contractor | Siemens Industry, Inc. |
| Estimated Construction Cost | \$465,000 |
| Contract Award Date | January 2023 |
| Substantial Completion Date | December 2023 |
| Project Description | This project will remove obsolete life-safety equipment and furnish, deliver, and install new programmable field devices at the Calumet WRP, Mainstream Pumping Station, Lockport Powerhouse, and Northside Outlying Pump Stations. |
| Project Justification | The Standard for Smoke Detectors, known as UL268, was updated to a 7th Edition, effective on May 29, 2020. After this date, manufacturers could no longer produce or label smoke detectors approved under the prior version of the Standard. Consequently, these field devices have become obsolete and are no longer supported. The lack of replacement parts jeopardizes the District's ability to maintain this life-safety equipment to an acceptable standard. This project upgrading the obsolete field devices to newer models will improve the ability to properly maintain the life-safety systems at these locations. |
| Project Status | Planning |



Replace Gas Monitoring Systems, NSA

| | |
|------------------------------------|--------------------|
| Project Number | 23-635-21 |
| Service Area | North |
| Location | North Service Area |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$1,050,000 |
| Contract Award Date | March 2023 |
| Substantial Completion Date | December 2024 |



Project Description This project will replace gas monitoring systems at the Egan, Hanover Park, and O'Brien WRPs.

Project Justification The current gas monitoring systems are aging and becoming unreliable due to the obsolescence and unavailability of repair parts. The new systems will provide reliable service and provide more efficient communication technology, which will result in a safer work environment.

Project Status Planning

Rehabilitate Digester Covers, Various Locations

Project Number 23-684-21A

Service Area Calumet and North

Location Calumet and Hanover Park WRPs

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$1,210,000

Contract Award Date February 2023

Substantial Completion Date December 2025

Project Description The rehabilitation of six digester covers each at the Calumet and Hanover Park WRPs will be achieved through surface restoration and the application of a protective coating to reverse the deterioration that occurs in the harsh environment of a wastewater treatment plant. The project will result in the extension of the equipment life cycle.

Project Justification The current condition of the digester covers includes surface deterioration, rust, and foaming sludge buildup. These factors compound the rate of corrosion over time and must be mitigated to prolong the life of the digesters.

Project Status Planning



Rehabilitate City Water Tanks, Various Locations

| | |
|------------------------------------|---------------------------|
| Project Number | 23-684-21B |
| Service Area | North and Stickney |
| Location | O'Brien and Stickney WRPs |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$1,350,000 |
| Contract Award Date | February 2023 |
| Substantial Completion Date | December 2024 |



Project Description The city water tank at the O'Brien Water Reclamation Plant has sustained corrosion and is only equipped with a temporary cover. Under this project, the tank will be re-coated inside and out, and a permanent cover will be installed. The Stickney city water tank, erected in 1958, was last rehabilitated in 1996. Rehabilitation of the water tower will include all necessary structural improvements.

Project Justification The city water tank at the O'Brien WRP has sustained corrosion and is equipped with only a temporary cover. The city water tank at the Stickney WRP has not been painted in over 25 years and re-coating is necessary to maintain the integrity of the structure.

Project Status Planning

Construct Treatment Plant Operator Laboratory, HPWRP

| | |
|------------------------------------|------------------|
| Project Number | 23-705-21 |
| Service Area | North |
| Location | Hanover Park WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$500,000 |
| Contract Award Date | June 2023 |
| Substantial Completion Date | December 2023 |



| | |
|------------------------------|--|
| Project Description | This project involves converting the existing space in the Tertiary Building into a laboratory for the Treatment Plant Operators to perform sample testing and analysis. The conversion will allow for proper chemical storage, improved ventilation, and at least two doors for egress. With the improved layout, there will be adequate space for all necessary equipment, including workstations where staff can enter and analyze and their findings in a convenient location. |
| Project Justification | The current sampling area is in an inadequately sized section of the Administration Building. The new space will have room for proper chemical storage, all laboratory equipment, and enough workstations for improved safety, convenience, and efficiency. A new drainage system, laboratory exhaust system, and at least two doors for egress will also improve safety and general working conditions. |
| Project Status | Design |

TARP Mechanical Equipment Improvements, CWRP

Project Number 23-801-21

Service Area Calumet

Location Calumet WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$6,200,000

Contract Award Date October 2023

Substantial Completion Date December 2026



Project Description The project entails rehabilitating the suction and discharge valves in the main sewage pumps at the Calumet Tunnel and Reservoir Plan (TARP), which includes integrating the medium voltage drive auxiliary chillers into the house-chilled water system, balancing and aligning rotating assemblies, and upgrading obsolete prime-mover vibration and temperature monitoring systems.

Project Justification The suction and discharge valves are original to the pump station (circa 1985). The valves leak and do not hold a seal which requires the entire pump house to be dewatered and taken out of service to isolate the pumps for routine service. The medium voltage drive auxiliary chillers have proven to be a reliability risk, thus reducing the availability of the pumps.

Project Status Planning

Lagoon Slope Regrade, CALSMA

| | |
|------------------------------------|--------------------------------|
| Project Number | 23-802-21 |
| Service Area | Calumet |
| Location | Calumet Solids Management Area |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$500,000 |
| Contract Award Date | April 2023 |
| Substantial Completion Date | December 2023 |



Project Description Many of the biosolids lagoons at the Calumet WRP still have the original clay-lined bottoms that over time have been compromised due to the use of heavy equipment to remove and process the biosolids for beneficial reuse. Services are required to restore the lagoons to their original slope. This project will provide restoration that includes regrading and adding material.

Project Justification The lagoons cannot be emptied in their entirety due to the compromised state of the slope, which, when properly graded allows solids to drain to draw off boxes at the low end of the lagoons. The project will provide restoration that will add to the useful life of the lagoons and ensure all space is efficiently emptied and available for future operations.

Project Status Planning

Replace Concrete Slab with Metal Grating, DS-M84, NSA

| | |
|------------------------------------|--|
| Project Number | J66000-XX1.A |
| Service Area | North |
| Location | Drop Shaft M84 |
| Engineering Consultant | In-house design |
| Engineering Contractor | McDonagh Demolition, Inc. |
| Estimated Construction Cost | \$150,000 |
| Contract Award Date | March 2023 |
| Substantial Completion Date | December 2023 |
| Project Description | The project entails removing a concrete air vent cap at Tunnel and Reservoir Plan Drop (TARP) Shaft M84 and replace it with steel grating. The work will include demolishing the existing concrete cap, installing steel girders with grating, and restoring the local parking lot within the immediate vicinity of the drop shaft. |
| Project Justification | The current air vent cap is a concrete slab with an access manhole. During acute rainstorm events, the manhole will rattle or blow-off due to built-up air pressure in the TARP system. A solution to this anomaly is to replace the concrete slab and access manhole with a six-foot diameter steel grating which will allow venting and provide localized air pressure relief. |
| Project Status | Planning |



Modify Air Vent Elevation, DS-M13, SSA

Project Number J66000-XX2.A

Service Area Stickney

Location Drop Shaft M13

Engineering Consultant In-house design

Engineering Contractor Anchor Mechanical, Inc.

Estimated Construction Cost \$350,000

Contract Award Date March 2023

Substantial Completion Date December 2023

Project Description This project will raise the elevation of Tunnel and Reservoir Plan (TARP) Drop Shaft M13 air vent by eight feet. The work will include removing the existing steel grating and beams, extending the existing air vent shaft core with reinforced concrete, and installing new steel girders and new 72-inch diameter grating.

Project Justification During severe rain events, the drop shaft air vent experiences stormwater geysering, causing the steel grating to lift and shift from the structure. The air vent is the first point of pressure relief. Extending the structure eight feet above the current ground elevation and above the drop shaft will safely contain the geysering effect. This solution was implemented within the Mainstream TARP system and has proven to be reliable.

Project Status Planning



Construct Arc Flash Blast Wall, OWRP

| | |
|------------------------------------|---|
| Project Number | J67722-XX2.A |
| Service Area | North |
| Location | O'Brien WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | McDonagh Demolition, Inc. |
| Estimated Construction Cost | \$150,000 |
| Contract Award Date | October 2023 |
| Substantial Completion Date | December 2024 |
| Project Description | Furnish, deliver, and install an arc flash blast wall for geographic information system switchgear at the O'Brien WRP. |
| Project Justification | There are two lines from ComEd that feed into the switchgear. To work safely on either line, both lines must be shut down, which takes the entire WRP offline, causing disruptions to operations. The arc flash blast wall will provide an insulation barrier between the two incoming power lines, eliminating the safety hazard and the need to shut down both lines at once when working on the equipment. |
| Project Status | Planning |



Install Prefabricated Oil Storage Building, OWRP

| | |
|------------------------------------|--|
| Project Number | J67722-XX3.A |
| Service Area | North |
| Location | O'Brien WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | McDonagh Demolition, Inc. |
| Estimated Construction Cost | \$350,000 |
| Contract Award Date | March 2023 |
| Substantial Completion Date | September 2023 |
| Project Description | The oil storage building will include explosion-proof safety measures to store oil and mineral spirits for lubrication and maintenance of various plant equipment. Material is currently being stored in the scum ejector chamber houses adjacent to the preliminary settling tanks, which were not designed to store such materials. |
| Project Justification | The project will provide an oil storage building that will improve safety by eliminating the storage of oil and mineral spirits in the scum houses. The new building will be designed for safe and proper storage of oil with associated spill containment. This will be a permanent structure with an expected lifespan of over 20 years. |
| Project Status | Design |



Restoration of the Walters Road Pumping Station, NSA

| | |
|------------------------------------|--|
| Project Number | J67722-XX4.A |
| Service Area | North |
| Location | Walters Road Pumping Station |
| Engineering Consultant | In-house design |
| Engineering Contractor | McDonagh Demolition, Inc. |
| Estimated Construction Cost | \$175,000 |
| Contract Award Date | March 2023 |
| Substantial Completion Date | September 2023 |
| Project Description | This project will rehabilitate the exterior facade of the Walters Road Pumping Station which was commissioned in 1963. The work includes addressing structural deficiencies while modernizing the look of the building to better integrate with the architecture and design of the surrounding residential neighborhood. |
| Project Justification | The Walters Road Pumping Station is in need of an exterior rehabilitation due to age and weather damage. The building is 60 years old, and rehabilitation of the exterior is necessary to prolong the useful life of the building and preserve its structural integrity. |
| Project Status | Design |



Install Access Road, HPWRP

Project Number J67722-XX5.A

Service Area North

Location Hanover Park WRP

Engineering Consultant In-house design

Engineering Contractor McDonagh Demolition, Inc.

Estimated Construction Cost \$175,000

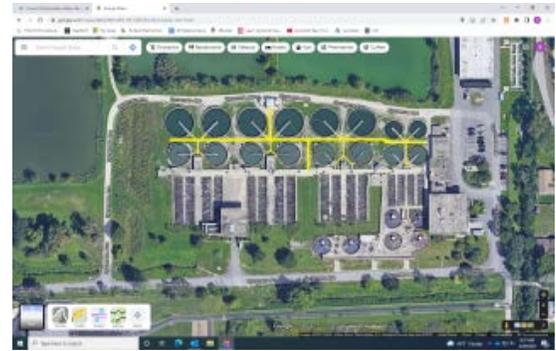
Contract Award Date June 2023

Substantial Completion Date December 2023

Project Description The contractor shall construct an asphalt access road and pathway (estimated 872 linear feet) of maximum 10-foot wide main path and four-foot wide access path around the primary and final settling clarifiers. Construction includes excavation, installation of pipes for cross drainage, re-grading the surrounding area to allow proper drainage, and replacing existing ground cover with geofabric.

Project Justification This project entails adding an access road network around the primary and final settling clarifiers, which includes four clusters of smaller paths to the tank bridges. The network is designed to improve daily operations by increasing the efficiency of sample collection and allowing access for both preventative maintenance and corrective action on the final and primary tanks. The pathways will also be useful when other construction projects in the area are underway.

Project Status Design



Slope Rehabilitation at the Gloria Alitto Majewski Reservoir, KWRP

Project Number J67722-XX6.A

Service Area North

Location The Gloria Alitto Majewski Reservoir

Engineering Consultant In-house design

Engineering Contractor McDonagh Demolition, Inc.

Estimated Construction Cost \$400,000

Contract Award Date January 2023

Substantial Completion Date December 2023



Project Description The project entails rehabilitating the slope surrounding the Gloria Alitto Majewski Reservoir and other nearby areas as identified by the Army Corps of Engineers.

Project Justification During the bi-annual Army Corps of Engineers' reservoir inspection, deficiencies with the geomembrane liner, slope stability, and ring road at the reservoir were identified. This project will replace deteriorated road concrete surrounding the interior of the reservoir and stabilize the slope sections directly adjacent to the road. The rehabilitation is necessary to restore the reservoir to a satisfactory condition.

Project Status Planning

Replace Air Compressor System, KWRP

Project Number J67722-XX7.A

Service Area North

Location Kirie WRP

Engineering Consultant In-house design

Engineering Contractor McDonagh Demolition, Inc.

Estimated Construction Cost \$300,000

Contract Award Date March 2023

Substantial Completion Date December 2023

Project Description This project entails furnishing, delivering, and installing an air compressor system at the Kirie WRP.

Project Justification Of the three high-pressure air compressors servicing the Kirie WRP, typically only one is available for service. These units are obsolete, and the replacement parts are either unavailable or uneconomical to purchase. The installation of the new equipment will provide continued availability of the compressed air system for the Kirie WRP.

Project Status Planning



Furnish, Deliver, and Install 480V Power Feeds to Aeration Batteries A, B, and C, CWRP

Project Number J68823-001.A

Service Area Calumet

Location Calumet WRP

Engineering Consultant In-house design

Engineering Contractor McDonagh Demolition, Inc.

Estimated Construction Cost \$250,000

Contract Award Date March 2023

Substantial Completion Date December 2023

Project Description This project entails furnishing, delivering, and installing two 480V power feeds to aeration batteries A, B, and C at the Calumet WRP.

Project Justification By design, the power feeds to aeration batteries A, B, and C share the same raceway or cable trough. The trough is integral to an adjacent tank that leaks, submerging the cables and splices, and creating a potential ground fault condition. This project will remedy that hazard.

Project Status Planning



Furnish, Deliver, and Install Automatic Transfer Switches, LWRP

Project Number J68823-002.A

Service Area Calumet

Location Lemont WRP

Engineering Consultant In-house design

Engineering Contractor McDonagh Demolition, Inc.

Estimated Construction Cost \$250,000

Contract Award Date March 2023

Substantial Completion Date December 2023



Project Description This project entails furnishing, delivering, and installing automatic transfer switches at the Lemont WRP.

Project Justification Power at the Lemont WRP is sourced by two Commonwealth Edison feeds. As this WRP is not staffed around the clock, it is essential that the automatic transfer switches are fully functioning so power is continuously maintained. In the event power is lost to one feed, the automatic transfer switch will sense the loss and transfer to the available source. Recently, the existing automatic transfer switch failed, resulting in the loss of sewage conveyance. This project will replace and upgrade the automatic transfer switches.

Project Status Planning

Roof Replacement, CWRP

Project Number J68823-003.A

Service Area Calumet

Location Building 29, Calumet WRP

Engineering Consultant In-house design

Engineering Contractor McDonagh Demolition, Inc.

Estimated Construction Cost \$425,000

Contract Award Date March 2023

Substantial Completion Date June 2023

Project Description The project provides roof replacement and includes the removal of roofing materials and debris from the existing roof, replacement of damaged decking and installation of new underlayment, ice and water shield, ridge capping, roof vents, roof coverings, and additional materials as needed.

Project Justification The existing roof is leaking and has damaged the interior walls of the storeroom. The roof structure has been examined and is beyond repair. A full replacement is necessary to prevent additional damage to the interior.

Project Status Design



50000 CONSTRUCTION FUND

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | | Cost | Percent |
|-------------------------|---|----------------------|----------------|
| 1. | COLLECTION FACILITIES: Pursue projects, such as the improvement of Tunnel and Reservoir Plan equipment at the Calumet WRP, which will reduce operation and maintenance costs and/or provide facility improvements. | \$ 1,940,100 | 3.8 % |
| 2. | TREATMENT FACILITIES: Pursue projects, such as the replacement of heating, ventilation, and air conditioning systems, District-wide and the construction of an arc flash blast wall at the O'Brien WRP, which will reduce operation and maintenance costs and/or provide facility improvements. | \$ 10,225,800 | 19.9 % |
| 3. | SOLIDS PROCESSING AND UTILIZATION FACILITIES: Pursue projects, such as railroad track improvements in the Stickney Service Area used to transport biosolids to the solids management areas, which will reduce costs and/or provide facility improvements. | \$ 10,511,000 | 20.4 % |
| 4. | FLOOD AND POLLUTION CONTROL: Provide funding for construction projects addressing flood control. | \$ 3,588,500 | 7.0 % |
| 5. | CONSTRUCTION FUND PROJECT COST: Provide funding for contracts awarded prior to 2023. | \$ 21,451,000 | 41.6 % |
| 6. | PROJECT SUPPORT: Development, design, and administration of current and future contracts, funding support, construction materials, and utility support services. | \$ 3,784,000 | 7.3 % |
| Totals | | \$ 51,500,400 | 100.0 % |

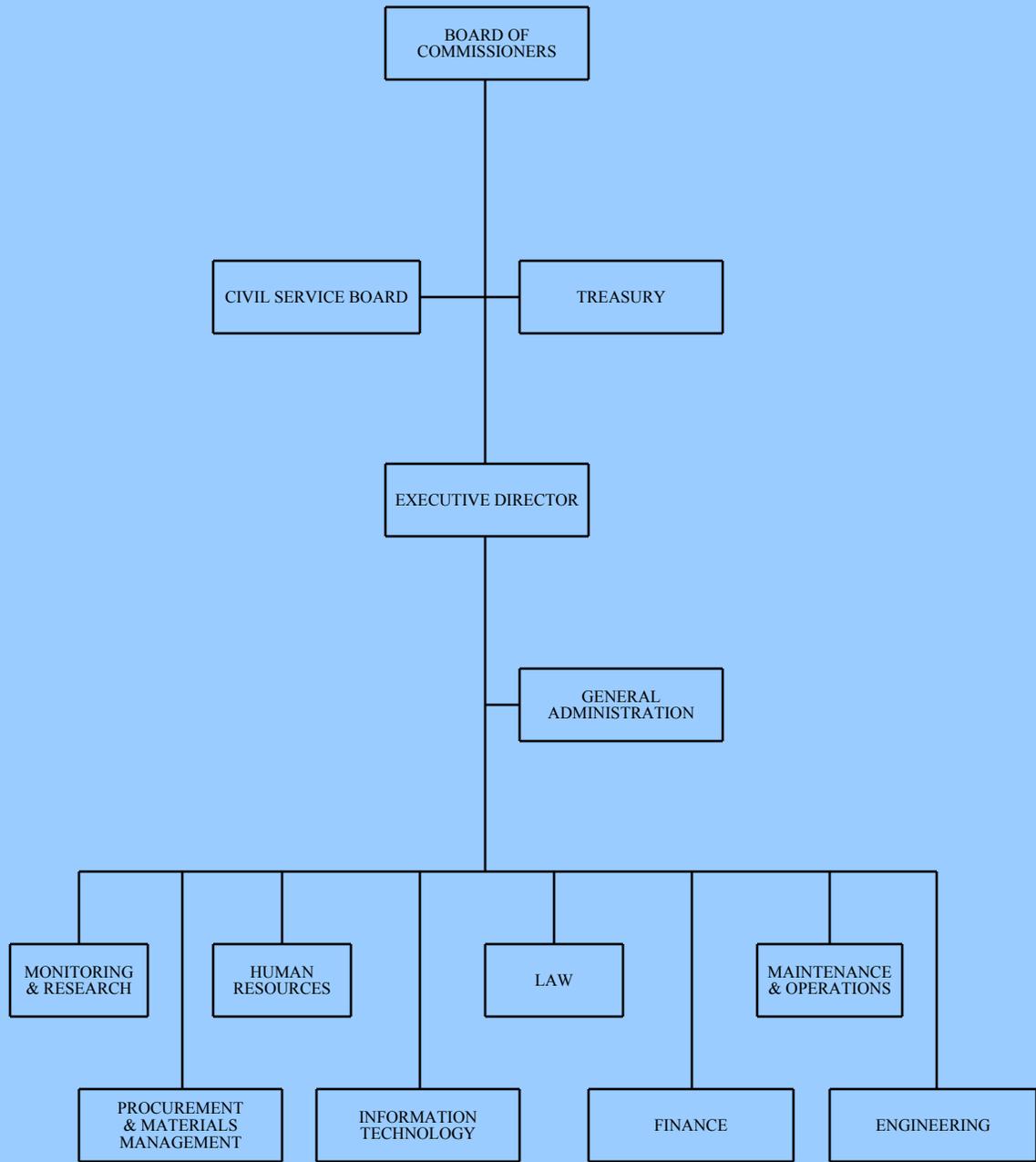
| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | |
|-----------------------|--|---------------------|----------|-----------------|---------------|---------|
| Number | Name | Actuals | FTEs | Dollars | Dollars | Percent |
| 1800 | Collection Construction | \$ 973,633 | 2023 | — \$ 1,940,100 | \$(1,777,100) | (47.8) |
| | | | 2022 | — \$ 3,717,200 | | |
| 2800 | Treatment Construction | \$ 3,552,472 | 2023 | — \$ 29,352,800 | \$20,677,100 | 238.3 |
| | | | 2022 | — \$ 8,675,700 | | |
| 2900 | Treatment Processes | \$ — | 2023 | — \$ — | \$ (163,000) | (100.0) |
| | | | 2022 | — \$ 163,000 | | |
| 3700 | Solids Processing Design | \$ — | 2023 | — \$ 504,000 | \$ 504,000 | 100.0 |
| | | | 2022 | — \$ — | | |
| 3800 | Solids Processing Construction | \$ 40,294 | 2023 | — \$ 9,307,000 | \$ 8,957,000 | 2,559.1 |
| | | | 2022 | — \$ 350,000 | | |
| 4207 | Centennial Fountain | \$ — | 2023 | — \$ 1,250,000 | \$ 1,250,000 | 100.0 |
| | | | 2022 | — \$ — | | |
| 4600 | Monitoring | \$ 269,327 | 2023 | — \$ 3,434,000 | \$ 1,684,000 | 96.2 |
| | | | 2022 | — \$ 1,750,000 | | |
| 4800 | Flood and Pollution Control Construction | \$ 840,585 | 2023 | — \$ 4,362,500 | \$ 1,480,000 | 51.3 |
| | | | 2022 | — \$ 2,882,500 | | |
| 5800 | Solids Utilization Construction | \$ 786,801 | 2023 | — \$ 1,000,000 | \$ (905,800) | (47.5) |
| | | | 2022 | — \$ 1,905,800 | | |
| 7284 | Store Operations and Issue | \$ 143,361 | 2023 | — \$ — | \$ — | — |
| | | | 2022 | — \$ — | | |
| 7460 | Main Office Building Complex Services | \$ 597,272 | 2023 | — \$ 350,000 | \$ (137,800) | (28.2) |
| | | | 2022 | — \$ 487,800 | | |
| Totals | | \$ 7,203,745 | 2023 | — \$ 51,500,400 | \$31,568,400 | 158.4 % |
| | | | 2022 | — \$ 19,932,000 | | |

Projects budgeted in the Construction Fund, a pay-as-you-go capital fund, are prioritized based on operational needs, design time frames, and available funding. Year-over-year variances in program area budgets are the result of project timing within the five-year capital planning cycle.

| 201 50000 | Fund: Construction Department: Engineering | LINE ITEM ANALYSIS | | | | | | |
|--------------------------------|---|---------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 612240 | Testing and Inspection Services | \$ 69,624 | \$ 225,000 | \$ 225,000 | \$ 135,200 | \$ 250,000 | \$ 250,000 | \$ 250,000 |
| 612400 | Intergovernmental Agreements | 65,500 | 4,411,200 | 4,011,200 | — | 4,716,900 | 4,938,700 | 4,938,700 |
| 612430 | Payments for Professional Services | 203,827 | 750,000 | 750,000 | 345,000 | 910,000 | 910,000 | 950,000 |
| 612440 | Preliminary Engineering Reports and Studies | — | 163,000 | 163,000 | — | — | — | — |
| 612450 | Professional Engineering Services for Construction Projects | — | — | 400,000 | 400,000 | 400,000 | 400,000 | 1,404,000 |
| 200 | TOTAL CONTRACTUAL SERVICES | 338,951 | 5,549,200 | 5,549,200 | 880,200 | 6,276,900 | 6,498,700 | 7,542,700 |
| 634650 | Equipment for Process Facilities | 61,420 | — | — | — | — | — | — |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 61,420 | — | — | — | — | — | — |
| 645650 | Process Facilities Structures | 458,601 | 1,000,000 | 3,278,900 | 500,000 | 16,879,900 | 16,879,900 | 27,136,900 |
| 645680 | Buildings | 740,632 | 787,800 | 1,351,000 | 693,100 | 1,875,000 | 1,875,000 | 1,835,000 |
| 645700 | Preservation of Collection Facility Structures | 1,814,218 | 4,060,000 | 2,253,800 | 1,141,500 | 2,945,000 | 2,945,000 | 1,943,300 |
| 645720 | Preservation of Waterway Facility Structures | — | 262,500 | — | — | 1,512,500 | 1,512,500 | 1,512,500 |
| 645750 | Preservation of Process Facility Structures | 1,256,535 | 3,490,700 | 3,120,700 | 2,001,300 | 4,785,000 | 4,905,000 | 4,905,000 |
| 645780 | Preservation of Buildings | 1,746,587 | 2,177,400 | 2,177,400 | 1,675,200 | 6,812,500 | 6,812,500 | 5,625,000 |
| 645790 | Preservation of Capital Projects, N.O.C. | 786,801 | 2,604,400 | 2,201,000 | 614,800 | 1,000,000 | 1,000,000 | 1,000,000 |
| 500 | TOTAL CAPITAL PROJECTS | 6,803,374 | 14,382,800 | 14,382,800 | 6,625,900 | 35,809,900 | 35,929,900 | 43,957,700 |
| TOTAL CONSTRUCTION FUND | | \$ 7,203,745 | \$ 19,932,000 | \$ 19,932,000 | \$ 7,506,100 | \$ 42,086,800 | \$ 42,428,600 | \$ 51,500,400 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

NOTE PAGE



CAPITAL IMPROVEMENTS BOND FUND

Fund Summary

The Capital Improvements Bond Fund is used when acquiring an asset that meets the definition of a capital asset: the cost typically exceeds \$500,000 and generally, the useful life will be at least 20 years. Capital projects pursued by the Engineering Department are: (a) preservation/rehabilitation of existing infrastructure to maintain service levels, (b) improvement of environmental quality, or (c) commitment to community through process optimization. The Capital Improvements Bond Fund is funded by the sale of bonds and receipt of loans from the Illinois Environmental Protection Agency and State Revolving Loan Fund. The use of these funds is governed by state statutes and federal guidelines.

Summary of 2022 Major Accomplishments

- In support of the Strategic Plan initiative of maintaining a high level of permit compliance as requirements evolve, the District awarded contract 19-159-3P, Chemical Addition Backup System, SWRP, for chemical phosphorus removal facilities at the Stickney WRP;
- In support of the Strategic Plan initiative of monitoring and continuing to reduce combined sewer overflows into area waterways, the District awarded contracts related to completion of the Tunnel and Reservoir Plan (TARP), including:
 - 17-131-4FR, McCook Reservoir Rock Wall Stabilization and Geotechnical Instrumentation, SSA, Rebid
 - 21-260-4H, Thornton Rock Dam Treatment and Geotechnical Instrumentation, CSA;
- In support of the Strategic Plan initiative of managing assets to maintain optimal performance and long-term sustainability, the District awarded contracts for the rehabilitation of intercepting sewers and other collection system improvements, replacement of a force main that conveys sludge from the O'Brien WRP to the Stickney WRP, structural improvements at the O'Brien WRP, and process facilities improvements at various locations, including:
 - 07-027-3SR, North Side Sludge Pipeline Replacement - Section 1, NSA, Rebid
 - 15-069-3D, Rehabilitation of Steel Spandrel Beams of Pump and Blower House, OWRP
 - 18-702-31, Furnish, Deliver, and Install Disc Filters at the Egan Water Reclamation Plant
 - 20-859-3SR, Drop Shaft Modifications and Collection Facilities Work, NSA
 - 21-262-3S, Calumet 18E Relief Connecting Structure and Sewer Work, CSA
 - 21-603-31, Sludge Pumping Improvements, Various Locations;
- Continuing its efforts to perform condition assessments of roofs, pumping stations, roads, and concrete structures located at treatment plants and to prepare contracts for rehabilitation as required, the District awarded contract 17-135-3V, Roof Replacement of the Lue-Hing M&R Complex, SWRP.

2023 Appropriation

The 2023 appropriation for the Capital Improvements Bond Fund is \$374,610,900, an increase of \$80,667,400, or 27.4 percent, from 2022. There are no staff positions budgeted in the Capital Improvements Bond Fund. The 2023 appropriation includes construction costs for capital projects to be awarded in 2023 in the amount of \$343.4 million, including funding for stormwater management capital projects. The remaining \$31.3 million includes funding for the acquisition of easements, bond issuance costs, allowances for contract change orders, and legal and other support services relating to capital projects.

2023 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Resource Management. The initiatives highlighted below illustrate how the District is maintaining a high level of performance on the core mission of protecting the public health and area waterways while pursuing opportunities to recover, reuse, and monetize resources.

Maintain a high level of permit compliance as requirements evolve

- To comply with the requirements of the National Pollutant Discharge Elimination System permit for the O'Brien WRP, the District will award contract 21-091-3P, Phosphorus Removal Modifications to Battery D, OWRP, for modifications to facilitate sidestream enhanced biological phosphorus removal;
- Award contract 20-160-4H, TARP Mainstream Dropshaft DS-M73E at Armitage Avenue, SSA, for the construction of an additional dropshaft to minimize combined sewer overflows at three combined sewer outfalls located on the east bank of the Chicago River between Webster Avenue and McLean Avenue.

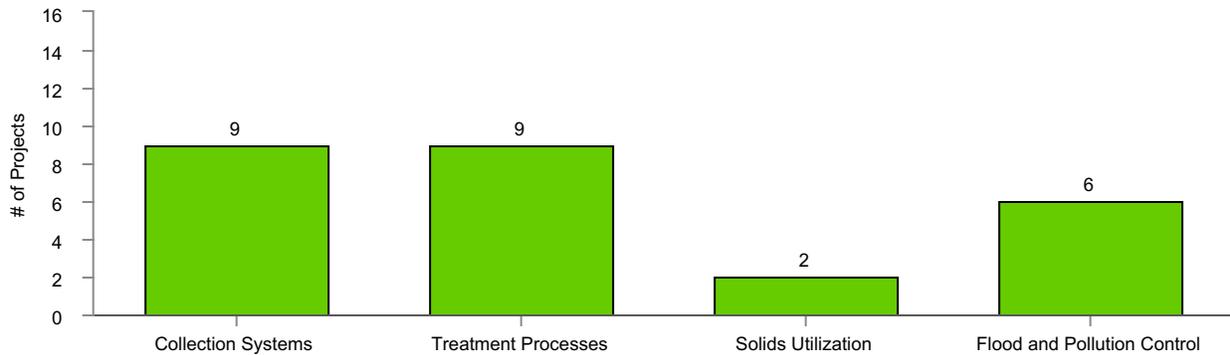
Manage assets to maintain optimal performance and long-term sustainability

- Award seven contracts for the rehabilitation of intercepting sewers, with an estimated construction cost of \$143.3 million:
 - 01-103-AS, 39th Street Conduit Rehabilitation - Phase II, SSA
 - 06-360-3SR, Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA, Rebid
 - 10-047-3S, North Shore 1 Rehabilitation, NSA
 - 11-404-3S, Upper Des Plaines Intercepting Sewer 11D, Ext. C Rehabilitation, NSA
 - 12-369-3S, Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA
 - 20-161-3S, Salt Creek 3 Intercepting Sewer Rehabilitation, SSA

- 20-162-3S, West Side Intercepting Sewer No. 2 Rehabilitation, SSA;
- Award four contracts for improvements to process facilities and mechanical equipment, with an estimated construction cost of \$58.6 million:
 - 18-148-3P, Digester Rehabilitation and Gas Piping Replacement Phase II, SWRP
 - 19-155-3M, Boilers 3, 4, 5 and MCC Replacement, SWRP
 - 22-601-31, Mechanical Process Improvements, Various Locations
 - 22-801-31, Installation of Shaftless Screw Conveyors for Aerated Grit Tanks, CWRP;
- Award one contract for the construction of a relief sewer that will reduce the frequency of combined sewer overflow events to Addison Creek, with an estimated construction cost of \$3.5 million:
 - 21-168-3S, Westchester Pumping Station Relief Sewer, SSA;
- Award two contracts for the modernization of control systems, with an estimated construction cost of \$28.0 million:
 - 19-855-3E, Lockport Powerhouse and Waterways Control System Replacement, SSA
 - 19-856-3E, TARP Control System Replacement, SSA, CSA, NSA;
- Continue the Engineering Department’s 30-year program to rehabilitate concrete structures, roofs, pumps, roads, and outlying stations to ensure the continued reliability and longevity of its facilities for the next 100 years. Six contracts are to be awarded in support of this program, with an estimated construction cost of \$69.8 million:
 - 08-174-3D, Battery A Improvements and Battery B Installation of Mechanical Mixers, SWRP
 - 16-127-3DR, A/B and C/D Service Tunnel Rehabilitation - Phase III, SWRP, Rebid
 - 17-843-3D, Utility Tunnel Cracks and Expansion Joints Rehabilitation, OWRP, KWRP, EWRP, HPWRP
 - 19-083-3P, Upgrade Wilmette Lift Station, NSA
 - 22-094-3D, Rehabilitation of Elevated Deck and Boat Dock at North Branch Pumping Station, NSA
 - 23-902-31, Pavement Rehabilitation, LASMA

In 2023, there are 26 projects scheduled for award in the Capital Improvements Bond Fund. In the exhibit below, the breakdown by program is displayed.

Capital Improvements Bond Fund Projects Scheduled for 2023 Award



Capital Improvements Bond Fund Program

Awards in 2023

| Project Name | Project Number | Est. Construction Cost | Duration (days) | Est. Award Date |
|---|------------------|------------------------|-----------------|-----------------|
| Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA, Rebid | 06-360-3SR | \$ 30,000 | 1,003 | Jan 2023 |
| A/B and C/D Service Tunnel Rehabilitation - Phase III, SWRP, Rebid | 16-127-3DR | 25,100 | 1,063 | Jan 2023 |
| Pavement Rehabilitation, LASMA | 23-902-31 | 8,100 | 727 | Jan 2023 |
| TARP Mainstream Dropshaft DS-M73E at Armitage Avenue, SSA | 20-160-4H | 12,600 | 353 | Feb 2023 |
| Phosphorus Removal Modifications to Battery D, OWRP | 21-091-3P | 14,000 | 352 | Mar 2023 |
| Rehabilitation of Elevated Deck and Boat Dock at North Branch Pumping Station, NSA | 22-094-3D | 7,000 | 352 | Apr 2023 |
| Battery A Improvements and Battery B Installation of Mechanical Mixers, SWRP | 08-174-3D | 24,000 | 693 | May 2023 |
| Upper Des Plaines Intercepting Sewer 11D, Ext. C Rehabilitation, NSA | 11-404-3S | 11,500 | 403 | May 2023 |
| Digester Rehabilitation and Gas Piping Replacement Phase II, SWRP | 18-148-3P | 25,500 | 1,779 | May 2023 |
| Boilers 3, 4, 5 and MCC Replacement, SWRP | 19-155-3M | 15,500 | 865 | May 2023 |
| Furnish, Deliver, and Install Replacement Gearboxes at SEPA Stations Phase II, CSA | 23-801-31 | 3,200 | 585 | May 2023 |
| 39th Street Conduit Rehabilitation - Phase II, SSA | 01-103-AS | 45,400 | 684 | Jun 2023 |
| Upgrade Wilmette Lift Station, NSA | 19-083-3P | 1,500 | 323 | Jun 2023 |
| TARP Control System Replacement, SSA, CSA, NSA | 19-856-3E | 25,000 | 870 | Jun 2023 |
| Construction Trailer and Modifications of Supports for Raw Sewage Pump Discharge Pipes, KWRP | 22-377-3D | 1,500 | 352 | Jun 2023 |
| Mechanical Process Improvements, Various Locations | 22-601-31 | 13,000 | 1,195 | Jun 2023 |
| Fox River Water Reclamation District (FRWRD) Grit Tank and Primary Clarifiers (1-4) Replacement | 21-IGA-22 | 5,611 | 1,025 | Jul 2023 |
| North Shore 1 Rehabilitation, NSA | 10-047-3S | 32,650 | 953 | Aug 2023 |
| Salt Creek 3 Intercepting Sewer Rehabilitation, SSA | 20-161-3S | 13,350 | 853 | Aug 2023 |
| Utility Tunnel Cracks and Expansion Joints Rehabilitation, OWRP, KWRP, EWRP, HPWRP | 17-843-3D | 4,100 | 683 | Sep 2023 |
| Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA | 12-369-3S | 7,750 | 403 | Oct 2023 |
| Lockport Powerhouse and Waterways Control System Replacement, SSA | 19-855-3E | 3,000 | 393 | Oct 2023 |
| Installation of Shaftless Screw Conveyors for Aerated Grit Tanks, CWRP | 22-801-31 | 4,600 | 607 | Oct 2023 |
| Westchester Pumping Station Relief Sewer, SSA | 21-168-3S | 3,500 | 354 | Nov 2023 |
| West Side Intercepting Sewer No. 2 Rehabilitation, SSA | 20-162-3S | 2,600 | 376 | Dec 2023 |
| Total 2023 Awards | | \$ 340,061 | | |

Projects Under Construction

Projects under construction in the Capital Improvements Bond Fund were appropriated in prior years using the full encumbrance (obligation) method of budgetary accounting. The construction contract award amount and the full project duration are provided in this table.

| Project Name | Project Number | Est. Construction Cost | Duration (days) | Award Date |
|--|-------------------|------------------------|-----------------|------------|
| Replacement of Tailrace Stop Logs, Headrace Gates, and Equipment at Lockport Powerhouse, SSA | 15-830-3D | \$ 13,243 | 1,422 | Jun 2019 |
| Odor Control Facilities at Sludge Concentration, Southwest Coarse Screen, Overhead Weir, & Post-Centrifuge Building, SWRP, Rebid | 17-134-3MR | 17,024 | 1,293 | Sep 2019 |
| Furnish, Deliver, and Install Three Bar Screens, KWRP | 18-703-31 | 1,940 | 818 | Mar 2021 |
| Rehabilitation of TARP Pumps, MSPS | 18-144-3M | 23,383 | 1,655 | Apr 2021 |
| Furnish, Deliver, and Install Replacement Gearboxes at SEPA Stations, CSA | 20-801-31 | 1,898 | 908 | May 2021 |
| Furnish, Deliver, and Install Coarse Screens, SWRP | 20-903-31 | 4,374 | 1,321 | May 2021 |
| Decommissioning the Thornton Transitional Reservoir, CSA, Rebid | 15-266-4H5 | 25,314 | 630 | Nov 2021 |
| Central Boiler Facility and Electrical Updates, HPWRP, Rebid | 19-542-3MR | 13,760 | 1,094 | Nov 2021 |
| Chemical Addition Backup System, SWRP | 19-159-3P | 7,940 | 641 | Feb 2022 |
| McCook Reservoir Rock Wall Stabilization and Geotechnical Instrumentation, SSA, Rebid | 17-131-4FR | 14,980 | 345 | Mar 2022 |
| Furnish, Deliver, and Install Disc Filters at the Egan Water Reclamation Plant | 18-702-31 | 8,895 | 762 | Mar 2022 |
| Thornton Rock Dam Treatment and Geotechnical Instrumentation, CSA | 21-260-4H | 5,995 | 390 | Mar 2022 |
| Rehabilitation of Steel Spandrel Beams of Pump and Blower House, OWRP | 15-069-3D | 21,730 | 1,125 | Apr 2022 |
| Sludge Pumping Improvements, Various Locations | 21-603-31 | 8,175 | 1,108 | Apr 2022 |
| North Side Sludge Pipeline Replacement - Section 1, NSA, Rebid | 07-027-3SR | 27,120 | 917 | Jun 2022 |
| Drop Shaft Modifications and Collection Facilities Work, NSA | 20-859-3SR | 3,158 | 353 | Nov 2022 |
| Roof Replacement of the Lue-Hing M&R Complex, SWRP | 17-135-3V | 10,909 | 670 | Dec 2022 |
| Calumet 18E Relief Connecting Structure and Sewer Work, CSA | 21-262-3S | 2,818 | 354 | Dec 2022 |
| Total Projects Under Construction | | \$ 212,656 | | |

Projects Under Development

| Project Name | Project Number | Est. Construction Cost | Duration (days) | Est. Award Date |
|---|----------------|------------------------|-----------------|-----------------|
| Low Voltage Pump & Blower Switchgear and Aerated Grit MCC Replacement, SWRP | 19-156-3E | \$ 6,750 | 493 | Feb 2024 |
| Rehabilitation of Pump and Blower House, CWRP | 19-255-3D | 4,000 | 503 | Mar 2024 |
| Phosphorus Removal, KWRP | 19-375-3P | 6,500 | 453 | Mar 2024 |
| Chemical Phosphorus Removal, OWRP | 20-087-3P | 14,000 | 705 | Mar 2024 |
| Fermentation and Ancillary Facilities for Biological Phosphorus Removal Phase I, OWRP | 20-085-3P | 30,000 | 803 | Apr 2024 |
| 6th Street Construction and Utility Tunnel Rehabilitation and Various Roof Replacements, CWRP | 19-257-3D | 3,100 | 324 | Jun 2024 |
| Gate Control Equipment Upgrade at TARP Control Structures, KWRP, NSA | 06-358-3M | 2,200 | 554 | Nov 2024 |
| Rehabilitation of Locomotive Terminal Building, SWRP | 18-143-3D | 2,750 | 533 | Nov 2024 |
| Digester Rehabilitation and Gas Piping Replacement, CWRP | 18-253-3P | 15,000 | 783 | Nov 2024 |
| Low Voltage Switchgear Replacement, MSPS | 19-154-3E | 9,000 | 453 | Jan 2025 |
| Fermentation and Ancillary Facilities for Biological Phosphorus Removal, CWRP | 12-245-3P | 6,000 | 1,097 | Apr 2025 |
| Battery E Activated Sludge Facility, OWRP | 21-092-3P | 260,000 | 981 | Jun 2025 |
| Switchgear and MCC Replacement, CWRP | 19-258-3E | 23,000 | 635 | Sep 2025 |
| Plant Improvements, HPWRP | 18-540-3P | 20,000 | 683 | Dec 2025 |
| Digester Rehabilitation and Gas Piping Replacement Phase II, CWRP | 19-256-3P | 10,000 | 673 | Jan 2026 |
| Digester Rehabilitation, HPWRP | 19-541-3P | 6,000 | 513 | Jan 2026 |
| Battery B Final Settling Tanks, Rehabilitation of Concrete, SWRP | 16-128-3D | 5,000 | 513 | Feb 2026 |
| Additional Grit Removal Tank and Construction of New Plant Entrance, LWRP | 19-717-3P | 6,000 | 553 | May 2026 |
| Decommissioning of Battery B & C Imhoff Tanks and Skimming Tanks 9-16, SWRP | 19-152-3P | 10,000 | 513 | Jul 2026 |
| Battery C Final Settling Tanks, Rehabilitation of Concrete, SWRP | 16-129-3D | 3,000 | 513 | Sep 2026 |
| Gravity Belt Thickener Installation and Building Rehabilitation, CWRP | 22-263-3P | 20,000 | 352 | Sep 2026 |
| Gloria Alitto Majewski Reservoir Rehabilitation, NSA | 22-376-3P | 25,000 | 352 | Sep 2026 |
| Fermentation and Ancillary Facilities for Biological Phosphorus Removal Phase II, OWRP | 20-086-3P | 30,000 | 355 | Dec 2026 |
| Total Future Awards | | \$ 517,300 | | |
| Cumulative 2023 and Future Awards | | \$ 857,361 | | |

Note: All cost figures are in thousands of dollars; inflation factor is 0 percent.

Bold type indicates projects to be financed by "Unlimited Tax Bonds."

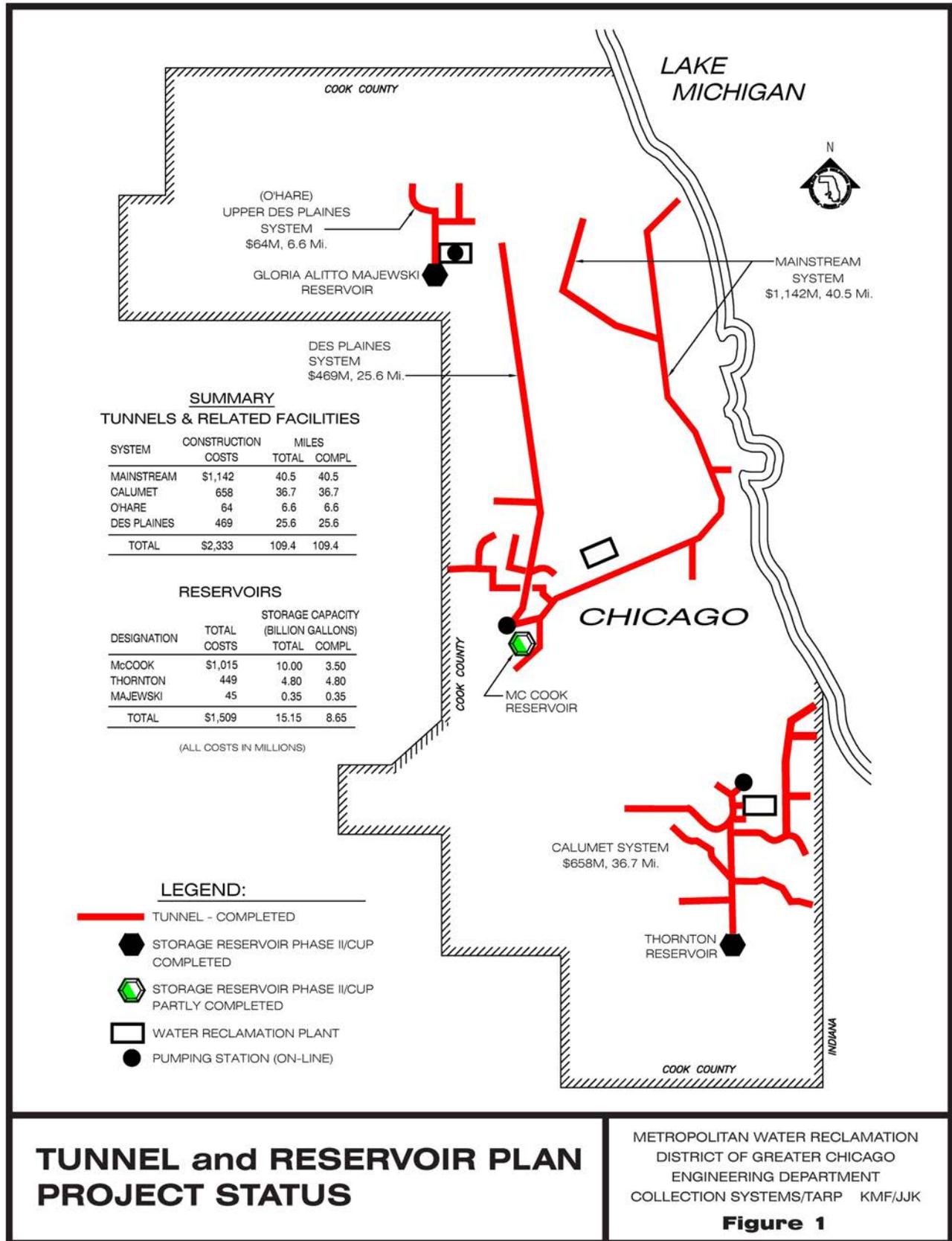
TARP PHASE II PROJECT COSTS

Phase I of TARP was completed in 2006 and two of the Phase II reservoirs, Majewski and Thornton, are now fully operational. Stage 1 of the McCook Reservoir became operational in December 2017 and Stage 2 will continue to be mined with completion scheduled for 2029. Though only partially complete, TARP has already been effective in reducing pollution and flooding. The Phase II Reservoir project costs are shown in the table below.

| Project Name | Project Number | Design/Construction Status | Project Costs (4) | Funded by Army Corps of Engineers |
|---|----------------|---|-------------------|-----------------------------------|
| Majewski Reservoir | | | | |
| I - Army Corps of Engineers Contracts | 73-315-2S | Construction completed in 1998 | \$40,819,000 | 75% |
| II - Betterments (1) | 93-339-2F | Construction completed in 1998 | \$3,992,000 | No |
| Thornton Reservoir | | | | |
| I - Vincennes Avenue Relocation | 77-235-AF | Construction completed in 2001 | \$4,398,000 | See Note (3) |
| II - Transitional Reservoir GW Monitoring Wells | 77-235-CF | Construction completed in 2002 | \$529,000 | |
| III - Transitional Reservoir (2) | 77-235-BF | Construction completed in 2003 | \$54,707,000 | |
| IV - Mining, Land, and Corps Costs | 77-235-2F | Mining completed in 2013 | \$65,210,000 | |
| V - Tollway Dam and Grout Curtain | 04-201-4F | Construction completed in 2015 | \$80,750,000 | |
| VI - TARP Inlet/Outlet Tunnels and Gates | 04-202-4F | Construction completed in 2015 | \$147,000,000 | |
| VII - Final Reservoir Preparation | 04-203-4F | Construction completed in 2015 | \$63,479,000 | |
| VIII - Surface Aeration | 04-203-AF | Construction completed in 2017 | \$1,921,000 | |
| IX - Decommissioning TTR | 15-266-4H5 | Construction to be completed in 2023 | \$25,314,000 | |
| X - Rock Dam Treatment | 21-260-4H | Construction to be completed in 2023 | \$5,995,000 | |
| McCook Reservoir | | | | |
| I - Stages 1 and 2 - Army Corps of Engineers Contracts | 73-161-2H | Reservoir constructed under several contracts | \$615,937,000 | 75% |
| II - Site Preparation, Lagoons 1-10 | 73-161-BH | Construction completed in 2000 | \$889,000 | \$307,000 Credited |
| III - 73rd Street Tunnel Relocation | 97-156-2H | Construction completed in 2002 | \$15,132,000 | Credited |
| IV - Willow Springs Berm | 96-249-2P | Construction completed in 2002 | \$3,593,000 | No |
| V - Vulcan Primary Crusher Furnish and Deliver | PO3030920 | Crusher purchased in 2005 | \$1,626,000 | No |
| VI - Conveyance Tunnel | 73-161-AH | Construction completed in 2006 | \$5,428,000 | No |
| VII - Vulcan Mining Trucks and Loaders | 73-161-HH | Vehicles delivered in 2007 | \$11,105,000 | No |
| VIII - Vulcan Miscellaneous Mining Vehicles | 73-161-GH | Vehicles delivered in 2007 and 2008 | \$4,989,000 | No |
| IX - Conveyance System and Maintenance Facilities | 73-161-FH | Construction completed in 2008 | \$32,381,000 | \$1.84M Credited |
| X - LASMA Overburden Removal | 73-161-CH | Construction completed in 2010 | \$66,316,000 | No |
| XI - Vulcan Rock Mining Hard Costs Less Royalty | 73-161-EH | Mining underway | \$75,065,000 | No |
| XII - Stage 2 Miscellaneous Overburden Removal | 73-161-JH | Construction completed in 2012 | \$6,510,000 | No |
| XIII - Expanded Stage 2 Overburden Removal | 73-161-DH | Construction completed in 2016 | \$18,743,000 | No |
| XIV - Des Plaines Inflow Tunnel | 13-106-4F | Under Construction | \$107,956,000 | No |
| XV - Expanded Stage 2 Slope Stabilization | 16-125-4F | Construction completed in 2019 | \$8,897,000 | No |
| XVI - McCook Reservoir Rock Wall Stabilization and Geotechnical Instrumentation | 17-131-4FR | Under Construction | \$14,980,000 | 53% |
| XVII - McCook Reservoir Stage 2 Final Reservoir Prep | 17-132-4F | Future | \$24,796,000 | 69% |
| XVIII - Professional Services for Geotechnical Work with McCook & Thornton Reservoirs | 19-151-4C | Underway | \$1,000,000 | 75% |
| Total Project Cost | | | \$1,509,457,000 | |

Notes:

- (1) Betterment includes a control building, reservoir outflow control gates, and monitoring system.
- (2) Cost shown is the total cost of the Transitional Reservoir. Facilities that will be re-used for the Thornton Composite Reservoir account for \$30,337,000 of the cost.
- (3) The District designed and constructed the Thornton Composite Reservoir in anticipation of receiving reimbursement or credits from the Army Corps of Engineers. To date, the District has received reimbursements totaling \$12,000,000.
- (4) Includes land, engineering, and construction costs.



TUNNEL and RESERVOIR PLAN PROJECT STATUS

METROPOLITAN WATER RECLAMATION
DISTRICT OF GREATER CHICAGO
ENGINEERING DEPARTMENT
COLLECTION SYSTEMS/TARP KMF/JJK

Figure 1

CAPITAL PROJECTS LISTED BY SERVICE AREA - CAPITAL IMPROVEMENTS BOND FUND

The following is a list of capital projects within the District’s three major service areas. They are presented by their association with a water reclamation plant (WRP) and by their completion status: projects for 2023 award, under construction, or under development.

Bold type indicates projects to be financed by "Unlimited Tax Bonds."

**STICKNEY
SERVICE
AREA (SSA)**

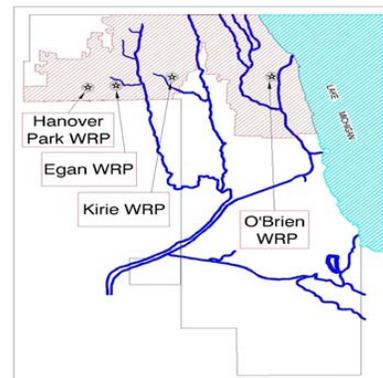


Stickney Water Reclamation Plant (SWRP)

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|------------------------------------|--|--|--|
| Projects for 2023 Award | | | |
| 01-103-AS | 39th Street Conduit Rehabilitation - Phase II, SSA | | \$ 45,400,000 |
| 08-174-3D | Battery A Improvements and Battery B Installation of Mechanical Mixers, SWRP | | 24,000,000 |
| 11-187-3F | ^* Addison Creek Channel Improvements, SWRP | | 3,290,147 |
| 16-127-3DR | A/B and C/D Service Tunnel Rehabilitation - Phase III, SWRP, Rebid | | 25,100,000 |
| 18-148-3P | Digester Rehabilitation and Gas Piping Replacement Phase II, SWRP | | 25,500,000 |
| 19-155-3M | Boilers 3, 4, 5 and MCC Replacement, SWRP | | 15,500,000 |
| 19-855-3E | Lockport Powerhouse and Waterways Control System Replacement, SSA | | 3,000,000 |
| 19-856-3E | TARP Control System Replacement, SSA, CSA, NSA | | 25,000,000 |
| 20-160-4H | TARP Mainstream Dropshaft DS-M73E at Armitage Avenue, SSA | | 12,600,000 |
| 20-161-3S | Salt Creek 3 Intercepting Sewer Rehabilitation, SSA | | 13,350,000 |
| 20-162-3S | West Side Intercepting Sewer No. 2 Rehabilitation, SSA | | 2,600,000 |
| 21-168-3S | Westchester Pumping Station Relief Sewer, SSA | | 3,500,000 |
| 23-902-31 | Pavement Rehabilitation, LASMA | | 8,100,000 |
| | | Total | \$ 206,940,147 |
| Projects Under Construction | | | |
| 11-186-3F | ^* Addison Creek Reservoir, SSA | 03/23 | \$ 77,558,741 |
| 13-199-3F | ^* Lyons and McCook Levee Improvements, SSA | 11/23 | 1,358,335 |
| 14-263-3F | ^ Melvina Ditch Reservoir Improvements, SSA | 03/23 | 16,527,113 |
| 15-830-3D | Replacement of Tailrace Stop Logs, Headrace Gates, and Equipment at Lockport Powerhouse, SSA | 04/23 | 13,242,828 |
| 17-131-4FR | McCook Reservoir Rock Wall Stabilization and Geotechnical Instrumentation, SSA, Rebid | 02/23 | 14,980,000 |
| 17-134-3MR | Odor Control Facilities at Sludge Concentration, Southwest Coarse Screen, Overhead Weir, & Post-Centrifuge Building, SWRP, Rebid | 03/23 | 17,023,901 |
| 17-135-3V | Roof Replacement of the Lue-Hing M&R Complex, SWRP | 10/24 | 10,909,000 |
| 18-144-3M | Rehabilitation of TARP Pumps, MSPS | 10/25 | 23,383,036 |

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|--|---|--|--|
| Projects Under Construction (continued) | | | |
| 19-159-3P | Chemical Addition Backup System, SWRP | 11/23 | \$ 7,940,000 |
| 20-903-31 | Furnish, Deliver, and Install Coarse Screens, SWRP | 12/24 | 4,374,000 |
| 21-603-31 | Sludge Pumping Improvements, Various Locations | 04/25 | 8,174,996 |
| Total | | | \$ 195,471,950 |
| Projects Under Development | | | |
| 16-128-3D | Battery B Final Settling Tanks, Rehabilitation of Concrete, SWRP | | \$ 5,000,000 |
| 16-129-3D | Battery C Final Settling Tanks, Rehabilitation of Concrete, SWRP | | 3,000,000 |
| 18-143-3D | Rehabilitation of Locomotive Terminal Building, SWRP | | 2,750,000 |
| 19-152-3P | Decommissioning of Battery B & C Imhoff Tanks and Skimming Tanks 9-16, SWRP | | 10,000,000 |
| 19-154-3E | Low Voltage Switchgear Replacement, MSPS | | 9,000,000 |
| 19-156-3E | Low Voltage Pump & Blower Switchgear and Aerated Grit MCC Replacement, SWRP | | 6,750,000 |
| Total | | | \$ 36,500,000 |
| Stickney Service Area Grand Total | | | \$ 438,912,097 |

**NORTH
SERVICE
AREA (NSA)**



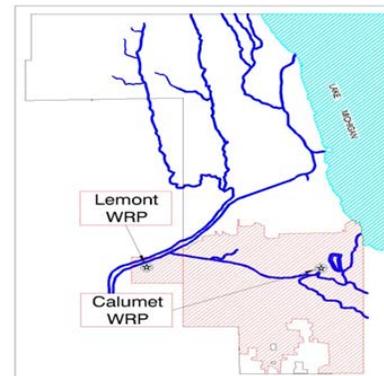
**Terrence J. O'Brien Water Reclamation Plant (OWRP)
John E. Egan Water Reclamation Plant (EWRP)
James C. Kirie Water Reclamation Plant (KWRP)
Hanover Park Water Reclamation Plant (HPWRP)**

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|------------------------------------|---|--|--|
| Projects for 2023 Award | | | |
| 06-360-3SR | Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA, Rebid | | \$ 30,000,000 |
| 10-047-3S | North Shore 1 Rehabilitation, NSA | | 32,650,000 |
| 11-404-3S | Upper Des Plaines Intercepting Sewer 11D, Ext. C Rehabilitation, NSA | | 11,500,000 |
| 12-369-3S | Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA | | 7,750,000 |
| 17-843-3D | Utility Tunnel Cracks and Expansion Joints Rehabilitation, OWRP, KWRP, EWRP, HPWRP | | 4,100,000 |
| 19-083-3P | Upgrade Wilmette Lift Station, NSA | | 1,500,000 |
| 21-091-3P | Phosphorus Removal Modifications to Battery D, OWRP | | 14,000,000 |
| 21-IGA-22 | Fox River Water Reclamation District (FRWRD) Grit Tank and Primary Clarifiers (1-4) Replacement | | 5,611,000 |
| 22-094-3D | Rehabilitation of Elevated Deck and Boat Dock at North Branch Pumping Station, NSA | | 7,000,000 |
| 22-377-3D | Construction Trailer and Modifications of Supports for Raw Sewage Pump Discharge Pipes, KWRP | | 1,500,000 |
| 22-601-31 | Mechanical Process Improvements, Various Locations | | 13,000,000 |
| | | Total | \$ 128,611,000 |
| Projects Under Construction | | | |
| 07-027-3SR | North Side Sludge Pipeline Replacement - Section 1, NSA, Rebid | 12/24 | \$ 27,120,000 |
| 15-069-3D | Rehabilitation of Steel Spandrel Beams of Pump and Blower House, OWRP | 05/25 | 21,730,000 |
| 18-702-31 | Furnish, Deliver, and Install Disc Filters at the Egan Water Reclamation Plant | 04/24 | 8,895,000 |
| 18-703-31 | Furnish, Deliver, and Install Three Bar Screens, KWRP | 06/23 | 1,940,000 |
| 19-542-3MR | Central Boiler Facility and Electrical Updates, HPWRP, Rebid | 11/24 | 13,760,000 |
| 20-859-3SR | Drop Shaft Modifications and Collection Facilities Work, NSA | 11/23 | 3,158,000 |
| | | Total | \$ 76,603,000 |
| Projects Under Development | | | |
| 06-358-3M | Gate Control Equipment Upgrade at TARP Control Structures, KWRP, NSA | | \$ 2,200,000 |
| 18-540-3P | Plant Improvements, HPWRP | | 20,000,000 |
| 19-375-3P | Phosphorus Removal, KWRP | | 6,500,000 |
| 19-541-3P | Digester Rehabilitation, HPWRP | | 6,000,000 |
| 20-085-3P | Fermentation and Ancillary Facilities for Biological Phosphorus Removal Phase I, OWRP | | 30,000,000 |

Terrence J. O'Brien Water Reclamation Plant (OWRP)
John E. Egan Water Reclamation Plant (EWRP)
James C. Kirie Water Reclamation Plant (KWRP)
Hanover Park Water Reclamation Plant (HPWRP)

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|---|--|--|--|
| Projects Under Development (continued) | | | |
| 20-086-3P | Fermentation and Ancillary Facilities for Biological Phosphorus Removal Phase II, OWRP | | \$ 30,000,000 |
| 20-087-3P | Chemical Phosphorus Removal, OWRP | | 14,000,000 |
| 21-092-3P | Battery E Activated Sludge Facility, OWRP | | 260,000,000 |
| 22-376-3P | Gloria Alitto Majewski Reservoir Rehabilitation, NSA | | 25,000,000 |
| | | Total | <u>\$ 393,700,000</u> |
| | | North Service Area Grand Total | <u><u>\$ 598,914,000</u></u> |

CALUMET SERVICE AREA (CSA)



Calumet Water Reclamation Plant (CWRP)

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|------------------------------------|---|--|--|
| Projects for 2023 Award | | | |
| 22-801-31 | Installation of Shaftless Screw Conveyors for Aerated Grit Tanks, CWRP | | \$ 4,600,000 |
| 23-801-31 | Furnish, Deliver, and Install Replacement Gearboxes at SEPA Stations Phase II, CSA | | 3,200,000 |
| | Total | | \$ 7,800,000 |
| Projects Under Construction | | | |
| 15-266-4H5 | Decommissioning the Thornton Transitional Reservoir, CSA, Rebid | 07/23 | \$ 25,314,027 |
| 20-801-31 | Furnish, Deliver, and Install Replacement Gearboxes at SEPA Stations, CSA | 10/23 | 1,898,000 |
| 21-260-4H | Thornton Rock Dam Treatment and Geotechnical Instrumentation, CSA | 04/23 | 5,995,000 |
| 21-262-3S | Calumet 18E Relief Connecting Structure and Sewer Work, CSA | 11/23 | 2,817,700 |
| | Total | | \$ 36,024,727 |
| Projects Under Development | | | |
| 12-245-3P | Fermentation and Ancillary Facilities for Biological Phosphorus Removal, CWRP | | \$ 6,000,000 |
| 18-253-3P | Digester Rehabilitation and Gas Piping Replacement, CWRP | | 15,000,000 |
| 19-255-3D | Rehabilitation of Pump and Blower House, CWRP | | 4,000,000 |
| 19-256-3P | Digester Rehabilitation and Gas Piping Replacement Phase II, CWRP | | 10,000,000 |
| 19-257-3D | 6th Street Construction and Utility Tunnel Rehabilitation and Various Roof Replacements, CWRP | | 3,100,000 |
| 19-258-3E | Switchgear and MCC Replacement, CWRP | | 23,000,000 |
| 19-717-3P | Additional Grit Removal Tank and Construction of New Plant Entrance, LWRP | | 6,000,000 |
| 22-263-3P | Gravity Belt Thickener Installation and Building Rehabilitation, CWRP | | 20,000,000 |
| | Total | | \$ 87,100,000 |
| | Calumet Service Area Grand Total | | \$ 130,924,727 |
| | Capital Projects Grand Total - All Service Areas | | \$ 1,168,750,824 |

^ These projects are part of the Stormwater Management Program. Detailed information about this fund and these project fact sheets appear in Section VI of this budget document.

* These projects are funded by the Capital Improvements Bond Fund and the Stormwater Management Fund.

39th Street Conduit Rehabilitation - Phase II, SSA

Project Number 01-103-AS

Service Area Stickney

Location Chicago, IL

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$45,400,000

Contract Award Date June 2023

Substantial Completion Date April 2025



Project Description This project will rehabilitate over 100-year-old conduit lying under 39th Street (Pershing Road), stretching from a former pumping station near Lake Michigan to its discharge at the Racine Avenue Pumping Station. The project includes rehabilitation of approximately 15,440 feet of 20-foot diameter brick-lined intercepting sewer and associated manholes and sewer connections.

Project Justification The 39th Street conduit is approximately 110 years old. The conduit receives combined sewage from a service area of approximately nine square miles on the southeast side of Chicago. Video inspection of this conduit indicates severe deterioration, including loss of bricks, infiltrating joints, and mineral deposits at a number of places, which could eventually lead to a collapse. Under Phase I of the project, a bypass tunnel was constructed to allow for the rehabilitation of the 39th Street conduit. Rehabilitation of the conduit will ensure long-term drainage for over 145,000 people in its service area.

Project Status Design

Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA, Rebid

Project Number 06-360-3SR

Service Area North

Location Wheeling, IL

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$30,000,000

Contract Award Date January 2023

Substantial Completion Date October 2025



Project Description This project entails rehabilitating 2,888 feet of 48-inch diameter sewer and 11,908 feet of 69-inch diameter sewer by cured-in-place pipe lining and/or the slip lining method, rehabilitating 28 manholes/structures and the abandonment of one offset manhole.

Project Justification The sewers were inspected by the Maintenance & Operations Department with a closed-circuit television inspection system. The video inspection tapes show cracks (circular and longitudinal), sewage solids deposits, sags, offset joints, root intrusion, infiltration, and concrete erosion. Physical inspection of the manholes revealed cracks and holes in the walls and bases of the manholes and in one offset manhole, which is part of a control structure, and 85 feet of 3.5-foot by 4.5-foot pipe.

Project Status Design

North Side Sludge Pipeline Replacement - Section 1, NSA, Rebid

Project Number 07-027-3SR

Service Area North

Location Skokie, Lincolnwood, and Chicago, IL

Engineering Consultant In-house design

Engineering Contractor Joel Kennedy Construction Corp.

Estimated Construction Cost \$27,120,000

Contract Award Date June 2022

Substantial Completion Date December 2024



Project Description This project will replace Section 1 of the existing North Side Sludge Pipeline with 19,000 feet of 20-inch diameter force main, construct air relief, blow off and clean out structures, and rehabilitate 43 existing structures located in the Villages of Skokie and Lincolnwood and the City of Chicago.

Project Justification Due to external corrosion and damage caused by construction activities of others in the area, the pipeline developed numerous holes over the years resulting in sludge overflowing into the North Shore Channel. In order to increase the reliability of sludge conveyance, the pipeline needs to be rehabilitated and/or replaced. The structures were inspected by the Maintenance & Operations Department in January 2008 with a closed-circuit television inspection system and by physical inspection. The video inspection shows that the piping and valves inside the structures have corroded. Due to the importance of the North Side Sludge Pipeline, the piping and valves in the 43 structures will be removed and replaced. New automatic air release valves will be installed in the remaining existing structures to preserve the useful life of those structures.

Project Status Construction

Battery A Improvements and Battery B Installation of Mechanical Mixers, SWRP

| | |
|------------------------------------|------------------|
| Project Number | 08-174-3D |
| Service Area | Stickney |
| Location | Stickney WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$24,000,000 |
| Contract Award Date | May 2023 |
| Substantial Completion Date | April 2025 |



Project Description This project entails concrete rehabilitation and the installation of railing at the Battery A final settling tanks and influent channels, air piping replacement in the Battery A aeration tanks, and the installation of mechanical mixers in the Battery B aeration tanks at the Stickney WRP. This project also includes the installation of a transfer slab below "F" Street to protect the Battery A main effluent conduit below and allow heavy traffic over the road.

Project Justification This project will rehabilitate the 80-year-old concrete in the Battery A final settling tanks, which is severely deteriorated in some locations and falling into the tanks. The addition of railing around final settling tanks and along the mixed liquor channel will safeguard against employees, contractors, and/or visitors falling into the tanks and channels. The addition of safety davit sleeves will allow for the use of portable davit hoists, making any necessary emergency retrieval of injured person(s) from tanks safer and quicker. In addition, this project will replace the air drops in the Battery A aeration tanks which are corroded and broken in multiple locations, resulting in inefficient aeration. Mechanical mixers will be installed in the Battery B aeration tanks, which is required to properly mix the anaerobic zones in the biological phosphorus removal process. Lastly, the installation of a load transfer slab over the main effluent conduit will permit the replacement of "F" Street to allow heavy truck and construction traffic. Historically, traffic on this street has been limited to light single axle vehicles. Increasing the road capacity will improve construction access and facilitate improvements in the future.

Project Status Design

North Shore 1 Rehabilitation, NSA

| | |
|------------------------------------|--|
| Project Number | 10-047-3S |
| Service Area | North |
| Location | Kenilworth, Winnetka, and Wilmette, IL |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$32,650,000 |
| Contract Award Date | August 2023 |
| Substantial Completion Date | March 2026 |



Project Description This project will rehabilitate a 10,110-foot long, six-foot by nine-foot sewer, a 4,257-foot long, six-foot by eight-foot sewer, and 22 manhole structures in Kenilworth, Winnetka, and Wilmette. The project will also construct three manholes and modify DS-M105E in Evanston.

Project Justification The sewers were inspected by the Maintenance & Operations Department with a closed-circuit television inspection system. The video shows infiltration and concrete/metal deterioration due to hydrogen sulfide. In order to restore the hydraulic and structural integrity of the sewers, they need to be rehabilitated. The manholes and structures exhibit similar signs of deterioration and also need to be rehabilitated. Construction of new manholes along the Evanston Intercepting Sewer is necessary to provide access to the sewer at pipe bends and longer segments. Modifications to DS-M105E will disconnect a City of Evanston storm sewer from the combined sewer system. The storm sewer will be reconnected to an outfall to discharge stormwater to the nearest waterway.

Project Status Design

Upper Des Plaines Intercepting Sewer 11D, Ext. C Rehabilitation, NSA

| | |
|------------------------------------|-------------------|
| Project Number | 11-404-3S |
| Service Area | North |
| Location | Palatine Township |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$11,500,000 |
| Contract Award Date | May 2023 |
| Substantial Completion Date | June 2024 |



Project Description This project entails the rehabilitation of 10,828 linear feet of 36-inch sewer pipe, 24 manholes and one connecting structure in Palatine, Rolling Meadows, and Arlington Heights.

Project Justification The sewers were inspected by the Maintenance & Operations Department with a closed-circuit television inspection system. The video shows infiltration and concrete/metal deterioration due to hydrogen sulfide. In order to restore the hydraulic and structural integrity of the sewers, they need to be rehabilitated. The manholes and structures exhibit similar signs of deterioration and also need to be rehabilitated.

Project Status Design

Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA

| | |
|------------------------------------|--|
| Project Number | 12-369-3S |
| Service Area | North |
| Location | Elk Grove Village and Mount Prospect, IL |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$7,750,000 |
| Contract Award Date | October 2023 |
| Substantial Completion Date | November 2024 |



Project Description This project entails the rehabilitation of 11,317 feet of 36-inch sewer and 1,089 feet of 54-inch sewer by cured-in-place pipe lining and the rehabilitation of 36 manholes by spray-on products.

Project Justification The sewer was inspected by closed-circuit television system. The video shows infiltration and concrete/metal deterioration due to hydrogen sulfide. The manholes and structures exhibit similar signs of deterioration. In order to restore the hydraulic and structural integrity of the sewer and manholes/structure, they need to be rehabilitated.

Project Status Design

Rehabilitation of Steel Spandrel Beams of Pump and Blower House, OWRP

| | |
|------------------------------------|---------------------------------|
| Project Number | 15-069-3D |
| Service Area | North |
| Location | O'Brien WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | IHC Construction Companies, LLC |
| Estimated Construction Cost | \$21,730,000 |
| Contract Award Date | April 2022 |
| Substantial Completion Date | May 2025 |



Project Description This project consists of rehabilitating the Pump and Blower House building roof and facade components at the O'Brien WRP. Besides protecting, rehabilitating, and structurally strengthening steel frame beams and columns embedded in the masonry wall, the scope of work includes localized roof deck rehabilitation including roof slope remediation, full roofing membrane and insulation replacement, full masonry and flashing rehabilitation at roof parapet walls, localized windows and exterior doors rehabilitation, localized tuckpointing, and other miscellaneous rehabilitation work associated or incidental to a facade/roof rehabilitation project. The District's Structural Architectural Section will be working with RME, Inc., a Chicago-based consulting company. District staff will manage the rehabilitation design process, review and approve all submitted rehabilitation documents, administer the contract, and oversee the construction. In addition, the District will manage the contract budget and payments. The project goal is to rehabilitate the Pump and Blower House roof and facade and extend the building life span for another 50 to 90 years.

Project Justification The Pump and Blower House has not undergone major structural rehabilitation since it was built in 1926. During its 90 years of service, the building has undergone general maintenance including reroofing, window repair, and tuckpointing. In 2013, a portion of the south parapet wall collapsed due to corrosion of the steel spandrel beams that frame the upper roof and support the parapet walls. The steel roof beams that are part of the building vertical (gravity) and lateral (wind/seismic) loads resisting system were compromised by water infiltration. Subsequent inspection openings were made to examine the embedded steel framing, and similar damage was found around the perimeter of the building. Reinforcing the existing steel framing will extend the useful service life of the structure and prevent further damage to the existing masonry and limestone.

Project Status Construction

Decommissioning the Thornton Transitional Reservoir, CSA, Rebid

| | |
|------------------------------------|--------------------------------|
| Project Number | 15-266-4H5 |
| Service Area | Calumet |
| Location | Thornton, IL |
| Engineering Consultant | Black & Veatch Corporation |
| Engineering Contractor | IHC Construction Companies LLC |
| Estimated Construction Cost | \$25,314,027 |
| Contract Award Date | November 2021 |
| Substantial Completion Date | July 2023 |



Project Description This project includes excavation of existing rock plug in the Thorn Creek Connection Tunnel, installation of east and west tunnel plugs in Thorn Creek Diversion Tunnel, placement of mass concrete fill between east tunnel plug and connection tunnel, installation of lining and contact grouting in portions of the connection tunnel and diversion tunnel, removal of concrete beams, rock support and rock in the vicinity of the existing Thornton Transitional Reservoir Portal, removal of sediment in the Thornton Transitional Reservoir, installation of reservoir level measurement equipment, decommissioning the Thornton Transitional Reservoir Dewatering Valve Chamber, construction shaft concrete rehabilitation (adjacent to the valve shaft chamber), rehabilitation of rockfall netting at the Thornton Composite Reservoir north highwall access ramp, and any appurtenant work associated with the items listed above.

Project Justification The District entered into an agreement with Hansen Material Service to extend the lease for use of the Thornton Transitional Reservoir and the west lobe of the Thornton Quarry through 2022. This allows the District to utilize the Thornton Transitional Reservoir for holding overbank floodwaters from Thorn Creek while learning to operate the Thornton Composite Reservoir during its initial years. This project finalizes the connection of the Thorn Creek Overflow Structure to the Thornton Composite Reservoir.

Project Status Construction

Replacement of Tailrace Stop Logs, Headrace Gates, and Equipment at Lockport Powerhouse, SSA

| | |
|------------------------------------|---------------------------------|
| Project Number | 15-830-3D |
| Service Area | Stickney |
| Location | Lockport Powerhouse |
| Engineering Consultant | In-house design |
| Engineering Contractor | IHC Construction Companies, LLC |
| Estimated Construction Cost | \$13,242,828 |
| Contract Award Date | June 2019 |
| Substantial Completion Date | April 2023 |



Project Description This project will design, fabricate, and install tailrace stop logs for Bays 1 and 2. It will also replace headrace gates, tailrace stop logs, and associated hoist systems.

Project Justification The headrace gates in Bays 1 and 2 are not properly functioning. The tailrace stop logs are rusted and are not functional. The tailrace hoist system is not operational. Consequently, the chambers of Bays 1 and 2 cannot be drained, and turbines cannot be inspected and maintained. These issues have delayed maintenance for several years. Ideally, turbines and other accessories require annual inspection and maintenance to prolong their life span.

Project Status Construction

A/B and C/D Service Tunnel Rehabilitation - Phase III, SWRP, Rebid

| | |
|------------------------------------|------------------|
| Project Number | 16-127-3DR |
| Service Area | Stickney |
| Location | Stickney WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$25,100,000 |
| Contract Award Date | January 2023 |
| Substantial Completion Date | December 2025 |



| | |
|------------------------------|--|
| Project Description | This project will rehabilitate approximately 1,000 feet of the A/B Service Tunnel north of column line 31 and approximately 1,000 feet of the C/D Service Tunnel north of column line 37. This project continues the scope of work from contracts 04-131-2D and 04-132-3D. |
| Project Justification | This project will address significant structural deterioration that has occurred since the tunnels were constructed approximately 80 years ago. Rehabilitating the tunnels will restore capacity, extend their service life, and prevent further damage to the utilities inside the tunnels. |
| Project Status | Design |

McCook Reservoir Rock Wall Stabilization and Geotechnical Instrumentation, SSA, Rebid

| | |
|------------------------------------|---|
| Project Number | 17-131-4FR |
| Service Area | Stickney |
| Location | McCook Reservoir |
| Engineering Consultant | In-house design |
| Engineering Contractor | IHC Construction Companies LLC |
| Estimated Construction Cost | \$14,980,000 |
| Contract Award Date | March 2022 |
| Substantial Completion Date | February 2023 |
| Project Description | This project consists of stabilizing the near-vertical excavated walls of the reservoir through the installation of rock bolts, rock dowels, cable bolts, chain link wire mesh, and shotcrete at locations where deemed necessary. Work will also include the installation of instrumentation and monitoring devices and related equipment. |
| Project Justification | This project will provide preservation and stability of the Stage 2 McCook Reservoir and for future monitoring of the McCook Reservoir highwalls through instrumentation devices. |
| Project Status | Construction |



Odor Control Facilities at Sludge Concentration, Southwest Coarse Screen, Overhead Weir, & Post-Centrifuge Building, SWRP, Rebid

| | |
|------------------------------------|---------------------------------|
| Project Number | 17-134-3MR |
| Service Area | Stickney |
| Location | Stickney WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | IHC Construction Companies, LLC |
| Estimated Construction Cost | \$17,023,901 |
| Contract Award Date | September 2019 |
| Substantial Completion Date | March 2023 |



Project Description This project entails the construction of three biofilter facilities (one for sludge concentration and overhead weir, one for the southwest coarse screen, and one for the post-centrifuge building). The facilities will include new biofilters, heating, ventilation and air conditioning equipment, ductwork and other ancillary equipment.

Project Justification An odor control system was evaluated for the anticipated Waste Activated Sludge Stripping to Remove Internal Phosphorus (WASSTRIP®) process, existing sludge holding tanks, overhead weir, sludge screens, and coarse screens located at the Stickney WRP. Currently, odorous air from the sludge holding tanks, overhead weir, and sludge screens is collected but not effectively treated by an ozone odor control system. Odorous air from the coarse screens and adjacent dumpster rooms is collected but not effectively treated by a carbon adsorption system. The WASSTRIP® process is forthcoming but will use existing tanks near the sludge holding tanks. Addressing these odorous sources will help the surrounding community and improve working conditions for plant staff.

Project Status Construction

Roof Replacement of the Lue-Hing M&R Complex, SWRP

| | |
|------------------------------------|--|
| Project Number | 17-135-3V |
| Service Area | Stickney |
| Location | Stickney WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | IHC Construction Companies, LLC |
| Estimated Construction Cost | \$10,909,000 |
| Contract Award Date | December 2022 |
| Substantial Completion Date | October 2024 |
| Project Description | This project will replace roof areas 1, 2, 3, 5, and 6 of the Monitoring & Research Department's laboratory at the Stickney WRP. The project scope includes a complete tear off of the existing roof membrane in the specified areas, replacement of the roof top equipment that has exceeded its useful life, removal of obsolete roof top equipment, and additional work associated with the Monitoring & Research Department's east addition at the Stickney WRP. |
| Project Justification | The roof has reached the end of its useful life and needs to be replaced. In addition, old, disconnected, and no longer used equipment will be removed for safety considerations. |
| Project Status | Construction |



Utility Tunnel Cracks and Expansion Joints Rehabilitation, OWRP, KWRP, EWRP, HPWRP

Project Number 17-843-3D

Service Area North

Location O'Brien, Kirie, Egan, and Hanover Park WRPs

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$4,100,000

Contract Award Date September 2023

Substantial Completion Date August 2025

Project Description This project consists of rehabilitating leaking cracks and deteriorated expansion joints inside utility and service tunnels at the O'Brien, Kirie, Egan, and Hanover Park WRPs.

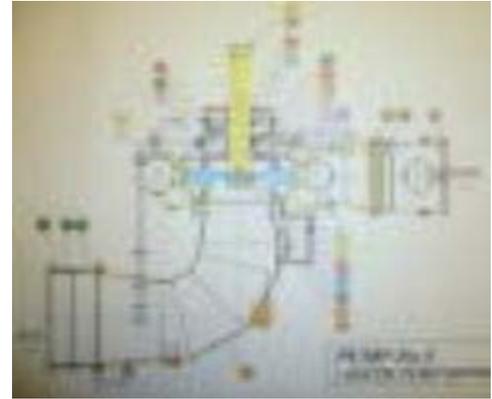
Project Justification The service tunnels and operating galleries at the North Service Area WRPs are of varying ages ranging from approximately 50 to 90 years old. Many of these tunnels were built as part of the original plant construction. Over time, several of the tunnel expansion joints have deteriorated and leaking cracks have developed in the tunnel walls and slabs. The tunnels/galleries and associated utilities are essential to each plant's functionality and need to remain operational indefinitely. Rehabilitating the deteriorated expansion joints and leaking cracks will extend their useful life and prevent further damage to the utilities inside the tunnels.

Project Status Design



Rehabilitation of TARP Pumps, MSPS

| | |
|------------------------------------|---|
| Project Number | 18-144-3M |
| Service Area | Stickney |
| Location | Mainstream Pumping Station |
| Engineering Consultant | In-house design |
| Engineering Contractor | IHC Construction Companies, LLC |
| Estimated Construction Cost | \$23,383,036 |
| Contract Award Date | April 2021 |
| Substantial Completion Date | October 2025 |
| Project Description | This project will completely overhaul Tunnel and Reservoir Plan Pumps 1 and 3 in the South Pump House and Pump 5 in the North Pump House of the Mainstream Pumping Station, including the associated motors and discharge cone valves and actuators, in order to restore capacity and reliability. The complete overhaul of the pump and motor involves the furnishing and installing of new parts, refurbishing existing salvageable parts, replacing motor exciter panels, and upgrading pump control components. |
| Project Justification | This project will reduce the maintenance labor required, allow for better pump and motor monitoring, and improve reliability. Once the overhaul is complete, there will be a reduction in the electrical energy usage to power pumps, as the pump will operate more efficiently by being able to pump more fluid in less time. The overhaul will also extend the useful life of the pumps and motors, which have been in service since May 1985. |
| Project Status | Construction |



Digester Rehabilitation and Gas Piping Replacement Phase II, SWRP

| | |
|------------------------------------|------------------|
| Project Number | 18-148-3P |
| Service Area | Stickney |
| Location | Stickney WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$25,500,000 |
| Contract Award Date | May 2023 |
| Substantial Completion Date | March 2028 |



Project Description This project entails the replacement of digester gas piping in which recent work uncovered extensive fouling and iron sulfide buildup. Replacement of gas piping is required to ensure safety of operations and adequate capacity to convey the additional digester gas expended from the conversion of the Imhoff Tanks to primary settling tanks. Rehabilitation and replacement of the gas mixing piping within the digesters will allow for installation of the final mixing system under a separate contract, without the need to drain the digester.

Project Justification Gas piping needs to be replaced to ensure safety of operations and adequate capacity.

Project Status Design

Furnish, Deliver, and Install Disc Filters at the Egan Water Reclamation Plant

Project Number 18-702-31

Service Area North

Location Egan and Hanover Park WRPs

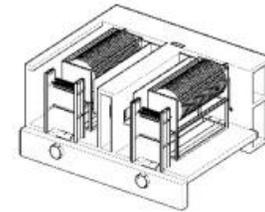
Engineering Consultant In-house design

Engineering Contractor Independent Mechanical Industries, Inc.

Estimated Construction Cost \$8,895,000

Contract Award Date March 2022

Substantial Completion Date April 2024



Project Description This project will replace three pairs of tertiary filter beds with six disc filters.

Project Justification The designed maximum capacity of the secondary treatment is 60 million gallons per day (MGD). The maximum tertiary capacity is 44 MGD. During a backwash cycle the total tertiary capacity would drop to 34 MGD. The Egan WRP has six pairs of filter beds. Installing disc filters in filter beds 1, 2, and 6 can increase filtering capacity from 34 to 60 MGD with no loss in capacity during a backwash cycle. The disc filters will reduce the filter backwash from eight percent to less than five percent. The enclosed disc filters will reduce the midge flies in the filter building.

Project Status Construction

Furnish, Deliver, and Install Three Bar Screens, KWRP

| | |
|------------------------------------|---------------------------------|
| Project Number | 18-703-31 |
| Service Area | North |
| Location | Kirie WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | IHC Construction Companies, LLC |
| Estimated Construction Cost | \$1,940,000 |
| Contract Award Date | March 2021 |
| Substantial Completion Date | June 2023 |



Project Description This project will furnish, deliver, and install three bar screens at the Kirie WRP.

Project Justification The current screens are 35 years old and their ability to capture debris has diminished significantly due to corrosion on the bars. Switching to a smaller screen opening will increase capture rates and reduce the amount of rags and debris in the return activated sludge channel. Because of the current screens' diminished performance, debris accumulates and prevents the return activated sludge butterfly valves from operating properly, which negatively impacts treatment operations and increases maintenance costs.

Project Status Construction

Upgrade Wilmette Lift Station, NSA

| | |
|------------------------------------|-----------------------|
| Project Number | 19-083-3P |
| Service Area | North |
| Location | Wilmette Lift Station |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$1,500,000 |
| Contract Award Date | June 2023 |
| Substantial Completion Date | May 2024 |



| | |
|------------------------------|---|
| Project Description | This project entails the installation of duplex pumps and the rehabilitation and/or rebuilding of the existing 20.5-foot by 12-foot by 18-foot underground structure. |
| Project Justification | During maintenance and repairs of the existing pump, flow is diverted to TARP. An additional pump is needed to provide continuous operation. The existing underground structure was built in 1937, and the concrete is in poor condition. |
| Project Status | Design |

Boilers 3, 4, 5 and MCC Replacement, SWRP

Project Number 19-155-3M

Service Area Stickney

Location Stickney WRP Boiler Building

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$15,500,000

Contract Award Date May 2023

Substantial Completion Date September 2025



Project Description This project will install new replacement boilers that will have co-firing of digester gas and natural gas to maximize the available digester gas. Existing boilers and motor control centers (MCCs) Nos. 3, 4, and 5 are at the end of their useful lives and require excessive maintenance. A deaerator will also be installed to provide for complete redundancy. Upgrades also include the boiler chemical systems and controls, the boiler MCCs, and lighting.

Project Justification This project replaces existing boilers and MCCs Nos. 3, 4, and 5, which are at the end of their useful lives and require excessive maintenance.

Project Status Design

Chemical Addition Backup System, SWRP

Project Number 19-159-3P

Service Area Stickney

Location Stickney WRP

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC

Estimated Construction Cost \$7,940,000

Contract Award Date February 2022

Substantial Completion Date November 2023



Project Description This project will provide a secondary phosphorus removal system in the event that the biological phosphorus system is interrupted. This will allow the treatment plant to achieve compliance with the National Pollution Discharge Elimination System permit phosphorus effluent limit during any upsets with the biological process. Without a working biological removal process, the annual chemical costs are estimated to be \$11 million to meet the 1.0 mg/L effluent phosphorus concentration limit. The District has established a working biological phosphorus removal process at the Stickney WRP. The process has proven to be effective in achieving the 2030 phosphorus effluent requirement of 0.5 mg/L. The District believes that this system will only be used as a back-up system for unforeseen problems with the biological removal process.

Project Justification This project addresses the District's National Pollution Discharge Elimination System permit, which will require a 1.0 ppm effluent limit for phosphorus. The District currently employs enhanced biological phosphorus removal treatment operations and a sidestream phosphorus recovery facility to meet these limitations. At times, the phosphorus loading to the plant can result in exceedances. This new facility will allow chemical polishing to ensure that the limitations are consistently met.

Project Status Construction

Central Boiler Facility and Electrical Updates, HPWRP, Rebid

| | |
|------------------------------------|---------------------------------|
| Project Number | 19-542-3MR |
| Service Area | North |
| Location | Hanover Park WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | IHC Construction Companies, LLC |
| Estimated Construction Cost | \$13,760,000 |
| Contract Award Date | November 2021 |
| Substantial Completion Date | November 2024 |



Project Description This project will remove two natural gas boilers and provide five new boilers (two natural gas and three digester gas/natural gas) in the Pump and Blower Building. Five digester gas/natural gas boilers will be removed from the Digester Complex. All associated mechanical piping, electrical, control, civil and structural work needed to provide hot water for process and building heating demands will be completed. Replace digester gas piping and remove and replace all electrical equipment, such as motor control center, motors, conduit, gas alarm system, fire alarm system, lighting, etc., with explosion-proof equipment in the classified areas to meet National Fire Protection Association 820 requirements.

Project Justification This project replaces the boilers in the Digester Complex which are 10 to 20 years old and do not perform properly, as the control systems are not reliable (due to hydrogen sulfide gas related corrosion) and need to be removed to comply with National Fire Protection Association 820 requirements. Centralized boiler operation will maximize the use of available digester gas. Existing electrical equipment in the Digester Complex does not meet the National Fire Protection Association 820 requirement and needs to be replaced with explosion-proof rated equipment or relocated to an unclassified location. The natural gas boilers in the Pump and Blower Building are more than 35 years old, parts are no longer supported by the original equipment manufacturer, and procuring the replacement parts has been increasingly difficult and costly. Also, the State of Illinois Boiler Inspector recommended the boilers be operated in low fire only, due to their poor conditions.

Project Status Construction

Lockport Powerhouse and Waterways Control System Replacement, SSA

| | | | |
|------------------------------------|---|--|--|
| Project Number | 19-855-3E |  | |
| Service Area | Stickney | | |
| Location | Lockport Powerhouse and Waterways | | |
| Engineering Consultant | In-house design | | |
| Engineering Contractor | To be determined | | |
| Estimated Construction Cost | \$3,000,000 | | |
| Contract Award Date | October 2023 | | |
| Substantial Completion Date | November 2024 | | |
| Project Description | This project entails the replacement of the Lockport Powerhouse and Waterways control system. | | |
| Project Justification | The control system equipment is no longer available. In order to avoid failure and ensure appropriate level of service, the equipment must be replaced. | | |
| Project Status | Design | | |

TARP Control System Replacement, SSA, CSA, NSA

| | | | |
|------------------------------------|---|---|--|
| Project Number | 19-856-3E |  | |
| Service Area | Calumet, North, and Stickney | | |
| Location | Calumet, North, and Stickney Service Areas | | |
| Engineering Consultant | In-house design | | |
| Engineering Contractor | To be determined | | |
| Estimated Construction Cost | \$25,000,000 | | |
| Contract Award Date | June 2023 | | |
| Substantial Completion Date | November 2025 | | |
| Project Description | This project entails the replacement of the TARP control system. | | |
| Project Justification | The control system equipment is no longer available. In order to avoid failure and ensure appropriate level of service, the equipment must be replaced. | | |
| Project Status | Design | | |

TARP Mainstream Dropshaft DS-M73E at Armitage Avenue, SSA

Project Number 20-160-4H

Service Area Stickney

Location Chicago, IL

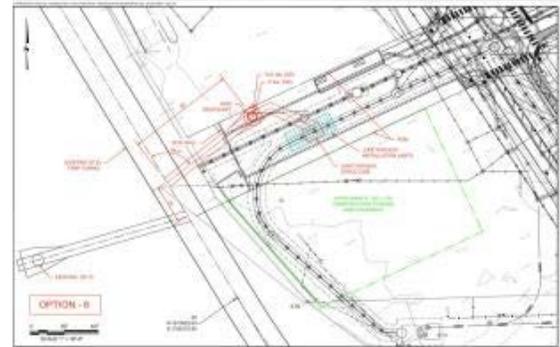
Engineering Consultant Stantec Consulting Services, Inc.

Engineering Contractor To be determined

Estimated Construction Cost \$12,600,000

Contract Award Date February 2023

Substantial Completion Date February 2024



Project Description This project includes constructing a connecting sewer and TARP dropshaft which will connect to the existing Mainstream Tunnel at approximately Armitage Avenue and the Chicago River. The overflow structure to be built by the City of Chicago on a new sewer will divert stormwater flow to the dropshaft. The new shaft will be constructed within the right-of-way of the proposed extension of Armitage Avenue.

Project Justification Recent modeling has shown that three combined sewer outfalls located on the east bank of the Chicago River between Webster Avenue and McLean Avenue discharge combined sewer overflow to the river in storms exceeding a six-month storm event. Flow from the municipal sewers connected to all three outfalls is conveyed by the West Side Intercepting Sewer 9. The capacity of the West Side Intercepting Sewer 9 is limited in storm events by a siphon under the river. The new dropshaft will convey storm flows to the Mainstream Tunnel upstream of the siphon to minimize combined sewer overflows at these three locations while there is still capacity in TARP.

Project Status Design

Salt Creek 3 Intercepting Sewer Rehabilitation, SSA

Project Number 20-161-3S

Service Area Stickney

Location Brookfield and La Grange Park, IL

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$13,350,000

Contract Award Date August 2023

Substantial Completion Date December 2025

Project Description This project consists of rehabilitating 11,230 feet of 42-inch by 60-inch diameter concrete sewer pipe, as well as 4,410 feet of 36-inch diameter concrete sewer pipe by the cured-in-place pipe lining and/or the slip lining method, filling large voids and holes in the sewer invert, and rehabilitating 31 manholes.

Project Justification The sewers were inspected by the Maintenance & Operations Department with a closed-circuit television inspection system and via man entry. The inspection showed cracks (circular and longitudinal), sewage solid deposits, voids, missing concrete, offset joints, root intrusion, infiltration, and concrete erosion. Physical inspection of the manholes revealed cracks and holes in the walls and bases of the manholes.

Project Status Design



West Side Intercepting Sewer No. 2 Rehabilitation, SSA

Project Number 20-162-3S

Service Area Stickney

Location Chicago, IL

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$2,600,000

Contract Award Date December 2023

Substantial Completion Date December 2024



Project Description This projects entails the rehabilitation of West Side Intercepting Sewer No. 2 which has been found to have multiple holes. The areas with holes have been identified and quantified using multi-sensor inspection. All of the major defects and the area surrounding the defects will be rehabilitated.

Project Justification West Side Intercepting Sewer No. 2 is a main sewer feed into the Stickney WRP. The sewer also runs under major roadways and the Cook County Department of Corrections facility near 28th Street and South California Avenue in Chicago. Failure of this line could cause significant damage to surrounding areas.

Project Status Design

Furnish, Deliver, and Install Replacement Gearboxes at SEPA Stations, CSA

| | |
|------------------------------------|---|
| Project Number | 20-801-31 |
| Service Area | Calumet |
| Location | SEPA Stations 2, 3, 4, and 5 |
| Engineering Consultant | In-house design |
| Engineering Contractor | Independent Mechanical Industries, Inc. |
| Estimated Construction Cost | \$1,898,000 |
| Contract Award Date | May 2021 |
| Substantial Completion Date | October 2023 |
| Project Description | This project will furnish, deliver, and install a replacement gearbox and associated upper and lower bearing for Sidestream Elevated Pool Aeration (SEPA) Stations #2, #3, #4, and #5 in the Calumet Service Area. This project is the Phase I portion of a two-phase project. The Phase II portion will be completed under project 23-801-31. |
| Project Justification | Due to changes in the permit that require average dissolved oxygen levels to be increased to 3.0 mg/L to 5.0 mg/L from March through July and 3.5 mg/L from August through February, normal operation may require all SEPA screw pumps to be operated. The SEPA stations have been in service for over 25 years and failures of the oil seals and bearings have increased. This project will help maintain the reliability of these stations and ensure the District continues to meet the Illinois Environmental Protection Agency's waterway dissolved oxygen requirements. |
| Project Status | Construction |



Drop Shaft Modifications and Collection Facilities Work, NSA

Project Number 20-859-3SR

Service Area North

Location Morton Grove, Mount Prospect, and Des Plaines, IL

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC

Estimated Construction Cost \$3,158,000

Contract Award Date November 2022

Substantial Completion Date November 2023



Project Description This project entails the installation of louvers and grating at Drop Shaft 8, removal of Gate 11, replacement of Gate 13, installation of a new actuator at Control Structure 10, installation of gratings and louvers at Drop Shaft N-19, and modifications to Manhole 0+00 on Upper Des Plaines 11B.

Project Justification This project will reduce sanitary sewer overflow incidents during wet weather events.

Project Status Construction

Furnish, Deliver, and Install Coarse Screens, SWRP

Project Number 20-903-31

Service Area Stickney

Location Stickney WRP

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC

Estimated Construction Cost \$4,374,000

Contract Award Date May 2021

Substantial Completion Date December 2024



Project Description This project entails the removal of existing climber-style southwest coarse screens at the Stickney WRP and the installation of new chain and sprocket-style coarse screens.

Project Justification The southwest coarse screens at the Stickney WRP protect the main sewage pumps in the Pump & Blower Building from debris in the influent flow. The current climber-style screens have a number of issues. The hydraulic systems for each coarse screen have caused frequent failures and the annual maintenance costs for the screens are exceedingly high. Additionally, the coarse screens see heavy debris and the bar screen spacing is too fine for this application. Because of this, the screens are frequently "blinded" due to the extended cycle time required for climber screens. This causes additional maintenance costs as well as issues with the operation of the main sewage pumps downstream of the screens. This project will replace the existing southwest coarse screens with more heavy-duty, reliable, chain and sprocket-style screens and significantly reduce maintenance costs and operational issues caused by the current coarse screens.

Project Status Construction

Phosphorus Removal Modifications to Battery D, OWRP

Project Number 21-091-3P

Service Area North

Location O'Brien WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$14,000,000

Contract Award Date March 2023

Substantial Completion Date February 2024



Project Description This project will include pumps (including a new pump building to house return activated sludge pumps), piping, mixers, and baffles to support side stream enhanced biological phosphorus removal in Battery D at the O'Brien WRP.

Project Justification Per the compliance schedule in the National Pollutant Discharge Elimination System permit, the O'Brien WRP must install biological phosphorus removal in all batteries by July 31, 2025 to meet a new total phosphorus effluent limit beginning August 1, 2027. Side stream enhanced biological phosphorus removal through return activated sludge fermentation will be used to meet these new limits. The fermentation of return activated sludge in this process encourages the growth of phosphorus accumulating organisms, stabilizes phosphorus removal, and allows for greater phosphorus removal under less favorable influent conditions.

Project Status Design

Westchester Pumping Station Relief Sewer, SSA

Project Number 21-168-3S

Service Area Stickney

Location Westchester, IL

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$3,500,000

Contract Award Date November 2023

Substantial Completion Date November 2024



Project Description This project entails the installation of a 27-inch diameter sewer in order to provide relief to the Berkley-Hillside Intercepting Sewer and Broadview-Bellwood Intercepting Sewer during wet weather by diverting flow to the Roosevelt Road leg of TARP at DS-D34-AI.

Project Justification The Westchester Pumping Station was constructed in 1951 to provide relief to both the Berkley-Hillside Intercepting Sewer and the Broadview-Bellwood Intercepting Sewer. The Westchester Pumping Station relieves the intercepting sewer by discharging combined sewer overflow into Addison Creek. The construction of the proposed sewer should reduce the frequency of combined sewer overflow events in Addison Creek by diverting the flow to the Roosevelt Road leg of TARP at DS-D34-AI.

Project Status Design

Thornton Rock Dam Treatment and Geotechnical Instrumentation, CSA

Project Number 21-260-4H

Service Area Calumet

Location South side (HMS Main Lobe side) of Thornton Composite Reservoir Rock Dam

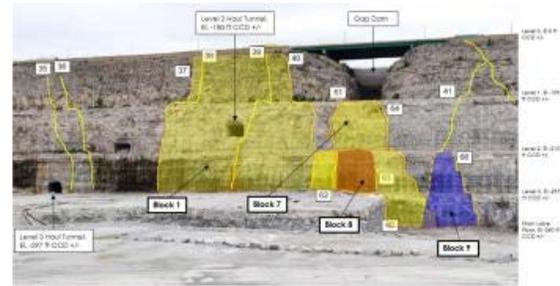
Engineering Consultant Black & Veatch Construction, Inc.

Engineering Contractor IHC Construction Companies LLC

Estimated Construction Cost \$5,995,000

Contract Award Date March 2022

Substantial Completion Date April 2023



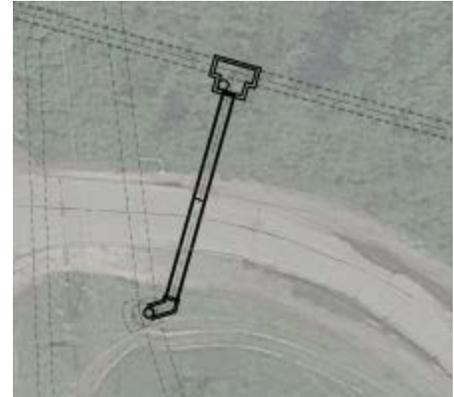
Project Description This project consists of the installation of key-block stabilization measures on the south side (HMS Main Lobe) of the Thornton Rock Dam to meet Army Corps of Engineers requirements. Treatment measures include drilling of horizontal drain holes into select key block faces to help alleviate internal rock pressure and the installation of high-capacity, corrosion-protected rock anchors to anchor select key blocks into the surrounding rock mass. Work also includes installation of geotechnical instrumentation and monitoring devices and related equipment.

Project Justification Hanson Material Services continues to mine in the Main Lobe of the Thornton Quarry, exposing the toe of the rock dam. The 2020 Rock Dam and Main Lobe Key Block Stability Assessment Report - Alternatives Assessment Memo (Stantec, 2021) recommended additional treatment measures for certain key blocks along the rock mass. The Army Corps of Engineers requested the District perform these additional treatment measures. Also, future monitoring of the stability of the Thornton Reservoir highwalls will be provided through the instrumentation devices.

Project Status Construction

Calumet 18E Relief Connecting Structure and Sewer Work, CSA

| | |
|------------------------------------|--|
| Project Number | 21-262-3S |
| Service Area | Calumet |
| Location | Alsip, IL |
| Engineering Consultant | In-house design |
| Engineering Contractor | Rausch Infrastructure, LLC |
| Estimated Construction Cost | \$2,817,700 |
| Contract Award Date | December 2022 |
| Substantial Completion Date | November 2023 |
| Project Description | This project consists of one new connecting structure, 100 linear feet of 48-inch diameter concrete sewer, one new connection to an existing access manhole, and the installation of a louver system in an existing access manhole. |
| Project Justification | This project will provide relief to the Calumet Intercepting Sewer 18F ext. A, Calumet Intercepting Sewer 18F, Calumet Intercepting Sewer 18E, and the Palos Hills Pumping Station during wet weather by diverting flow to the 78-inch Calumet Intercepting Sewer 20R-2. |
| Project Status | Construction |



Sludge Pumping Improvements, Various Locations

| | |
|------------------------------------|---|
| Project Number | 21-603-31 |
| Service Area | Calumet, North, and Stickney |
| Location | Calumet, O'Brien, Egan, and Stickney WRPs |
| Engineering Consultant | In-house design |
| Engineering Contractor | Independent Mechanical Industries, Inc. |
| Estimated Construction Cost | \$8,174,996 |
| Contract Award Date | April 2022 |
| Substantial Completion Date | April 2025 |



Project Description This project will furnish, deliver, and install non-clog centrifugal pumps to replace existing screw-centrifugal pumps in the waste activated and primary sludge pumping streams at the Stickney WRP, higher capacity sludge pumping systems at the O'Brien WRP, and variable frequency drives for selected pumping systems at the Calumet WRP.

Project Justification The existing sludge pumps at the Stickney WRP do not provide reliable pumping. Installation of various non-clog centrifugal pumps will restore reliable pumping capacity for the separated sludge streams now in place throughout the plant. The pumping systems at the Calumet and O'Brien WRPs require additional variable speed pumping capability.

Project Status Construction

Fox River Water Reclamation District (FRWRD) Grit Tank and Primary Clarifiers (1-4) Replacement

| | |
|------------------------------------|-----------------------------|
| Project Number | 21-IGA-22 |
| Service Area | North |
| Location | FRWRD Albin P. Pagorski WRP |
| Engineering Consultant | To be determined |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$5,611,000 |
| Contract Award Date | July 2023 |
| Substantial Completion Date | April 2026 |



| | |
|------------------------------|---|
| Project Description | This project will replace the water reclamation plant's grit tanks and primary clarifiers 1-4 to support newly updated phosphorus removal facilities. |
| Project Justification | The grit tanks and primary clarifiers 1-4 are beyond their useful life. Updated phosphorus removal facilities are required. |
| Project Status | Negotiation / Evaluation |

Rehabilitation of Elevated Deck and Boat Dock at North Branch Pumping Station, NSA

Project Number 22-094-3D

Service Area North

Location North Branch Pumping Station

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$7,000,000

Contract Award Date April 2023

Substantial Completion Date March 2024

Project Description This project will replace deteriorated exterior concrete decking, stairs, boat dock, and balustrades at the North Branch Pumping Station, and will also replace flap gates at nearby Drop Shaft DS-91.

Project Justification The North Branch Pumping Station is nearly 100 years old and structural rehabilitation is required to address deterioration of the exterior elevated concrete deck, boat dock, and boat dock stairs. Upon completion of structural rehabilitation, new cast stone balustrades and light pylons will be installed. The project will also replace the flap gates at the nearby connecting structure to Drop Shaft DS-91.

Project Status Design



Construction Trailer and Modifications of Supports for Raw Sewage Pump Discharge Pipes, KWRP

| | |
|------------------------------------|------------------|
| Project Number | 22-377-3D |
| Service Area | North |
| Location | Kirie WRP |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$1,500,000 |
| Contract Award Date | June 2023 |
| Substantial Completion Date | May 2024 |



Project Description This project will provide a new modular building for use by construction staff and also modifies the pipe supports for the raw sewage pump discharge risers.

Project Justification The modification of pipe supports is required to strengthen structural supports and accommodate thermal movements. Modifying the supports will restore capacity, extend their service life, and prevent damage to the pipes. A modular building is required for use by Construction Division staff.

Project Status Design

Mechanical Process Improvements, Various Locations

| | |
|------------------------------------|---|
| Project Number | 22-601-31 |
| Service Area | North and Stickney |
| Location | O'Brien, Kirie, Hanover Park, and Stickney WRPs |
| Engineering Consultant | In-house design |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$13,000,000 |
| Contract Award Date | June 2023 |
| Substantial Completion Date | September 2026 |



Project Description This project entails the improvement and rehabilitation of various mechanical systems and assets in the North and Stickney Service Areas. At the O'Brien and Hanover Park WRPs, launder covers will be installed to prevent undesirable algae growth. At the O'Brien WRP, the effectiveness of the UV disinfection system has been reduced due to algae growth on weir surfaces and effluent troughs. The algae becomes dislodged and covers the UV bulbs, which results in increased maintenance and expensive bulb replacement. The installation of the covers will prevent algae growth, act as a barrier to weather and debris, and reduce odor transmission. At the Hanover Park WRP, algae buildup also occurs on weir surfaces and effluent troughs, which can clog the disc filters and lead to increased backwash, chlorine usage, and operational maintenance. Additional improvements to the mechanical systems at the O'Brien WRP include the installation of 18 slide gates with actuators for final settling tanks 15-18 located in Batteries A, B, and C; the installation of a second sodium hypochlorite tank in the Grit Building, the installation of fabricated drives with precision bearings on primary tanks 9-16; the installation of underground piping, which runs from the final tanks to the Scum Concentration Building; the installation of a rotating slotted pipe system made of non-corrosive materials to remove scum from the primary tank; and the rehabilitation of eight primary tank influent gate actuators and three splitter gate actuators. Additional improvements to the mechanical systems at the Hanover Park WRP include the rehabilitation of the actuators and valves on the aeration tanks. Other improvements to the mechanical systems in the North Service Area include the installation of upgraded drive shafts made of carbon fiber and reinforced polymer on Raw Sewage Pumps 2 and 4 at the Kirie WRP and the installation of new dewatering pumps at the O'Hare Reservoir. In all cases, the new equipment is superior to the existing equipment and will improve process performance and reduce equipment failures, downtime, and maintenance costs.

Project Justification The project will result in mechanical systems and assets that perform better due to process modifications and improvements and require less maintenance due to their new or like-new condition.

Project Status Planning

Installation of Shaftless Screw Conveyors for Aerated Grit Tanks, CWRP

Project Number 22-801-31

Service Area Calumet

Location Calumet WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$4,600,000

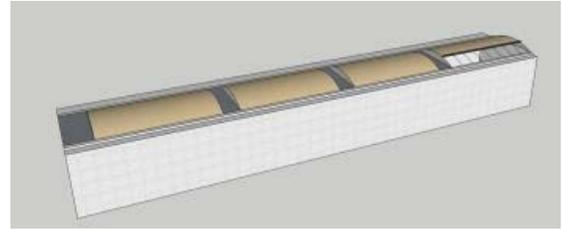
Contract Award Date October 2023

Substantial Completion Date June 2025

Project Description This project entails the demolition of eight traveling bridges and the installation of seven shaftless screw conveyors and eight tank covers / E-fans.

Project Justification The Calumet WRP Grit Building has eight traveling bridge grit tanks which were installed nine years ago. There have been seven bridge misalignment issues in four years. The festoon rollers have been replaced at a cost of approximately \$4,500 per tank. There have also been numerous problems with proximity and limit switches. The District has investigated putting the bridges on rails to eliminate misalignments. The cost of parts alone is \$177,880. A grit conveyor was installed on Grit Tank #2 for \$405,000. Screw conveyors are less complex than the traveling bridges because they have fewer moving parts. Electrical components on the traveling bridges are prone to failure due to hydrogen sulfide. The screw conveyors will be controlled through a distributed control system, so very few electrical components will be exposed to hydrogen sulfide.

Project Status Planning



Furnish, Deliver, and Install Replacement Gearboxes at SEPA Stations Phase II, CSA

Project Number 23-801-31

Service Area Calumet

Location SEPA Stations 2, 3, 4, and 5

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost \$3,200,000

Contract Award Date May 2023

Substantial Completion Date December 2024



Project Description This project will furnish, deliver, and install a replacement gearbox and associated upper and lower bearing for Sidestream Elevated Pool Aeration (SEPA) Stations #2, #3, #4, and #5 in the Calumet Service Area. This project is the Phase II portion of project 20-801-31.

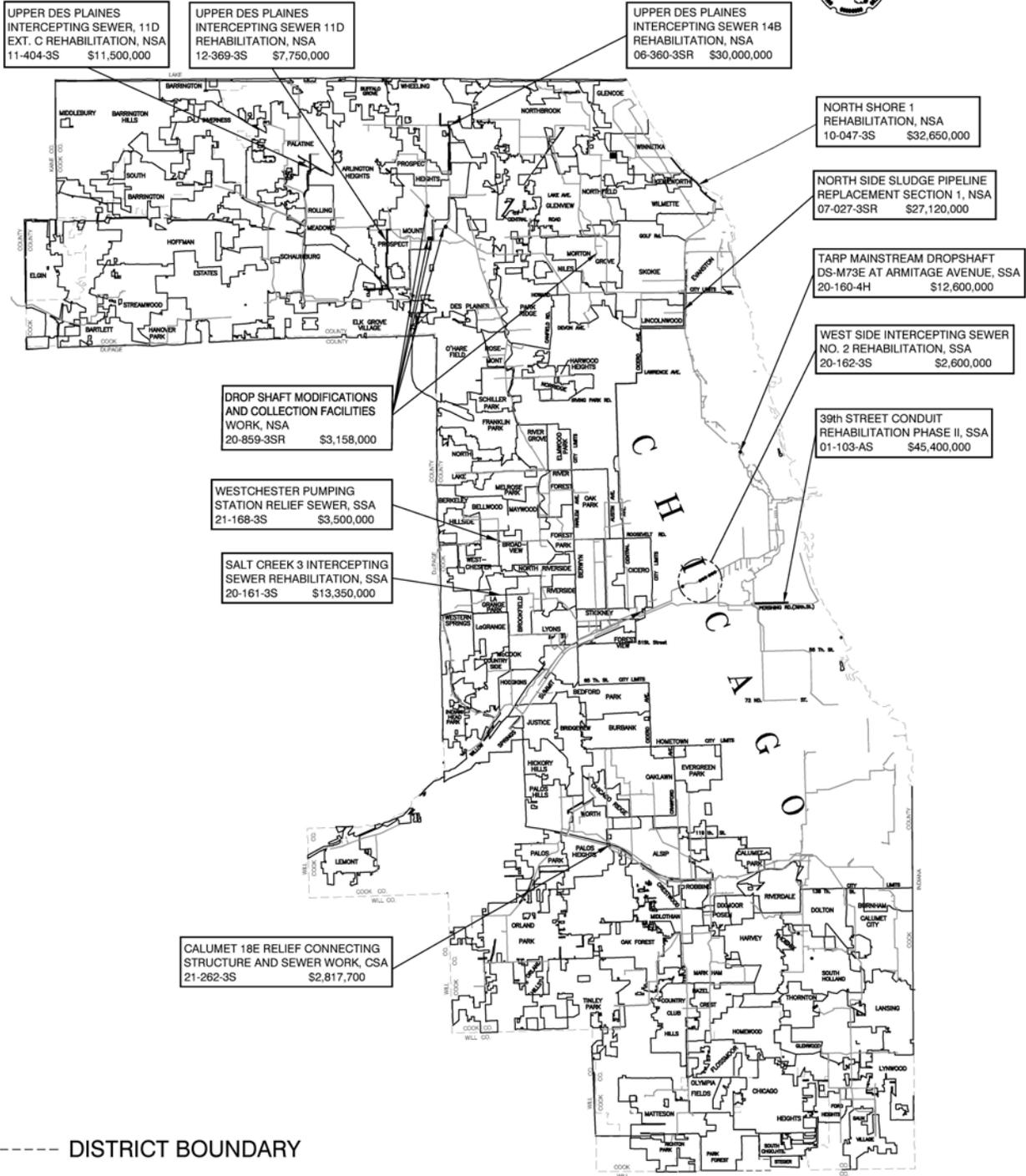
Project Justification Due to changes in the permit that require average dissolved oxygen levels to be increased to 3.0 mg/L to 5.0 mg/L from March through July and 3.5 mg/L from August through February, normal operation may require all SEPA screw pumps to be operated. The SEPA stations have been in service for over 25 years and failures of the oil seals and bearings have increased. This project will help maintain the reliability of these stations and ensure the District continues to meet the Illinois Environmental Protection Agency's waterway dissolved oxygen requirements.

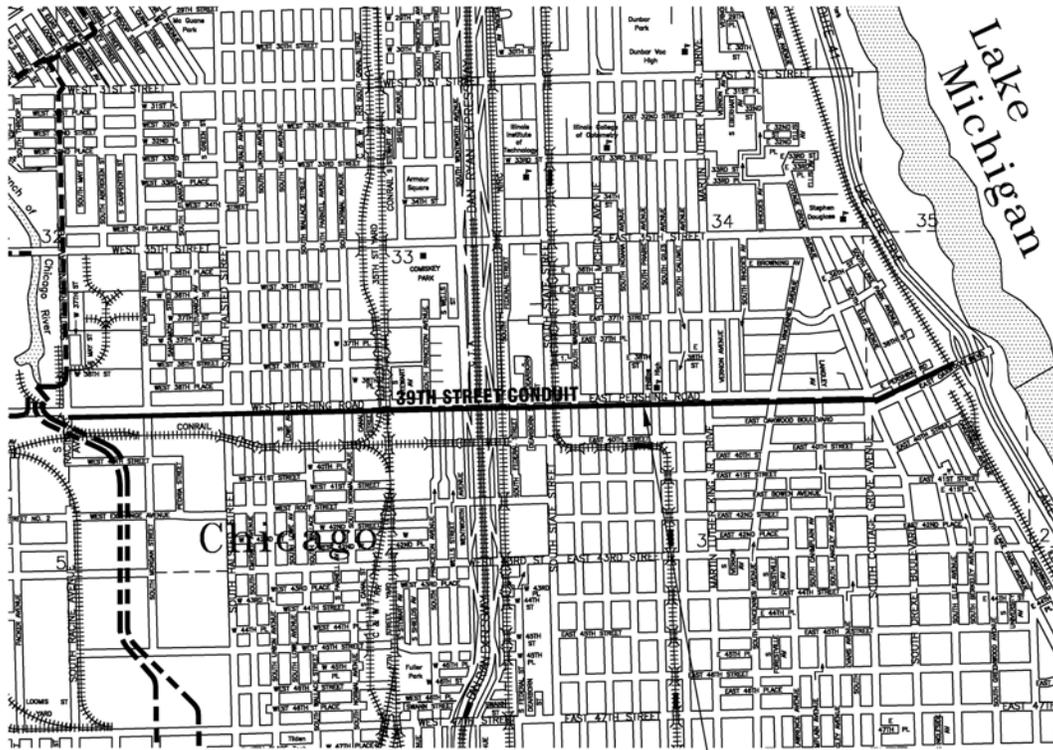
Project Status Planning

Pavement Rehabilitation, LASMA

| | | | |
|------------------------------------|---|--|--|
| Project Number | 23-902-31 |  | |
| Service Area | Stickney | | |
| Location | Lawndale Avenue Solids Management Area | | |
| Engineering Consultant | In-house design | | |
| Engineering Contractor | To be determined | | |
| Estimated Construction Cost | \$8,100,000 | | |
| Contract Award Date | January 2023 | | |
| Substantial Completion Date | December 2024 | | |
| Project Description | This project entails repaving the Lawndale Avenue Solids Management Area drying cells (48 acres) and repaving approaches to the Marathon scale. | | |
| Project Justification | This project will address deteriorating asphalt and modernize the truck scale. | | |
| Project Status | Planning | | |

SEWER DESIGN PROJECT MAP
2023





LOCATION MAP

LEGEND:

- = SEWER TO BE REHABILITATED
- - - -** = EXISTING SEWER

39th STREET CONDUIT REHABILITATION - PHASE II, SSA
 REHABILITATION OF 9,532 FEET OF 20-FOOT DIAMETER SEWER, 367 FEET OF 24' X 27' SEMI-ELLIPTIC CONCRETE SEWER, 2,466 FEET OF 22' X 23' SEMI-ELLIPTIC CONCRETE SEWER, 1,993 FEET OF 22' X 18'-6" BRICK ARCH OVER CONCRETE INVERT HORSESHOE SEWER, 459 FEET OF 12' X 16' DOUBLE BARREL CONCRETE SEWER, 649 FEET OF 12' X 14' DOUBLE BARREL CONCRETE SEWER, ONE 20' DIAMETER BRICK JUNCTION SHAFT, 10 CONNECTING STRUCTURES, AND 14 MANHOLES; AND REPLACEMENT OF A DAMAGED FLAP GATE IN A CONNECTING STRUCTURE
 COST: \$45,400,000

**39th STREET CONDUIT REHABILITATION - PHASE II, SSA
 CONTRACT 01-103-AS**



UPPER DES PLAINES INTERCEPTING SEWER 14B
 REHABILITATION, NSA
 2,888 FEET OF 48-INCH SEWER
 11,908 FEET OF 69-INCH SEWER
 28 MANHOLES/STRUCTURES
 ABANDONING 1 OFFSET MANHOLE
 COST: \$30,000,000



LEGEND:

- = SEWER TO BE REHABILITATED
- = EXISTING SEWER

**UPPER DES PLAINES INTERCEPTING SEWER 14B REHABILITATION, NSA
 CONTRACT 06-360-3SR**



NORTH SIDE SLUDGE PIPELINE REPLACEMENT - SECTION 1, NSA
 19,000 FEET OF 20-INCH DIAMETER FORCE MAIN
 AIR RELIEF, BLOW OFF & CLEANOUT STRUCTURES
 REHABILITATION OF 43 STRUCTURES
 COST: \$27,120,000



LOCATION MAP

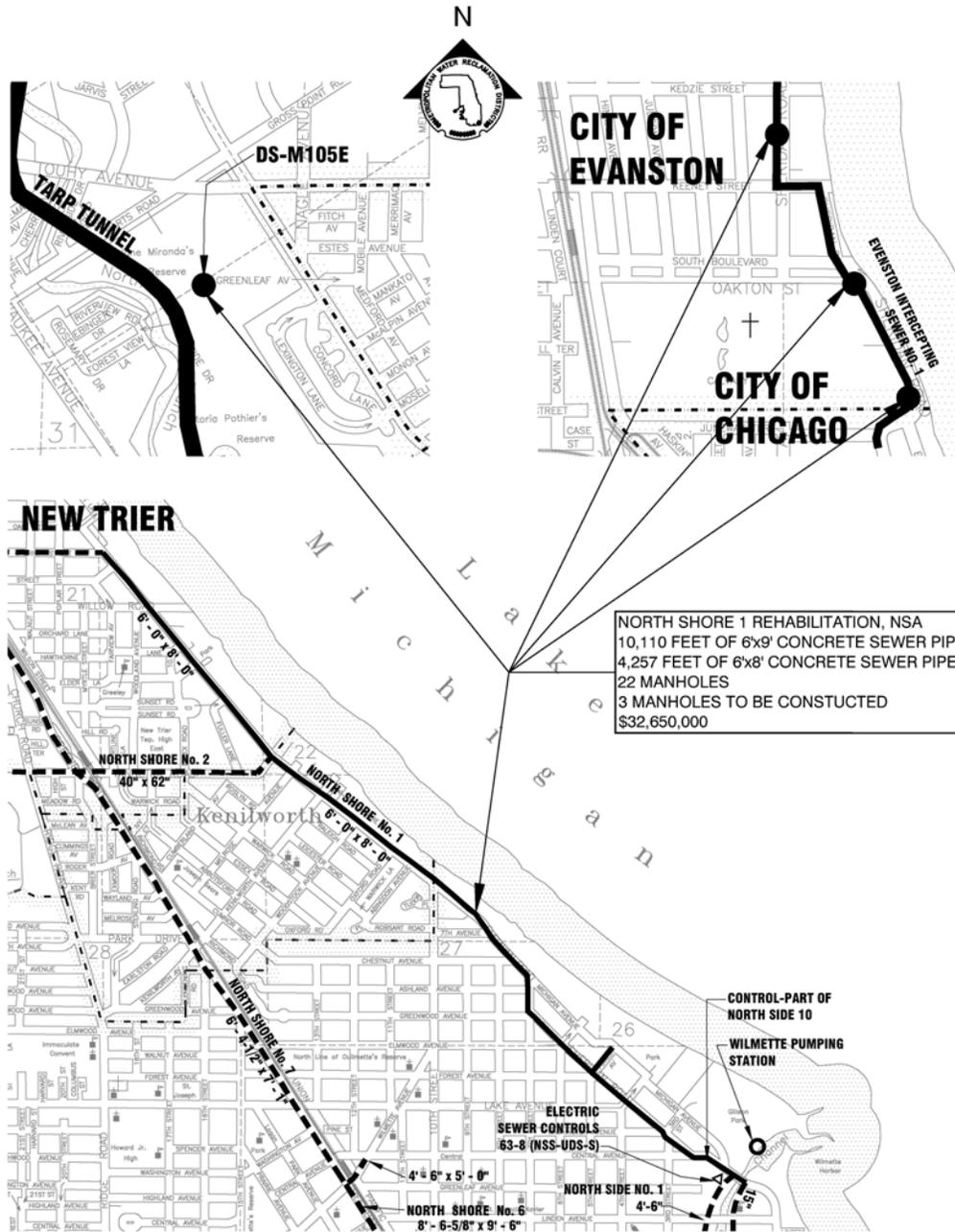


LOCATION MAP

LEGEND:

- = SEWER TO BE REHABILITATED
-** = EXISTING SEWER

**NORTH SIDE SLUDGE PIPELINE REPLACEMENT - SECTION 1, NSA
 CONTRACT 07-027-3SR**

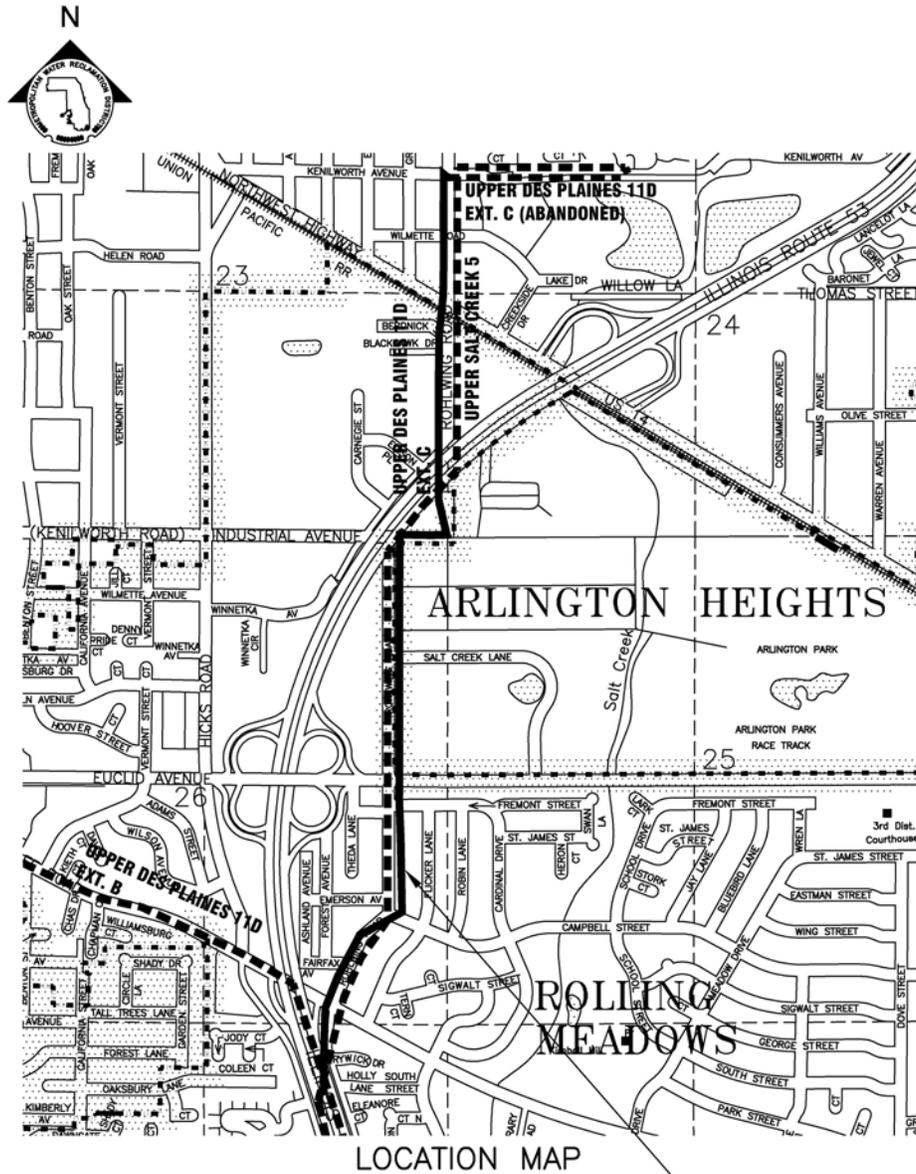


LOCATION MAP

LEGEND:

- = SEWER TO BE REHABILITATED
-** = EXISTING SEWER

**NORTH SHORE 1 REHABILITATION, NSA
CONTRACT 10-047-3S**

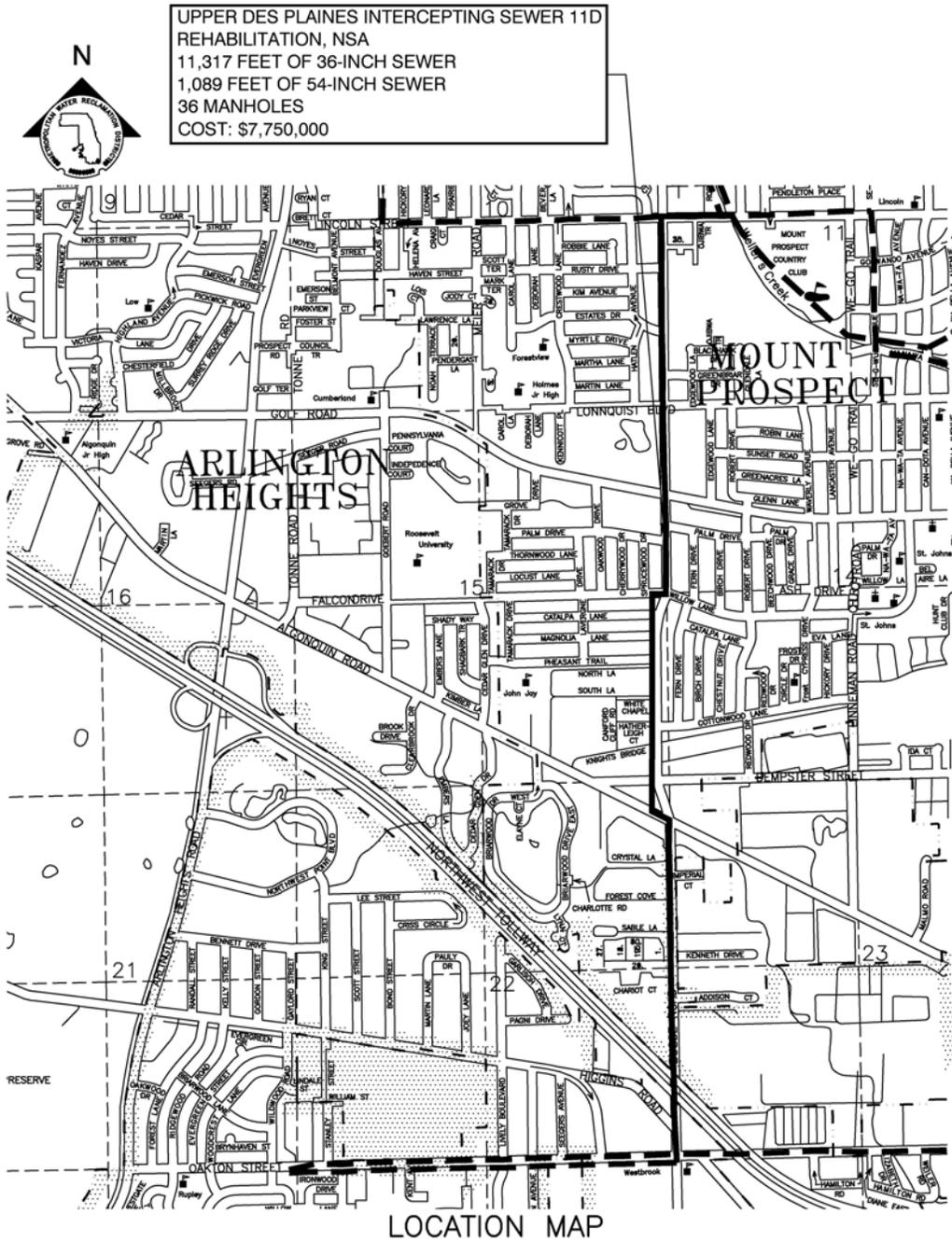


UPPER DES PLAINES INTERCEPTING SEWER 11D, EXT. C REHABILITATION, NSA 10,828 FEET OF 36-INCH DIAMETER SEWER 24 MANHOLES AND ONE CONNECTING STRUCTURE COST: \$11,500,000

LEGEND:

- = SEWER TO BE REHABILITATED
- - - -** = EXISTING SEWER

UPPER DES PLAINES INTERCEPTING SEWER 11D, EXT. C REHABILITATION, NSA CONTRACT 11-404-3S





TARP MAINSTREAM DROPSHAFT DS-M73E AT ARMITAGE AVENUE, SSA
CONSTRUCTION OF A 7'-2" DIAMETER CONCRETE LINED DROPSHAFT
256-FOOT DEEP, CONNECTING SEWER AND LIVE CONNECTION TO
THE MAINSTREAM TARP TUNNEL.
COST: \$12,600,000



LOCATION MAP

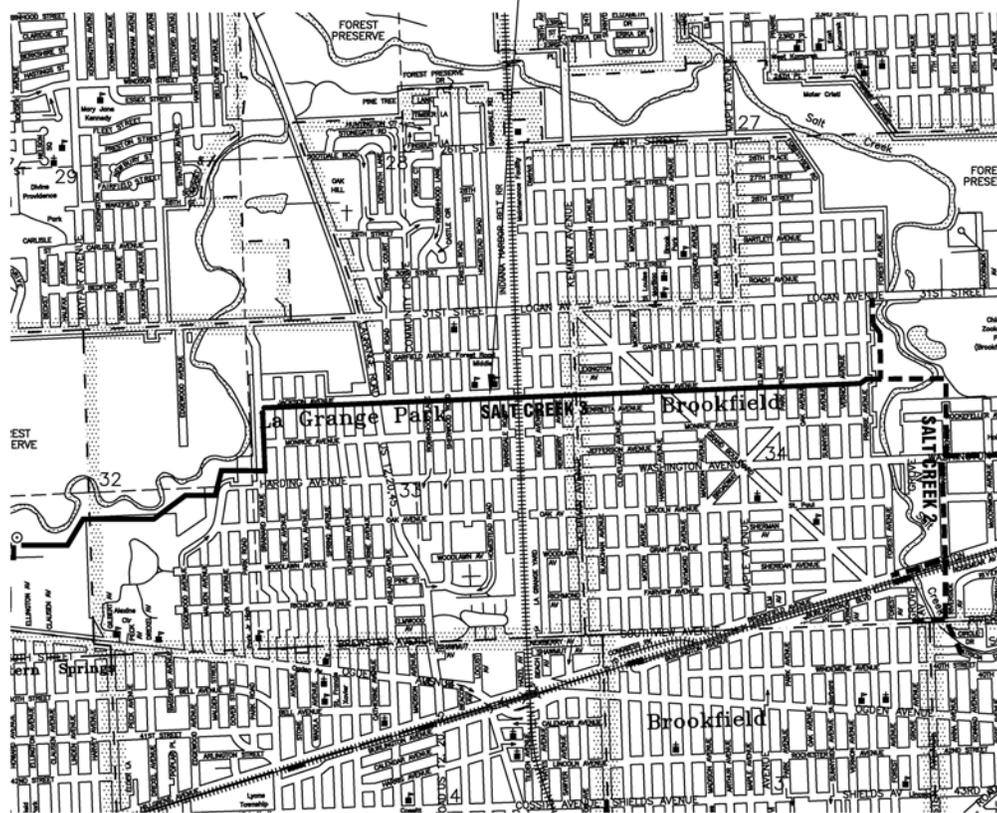
LEGEND:

- = PROPOSED DROP SHAFT
- = EXISTING SEWER

**TARP MAINSTREAM DROPSHAFT DS-M73E AT ARMITAGE AVENUE, SSA
CONTRACT 20-160-4H**



SALT CREEK 3 INTERCEPTING SEWER REHABILITATION, SSA
 11,230 FEET OF 42"x60" CONCRETE SEWER PIPE
 4,410 FEET OF 36-INCH CONCRETE SEWER PIPE
 31 MANHOLES
 FILLING VOIDS IN SEWER INVERT
 COST: \$13,350,000



LOCATION MAP

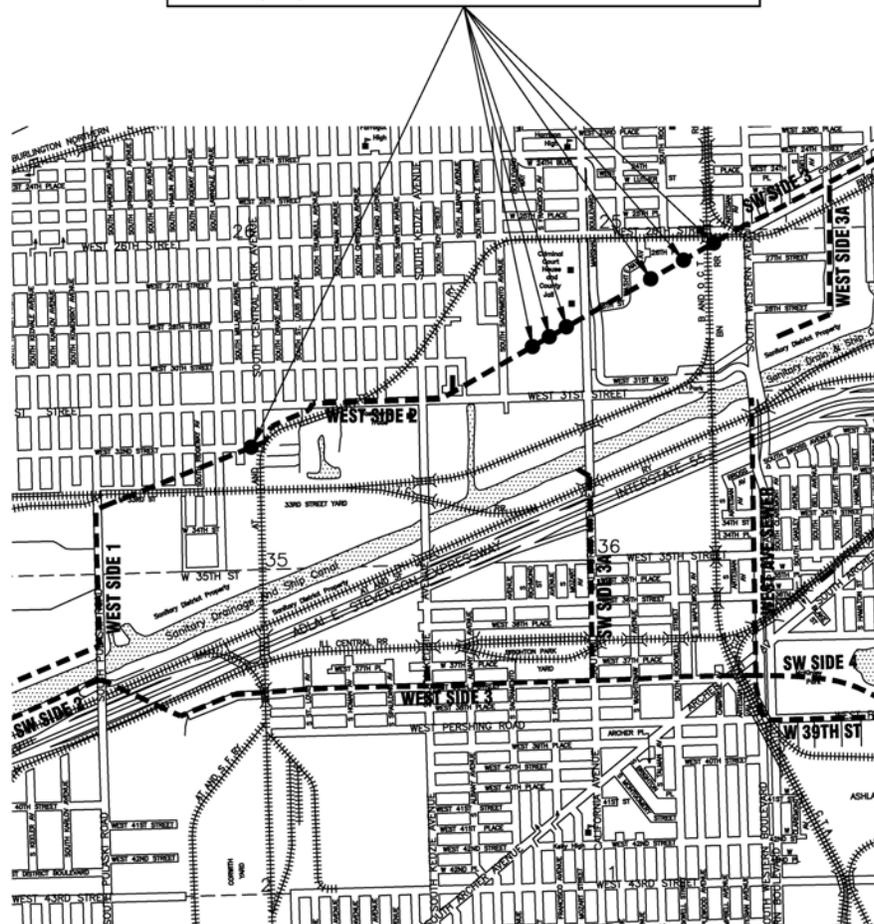
LEGEND:

- = SEWER TO BE REHABILITATED
- - - -** = EXISTING SEWER

**SALT CREEK 3 INTERCEPTING SEWER REHABILITATION, SSA
 CONTRACT 20-161-3S**



WEST SIDE INTERCEPTING SEWER NO. 2 REHABILITATION, SSA
 VARIOUS POINT REPAIRS
 COST: \$2,600,000





DROP SHAFT MODIFICATIONS & COLLECTION FACILITIES WORK, NSA
 REPLACEMENT OF DETERIORATED LOUVERS AND GRATING
 INSTALLATION OF LOUVER SYSTEM AND GRATING AT DS-8
 REMOVAL OF GATE 11, REPLACING GATE 13 AND INSTALLING NEW ACTUATOR AT CONTROL STRUCTURE 10
 INSTALLATION OF LOUVER SYSTEM AND GRATING AT DS-N19
 MODIFICATIONS OF MH 0+00 ON UDP 11B
 COST: \$3,158,000



CS-10 DS-8
 LOCATION MAPS

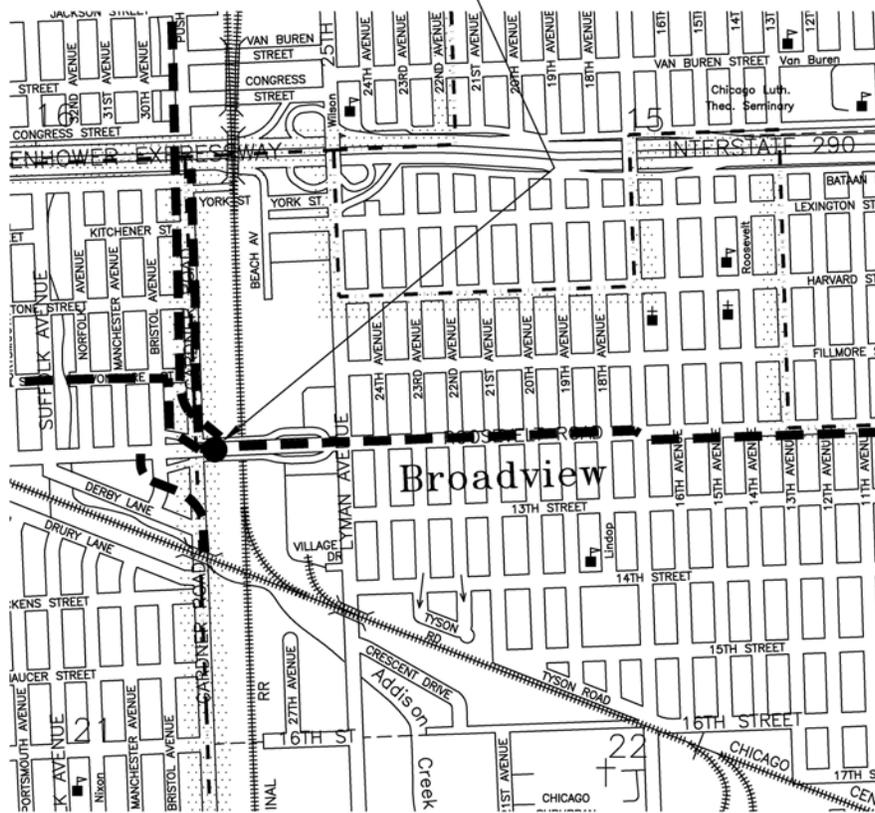
LEGEND:

- = SEWER TO BE REHABILITATED
- - -** = EXISTING SEWER

**DROP SHAFT MODIFICATIONS & COLLECTION FACILITIES WORK, NSA
 CONTRACT 20-859-3SR**



WESTCHESTER PUMPING STATION RELIEF SEWER, SSA
 ONE 36-INCH DIA. MANHOLE
 320 FEET OF 27-INCH DIA. SEWER
 COST: \$3,500,000



LOCATION MAP

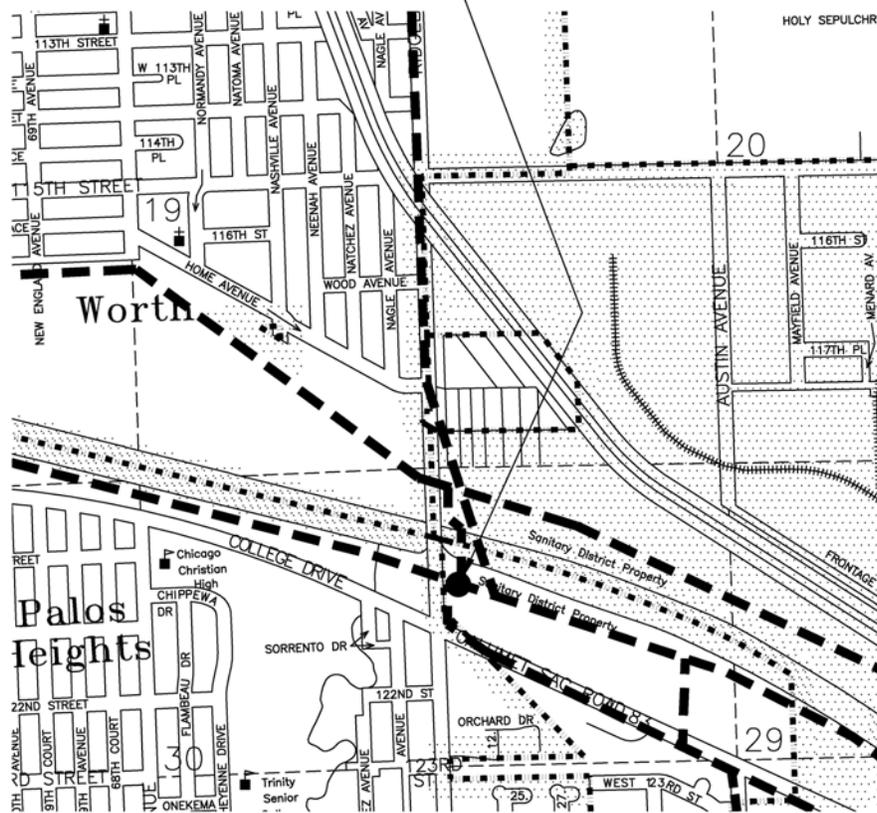
LEGEND:

- = LOCATION OF SEWER MODIFICATIONS
- = EXISTING SEWER

**WESTCHESTER PUMPING STATION RELIEF SEWER, SSA
 CONTRACT 21-168-3S**



CALUMET 18E RELIEF CONNECTING STRUCTURE AND SEWER WORK, CSA
 1 CONNECTING STRUCTURE
 100 FEET OF 48-INCH DIA. CONCRETE SEWER PIPE
 INSTALLATION OF A LOUVER SYSTEM IN THE CALUMET INTERCEPTING SEWER 20R-2 ACCESS MANHOLE
 COST: \$2,817,700



LOCATION MAP

LEGEND:

- = LOCATION OF SEWER MODIFICATIONS
- - - = EXISTING SEWER

**CALUMET 18E RELIEF CONNECTING STRUCTURE AND SEWER WORK, CSA
 CONTRACT 21-262-3S**

Stormwater Management Capital Improvements Bond Fund Program

| Awards in 2023 | | | | |
|--|----------------|------------------------|-----------------|-----------------|
| Project Name | Project Number | Est. Construction Cost | Duration (days) | Est. Award Date |
| * Addison Creek Channel Improvements, SWRP | 11-187-3F | \$ 3,290 | 1,028 | Apr 2023 |
| Total 2023 Awards | | \$ 3,290 | | |

| Projects Under Construction | | | | |
|--|----------------|------------------------|-----------------|------------|
| Projects under construction in the Capital Improvements Bond Fund were appropriated in prior years using the full encumbrance (obligation) method of budgetary accounting. The construction contract award amount and the anticipated project duration are provided in this table. | | | | |
| Project Name | Project Number | Est. Construction Cost | Duration (days) | Award Date |
| Melvina Ditch Reservoir Improvements, SSA | 14-263-3F | \$ 16,527 | 1,956 | Nov 2017 |
| * Lyons and McCook Levee Improvements, SSA | 13-199-3F | 1,358 | 1,888 | Sep 2018 |
| * Addison Creek Reservoir, SSA | 11-186-3F | 77,559 | 1,513 | Jan 2019 |
| Total Projects Under Construction | | \$ 95,444 | | |

* These projects are funded by the Capital Improvements Bond Fund and the Stormwater Management Fund. Refer to Section VI Stormwater Management Fund for more information about the Stormwater Management Capital Improvement Program.

Note: All cost figures are in thousands of dollars; inflation factor is 0 percent.

50000 CAPITAL IMPROVEMENTS BOND FUND

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | Cost | Percent |
|---|-----------------------|----------------|
| 1. COLLECTION FACILITIES: Award nine construction projects: Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA, Rebid, North Shore 1 Rehabilitation, NSA, Salt Creek 3 Intercepting Sewer Rehabilitation, SSA, 39th Street Conduit Rehabilitation - Phase II, SSA, and five other projects. | \$ 148,250,000 | 39.6 % |
| 2. TREATMENT FACILITIES: Award nine construction projects: Phosphorus Removal Modifications to Battery D, OWRP, Battery A Improvements and Battery B Installation of Mechanical Mixers, SWRP, Boilers 3, 4, 5 and MCC Replacement, SWRP, Mechanical Process Improvements, Various Locations, A/B and C/D Service Tunnel Rehabilitation - Phase III, SWRP, Rebid, and four other projects. | \$ 107,411,000 | 28.7 % |
| 3. SOLIDS PROCESSING AND UTILIZATION FACILITIES: Award two construction projects: Digester Rehabilitation and Gas Piping Replacement Phase II, SWRP and Pavement Rehabilitation, LASMA. | \$ 33,600,000 | 9.0 % |
| 4. FLOOD AND POLLUTION CONTROL: Award six construction projects: TARP Control System Replacement, SSA, CSA, NSA, TARP Mainstream Dropshaft DS-M73E at Armitage Avenue, SSA, Rehabilitation of Elevated Deck and Boat Dock at North Branch Pumping Station, NSA, and three other projects. | \$ 54,090,100 | 14.4 % |
| 5. LAND AND RIGHT-OF-WAY ACQUISITION COSTS: Acquisition of land for the expansion of reservoir projects and payments for land easements. | \$ 550,000 | 0.1 % |
| 6. PROJECT SUPPORT: Administration, design, and construction inspection for current and future contracts, funding support, and construction services such as concrete and soil testing. | \$ 30,709,800 | 8.2 % |
| Totals | <u>\$ 374,610,900</u> | <u>100.0 %</u> |

50000 CAPITAL IMPROVEMENTS BOND FUND

OBJECTIVES AND PROGRAM SUMMARY

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | |
|-----------------------|---|---------------|----------|------------------|-----------------|---------|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent |
| 1700 | Collection Design | \$ 875,414 | 2023 | — \$ — | \$ — | — |
| | | | 2022 | — \$ — | | |
| 1800 | Collection Construction | \$ 681,081 | 2023 | — \$ 157,412,500 | \$ 107,675,000 | 216.5 |
| | | | 2022 | — \$ 49,737,500 | | |
| 2700 | Treatment Design | \$ 393,576 | 2023 | — \$ 83,600 | \$ (8,000,000) | (99.0) |
| | | | 2022 | — \$ 8,083,600 | | |
| 2800 | Treatment Construction | \$ 26,261,904 | 2023 | — \$ 118,350,800 | \$ (23,749,200) | (16.7) |
| | | | 2022 | — \$ 142,100,000 | | |
| 2818 | Treatment Claims Prevention and Resolution | \$ — | 2023 | — \$ 45,800 | \$ 30,800 | 205.3 |
| | | | 2022 | — \$ 15,000 | | |
| 3700 | Solids Processing Design | \$ 13,139 | 2023 | — \$ — | \$ (500,000) | (100.0) |
| | | | 2022 | — \$ 500,000 | | |
| 3800 | Solids Processing Construction | \$ 13,336,755 | 2023 | — \$ 26,810,000 | \$ (5,705,000) | (17.5) |
| | | | 2022 | — \$ 32,515,000 | | |
| 4341 | Flood Mitigation Projects Planning and Design | \$ 287,224 | 2023 | — \$ — | \$ (45,000) | (100.0) |
| | | | 2022 | — \$ 45,000 | | |
| 4343 | Flood Mitigation Projects Construction | \$ 19,774,870 | 2023 | — \$ 3,454,800 | \$ (5,995,200) | (63.4) |
| | | | 2022 | — \$ 9,450,000 | | |
| 4344 | Flood Mitigation Projects Contracted with Other Governments | \$ 537,000 | 2023 | — \$ — | \$ — | — |
| | | | 2022 | — \$ — | | |
| 4700 | Flood and Pollution Control Design | \$ 8,234 | 2023 | — \$ 2,250,000 | \$ (500,000) | (18.2) |
| | | | 2022 | — \$ 2,750,000 | | |
| 4800 | Flood and Pollution Control Construction | \$ 14,999,720 | 2023 | — \$ 56,897,500 | \$ 9,352,900 | 19.7 |
| | | | 2022 | — \$ 47,544,600 | | |
| 5800 | Solids Utilization Construction | \$ 4,389,764 | 2023 | — \$ 8,600,000 | \$ 8,100,000 | 1,620.0 |
| | | | 2022 | — \$ 500,000 | | |
| 7601 | Capital Financing Program and Other Related Costs | \$ 299,410 | 2023 | — \$ 455,900 | \$ 3,100 | 0.7 |
| | | | 2022 | — \$ 452,800 | | |
| 7740 | Land and Easements | \$ — | 2023 | — \$ 250,000 | \$ — | — |
| | | | 2022 | — \$ 250,000 | | |
| Totals | | \$ 81,858,091 | 2023 | — \$ 374,610,900 | \$ 80,667,400 | 27.4 % |
| | | | 2022 | — \$ 293,943,500 | | |

Projects budgeted in the Capital Improvements Bond Fund are prioritized based on operational needs, design time frames, and available funding. Year-over-year variances in program area budgets are the result of project timing within the five-year capital planning cycle. The Capital Improvements Bond Fund is budgeted on an obligation basis, meaning the projects are budgeted at their full value in the year they are awarded, whether the project expenditures occur in the same budget year or not.

| 401 50000 | Fund: Capital Improvements Bond Department: Engineering | LINE ITEM ANALYSIS | | | | | | |
|----------------|--|--------------------|--------------------------|------------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation * | Adjusted Appropriation 12/31/22 ** | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 612090 | Reprographic Services | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ — | \$ 10,000 | \$ 10,000 | \$ 10,000 |
| 612250 | Court Reporting Services | — | 40,000 | 65,000 | — | 35,000 | 35,000 | 35,000 |
| 612400 | Intergovernmental Agreements | 5,129,004 | 1,656,600 | 6,229,333 | 439,200 | 5,711,000 | 5,711,000 | 5,711,000 |
| 612430 | Payments for Professional Services | 144,540 | 151,400 | 747,069 | 3,000 | 259,200 | 259,200 | 259,200 |
| 612440 | Preliminary Engineering Reports and Studies | — | 250,000 | 250,000 | — | 250,000 | 250,000 | 250,000 |
| 612450 | Professional Engineering Services for Construction Projects | 1,574,684 | 14,842,100 | 19,521,256 | 1,064,500 | 2,504,000 | 2,504,000 | 2,000,000 |
| 612470 | Personal Services for Post-Award Engineering for Construction Projects | 685,178 | — | 3,089,146 | 632,600 | — | — | — |
| 612780 | Safety Repairs and Services | — | 100,000 | 100,000 | — | 100,000 | 100,000 | 100,000 |
| 200 | TOTAL CONTRACTUAL SERVICES | 7,543,405 | 17,050,100 | 30,011,804 | 2,139,300 | 8,869,200 | 8,869,200 | 8,365,200 |
| 645600 | Collection Facilities Structures | 321,707 | 500,000 | 6,430,179 | 8,900 | 4,175,000 | 4,175,000 | 4,175,000 |
| 645620 | Waterway Facilities Structures | 21,776,201 | 26,255,000 | 100,595,131 | 27,965,500 | 15,230,000 | 18,684,800 | 18,684,800 |
| 645630 | Army Corps of Engineers Services | 5,356,222 | 21,000,000 | 24,252,202 | 9,942,700 | — | — | — |
| 645650 | Process Facilities Structures | 20,257,261 | 65,433,400 | 96,723,521 | 9,982,400 | 28,457,000 | 44,732,000 | 35,975,000 |
| 645680 | Buildings | 640,203 | 500,000 | 655,091 | — | 700,000 | 700,000 | 700,000 |
| 645690 | Capital Projects, N.O.C. | 96,238 | — | — | — | — | — | — |
| 645700 | Preservation of Collection Facility Structures | 2,092,978 | 57,137,500 | 72,014,569 | 7,012,200 | 149,462,500 | 149,462,500 | 153,137,500 |
| 645720 | Preservation of Waterway Facility Structures | 4,877,825 | 8,607,500 | 17,473,291 | 6,298,200 | 40,157,500 | 40,157,500 | 41,357,500 |
| 645750 | Preservation of Process Facility Structures | 14,093,377 | 61,585,000 | 74,644,110 | 7,636,100 | 76,242,500 | 76,242,500 | 110,210,000 |
| 645780 | Preservation of Buildings | 115,588 | 34,925,000 | 41,011,088 | 1,558,400 | 5,200,000 | 5,200,000 | 1,000,000 |
| 500 | TOTAL CAPITAL PROJECTS | 69,627,600 | 275,943,400 | 433,799,182 | 70,404,400 | 319,624,500 | 339,354,300 | 365,239,800 |
| 656010 | Land | — | 300,000 | 300,000 | — | 300,000 | 300,000 | 300,000 |
| 600 | TOTAL LAND | — | 300,000 | 300,000 | — | 300,000 | 300,000 | 300,000 |

| 401 50000 | Fund: Capital Improvements Bond Department: Engineering | LINE ITEM ANALYSIS | | | | | | |
|--------------------------------------|--|--------------------|--------------------------|------------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation * | Adjusted Appropriation 12/31/22 ** | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 667340 | Payments for Easements | — | 250,000 | 250,000 | 148,200 | 250,000 | 250,000 | 250,000 |
| 727102 | Principal - Capital Lease | 2,993,091 | — | 29,024,870 | 3,142,900 | — | — | — |
| 727112 | Interest - Capital Lease | 1,396,673 | — | 6,000,045 | 1,246,900 | — | — | — |
| 767300 | Bond Issuance Costs | 297,322 | 400,000 | 455,854 | — | 455,900 | 455,900 | 455,900 |
| 700 | TOTAL FIXED AND OTHER CHARGES | 4,687,087 | 650,000 | 35,730,770 | 4,538,000 | 705,900 | 705,900 | 705,900 |
| TOTAL CAPITAL IMPROVEMENTS BOND FUND | | \$ 81,858,092 | \$ 293,943,500 | \$ 499,841,756 | \$ 77,081,700 | \$329,499,600 | \$ 349,229,400 | \$ 374,610,900 |

* The Capital Improvements Bond Fund is budgeted and accounted for on an obligation basis.

** The appropriation in the Capital Improvements Bond Fund is adjusted to carry forward open value of contracts from the prior year.

NOTES: 1. Amounts may not add up due to rounding.
 2. Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.
 3. The Capital Improvements Bond Fund appropriation is controlled on the Summary Object level.

NOTE PAGE

SECTION VI

STORMWATER MANAGEMENT FUND

Stormwater Management is organized with all revenues and expenditures accounted for in a separate fund. The District assumed responsibility for stormwater management following the passage of Public Act 93-1049 in November 2004. This law gives the District responsibility for stormwater management for all of Cook County, including areas that currently lie outside the District's boundaries.

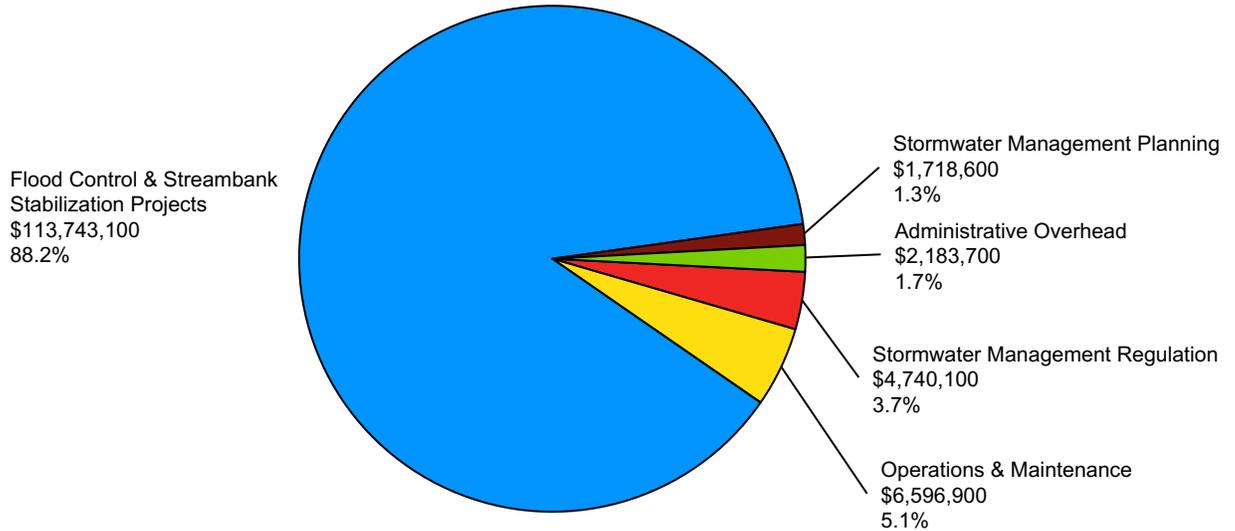
The District has established six watershed planning councils. The purpose of the watershed planning councils is to advise the District on the development and implementation of the countywide stormwater management plan, representing concerns of local governments. Municipal leagues are responsible for coordinating the activities of the watershed planning councils.

Stormwater Management Fund:

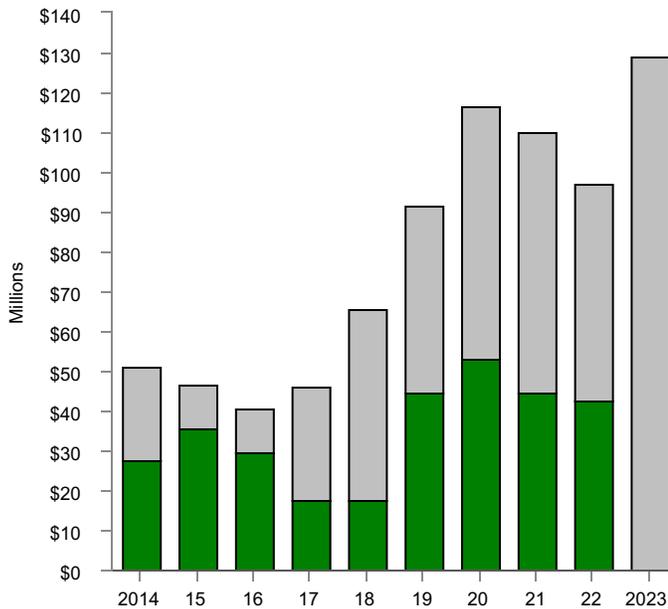
| | |
|---|-----|
| Appropriations, Expenditures, and Budgeted FTE Positions, 2014 - 2023 | 459 |
| Organization Chart | 460 |
| Budget Narrative | 461 |
| Project List | 464 |
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| Objectives and Program Summary | 507 |
| Performance Data | 508 |
| Line Item Analysis | 510 |
| Position Analysis | 512 |

STORMWATER MANAGEMENT FUND FUNCTIONS

| | |
|----------|---------------|
| 2023 | \$128,982,400 |
| 2022 | \$96,981,700 |
| Increase | \$32,000,700 |



APPROPRIATIONS & EXPENDITURES

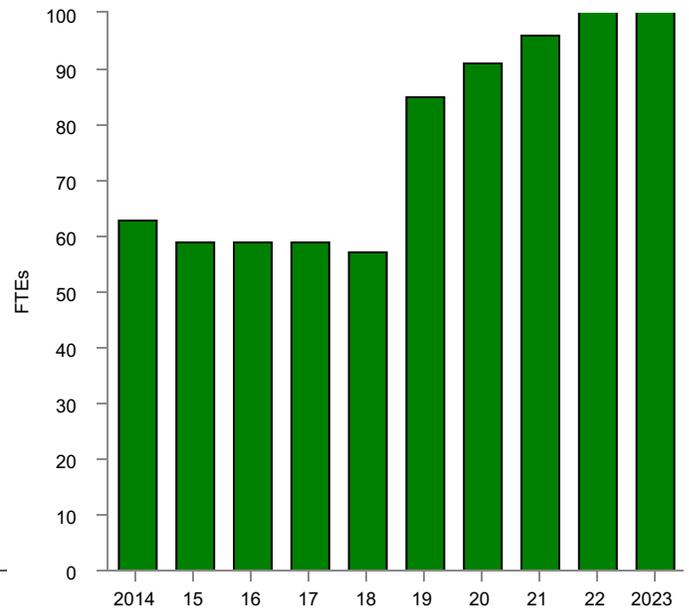


2022 Expenditures are estimated

EXPENDITURES
 APPROPRIATIONS

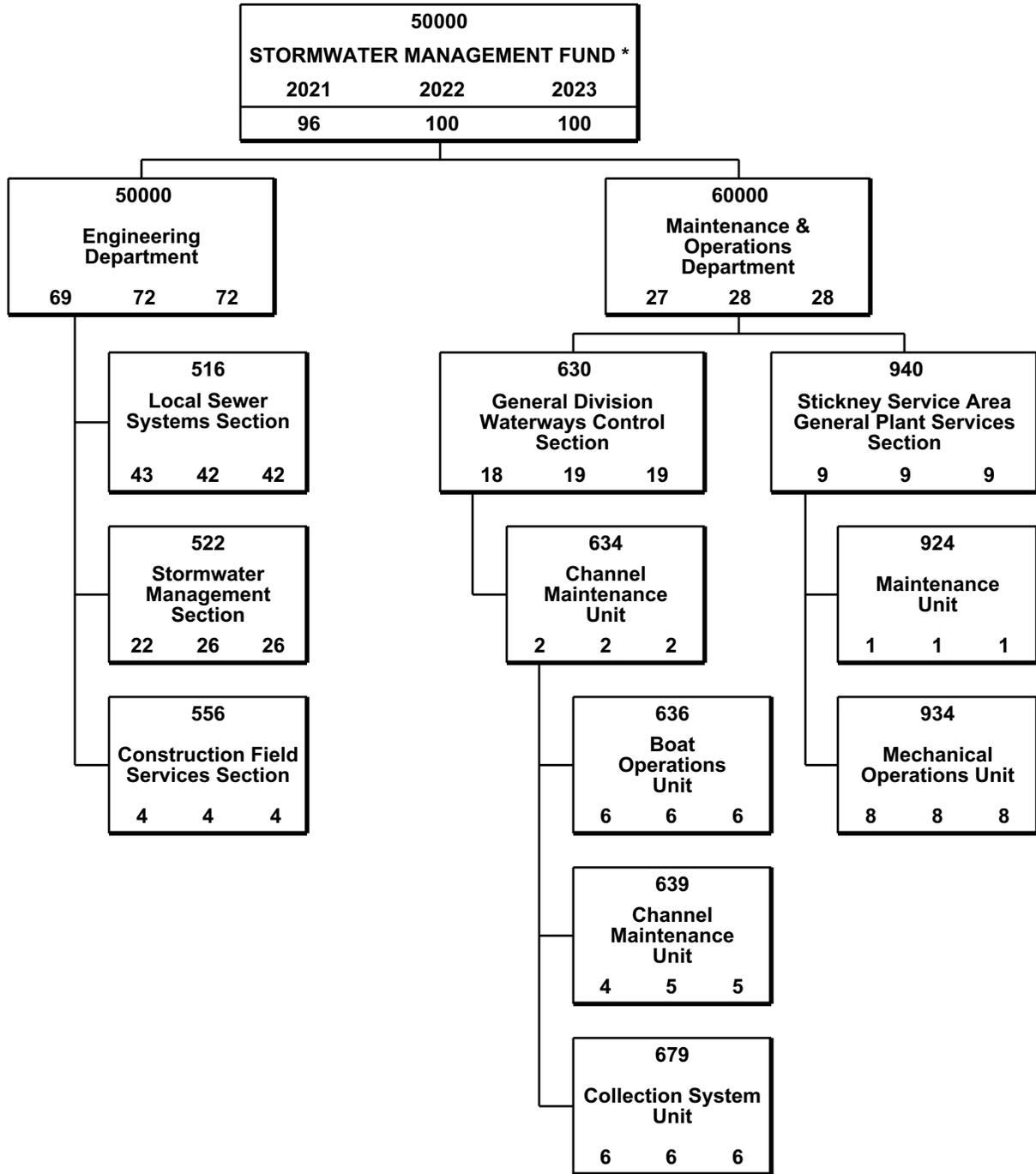
Year-over-year fluctuations in appropriations are the result of project timing.

BUDGETED FTE POSITIONS



Starting in 2019, year-over-year fluctuations are the result of organizational redesign.

STORMWATER MANAGEMENT FUND



* Positions funded by the Stormwater Management Fund are operationally controlled by the Engineering and Maintenance & Operations Departments.

STORMWATER MANAGEMENT FUND

The mission of the Stormwater Management Fund is to protect the safety of Cook County's residents and minimize flooding damage by coordinating, planning, implementing, financing, and operating regional stormwater management projects and to develop and enforce reasonable rules with respect to watershed development.

Fund Summary

The Stormwater Management Fund consolidates the stormwater management activities of the Engineering and Maintenance & Operations Departments and supports the activities outlined in the Cook County Stormwater Management Plan, which serves as a framework for the District's countywide Stormwater Management Program. Under this program, the District has completed Detailed Watershed Plans (DWPs) for all six major watersheds in Cook County, initiated a Stormwater Management Capital Improvement Program, initiated a Small Streams Maintenance Program (SSMP), and adopted and implemented the Watershed Management Ordinance (WMO). Through a variety of engineered solutions, both green and gray, and flood-prone property acquisitions, the District's Stormwater Management Program addresses both regional and local flooding problems throughout Cook County. The District has made significant investments in developing over 220 capital stormwater projects since it assumed the authority for stormwater management in 2004. The implementation of these projects, which range in both size and scope, provide flood protection for thousands of homes, businesses, and critical infrastructure. The Stormwater Management Fund supports the work of the Local Sewer Systems Section, which is responsible for the implementation and enforcement of the WMO. The WMO regulates developments throughout Cook County, sewer construction within the District's service area, and requires compliance with the Infiltration/Inflow Control Program. Information on the Stormwater Management Program and WMO can be found at www.mwr.org/wmo.

Summary of 2022 Major Accomplishments

- Developed a Volumetric Approach to Stormwater Planning to serve as a long-term vision plan that is flexible, dynamic, and compatible with local communities' timeline and strategies for addressing flooding problems;
- Advanced negotiations for strategic partnerships with the Chicago Park District, and Forest Preserve District of Cook County for the planning, prioritization, design, and oversight of Green Infrastructure projects and other Stormwater Management initiatives. Through regular coordination with the City of Chicago, a framework for future strategic partnerships with City agencies is also being developed;
- Conducted a call for Green Infrastructure, local stormwater, and flood-prone property acquisition projects;
- Solicited feedback on Stormwater Partnership Program and related activities from communities;
- Awarded construction of Flood Control projects in the Villages of Crestwood (Flood Control Project in the vicinity of 135th Street and Central Avenue in Crestwood, CSA), Robbins (Diversion Channel for Flood Control Project on Midlothian Creek in Robbins, CSA), and along 1st Avenue in Proviso Township (Flood Control Project on 1st Avenue from Roosevelt Road to Cermak Road, SSA).

2023 Appropriation and Position Summary

The 2023 appropriation for the Stormwater Management Fund is \$128,982,400, an increase of \$32,000,700, or 33.0 percent, from 2022. The staffing level remains unchanged at 100 positions. The increase in operational costs will be partially offset by revenues generated from WMO permit review fees. The increase related to capital improvements will also be offset by revenue from federal, state, and other grants.

2023 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Stormwater Management. The initiatives below illustrate how the District continues to mitigate flooding across Cook County through a proactive, equitable, stormwater management program.

Develop comprehensive framework to guide proactive implementation of stormwater solutions

- Issue WMO permits and provide information to design engineers, property owners, and municipalities to facilitate the permit submittal process, as shown on the bar chart below;
- Update sections of the Technical Guidance Manual to facilitate compliance with the WMO;
- Provide guidance to satellite entities to help them achieve compliance with the Infiltration/Inflow Control Program;
- Respond to requests for removal of debris from small streams and rivers under the SSMP;
- Implement the Volumetric Approach to the Stormwater Master Planning and prioritize areas identified with additional storage opportunities to address flooding problems.

Identify and pursue opportunities for partnering on multi-benefit projects

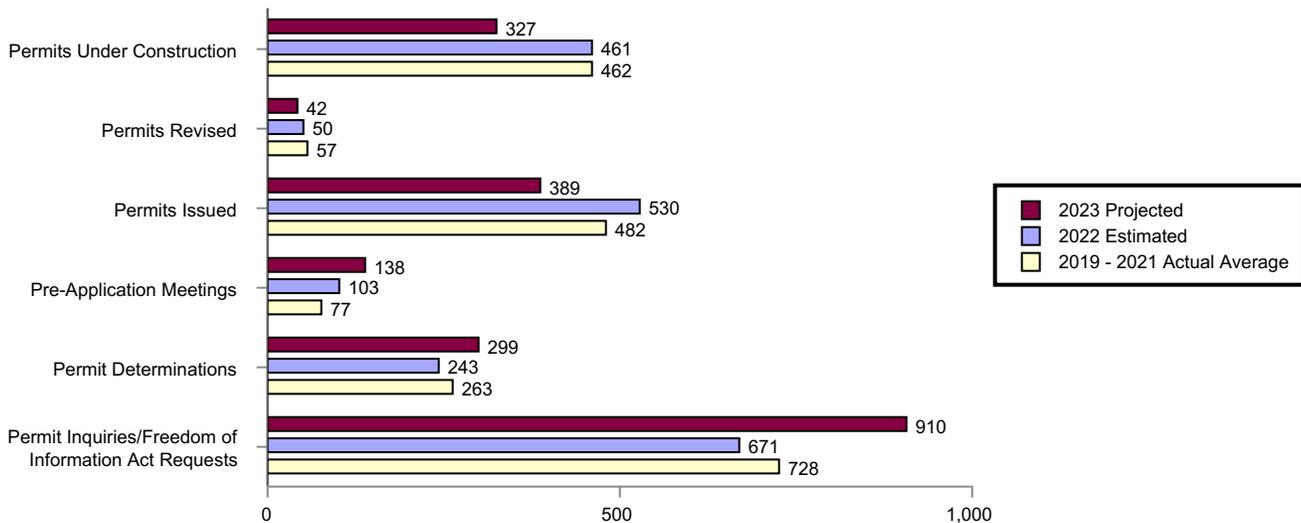
- Advance strategic partnerships with the Chicago Park District and other agencies to facilitate projects that provide stormwater and other environmental benefits;

- Provide technical assistance in identification and evaluation of solutions to local stormwater issues through preliminary engineering services;
- Advance stormwater partnerships for Green Infrastructure, local stormwater projects, and flood-prone property acquisitions with local communities and other agencies;
- Identify and pursue opportunities for partnering on multi-benefit projects and for coordination with other agencies to minimize the cost of potential stormwater management projects through grants and other funding resources.

Identify and pilot stormwater management best practices

- Provide technical guidance to property owners interested in constructing offsite stormwater detention and volume control facilities in accordance with the ongoing pilot study;
- Advance the pilot study for a suburban green schoolyard program.

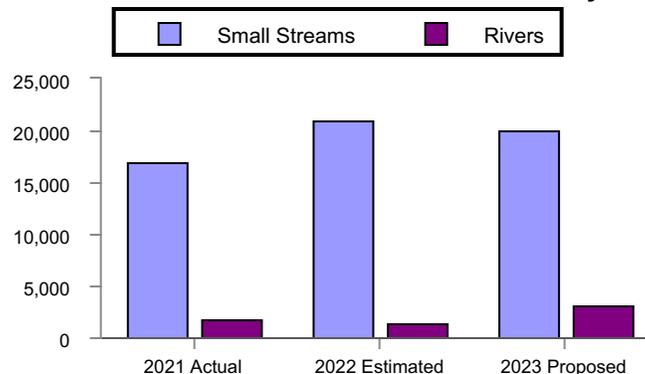
Permit Activity



SMALL STREAMS MAINTENANCE PROGRAM

Through the management of the SSMP, the Maintenance & Operations Department works to reduce flooding in urbanized areas. Cook County has little elevation fluctuation; therefore, its streams tend to move slowly and are naturally prone to flooding. Many developed areas were originally uninhabited muddy marshes with meandering streams that often overtopped their banks. The streams that flow through the neighborhoods of Cook County are more than just a scenic part of the landscape or a habitat for wildlife. They serve the vital function of draining stormwater and preventing flooding. In order to function properly, the streams must be maintained. The SSMP’s top priorities are removing blockages such as log jams, beaver dams, and other material and debris from the streams and preventing future blockages by removing dead and unhealthy trees and invasive species, such as buckthorn and honeysuckle, which choke out native vegetation from the streambanks.

Cubic Yards of Debris Removed from Small Streams and Rivers in Cook County



CAPITAL IMPROVEMENT PROGRAM

The focus of many of the Stormwater Capital Improvement Program's projects is on regional waterways in highly urbanized areas. During the design of these projects, the District focuses on utilizing natural methods for addressing streambank erosion, including the use of biostabilization measures, such as vegetated geogrids, geocells, turf reinforcing mats, and native vegetation, wherever practical.

The Board of Commissioners prioritizes potential projects arising from the DWPs on a countywide basis. Two categories have been established for DWP projects. The first category is streambank stabilization, which involves addressing critical active streambank erosion threatening public safety, structures, and/or infrastructure. The second category is flood control, which addresses regional overbank flooding.

The Stormwater Management Capital Improvement Program utilizes a variety of financing methods including bonds, state revolving fund loans, and grants, while the majority of projects are funded by property tax supported pay-as-you-go financing. The District actively pursues Federal and State grants to fund regional and local flood control projects. In 2022 and 2023, the District expects to receive \$38.8 million in grants and reimbursements, including \$12.0 million received in 2022 and \$7.2 million requested for 2023 from the Army Corps of Engineers as a reimbursement for work completed on the Thornton Composite Reservoir. This funding will be used to fund a flood control project on Midlothian Creek in Robbins. Partnering with Cook County, \$20.0 million in American Rescue Plan Act funding to address localized flooding will be received over four years, including an estimated \$4.6 million in 2023.

Maps of flood control projects, existing flood control reservoirs, Intergovernmental Agreement projects, and Green Infrastructure projects can be found on pages 503 - 506.

FLOOD-PRONE PROPERTY ACQUISITION PROGRAM

The District's statutory authority for Stormwater Management in Cook County (70 ILCS 2605/7h) was amended in 2014 to allow for the acquisition of flood-prone properties. Subsequent to amending the Cook County Stormwater Management Plan to be consistent with Public Act 98-0652, the District's Board of Commissioners adopted a policy on selection and prioritization of projects for acquiring flood-prone property, which is comprised of three distinct components, as follows:

- Local Sponsorship Assistance Program: The District's top priority will be to facilitate the Illinois Emergency Management Agency's federally funded program by assisting local sponsor communities in providing their share of the cost for property acquisition;
- District Initiated Program: The cost of a property acquisition alternative will be estimated for any approved project and compared to the estimated cost of the structural project determined through a preliminary engineering analysis. Should the cost of the property acquisition alternative be less than the structural project, and the benefits at least equivalent, the acquisition alternative will be pursued in lieu of the structural project;
- Local Government Application Program: The District will consider applications directly from local governments requesting property acquisition of specific flood-prone structures.

The District solicited applications from municipalities and townships for assistance with the acquisition of flood-prone structures located throughout Cook County and entered into intergovernmental agreements to partner with five communities to acquire 52 flood-prone residential structures. These acquisitions will be completed in 2022 and 2023. Based on the success of the District's program, additional solicitations will be made to identify opportunities to assist local communities with flood-prone property acquisitions in the future.

Stormwater Management Fund Program

| Awards in 2023 | | | | | | |
|---|----------------|------------------------|--------------------|-----------------|-----------------|--|
| Project Name | Project Number | Est. Construction Cost | 2023 Appropriation | Duration (days) | Est. Award Date | |
| Oriole Avenue Flood Mitigation Project in Harwood Heights, SSA | 20-IGA-30 | \$ 412 | \$ 412 | 207 | Jan 2023 | |
| Flood Control Project on Midlothian Creek in Robbins, CSA | 14-253-5F | 11,000 | 9,800 | 503 | Feb 2023 | |
| Storm Sewers and Outfall in Forest View, SSA | 18-IGA-28 | 1,000 | 1,000 | 180 | Feb 2023 | |
| 119th Place Bioswale and Permeable Alley in Blue Island, CSA | 20-IGA-03 | 250 | 250 | 137 | Feb 2023 | |
| Flood Control Project on Willow Road at McDonald Creek Tributary A in Prospect Heights, NSA | 20-IGA-23 | 1,800 | 1,800 | 395 | Feb 2023 | |
| Flood Control Project in the Worth Woods Subdivision in Worth, CSA | 14-256-5F | 2,500 | 900 | 451 | Mar 2023 | |
| Flood Control in the vicinity of 131st Street and Cypress Lane in Palos Heights, CSA | 14-259-5F | 449 | 449 | 207 | Mar 2023 | |
| Brookfield Zoo North Parking Lot Green Infrastructure Renovation in Brookfield, SSA | 21-IGA-09 | 400 | 400 | 89 | Mar 2023 | |
| * Addison Creek Channel Improvements, SWRP | 11-187-3F | 56,850 | 20,016 | 1,028 | Apr 2023 | |
| Main Street Improvements Project in Evanston, NSA | 21-IGA-06 | 323 | 323 | 225 | Apr 2023 | |
| Detention Basin Naturalization in Oak Lawn, CSA | 22-IGA-06 | 94 | 94 | 119 | May 2023 | |
| Streambank Stabilization Project on Tinley Creek, CSA | 19-IGA-22 | 3,800 | 1,900 | 484 | Jun 2023 | |
| Acacia Acres Flood Relief Project in Lyons Township, SSA | 22-IGA-08 | 1,000 | 672 | 147 | Jun 2023 | |
| Flood Control Project on Farmers and Prairie Creeks, NSA | 12-056-5F | 14,100 | 7,721 | 713 | Sep 2023 | |
| Total 2023 Awards | | \$ 93,978 | \$ 45,737 | | | |

| Projects Under Construction | | | | | | |
|--|----------------|------------------------|--------------------|-----------------|------------|--|
| Project Name | Project Number | Est. Construction Cost | 2023 Appropriation | Duration (days) | Award Date | |
| Construction of a Levee along Thorn Creek at Arquilla Park in Glenwood, CSA | 15-IGA-14 | \$ 3,870 | \$ 1,000 | 2,372 | Nov 2016 | |
| * Lyons and McCook Levee Improvements, SSA | 13-199-3F | 2,500 | 2,500 | 1,888 | Sep 2018 | |
| Groveland Avenue Levee Improvements in Riverside, SSA | 18-IGA-20 | 2,506 | 1,600 | 2,529 | Dec 2018 | |
| * Addison Creek Reservoir, SSA | 11-186-3F | 12,386 | — | 1,513 | Jan 2019 | |
| Pilot Study for Investigating Technology to Address Basement Backups, CSA | 16-IGA-20 | 400 | 400 | 2,183 | Jun 2019 | |
| Flood Control Project in the vicinity of 135th Street and Central Avenue in Crestwood, CSA | 14-258-5F | 7,602 | 3,158 | 556 | Mar 2022 | |
| Diversion Channel for Flood Control Project on Midlothian Creek in Robbins, CSA | 14-253-AF | 9,543 | 7,031 | 544 | Apr 2022 | |
| Flood Control Project on 1st Avenue from Roosevelt Road to Cermak Road, SSA | 14-111-5FR | 9,577 | 8,077 | 391 | May 2022 | |
| Wetland and Park Storage Projects in Winnetka, NSA | 18-IGA-24 | 500 | 250 | 660 | Jun 2022 | |
| Winchester Avenue Green Infrastructure Project in Calumet Park, CSA | 18-IGA-02 | 360 | 180 | 144 | Aug 2022 | |
| Garfield Park Community Eco Orchard in Chicago, SSA | 18-IGA-05 | 500 | 500 | 100 | Sep 2022 | |
| Culvert Upsizing and Channel Improvements on Boca Rio Ditch in Oak Forest, CSA | 18-IGA-26 | 810 | 810 | 377 | Sep 2022 | |

Projects Under Construction (continued)

| Project Name | Project Number | Est. Construction Cost | 2023 Appropriation | Duration (days) | Award Date |
|--|----------------|------------------------|--------------------|-----------------|------------|
| Detention Basin at Butterfield Creek in Richton Park, CSA | 20-IGA-38 | \$ 2,000 | \$ 1,000 | 336 | Sep 2022 |
| Acquisition of Flood-Prone Properties Des Plaines Phase IV, NSA | 20-IGA-24 | 5,000 | 3,611 | 631 | Oct 2022 |
| Flanagin Subdivision: North Creek Flood Relief Project in Lansing, CSA | 20-IGA-37 | 1,600 | 1,600 | 252 | Oct 2022 |
| Acquisition of Flood-Prone Properties in Lyons, CSA | 21-IGA-24 | 3,000 | 1,675 | 560 | Oct 2022 |
| Van Buren & 5th Area Storm Relief Project in Maywood, SSA | 20-IGA-29 | 4,000 | 1,876 | 685 | Dec 2022 |
| Total Projects Under Construction | | \$ 66,154 | \$ 35,268 | | |

Projects Under Development

| Project Name | Project Number | Est. Construction Cost | 2023 Appropriation | Duration (days) | Est. Award Date |
|--|----------------|------------------------|--------------------|-----------------|-----------------|
| Central Park Stormwater Detention Basin and Separate Storm Sewer Improvements in Harvey, CSA | 18-249-AF | \$ 9,657 | \$ — | 452 | Jan 2024 |
| Acquisition of Flood-Prone Properties in Palatine Township, NSA | 20-IGA-26 | 600 | — | 360 | Jan 2024 |
| Flood Control Project for the Washington Street Area in Blue Island, CSA | 21-IGA-28 | 5,700 | — | 133 | Jan 2024 |
| Lake Katherine Commuter Parking Lot in Palos Heights, CSA | 18-IGA-14 | 184 | — | 90 | Jun 2024 |
| Flood Control Project on Central Road from Des Plaines River to Glenwood Lane, NSA | 14-065-5F | 12,000 | — | 828 | Oct 2024 |
| Flood Control Project on Calumet-Sag Tributary C in Bremen Township, Midlothian, and Crestwood, CSA | 21-IGA-18 | 3,780 | — | 329 | Oct 2024 |
| Flood Control Project along Plainfield Road in Countryside, La Grange, McCook, and Lyons Township, SSA | 14-112-5F | 17,000 | — | 683 | Nov 2024 |
| Total Future Awards | | \$ 48,921 | | | |
| Cumulative Projects Under Construction, 2023 Awards, and Future Awards | | \$ 209,053 | | | |

* This project is funded by the Capital Improvements Bond Fund and the Stormwater Management Fund.

Refer to Section V Capital Budget for more information about Stormwater Management projects funded by alternative bonds.

Note: All cost figures are in thousands of dollars; inflation factor is 0 percent.

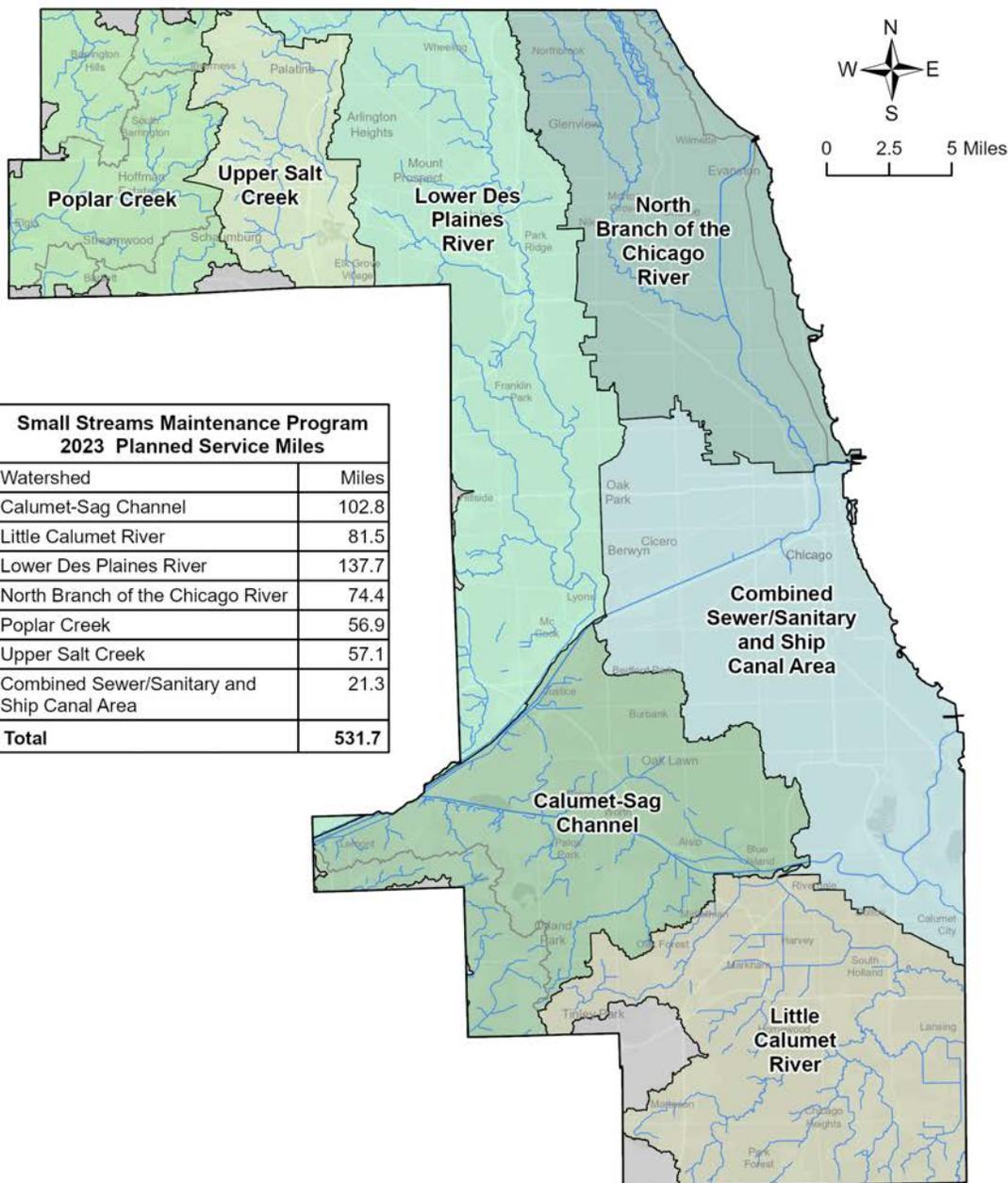
The Stormwater Management local cost-sharing programs for Green Infrastructure projects and stormwater projects, along with flood-prone property acquisitions and projects that are in the preliminary stages of design, will continue to be a priority for the District in addressing flooding due to increased intense rain events that overwhelm current infrastructure throughout Cook County. The table below provides planned expenditures for the fiscal years 2024-2027 not included in the detailed list of Projects Under Development presented above.

2024-2027 Projects Under Development

| Projects | 2024 | 2025 | 2026 | 2027 | Total 2024-2027 |
|---|------------------|------------------|------------------|------------------|--------------------|
| Green Infrastructure Projects Intergovernmental Agreements | \$ 5,000 | \$ 5,000 | \$ 8,000 | \$ 8,000 | \$ 26,000 |
| Local Stormwater Projects Intergovernmental Agreements | 5,000 | 5,000 | 8,000 | 8,000 | 26,000 |
| Flood-Prone Property Acquisitions | 5,000 | 5,000 | 5,000 | 5,000 | 20,000 |
| Future Stormwater Projects (projects currently under preliminary design) | 5,000 | 5,000 | 20,000 | 20,000 | 50,000 |
| 18-082-5F, Citation Lake Stormwater Improvements in Northfield Township, NSA | 3,000 | 2,000 | 2,000 | 2,000 | 9,000 |
| 18-146-5F, 91st and Orchard Basin Improvements in Willow Springs, SSA | 850 | — | — | — | 850 |
| 18-249-5F, Flood Relief for Residential Areas near 147th Street and Wood in Harvey, CSA | 4,000 | 4,000 | — | — | 8,000 |
| 18-250-5F, Stony Creek Flood Control Improvements, CSA | — | 1,675 | 1,675 | — | 3,350 |
| 18-251-5F, Roberts Road Drainage Improvements in Palos Hills, CSA | 3,000 | 3,000 | — | — | 6,000 |
| 18-252-5F, Thorn Ditch Flood Mitigation Project in South Holland, CSA | 1,000 | — | — | — | 1,000 |
| Anticipated District Stormwater Projects from Master Planning | — | — | 20,325 | 22,000 | 42,325 |
| Total | \$ 31,850 | \$ 30,675 | \$ 65,000 | \$ 65,000 | \$ 192,525 |

Note: All cost figures are in thousands of dollars; inflation factor is 0 percent.

STORMWATER MANAGEMENT WATERSHEDS



| Small Streams Maintenance Program 2023 Planned Service Miles | |
|---|--------------|
| Watershed | Miles |
| Calumet-Sag Channel | 102.8 |
| Little Calumet River | 81.5 |
| Lower Des Plaines River | 137.7 |
| North Branch of the Chicago River | 74.4 |
| Poplar Creek | 56.9 |
| Upper Salt Creek | 57.1 |
| Combined Sewer/Sanitary and Ship Canal Area | 21.3 |
| Total | 531.7 |

CAPITAL PROJECTS LISTED BY WATERSHED - STORMWATER MANAGEMENT FUND

The following is a list of projects presented by their association with one of the six major Cook County watersheds and by their completion status: projects for 2023 award, under construction, or under development. A map of the watersheds can be found on the previous page.

CALUMET-SAG CHANNEL

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|------------------------------------|---|--|--|
| Projects for 2023 Award | | | |
| 14-256-5F | Flood Control Project in the Worth Woods Subdivision in Worth, CSA | | \$ 2,500,000 |
| 14-259-5F | Flood Control in the vicinity of 131st Street and Cypress Lane in Palos Heights, CSA | | 449,000 |
| 19-IGA-22 | Streambank Stabilization Project on Tinley Creek, CSA | | 3,800,000 |
| 20-IGA-03 | 119th Place Bioswale and Permeable Alley in Blue Island, CSA | | 250,000 |
| 22-IGA-06 | Detention Basin Naturalization in Oak Lawn, CSA | | 93,800 |
| | | Total | \$ 7,092,800 |
| Projects Under Construction | | | |
| 14-253-AF | Diversion Channel for Flood Control Project on Midlothian Creek in Robbins, CSA | 10/23 | \$ 9,543,000 |
| 14-258-5F | Flood Control Project in the vicinity of 135th Street and Central Avenue in Crestwood, CSA | 09/23 | 7,602,065 |
| 18-IGA-02 | Winchester Avenue Green Infrastructure Project in Calumet Park, CSA | 01/23 | 360,000 |
| 18-IGA-26 | Culvert Upsizing and Channel Improvements on Boca Rio Ditch in Oak Forest, CSA | 10/23 | 810,000 |
| | | Total | \$ 18,315,065 |
| Projects Under Development | | | |
| 18-IGA-14 | Lake Katherine Commuter Parking Lot in Palos Heights, CSA | | \$ 184,000 |
| 21-IGA-18 | Flood Control Project on Calumet-Sag Tributary C in Bremen Township, Midlothian, and Crestwood, CSA | | 3,780,000 |
| 21-IGA-28 | Flood Control Project for the Washington Street Area in Blue Island, CSA | | 5,700,000 |
| | | Total | \$ 9,664,000 |
| | Calumet-Sag Channel Grand Total | | \$ 35,071,865 |

LITTLE CALUMET RIVER

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|------------------------------------|--|--|--|
| Projects for 2023 Award | | | |
| 14-253-5F | Flood Control Project on Midlothian Creek in Robbins, CSA | | \$ 11,000,000 |
| | | Total | \$ 11,000,000 |
| Projects Under Construction | | | |
| 15-IGA-14 | Construction of a Levee along Thorn Creek at Arquilla Park in Glenwood, CSA | 05/23 | \$ 3,870,000 |
| 20-IGA-37 | Flanagin Subdivision: North Creek Flood Relief Project in Lansing, CSA | 06/23 | 1,600,000 |
| 20-IGA-38 | Detention Basin at Butterfield Creek in Richton Park, CSA | 09/23 | 2,000,000 |
| | | Total | \$ 7,470,000 |
| Projects Under Development | | | |
| 18-249-AF | Central Park Stormwater Detention Basin and Separate Storm Sewer Improvements in Harvey, CSA | | \$ 9,657,000 |
| | | Total | \$ 9,657,000 |
| | Little Calumet River Grand Total | | \$ 28,127,000 |

LOWER DES PLAINES RIVER

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|------------------------------------|--|--|--|
| Projects for 2023 Award | | | |
| 11-187-3F | * Addison Creek Channel Improvements, SWRP | | \$ 56,849,853 |
| 12-056-5F | Flood Control Project on Farmers and Prairie Creeks, NSA | | 14,100,000 |
| 20-IGA-23 | Flood Control Project on Willow Road at McDonald Creek Tributary A in Prospect Heights, NSA | | 1,800,000 |
| 20-IGA-30 | Oriole Avenue Flood Mitigation Project in Harwood Heights, SSA | | 411,600 |
| 21-IGA-09 | Brookfield Zoo North Parking Lot Green Infrastructure Renovation in Brookfield, SSA | | 400,000 |
| 22-IGA-08 | Acacia Acres Flood Relief Project in Lyons Township, SSA | | 1,000,000 |
| | | Total | \$ 74,561,453 |
| Projects Under Construction | | | |
| 11-186-3F | * Addison Creek Reservoir, SSA | 03/23 | \$ 12,385,813 |
| 13-199-3F | * Lyons and McCook Levee Improvements, SSA | 11/23 | 2,500,000 |
| 14-111-5FR | Flood Control Project on 1st Avenue from Roosevelt Road to Cermak Road, SSA | 06/23 | 9,577,000 |
| 18-IGA-20 | Groveland Avenue Levee Improvements in Riverside, SSA | 11/25 | 2,506,028 |
| 20-IGA-24 | Acquisition of Flood-Prone Properties Des Plaines Phase IV, NSA | 07/24 | 5,000,000 |
| 20-IGA-29 | Van Buren & 5th Area Storm Relief Project in Maywood, SSA | 11/24 | 4,000,000 |
| 21-IGA-24 | Acquisition of Flood-Prone Properties in Lyons, CSA | 04/24 | 3,000,000 |
| | | Total | \$ 38,968,841 |
| Projects Under Development | | | |
| 14-065-5F | Flood Control Project on Central Road from Des Plaines River to Glenwood Lane, NSA | | \$ 12,000,000 |
| 14-112-5F | Flood Control Project along Plainfield Road in Countryside, La Grange, McCook, and Lyons Township, SSA | | 17,000,000 |
| | | Total | \$ 29,000,000 |
| | Lower Des Plaines River Grand Total | | \$ 142,530,294 |

NORTH BRANCH OF THE CHICAGO RIVER

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|------------------------------------|--|--|--|
| Projects for 2023 Award | | | |
| 21-IGA-06 | Main Street Improvements Project in Evanston, NSA | | \$ 322,500 |
| | | Total | \$ 322,500 |
| Projects Under Construction | | | |
| 18-IGA-24 | Wetland and Park Storage Projects in Winnetka, NSA | 03/24 | \$ 500,000 |
| | | Total | \$ 500,000 |
| | North Branch of the Chicago River Grand Total | | \$ 822,500 |

UPPER SALT CREEK

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|-----------------------------------|---|--|--|
| Projects Under Development | | | |
| 20-IGA-26 | Acquisition of Flood-Prone Properties in Palatine Township, NSA | | \$ 600,000 |
| | | Total | \$ 600,000 |
| | Upper Salt Creek Grand Total | | \$ 600,000 |

COMBINED SEWER/SANITARY AND SHIP CANAL AREA

| | | Estimated Substantial Completion Date | Estimated Construction Cost |
|---|---|--|--|
| Projects for 2023 Award | | | |
| 18-IGA-28 | Storm Sewers and Outfall in Forest View, SSA | | \$ 1,000,000 |
| | | Total | <u>\$ 1,000,000</u> |
| Projects Under Construction | | | |
| 16-IGA-20 | Pilot Study for Investigating Technology to Address Basement Backups, CSA | 06/25 | \$ 400,000 |
| 18-IGA-05 | Garfield Park Community Eco Orchard in Chicago, SSA | 01/23 | 500,000 |
| | | Total | <u>\$ 900,000</u> |
| Combined Sewer/Sanitary and Ship Canal Area Grand Total | | | <u>\$ 1,900,000</u> |
| Capital Projects Grand Total - All Watersheds | | | <u><u>\$ 209,051,659</u></u> |

* These projects are funded by the Capital Improvements Bond Fund and the Stormwater Management Fund.

Addison Creek Reservoir, SSA

| | |
|------------------------------------|--|
| Project Number | 11-186-3F |
| Watershed | Lower Des Plaines River |
| Location | Bellwood, IL |
| Engineering Consultant | Christopher B. Burke Engineering, Ltd. |
| Engineering Contractor | IHC Construction Companies, LLC |
| Estimated Construction Cost | \$89,944,554 |
| Contract Award Date | January 2019 |
| Substantial Completion Date | March 2023 |



Project Description This project will create an approximately 600 acre-foot flood control reservoir in Bellwood just north of Washington Boulevard and east of Addison Creek. This project includes reservoir excavation and installation of necessary appurtenances for operation of the facility, such as control structure, inlet structure, spillway, piping, and a pump station.

Project Justification This project, along with the Addison Creek Channel Improvements project, will help alleviate public health and safety concerns by reducing overbank flooding to approximately 2,200 structures along Addison Creek from Northlake to Broadview. Approximately 1,700 of 2,200 benefiting structures will be removed from the floodplain. In addition to providing flood control benefits, this reservoir will serve as compensatory storage for the channel improvement project. The District will operate and maintain the control and inlet structures, spillway, piping and pump station, while the Village of Bellwood will maintain the grounds including landscaping, fencing, and access roadways. The impact of these operations on the District will be minor and is expected to result in redirecting manpower toward facility operations with no net change in total position costs, and with a negligible impact on the District's overall energy budget.

Project Status Construction

This project is partially funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information (Capital Improvements Bond Fund = \$77,558,741; Stormwater Management Fund = \$12,385,813).

Addison Creek Channel Improvements, SWRP

| | |
|------------------------------------|--|
| Project Number | 11-187-3F |
| Watershed | Lower Des Plaines River |
| Location | Northlake, Melrose Park, Stone Park, Bellwood, Westchester, and Broadview, IL |
| Engineering Consultant | Hey & Associates, Inc. |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$60,140,000 |
| Contract Award Date | April 2023 |
| Substantial Completion Date | February 2026 |
| Project Description | This project will improve channel conveyance in Northlake, Melrose Park, Stone Park, Bellwood, Westchester, and Broadview. The project includes various types of channel improvements, such as open channel, gabions, sheet piles, riprap, and stream clearing. |
| Project Justification | This project, along with the Addison Creek Reservoir project, will help alleviate public health and safety concerns by reducing overbank flooding to approximately 2,200 structures along Addison Creek from Northlake to Broadview. The compensatory storage required for these channel improvements will be provided with the Addison Creek Reservoir project. |
| Project Status | Design |



This project is partially funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information (Capital Improvements Bond Fund = \$3,290,147; Stormwater Management Fund = \$56,849,853).

Flood Control Project on Farmers and Prairie Creeks, NSA

| | |
|------------------------------------|-----------------------------------|
| Project Number | 12-056-5F |
| Watershed | Lower Des Plaines River |
| Location | Park Ridge, IL and Maine Township |
| Engineering Consultant | HNTB Corporation |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$14,100,000 |
| Contract Award Date | September 2023 |
| Substantial Completion Date | September 2025 |



| | |
|------------------------------|---|
| Project Description | This project includes flood storage and conveyance improvements at Lake Mary Anne along Farmers Creek and Prairie Creek. At Lake Mary Anne this includes lowering the normal water elevation in Lake Mary Anne and improving conveyance from the lake to Farmers Creek. Along Prairie Creek this includes channel modifications, detention expansion, diversion sewer construction, and streambank stabilization. |
| Project Justification | This project will help alleviate public health and safety concerns by reducing overbank flooding to approximately 128 structures and protecting numerous buildings through streambank stabilization. This project will reduce flooding for homes surrounding Lake Mary Anne in Maine Township. |
| Project Status | Negotiation / Evaluation |

Lyons and McCook Levee Improvements, SSA

| | |
|------------------------------------|-------------------------|
| Project Number | 13-199-3F |
| Watershed | Lower Des Plaines River |
| Location | Lyons, IL |
| Engineering Consultant | MC Consulting, Inc |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$3,858,335 |
| Contract Award Date | September 2018 |
| Substantial Completion Date | November 2023 |



Project Description This project involves the restoration and improvement of the Lyons Levee which is located on the east bank of the Des Plaines River and is approximately 4,000 feet long, beginning at Joliet Road at the upstream end and extending approximately 700 feet downstream of 47th Street to a condition that will elevate the levee to modern design standards, provide flood protection, and prevent overtopping by events up to a 100-year design flood.

Project Justification This project will provide protection against overtopping of the levee during a 100-year flood. Overtopping has resulted in major flooding in the recent past (2013), impacting the Village of Forest View that is located east of the levee. Overtopping could also jeopardize the Commonwealth Edison substation that is located east of Forest View and create the potential for power disruptions or failures at Midway Airport and the Stickney Water Reclamation Plant.

Project Status Design

This project is partially funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information (Capital Improvements Bond Fund = \$1,358,335; Stormwater Management Fund = \$2,500,000).

Flood Control Project on 1st Avenue from Roosevelt Road to Cermak Road, SSA

| | |
|------------------------------------|--------------------------------|
| Project Number | 14-111-5FR |
| Watershed | Lower Des Plaines River |
| Location | Unincorporated Cook County, IL |
| Engineering Consultant | Ciorba Group, Inc. |
| Engineering Contractor | Rausch Infrastructure, LLC |
| Estimated Construction Cost | \$9,577,000 |
| Contract Award Date | May 2022 |
| Substantial Completion Date | June 2023 |



| | |
|------------------------------|---|
| Project Description | This project will increase the 1st Avenue drainage conveyance capacity by replacing the existing storm sewer system with two parallel trunk sewers ranging in size from 18-inches to 48-inches on the east side and 18-inches to 36-inches on the west side. Multiple bioswales, in conjunction with the "daylighting" of lateral sewers and the installation of underdrains, will also be installed along Cook County Forest Preserve areas, east of 1st Avenue. |
| Project Justification | This project will address flooding along 1st Avenue between Roosevelt Road and Cermak Road which impairs hospital and ambulance personnel access to the Loyola University Medical Center. |
| Project Status | Construction |

Flood Control Project on Midlothian Creek in Robbins, CSA

Project Number 14-253-5F

Watershed Little Calumet River

Location Robbins, IL

Engineering Consultant Donohue & Associates, Inc.

Engineering Contractor To be determined

Estimated Construction Cost \$11,000,000

Contract Award Date February 2023

Substantial Completion Date July 2024



Project Description This project is a two-phase project on Midlothian Creek in Robbins that will include the construction of a diversion channel to the Calumet-Sag Channel, channel improvements on Midlothian Creek, and the construction of a naturalized detention area to resemble a park setting.

Project Justification This project will provide flood relief for an estimated 92 structures in Robbins.

Project Status Design

Diversion Channel for Flood Control Project on Midlothian Creek in Robbins, CSA

| | |
|------------------------------------|---|
| Project Number | 14-253-AF |
| Watershed | Calumet-Sag Channel |
| Location | Robbins, IL |
| Engineering Consultant | Donohue & Associates, Inc. |
| Engineering Contractor | FH Paschen, SN Nielsen & Associates, LLC |
| Estimated Construction Cost | \$9,543,000 |
| Contract Award Date | April 2022 |
| Substantial Completion Date | October 2023 |
| Project Description | This project is a Flood Control Project that will create a naturalized wetland detention along with channel improvements to resemble a park setting. This portion is for the Phase 1 diversion channel. The project will reduce flood damages for over 92 structures. This project is in the Calumet-Sag Channel Watershed. |
| Project Justification | This project will provide flood relief for an estimated 92 structures in Robbins. |
| Project Status | Construction |



Flood Control Project in the Worth Woods Subdivision in Worth, CSA

Project Number 14-256-5F

Watershed Calumet-Sag Channel

Location Worth, IL

Engineering Consultant Robinson Engineering, Ltd.

Engineering Contractor To be determined

Estimated Construction Cost \$2,500,000

Contract Award Date March 2023

Substantial Completion Date May 2024



Project Description This project will construct a swale and a 24-inches to 72-inches storm sewer, in the vicinity of 112th Place and Beloit Avenue, with an outlet to Lucas-Berg Quarry in the Village of Worth. The project is in the Calumet-Sag Channel Watershed. The Village of Worth will be responsible for ownership and maintenance of the improvements.

Project Justification This project will reduce flooding for an estimated 19 structures in the Village of Worth.

Project Status Design

Flood Control Project in the vicinity of 135th Street and Central Avenue in Crestwood, CSA

| | |
|------------------------------------|---|
| Project Number | 14-258-5F |
| Watershed | Calumet-Sag Channel |
| Location | Crestwood, IL |
| Engineering Consultant | HR Green, Inc. |
| Engineering Contractor | Reliable Contracting & Equipment Co. |
| Estimated Construction Cost | \$7,602,065 |
| Contract Award Date | March 2022 |
| Substantial Completion Date | September 2023 |
| Project Description | This project will involve the installation of a new storm sewer along 135th Street and existing storage and conveyance improvements at a detention basin on the Nathan Hale School property and Crestwood Drainage Ditch. This project is located in the Calumet-Sag Channel Watershed. |
| Project Justification | This project will provide flood relief for 82 structures with the potential to protect additional structures once local storm sewers are upsized. |
| Project Status | Construction |



Flood Control in the vicinity of 131st Street and Cypress Lane in Palos Heights, CSA

Project Number 14-259-5F

Watershed Calumet-Sag Channel

Location Palos Heights, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$449,000

Contract Award Date March 2023

Substantial Completion Date September 2023



Project Description This project will involve the demolition of a property at 13040 South Cypress Lane and the installation of a swale at this location, along with the installation of a new downstream storm sewer and an outfall to Navajo Creek.

Project Justification This project will protect three residential properties at risk from a 100-year storm event.

Project Status Design

Melvina Ditch Reservoir Improvements, SSA

| | |
|------------------------------------|--|
| Project Number | 14-263-3F |
| Watershed | Calumet-Sag Channel |
| Location | Stickney Township |
| Engineering Consultant | V3 Companies of Illinois, Ltd. |
| Engineering Contractor | F.H. Paschen, S.N. Nielsen & Associates, LLC |
| Estimated Construction Cost | \$16,527,113 |
| Contract Award Date | November 2017 |
| Substantial Completion Date | March 2023 |



Project Description This project consists of expanding the existing Melvina Ditch Reservoir by 195 acre-feet to increase its storage capacity (up to a 118 percent increase), modifying the pumping station to accommodate the reservoir expansion, and installing a new emergency overflow weir to reduce the likelihood of reservoir overtopping. Reservoir expansion will include work within the existing reservoir footprint on District property and includes additional private properties around the perimeter of the reservoir. Local stakeholders gave feedback, and a reservoir expansion configuration was selected. Additional work includes the installation of an emergency overflow/high water bypass structure and three flap gates and the replacement of the existing elliptical culverts at the outlet of the Melvina Ditch Reservoir Pumping Station with dual box culverts and a stormwater chamber. Construction limits are immediately adjacent to the pumping station and in the 87th Street right-of-way as needed to install the culverts and to replace any disturbed utilities in conflict with the installation. Storm pumps will be removed and serviced, and the impellers will be lengthened.

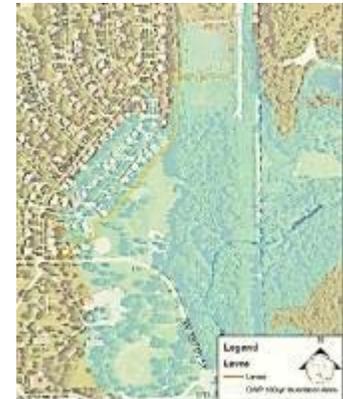
Project Justification This project will reduce flooding for an estimated 430 structures in the City of Burbank and the Village of Oak Lawn.

Project Status Construction

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

Construction of a Levee along Thorn Creek at Arquilla Park in Glenwood, CSA

| | |
|------------------------------------|---|
| Project Number | 15-IGA-14 |
| Watershed | Little Calumet River |
| Location | Glenwood, IL |
| Engineering Consultant | Not Applicable |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$3,870,000 |
| Contract Award Date | November 2016 |
| Substantial Completion Date | May 2023 |
| Project Description | This project will provide a levee at Arquilla Park to protect residential structures from overbank flooding. The Village of Glenwood is responsible for the design, construction, operation, and maintenance of this project. |
| Project Justification | This project will protect approximately 31 residential structures from overbank flooding along Thorn Creek. |
| Project Status | Cost Sharing Agreement |



Pilot Study for Investigating Technology to Address Basement Backups, CSA

| | |
|------------------------------------|---|
| Project Number | 16-IGA-20 |
| Watershed | Combined Sewer/Sanitary and Ship Canal Area |
| Location | Chicago, IL |
| Engineering Consultant | City of Chicago |
| Engineering Contractor | City of Chicago |
| Estimated Construction Cost | \$400,000 |
| Contract Award Date | June 2019 |
| Substantial Completion Date | June 2025 |



| | |
|------------------------------|---|
| Project Description | This project partners the District and the City of Chicago, through its Departments of Water Management and Transportation, to conduct a pilot study to evaluate potential runoff reduction and flood protection alternatives. The City of Chicago will draft the Intergovernmental Agreement. |
| Project Justification | This project is an Intergovernmental and Cost Sharing Agreement with the City of Chicago, which is responsible for design, construction, operation, and maintenance pertaining to this project. The District provides funding assistance. The results of the pilot study will provide valuable information for consideration in future efforts to address flooding in the region. |
| Project Status | IGA Executed |

Winchester Avenue Green Infrastructure Project in Calumet Park, CSA

| | |
|------------------------------------|---------------------|
| Project Number | 18-IGA-02 |
| Watershed | Calumet-Sag Channel |
| Location | Calumet Park, IL |
| Engineering Consultant | Not Applicable |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$360,000 |
| Contract Award Date | August 2022 |
| Substantial Completion Date | January 2023 |



Project Description This project is for the Village of Calumet Park to install a roadside bioswale and permeable pavers in the parking lane of Winchester Avenue for the public benefit of reducing flooding in the general area. The location is between 124th Street and 127th Street, between Lincoln Avenue and Winchester Avenue. The District will be providing reimbursement funding for up to \$360,000 of the construction cost through an Intergovernmental Agreement. The Village of Calumet Park will be responsible for operations and maintenance.

Project Justification The Winchester Avenue Green Infrastructure project will reduce the current load to the combined sewer system and alleviate flooding within the project area.

Project Status IGA Executed

Garfield Park Community Eco Orchard in Chicago, SSA

| | |
|------------------------------------|---|
| Project Number | 18-IGA-05 |
| Watershed | Combined Sewer/Sanitary and Ship Canal Area |
| Location | Chicago, IL |
| Engineering Consultant | Not Applicable |
| Engineering Contractor | Not Applicable |
| Estimated Construction Cost | \$500,000 |
| Contract Award Date | September 2022 |
| Substantial Completion Date | January 2023 |
| Project Description | This project is for the City of Chicago to construct food forests in the area of 5th Avenue between Mozart Avenue and Kedzie Avenue. The District will be providing reimbursement funding for up to 55.6 percent of the estimated \$900,000 construction cost through an Intergovernmental Agreement. |
| Project Justification | This project will involve curb cuts and runnels that will be included to route water to areas with native plantings to reduce the current load to the combined sewer system and to help alleviate flooding within the project area. |
| Project Status | IGA Executed |



Groveland Avenue Levee Improvements in Riverside, SSA

Project Number 18-IGA-20

Watershed Lower Des Plaines River

Location Riverside, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$2,506,028

Contract Award Date December 2018

Substantial Completion Date November 2025



Project Description This project is to improve the Groveland Avenue levee, located in the Village of Riverside (Village), by raising the levee with a sheet pile floodwall. A pumping station will be built to drain the land side of the levee. An adjacent street will be raised or protected by additional flood walls. The Village will enter a Project Partnership Agreement with the Army Corps of Engineers as its local sponsor. The District will enter into an Intergovernmental Agreement with the Village to provide the non-federal share of the design and construction costs.

Project Justification This project increases the level of protection the levee provides to adjacent homes.

Project Status Cost Sharing Agreement

Wetland and Park Storage Projects in Winnetka, NSA

| | |
|------------------------------------|--|
| Project Number | 18-IGA-24 |
| Watershed | North Branch of the Chicago River |
| Location | Winnetka, IL |
| Engineering Consultant | Not Applicable |
| Engineering Contractor | Not Applicable |
| Estimated Construction Cost | \$500,000 |
| Contract Award Date | June 2022 |
| Substantial Completion Date | March 2024 |
| Project Description | This project will provide a wetland and an underground stormwater storage area near the Skokie River and will be designed, constructed, operated, and maintained by the Village of Winnetka. |
| Project Justification | This project will reduce flooding for an estimated 474 structures in the Village of Winnetka. |
| Project Status | Cost Sharing Agreement |



Culvert Upsizing and Channel Improvements on Boca Rio Ditch in Oak Forest, CSA

| | |
|------------------------------------|---------------------|
| Project Number | 18-IGA-26 |
| Watershed | Calumet-Sag Channel |
| Location | Oak Forest, IL |
| Engineering Consultant | Not Applicable |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$810,000 |
| Contract Award Date | September 2022 |
| Substantial Completion Date | October 2023 |



| | |
|------------------------------|---|
| Project Description | This project will replace existing deteriorated roadway culverts, upsize and install 8-inches by 4-inches box culvert near 151st Street and Boca Rio Drive, install three sedimentation basins along Boca Rio Ditch south of 151st Street and install stream bank stabilization improvements along Boca Rio Ditch north of 151st Street in Oak Forest. The Village of Oak Forest and Cook County will be responsible for maintenance of the project improvements. |
| Project Justification | This project will reduce the risk of flooding for 28 residential structures and enhance water quality along Boca Rio Ditch. |
| Project Status | Negotiation / Evaluation |

Storm Sewers and Outfall in Forest View, SSA

| | |
|------------------------------------|--|
| Project Number | 18-IGA-28 |
| Watershed | Combined Sewer/Sanitary and Ship Canal Area |
| Location | Forest View, IL |
| Engineering Consultant | Not Applicable |
| Engineering Contractor | Not Applicable |
| Estimated Construction Cost | \$1,000,000 |
| Contract Award Date | February 2023 |
| Substantial Completion Date | August 2023 |
| Project Description | This project will construct storm sewers and outfall for a residential area in Forest View. |
| Project Justification | This project will provide flood reduction benefits for an estimated 14 structures for a residential area in Forest View. |
| Project Status | Negotiation / Evaluation |



Streambank Stabilization Project on Tinley Creek, CSA

Project Number 19-IGA-22

Watershed Calumet-Sag Channel

Location Orland Park, IL

Engineering Consultant Michael Baker International, Inc.

Engineering Contractor To be determined

Estimated Construction Cost \$3,800,000

Contract Award Date June 2023

Substantial Completion Date October 2024



Project Description This project proposes to stabilize banks located along approximately 4,000 linear feet of Tinley Creek in the Village of Orland Park. The work is divided into two locations between 151st Street and Oriole Court and between 86th Avenue and 159th Street. The project will use bioengineering techniques such as geolifts, live stake vegetation, and gentler slopes to stabilize both banks.

Project Justification This project will protect structures and infrastructure in imminent danger of failure due to active streambank erosion.

Project Status Cost Sharing Agreement

119th Place Bioswale and Permeable Alley in Blue Island, CSA

Project Number 20-IGA-03

Watershed Calumet-Sag Channel

Location Blue Island, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$250,000

Contract Award Date February 2023

Substantial Completion Date July 2023



Project Description This project is for the City of Blue Island to construct a new bioretention area in a vacant, low-lying lot and a permeable alley using permeable pavers. The City of Blue Island will be responsible for operations and maintenance.

Project Justification This project will reduce the current load to the combined sewer system and alleviate flooding within the project area.

Project Status IGA Executed

Flood Control Project on Willow Road at McDonald Creek Tributary A in Prospect Heights, NSA

| | |
|------------------------------------|---|
| Project Number | 20-IGA-23 |
| Watershed | Lower Des Plaines River |
| Location | City of Prospect Heights |
| Engineering Consultant | Globetrotters Engineering Corporation (Tentative) |
| Engineering Contractor | To be determined |
| Estimated Construction Cost | \$1,800,000 |
| Contract Award Date | February 2023 |
| Substantial Completion Date | March 2024 |
| Project Description | This project will raise Willow Road one foot above the 100-year flood elevation and local roads to the 100-year flood elevation, including the installation of new culverts and compensatory storage areas. |
| Project Justification | This project will reduce flooding of the road and road closures, will reduce groundwater levels which lessen excessive pumping from crawlspaces and basements, and will improve safety in allowing emergency response vehicles the use of the road. |
| Project Status | Negotiation / Evaluation |



Acquisition of Flood-Prone Properties Des Plaines Phase IV, NSA

Project Number 20-IGA-24

Watershed Lower Des Plaines River

Location Des Plaines, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$5,000,000

Contract Award Date October 2022

Substantial Completion Date July 2024

Project Description This project is a cost sharing agreement with the City of Des Plaines where 19 flood-prone homes near the Des Plaines River will be purchased.

Project Justification This project is part of an ongoing effort to remove structures and restore open space in flood-prone areas.

Project Status Negotiation / Evaluation



Van Buren & 5th Area Storm Relief Project in Maywood, SSA

Project Number 20-IGA-29

Watershed Lower Des Plaines River

Location Maywood, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$4,000,000

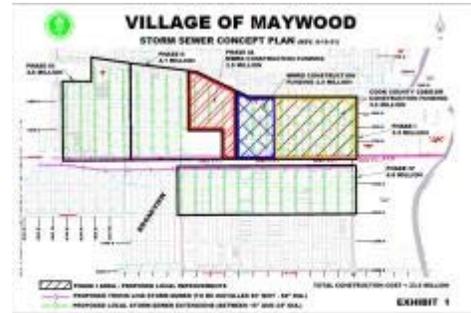
Contract Award Date December 2022

Substantial Completion Date November 2024

Project Description This project is for the Village of Maywood to install new storm sewers to alleviate overland flooding and basement backups. The Village will be responsible for operations and maintenance.

Project Justification This project involves proposed separate storm sewers that will be constructed in an existing combined sewer area that does not have any storm relief.

Project Status IGA Executed



Oriole Avenue Flood Mitigation Project in Harwood Heights, SSA

Project Number 20-IGA-30

Watershed Lower Des Plaines River

Location Harwood Heights, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$411,600

Contract Award Date January 2023

Substantial Completion Date August 2023

Project Description This project involves the installation of a 0.54 acre-feet underground stormwater detention culvert under Oriole Ave., and larger storm sewers along Strong Street.

Project Justification This project will provide underground stormwater detention equivalent to 0.54 acre-feet of storage capacity and protect against a 100-year, two-hour storm event. Additionally, as part of the project, larger storm sewers will be installed along Strong Street in order to divert stormwater into the new culverts.

Project Status Negotiation / Evaluation



Flanagin Subdivision: North Creek Flood Relief Project in Lansing, CSA

Project Number 20-IGA-37

Watershed Little Calumet River

Location Lansing, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$1,600,000

Contract Award Date October 2022

Substantial Completion Date June 2023



Project Description This project is for the construction of a new culvert for North Creek in Flanagin Subdivision separate from the subdivision drainage so that the backwater will not flood the subdivision through the open lids in the region.

Project Justification This project will separate the creek from the subdivision drainage due to the backwater from the Lansing ditch being the primary source of the subdivision flooding.

Project Status IGA Executed

Detention Basin at Butterfield Creek in Richton Park, CSA

Project Number 20-IGA-38

Watershed Little Calumet River

Location Richton Park, IL

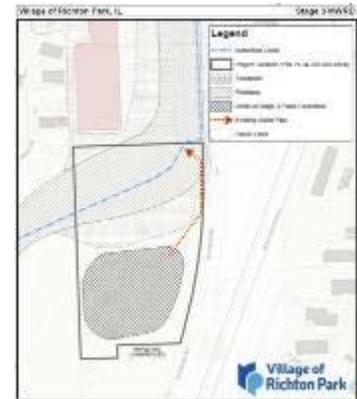
Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$2,000,000

Contract Award Date September 2022

Substantial Completion Date September 2023



Project Description This project proposes a multi-staged project in the Village of Richton Park to construct a regional detention basin along Governors Highway, south of the intersection of Sauk Trail, at the Butterfield Creek East Branch. The overall project is being funded by multiple sources. The District's funding will be used to construct additional detention storage. The Village of Richton Park will be responsible for long-term operation and maintenance of the project.

Project Justification This project will provide additional stormwater storage capacity within the Butterfield Creek watershed and address flooding along a portion of the Butterfield Creek East Branch that affects Governors Highway and neighboring properties.

Project Status IGA Executed

Main Street Improvements Project in Evanston, NSA

Project Number 21-IGA-06

Watershed North Branch of the Chicago River

Location Evanston, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$322,500

Contract Award Date April 2023

Substantial Completion Date November 2023

Project Description This project with the City of Evanston will reconstruct the parking lanes along several blocks of Main Street using permeable pavers. The City of Evanston will be responsible for operations and maintenance.

Project Justification This project will reduce the current load to the combined sewer system and alleviate flooding within the project area.

Project Status Negotiation / Evaluation



Brookfield Zoo North Parking Lot Green Infrastructure Renovation in Brookfield, SSA

Project Number 21-IGA-09

Watershed Lower Des Plaines River

Location Brookfield, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$400,000

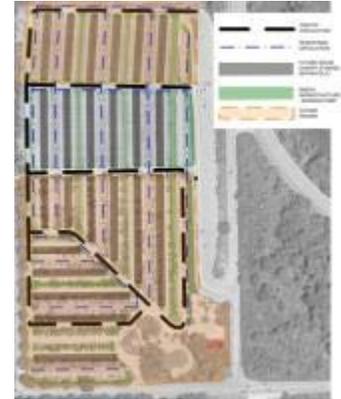
Contract Award Date March 2023

Substantial Completion Date June 2023

Project Description This project is for the Forest Preserve District of Cook County to construct approximately 7,000 linear feet of bioswales within the Brookfield Zoo North Parking Lot. The Forest Preserve District of Cook County will be responsible for operations and maintenance.

Project Justification This project will reduce the current load to the sewer system and alleviate flooding within the project area.

Project Status Negotiation / Evaluation



Acquisition of Flood-Prone Properties in Lyons, CSA

Project Number 21-IGA-24

Watershed Lower Des Plaines River

Location Lyons, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$3,000,000

Contract Award Date October 2022

Substantial Completion Date April 2024

Project Description This project is for the acquisition and demolition of up to 25 homes in the floodway and floodplain in the Village of Lyons. The Village will be responsible for demolition and maintaining the property as open space.

Project Justification This project involves the removal of structures from the floodplain to prevent disaster recovery claims from flood insurance. The project will prevent property damage/loss, personal financial burden, and enhancement of floodplain storage.

Project Status Negotiation / Evaluation



Detention Basin Naturalization in Oak Lawn, CSA

Project Number 22-IGA-06

Watershed Calumet-Sag Channel

Location Oak Lawn, IL

Engineering Consultant Not Applicable

Engineering Contractor Not Applicable

Estimated Construction Cost \$93,800

Contract Award Date May 2023

Substantial Completion Date September 2023

Project Description This is a pilot project investigating the volumetric uptake and infiltration capacity of native plants in a stormwater system.

Project Justification This is a pilot project investigating the volumetric uptake and infiltration capacity of native plants in a stormwater system. If they are shown to be significant, native plants could be utilized alone in existing stormwater detention and retention ponds to reduce the stormwater outflow to sewer systems.

Project Status IGA Executed

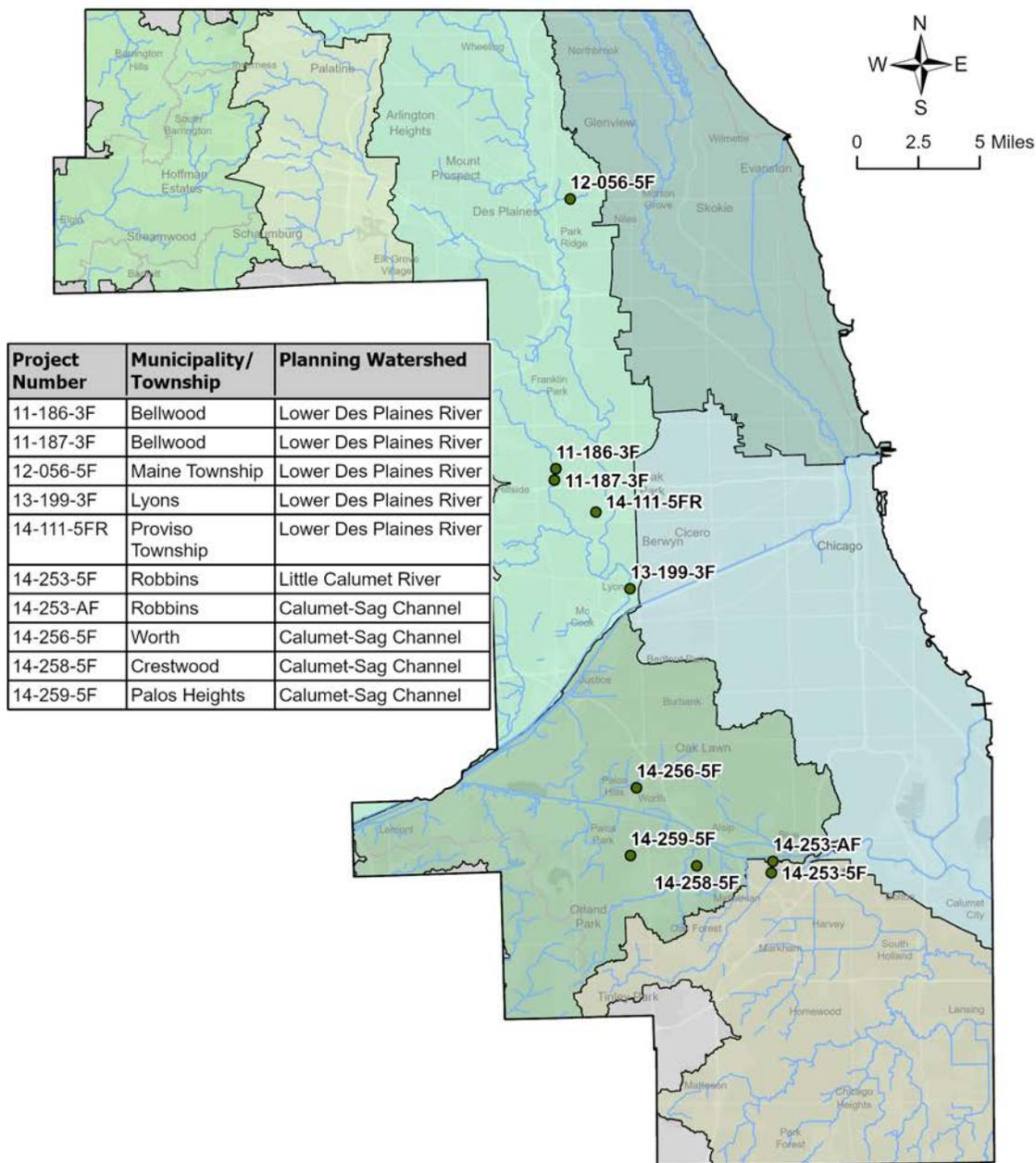


Acacia Acres Flood Relief Project in Lyons Township, SSA

| | |
|------------------------------------|--|
| Project Number | 22-IGA-08 |
| Watershed | Lower Des Plaines River |
| Location | Lyons Township |
| Engineering Consultant | Not Applicable |
| Engineering Contractor | Not Applicable |
| Estimated Construction Cost | \$1,000,000 |
| Contract Award Date | June 2023 |
| Substantial Completion Date | November 2023 |
| Project Description | The project will construct a detention facility along with conveyance improvements to reduce flooding. |
| Project Justification | The project will protect up to 12 homes from flooding. |
| Project Status | Negotiation / Evaluation |

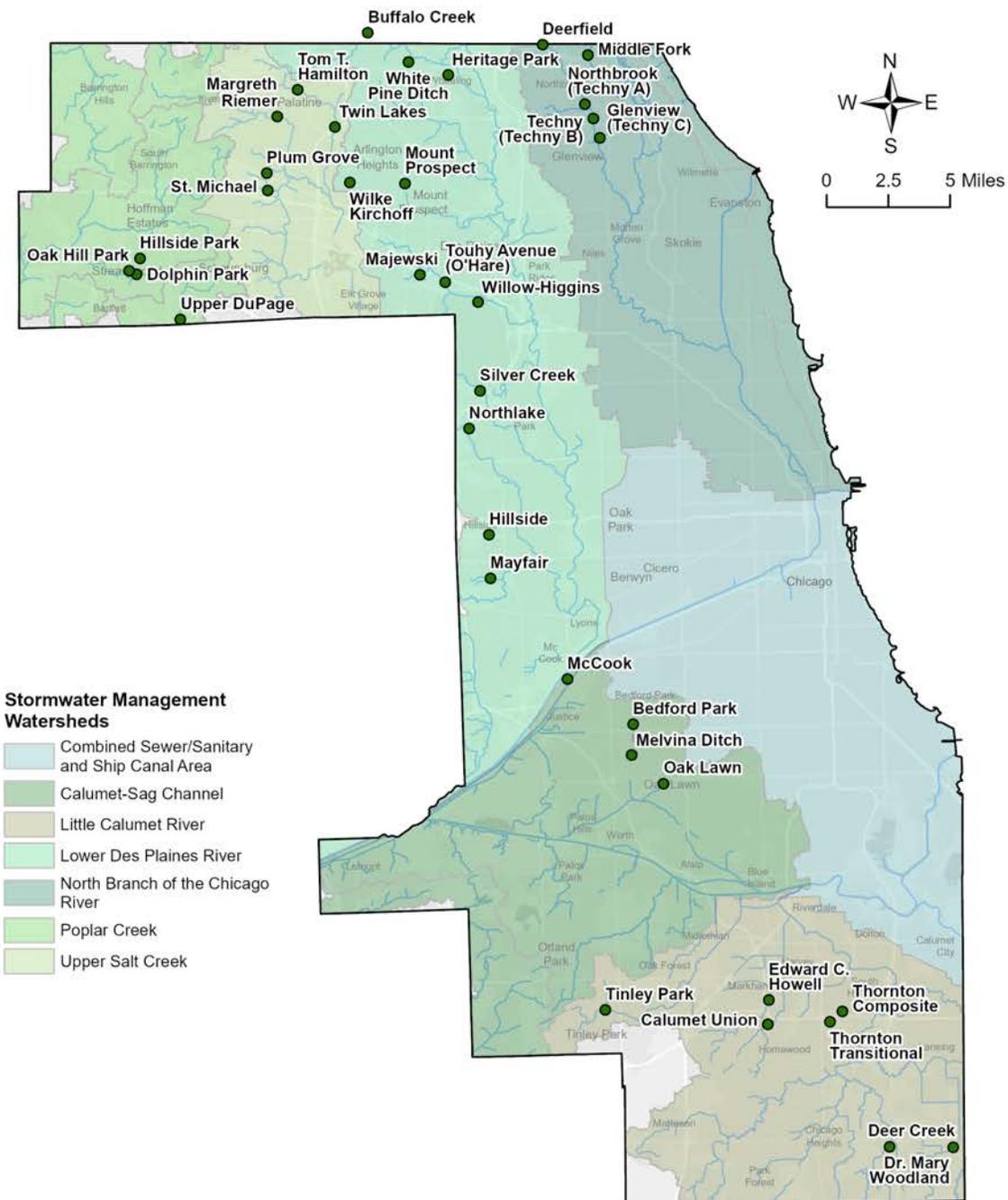


STORMWATER MANAGEMENT PROJECTS FLOOD CONTROL

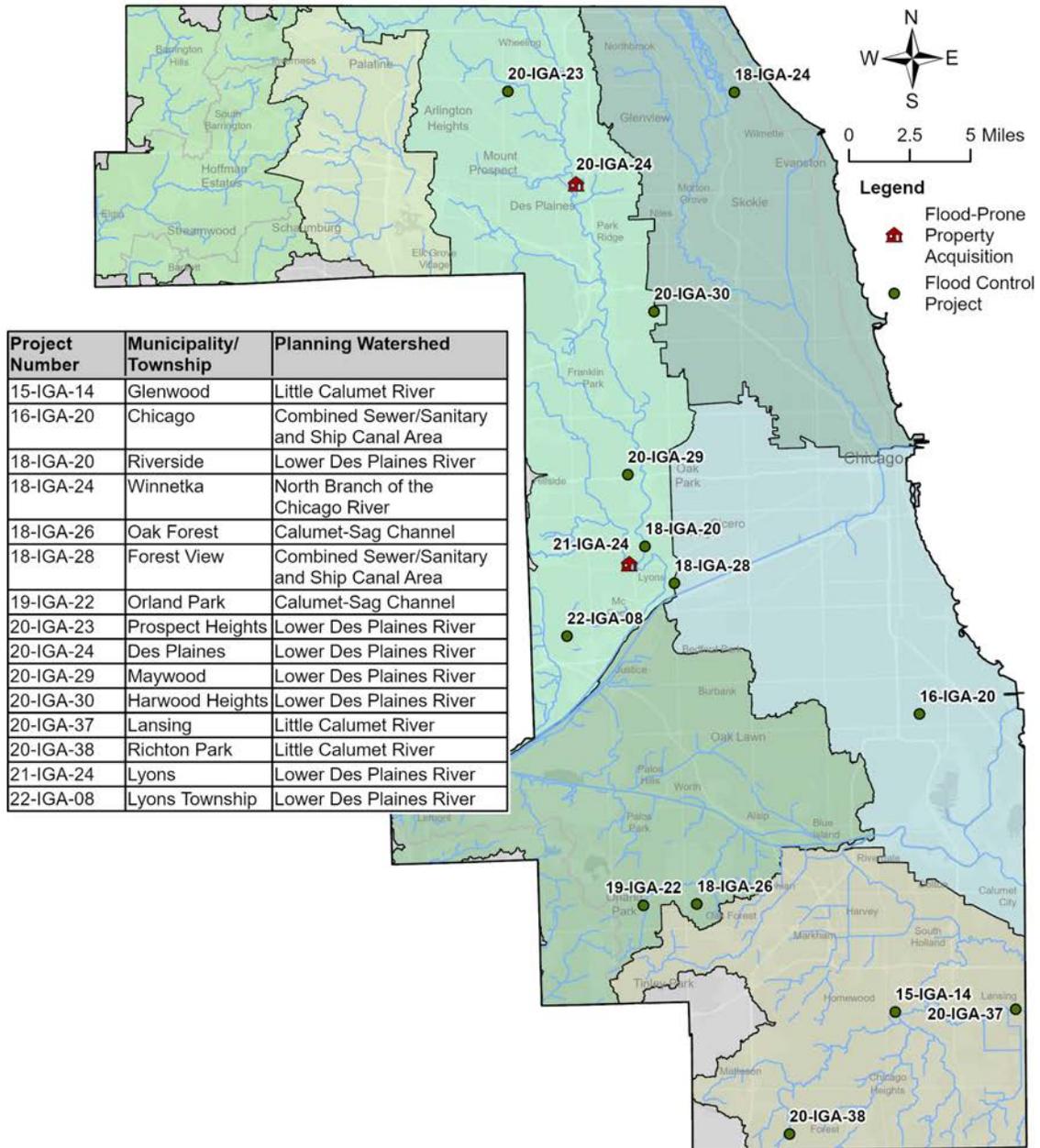


This map displays projects for award and under construction.

EXISTING MWRD SUPPORTED FLOOD CONTROL RESERVOIRS

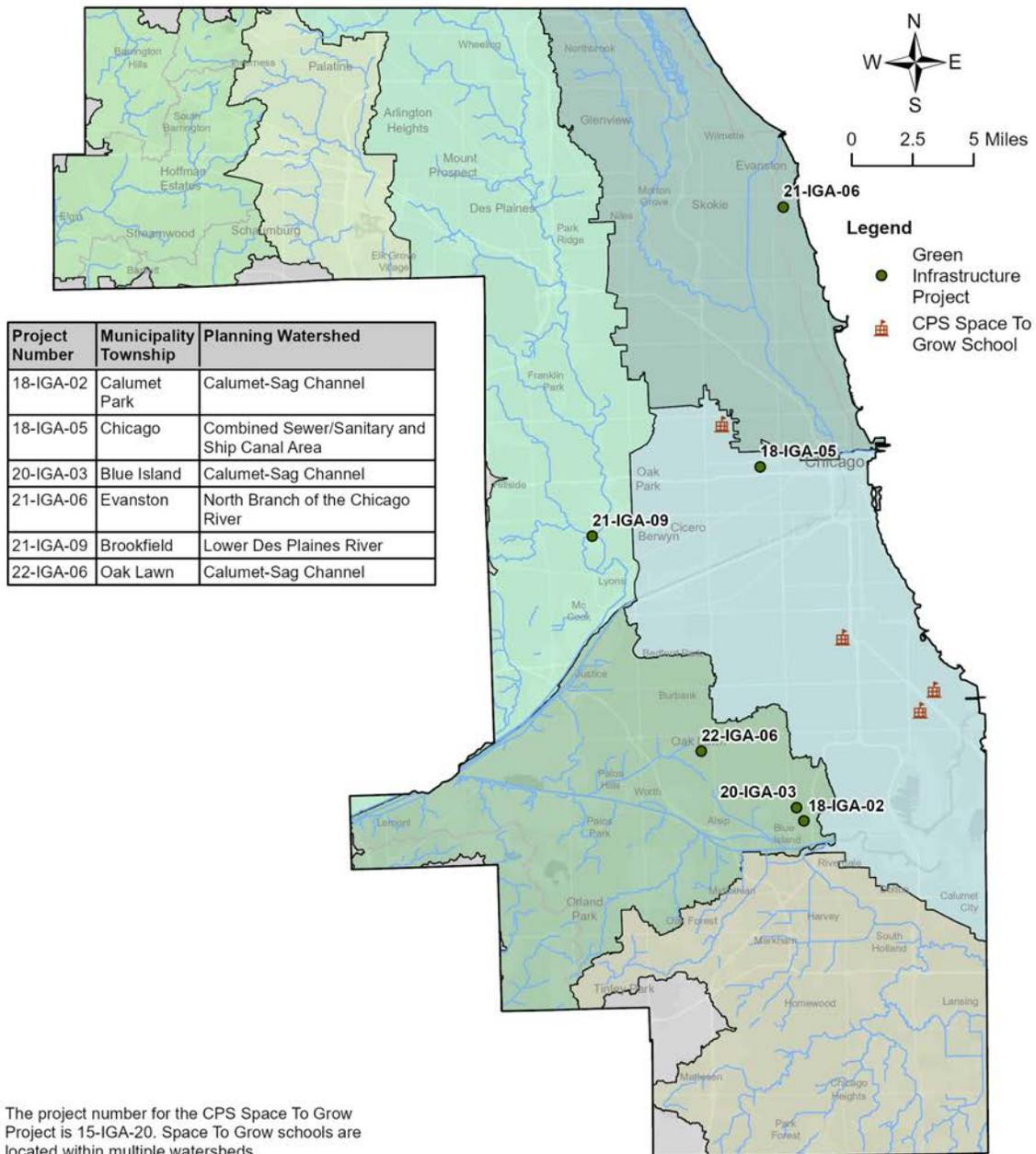


STORMWATER MANAGEMENT PROJECTS INTERGOVERNMENTAL AGREEMENTS



This map displays projects for award and under construction.

STORMWATER MANAGEMENT PROJECTS GREEN INFRASTRUCTURE



The project number for the CPS Space To Grow Project is 15-IGA-20. Space To Grow schools are located within multiple watersheds.

This map displays projects for award and under construction.

50000 STORMWATER MANAGEMENT FUND

OBJECTIVES AND PROGRAM SUMMARY

| OBJECTIVES BY PRIORITY: | | Cost | Percent |
|-------------------------|--|----------------|---------|
| 1. | Implementation of the Watershed Management Ordinance. Initiation of the program to improve flood control, manage runoff, improve water quality throughout Cook County, and clearly define uniform rules and regulations. | \$ 8,616,200 | 6.7 % |
| 2. | Planning, design, and construction of stormwater management projects by the District or outside agencies under agreement. | \$ 113,769,300 | 88.2 % |
| 3. | Operation and maintenance of natural and manmade drainageways for the purpose of stormwater management. | \$ 6,596,900 | 5.1 % |
| Totals | | \$ 128,982,400 | 100.0 % |

| PROGRAMS BY PRIORITY: | | 2021 | Budgeted | | Change | | | |
|-----------------------|--|---------------|----------|---------|---------------|---------------|--------|----|
| Number | Name | Actual | FTEs | Dollars | Dollars | Percent | | |
| 4310 | Stormwater Management Planning | \$ 1,923,570 | 2023 | 1 | \$ 1,718,600 | \$ (310,900) | (15.3) | a) |
| | | | 2022 | 1 | \$ 2,029,500 | | | |
| 4320 | Stormwater Management Regulation | \$ 3,980,454 | 2023 | 42 | \$ 4,740,100 | \$ (213,000) | (4.3) | b) |
| | | | 2022 | 42 | \$ 4,953,100 | | | |
| 4330 | Operations and Maintenance | \$ 5,539,308 | 2023 | 26 | \$ 6,431,700 | \$ (555,500) | (8.0) | c) |
| | | | 2022 | 26 | \$ 6,987,200 | | | |
| 4340 | Flood Mitigation Projects | \$ 31,597,617 | 2023 | 27 | \$113,743,100 | \$ 32,860,300 | 40.6 | d) |
| | | | 2022 | 27 | \$ 80,882,800 | | | |
| 4350 | Administrative Overhead | \$ 1,573,132 | 2023 | 4 | \$ 2,183,700 | \$ 210,200 | 10.7 | e) |
| | | | 2022 | 4 | \$ 1,973,500 | | | |
| 7604 | Social Security and Medicare Contributions | \$ 129,296 | 2023 | — | \$ 165,200 | \$ 9,600 | 6.2 | |
| | | | 2022 | — | \$ 155,600 | | | |
| Totals | | \$44,743,377 | 2023 | 100 | \$128,982,400 | \$ 32,000,700 | 33.0 % | |
| | | | 2022 | 100 | \$ 96,981,700 | | | |

- a) Decrease is due to the substantial completion of Stormwater Program Manager Separate Sewer Area (\$632,900), the completion of Stormwater Program Manager Combined Sewer Area (\$122,000), the completion of Stormwater Master Plan for the North Creek and Deer Creek Study Area (\$109,400), Stormwater Master Plan for the Weller Creek and Willow Creek Study Area (\$87,400), Stormwater Master Plan for the Austin, Humboldt Park, and West Garfield Park Study Area (\$70,000), the completion of Stormwater Master Plan for the Avalon Park, Englewood, Greater Grand Crossing, and South Shore Study Area (\$55,000), the completion of Stormwater Master Plan for the Dixmoor, Dolton, Harvey, Phoenix, Posen, and Riverdale Study Area (\$30,100), and the completion of Stormwater Master Plan for the Butterfield Creek Study Area (\$13,800), offset by revised schedules for Stormwater Master Planning (\$500,000) and Stormwater Master Plan for the Roberts Road Drainage Area (\$309,900).
- b) Decrease is due to the completion of Watershed Specific Stormwater Release Rates Study, Phase III (\$470,900), offset by the reallocation of salaries to more accurately reflect current activities (\$180,200).
- c) Decrease is due to the completion of the furnishing, delivery, and installation of an upgrade to the Ovation distributed control system (\$405,000), the anticipated lower demand for the District's rain barrel program (\$350,000), offset by compensation plan adjustments (\$159,000) and an expected increase in retirements within the Stormwater Management Fund (\$54,700).
- d) The projects proposed for each year are based on detailed watershed plans identifying flooding problems within each of the six major watersheds. The number of actual projects awarded may not, on face value, quantify performance. There are several factors that could either increase or decrease the number of projects awarded. Some of these factors are project size and complexity, project schedules, intergovernmental agreements' lead times, and unforeseen obstacles. The numbers are provided only as a general indicator of performance.
- e) Increase is due to an increase in health, life, and dental insurance premiums (\$156,500) and compensation plan adjustments (\$50,000).

50000 STORMWATER MANAGEMENT FUND

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|---|--|------|--------------|---------------|----------------|----|
| 4310 | Stormwater Management Planning | | | | | |
| 4311 | Watershed Councils | Cost | \$ 38,328 | \$ 43,900 | \$ 46,500 | |
| 4313 | Watershed Plan Development | Cost | \$ 1,822,700 | \$ 1,909,100 | \$ 1,598,400 | a) |
| 4314 | Publications and Public Information | Cost | \$ 21,828 | \$ 25,000 | \$ 26,200 | |
| 4315 | Geographic Information System | Cost | \$ 40,714 | \$ 51,500 | \$ 47,500 | |
| 4320 | Stormwater Management Regulation | | | | | |
| 4321 | Permits | Cost | \$ 2,155,911 | \$ 2,755,000 | \$ 2,472,900 | b) |
| 4322 | Watershed Management Ordinance Development | Cost | \$ 186,440 | \$ 261,500 | \$ 265,700 | |
| 4323 | Inspections | Cost | \$ 833,129 | \$ 1,487,100 | \$ 1,538,400 | |
| 4324 | Watershed Management Ordinance Administration | Cost | \$ 682,873 | \$ 253,100 | \$ 257,800 | |
| 4326 | Watershed Management Ordinance Infiltration/Inflow Control Program | Cost | \$ 122,101 | \$ 196,400 | \$ 205,300 | |
| 4330 | Operations & Maintenance | | | | | |
| 4331 | Stormwater Detention Reservoir Activity | Cost | \$ 1,591,786 | \$ 1,755,100 | \$ 1,464,300 | c) |
| 4332 | Small Streams Maintenance | Cost | \$ 3,050,968 | \$ 4,369,800 | \$ 4,036,100 | d) |
| | Debris Cubic Yards Removed | | 18,575 | 23,000 | 23,000 | |
| | Cost per Cubic Yard | | \$ 164.25 | \$ 189.99 | \$ 175.48 | |
| 4334 | Operations & Maintenance Contracted with Other Governments | Cost | \$ 179,031 | \$ 174,300 | \$ 184,100 | |
| 4335 | Waterways Debris Removal | Cost | \$ 717,523 | \$ 688,000 | \$ 747,200 | |
| <p>a) Decrease is due to the substantial completion of Stormwater Program Manager Separate Sewer Area (\$632,900), the completion of Stormwater Program Manager Combined Sewer Area (\$122,000), the completion of Stormwater Master Plan for the North Creek and Deer Creek Study Area (\$109,400), Stormwater Master Plan for the Weller Creek and Willow Creek Study Area (\$87,400), Stormwater Master Plan for the Austin, Humboldt Park, and West Garfield Park Study Area (\$70,000), the completion of Stormwater Master Plan for the Avalon Park, Englewood, Greater Grand Crossing, and South Shore Study Area (\$55,000), the completion of Stormwater Master Plan for the Dixmoor, Dolton, Harvey, Phoenix, Posen, and Riverdale Study Area (\$30,100), and the completion of Stormwater Master Plan for the Butterfield Creek Study Area (\$13,800), offset by revised schedules for Stormwater Master Planning (\$500,000) and Stormwater Master Plan for the Roberts Road Drainage Area (\$309,900).</p> <p>b) Decrease is due to the completion of Watershed Specific Stormwater Release Rates Study, Phase III (\$470,900), offset by the reallocation of salaries to more accurately reflect current activities (\$180,200).</p> <p>c) Decrease is due to the completion of the furnishing, delivery, and installation of an upgrade to the Ovation distributed control system (\$405,000), offset by the reallocation of salaries to more accurately reflect current activities (\$71,700).</p> <p>d) Decrease is due to anticipated lower demand for the District's rain barrel program (\$350,000) and reduced purchases of replacement trucks (\$140,000), offset by compensation plan adjustments (\$159,000).</p> | | | | | | |

50000 STORMWATER MANAGEMENT FUND

PERFORMANCE DATA

| Program Number | Measurable Activity | | 2021 Actual | 2022 Budgeted | 2023 Estimated | |
|---|---|--------|---------------|---------------|----------------|----|
| 4340 | Flood Mitigation Projects | | | | | |
| 4341 | Planning/Design | Cost | \$ 2,657,919 | \$ 6,112,300 | \$ 9,032,900 | e) |
| 4342 | Contract Administration | Cost | \$ 568,309 | \$ 720,900 | \$ 749,300 | |
| 4343 | Construction | Cost | \$ 13,363,448 | \$ 35,491,200 | \$ 70,417,000 | e) |
| 4344 | Flood Mitigation Projects Contracted with Other Governments | Cost | \$ 12,334,400 | \$ 33,386,100 | \$ 31,136,300 | e) |
| 4345 | Land and Easements | Cost | \$ 2,673,541 | \$ 5,172,300 | \$ 2,407,600 | e) |
| 4350 | Administrative Overhead | Cost | \$ 1,573,132 | \$ 1,973,500 | \$ 2,183,700 | f) |
| 7604 | Social Security and Medicare Contributions | Cost | \$ 129,296 | \$ 155,600 | \$ 165,200 | |
| | | Totals | \$ 44,743,377 | \$ 96,981,700 | \$ 128,982,400 | |
| <p>e) The projects proposed for each year are based on detailed watershed plans identifying flooding problems within each of the six major watersheds. The number of actual projects awarded may not, on face value, quantify performance. There are several factors that could either increase or decrease the number of projects awarded. Some of these factors are project size and complexity, project schedules, intergovernmental agreements' lead times, and unforeseen obstacles. The numbers are provided only as a general indicator of performance.</p> <p>f) Increase is due to an increase in health, life, and dental insurance premiums (\$156,500) and an anticipated increase in retirements (\$50,000).</p> | | | | | | |

| 501 50000 | Fund: Stormwater Management | LINE ITEM ANALYSIS | | | | | | |
|----------------|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601010 | Salaries of Regular Employees | \$ 9,013,334 | \$ 10,638,600 | \$ 10,638,600 | \$ 9,634,000 | \$ 10,912,000 | \$ 10,912,000 | \$ 11,203,600 |
| 601060 | Compensation Plan Adjustments | 192,326 | 487,900 | 487,900 | 172,800 | 753,900 | 753,900 | 738,900 |
| 601070 | Social Security and Medicare Contributions | 129,296 | 155,600 | 155,600 | 137,700 | 165,200 | 165,200 | 165,200 |
| 601080 | Salaries of Nonbudgeted Employees | — | 20,000 | 20,000 | — | 10,000 | 10,000 | 10,000 |
| 601100 | Tuition and Training Payments | 19,918 | 91,500 | 91,500 | 38,600 | 66,000 | 66,000 | 66,000 |
| 601250 | Health and Life Insurance Premiums | 864,629 | 920,400 | 920,400 | 924,700 | 1,076,900 | 1,076,900 | 1,076,900 |
| 601270 | General Salary Adjustments | — | — | — | — | 276,600 | 276,600 | — |
| 100 | TOTAL PERSONAL SERVICES | 10,219,502 | 12,314,000 | 12,314,000 | 10,907,800 | 13,260,600 | 13,260,600 | 13,260,600 |
| 612010 | Travel | — | 6,000 | 6,000 | 4,400 | 7,100 | 7,100 | 7,100 |
| 612030 | Meals and Lodging | 660 | 16,200 | 16,200 | 11,700 | 19,200 | 19,200 | 19,200 |
| 612040 | Postage, Freight, and Delivery Charges | 767 | 2,500 | 2,500 | 700 | 2,500 | 2,500 | 2,500 |
| 612050 | Compensation for Personally-Owned Automobiles | 1,033 | 19,800 | 19,800 | 2,600 | 6,500 | 6,500 | 6,500 |
| 612080 | Motor Vehicle Operating Services | — | 3,100 | 3,100 | 500 | 2,600 | 2,600 | 2,600 |
| 612250 | Court Reporting Services | 9,742 | 18,000 | 18,000 | 6,600 | 19,000 | 19,000 | 19,000 |
| 612280 | Subscriptions and Membership Dues | 24,340 | 21,000 | 21,000 | 19,500 | 25,700 | 25,700 | 25,700 |
| 612330 | Rental Charges | 51,926 | 53,000 | 53,000 | 35,500 | 53,000 | 53,000 | 53,000 |
| 612400 | Intergovernmental Agreements | 12,056,019 | 33,046,600 | 32,999,300 | 12,351,200 | 30,892,700 | 30,892,700 | 30,782,000 |
| 612430 | Payments for Professional Services | 486,315 | 800,200 | 800,200 | 220,800 | 621,100 | 621,100 | 621,100 |
| 612440 | Preliminary Engineering Reports and Studies | 2,637,906 | 2,569,200 | 2,726,700 | 1,432,500 | 3,095,000 | 3,095,000 | 3,095,000 |
| 612450 | Professional Engineering Services for Construction Projects | 1,101,951 | 5,940,000 | 5,829,800 | 1,419,000 | 8,928,600 | 8,928,600 | 8,928,600 |
| 612490 | Contractual Services, N.O.C. | 274,120 | 422,200 | 422,200 | 138,300 | 322,200 | 322,200 | 322,200 |
| 612520 | Waste Material Disposal Charges | 28,968 | 60,000 | 60,000 | 28,000 | 260,000 | 260,000 | 260,000 |
| 612620 | Repairs to Waterway Facilities | 2,841,084 | 3,005,000 | 3,005,000 | 2,645,000 | 2,600,000 | 2,600,000 | 2,600,000 |
| 612790 | Repairs to Marine Equipment | 48,024 | 66,500 | 66,500 | 45,000 | 77,500 | 77,500 | 77,500 |
| 612800 | Repairs to Office Furniture and Equipment | 2,064 | 6,000 | 6,000 | 2,000 | 6,000 | 6,000 | 6,000 |
| 612820 | Computer Software Maintenance | — | 2,300 | 2,300 | — | — | — | — |
| 612860 | Repairs to Vehicle Equipment | — | 4,700 | 4,700 | — | 4,700 | 4,700 | 4,700 |
| 612990 | Repairs, N.O.C. | 1,942 | 2,000 | 2,000 | 1,000 | 2,000 | 2,000 | 2,000 |
| 200 | TOTAL CONTRACTUAL SERVICES | 19,566,861 | 46,064,300 | 46,064,300 | 18,364,300 | 46,945,400 | 46,945,400 | 46,834,700 |

| 501 50000 | Fund: Stormwater Management | LINE ITEM ANALYSIS | | | | | | |
|---|---|----------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 623130 | Buildings, Grounds, Paving Materials, and Supplies | 4,993 | 5,000 | 5,000 | — | 5,000 | 5,000 | 5,000 |
| 623520 | Office, Printing, and Photographic Supplies, Equipment, and Furniture | 3,467 | 15,500 | 15,500 | 5,100 | 15,500 | 15,500 | 15,500 |
| 623560 | Processing Chemicals | 1,102 | 5,000 | 5,000 | — | 5,000 | 5,000 | 5,000 |
| 623680 | Tools and Supplies | 10,813 | 11,500 | 11,500 | 8,300 | 11,500 | 11,500 | 11,500 |
| 623700 | Wearing Apparel | 3,876 | 9,500 | 9,500 | 4,600 | 9,500 | 9,500 | 9,500 |
| 623720 | Books, Maps, and Charts | — | 300 | 300 | — | — | — | — |
| 623800 | Computer Software | 9,685 | — | — | — | — | — | — |
| 623820 | Fuel | 5,741 | 9,000 | 9,000 | 8,700 | 18,000 | 18,000 | 18,000 |
| 623990 | Materials and Supplies, N.O.C. | 114,518 | 510,000 | 510,000 | 131,700 | 160,000 | 160,000 | 160,000 |
| 300 | TOTAL MATERIALS AND SUPPLIES | 154,195 | 565,800 | 565,800 | 158,400 | 224,500 | 224,500 | 224,500 |
| 634860 | Vehicle Equipment | 169,299 | 510,000 | 510,000 | 500,900 | 370,000 | 370,000 | 370,000 |
| 634990 | Machinery and Equipment, N.O.C. | 36,221 | 30,000 | 30,000 | 8,500 | 30,000 | 30,000 | 30,000 |
| 400 | TOTAL MACHINERY AND EQUIPMENT | 205,520 | 540,000 | 540,000 | 509,400 | 400,000 | 400,000 | 400,000 |
| 645620 | Waterway Facilities Structures | 2,865,462 | 30,101,800 | 30,101,800 | 10,163,800 | 66,151,900 | 66,151,900 | 66,151,900 |
| 645690 | Capital Projects, N.O.C. | — | 100,000 | 100,000 | — | 100,000 | 100,000 | 100,000 |
| 645720 | Preservation of Waterway Facility Structures | 9,573,670 | 2,908,800 | 2,908,800 | 2,054,700 | 100,000 | 100,000 | 210,700 |
| 500 | TOTAL CAPITAL PROJECTS | 12,439,132 | 33,110,600 | 33,110,600 | 12,218,500 | 66,351,900 | 66,351,900 | 66,462,600 |
| 656010 | Land | 311,409 | 400,000 | 400,000 | 400 | 400,000 | 400,000 | 400,000 |
| 600 | TOTAL LAND | 311,409 | 400,000 | 400,000 | 400 | 400,000 | 400,000 | 400,000 |
| 667330 | Right-of-Way Properties | 1,637,894 | 3,237,000 | 3,237,000 | 550,400 | 1,000,000 | 1,000,000 | 1,000,000 |
| 667340 | Payments for Easements | 208,861 | 750,000 | 750,000 | 6,700 | 400,000 | 400,000 | 400,000 |
| 700 | TOTAL FIXED AND OTHER CHARGES | 1,846,755 | 3,987,000 | 3,987,000 | 557,100 | 1,400,000 | 1,400,000 | 1,400,000 |
| TOTAL STORMWATER MANAGEMENT FUND | | \$ 44,743,374 | \$ 96,981,700 | \$ 96,981,700 | \$ 42,715,900 | \$128,982,400 | \$ 128,982,400 | \$ 128,982,400 |

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies.
 Additionally, Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated.

| Fund: Stormwater Management | | POSITION ANALYSIS | | | | |
|-----------------------------|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 50000 | Engineering Department | | | | | |
| 516 | Local Sewer Systems Section | | | | | |
| HP18 | Principal Civil Engineer | 3 | 3 | | 3 | |
| HP17 | Senior Civil Engineer | 10 | 10 | | 10 | |
| HP15 | Associate Civil Engineer | 9 | 9 | | 9 | |
| HP14 | Assistant Civil Engineer | 8 | 8 | | 8 | |
| HP14 | Engineering Technician V | 3 | 3 | | 3 | |
| HP12 | Engineering Technician IV | 6 | 7 | | 7 | |
| HP12 | Engineering Technician IV #4 | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | — | | — | |
| HP11 | Engineering Technician III | 1 | — | | — | |
| HP09 | Administrative Clerk | 1 | 1 | | 1 | |
| TOTAL 516 | Local Sewer Systems Section | 43 | 42 | 4,569,347 | 42 | 4,654,174 |
| 522 | Stormwater Management Section | | | | | |
| HP20 | Managing Civil Engineer | 1 | 1 | | 1 | |
| HP18 | Principal Civil Engineer | 3 | 4 | | 4 | |
| HP17 | Senior Civil Engineer | 7 | 8 | | 8 | |
| HP15 | Associate Civil Engineer | 6 | 7 | | 7 | |
| HP14 | Assistant Civil Engineer | 3 | 3 | | 3 | |
| HP14 | Public Affairs Specialist | 1 | 1 | | 1 | |
| HP11 | Administrative Specialist | 1 | 2 | | 2 | |
| TOTAL 522 | Stormwater Management Section | 22 | 26 | 3,144,006 | 26 | 3,281,472 |
| 556 | Construction Field Services Section | | | | | |
| HP17 | Senior Civil Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP14 | Engineering Technician V | 1 | 1 | | 1 | |
| HP12 | Engineering Technician IV | 1 | 1 | | 1 | |
| TOTAL 556 | Construction Field Services Section | 4 | 4 | 430,129 | 4 | 452,860 |
| TOTAL | Engineering Department | 69 | 72 | 8,143,482 | 72 | 8,388,506 |

| Fund: Stormwater Management | | POSITION ANALYSIS | | | | |
|-----------------------------|---|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| 60000 | Maintenance & Operations Department | | | | | |
| 630 | General Division | | | | | |
| 634 | Channel Maintenance Unit | | | | | |
| HP18 | Principal Engineer | 1 | 1 | | 1 | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| TOTAL 634 | Channel Maintenance Unit | 2 | 2 | 292,957 | 2 | 263,240 |
| 636 | Boat Operations Unit | | | | | |
| HP14 | Engineering Technician V | 2 | 2 | | 2 | |
| HP12 | Engineering Technician IV | 2 | 2 | | 2 | |
| NR8650 | Maintenance Laborer Class A Shift | 2 | 2 | | 2 | |
| TOTAL 636 | Boat Operations Unit | 6 | 6 | 545,345 | 6 | 581,749 |
| 639 | Channel Maintenance Unit | | | | | |
| HP15 | Associate Civil Engineer | 1 | 1 | | 1 | |
| HP14 | Engineering Technician V | 1 | 2 | | 2 | |
| NR8650 | Maintenance Laborer Class A Shift | 2 | 2 | | 2 | |
| TOTAL 639 | Channel Maintenance Unit | 4 | 5 | 470,147 | 5 | 515,643 |
| 679 | Collection System Unit | | | | | |
| NR8331 | Laborer Foreman | 1 | 1 | | 1 | |
| NR8650 | Maintenance Laborer Class A Shift | 4 | 4 | | 4 | |
| PR6473 | Truck Driver | 1 | 1 | | 1 | |
| TOTAL 679 | Collection System Unit | 6 | 6 | 531,960 | 6 | 562,931 |
| TOTAL 630 | General Division | 18 | 19 | 1,840,408 | 19 | 1,923,563 |
| 940 | Stickney Service Area General Plant Services Section | | | | | |
| 924 | Stickney Maintenance Unit | | | | | |
| PR7773 | Pipefitter | 1 | 1 | | 1 | |
| TOTAL 924 | Stickney Maintenance Unit | 1 | 1 | 108,160 | 1 | 110,240 |
| 934 | Stickney Mechanical Operations Unit | | | | | |
| NR8650 | Maintenance Laborer Class A Shift | 4 | 4 | | 4 | |

| Fund: Stormwater Management | | POSITION ANALYSIS | | | | |
|-----------------------------|--|-------------------|---------------|--------------------------|---------------|--------------------------|
| | | 2021 | 2022 | | 2023 | |
| Pay Plan & Grade | Class Title | Actual FTEs | Budgeted FTEs | Appropriation in Dollars | Budgeted FTEs | Appropriation in Dollars |
| NR6831 | Operating Engineer I | 4 | 4 | | 4 | |
| TOTAL 934 | Stickney Mechanical Operations Unit | 8 | 8 | 785,907 | 8 | 837,741 |
| TOTAL 940 | Stickney Service Area General Plant Services Section | 9 | 9 | 894,067 | 9 | 947,981 |
| TOTAL | Maintenance & Operations Department | 27 | 28 | 2,734,476 | 28 | 2,871,543 |
| TOTAL | Stormwater Management | 96 | 100 | 10,877,958 | 100 | 11,260,049 |

NOTES: 1. The positions budgeted are funded by the Stormwater Management Fund while the operations remain in the Engineering and Maintenance & Operations Departments.
 2. Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix. Dollar amounts may not add up due to rounding.

SECTION VII

OTHER FUNDS

Other funds included in the annual District Budget are: the Reserve Claim Fund, Bond Redemption & Interest Fund, Retirement Fund, Corporate Working Cash Fund, Construction Working Cash Fund, and Stormwater Working Cash Fund.

The Reserve Claim Fund is used to accumulate resources for the payment of claims and judgments against the District, as well as for emergency repair or replacement of District facilities. A narrative description of the purpose and operation of this fund is contained in this section along with an appropriation schedule. A tax levy ordinance for this fund is presented in Section VIII of this Budget.

The Bond Redemption & Interest Fund is used to accumulate the proceeds from property taxes and investment income, which are set aside to pay the principal and interest on the outstanding bond issues of the District. These funds are segregated and accounted for by each bond issue. A narrative description of this fund and an appropriation schedule, detailing payment of principal and interest during 2023, are included in this section. A tax levy ordinance for the principal and interest due in 2023 and 2024 from the Bond Redemption & Interest Fund is included in Section VIII of this Budget. Statements of Outstanding Bonds and Estimated Statutory Debt Margin, with a graphic illustration of past, current, and estimated future debt service, are included in the Budget and Financial Summaries, Schedules, and Exhibits section, starting on page 74.

The Retirement Fund is the pension plan for District employees, accounted for in a trust fund the Illinois Compiled Statutes established as a legal entity separate and distinct from the District. This section contains an appropriation of taxes the District received on behalf of the Retirement Fund. A tax levy ordinance for this fund is presented in Section VIII of this Budget.

The District utilizes Corporate, Construction, and Stormwater Working Cash Funds, as authorized by Illinois Compiled Statutes, to make temporary loans to the Corporate, Construction, and Stormwater Management Funds. Loans are repaid to the Working Cash Funds from the tax levies of the funds. The use of Working Cash Funds eliminates the need to issue short-term financing. There will be no tax levies for the Corporate, Construction, or Stormwater Working Cash Funds in 2023.

Reserve Claim Fund:

| | |
|---|-----|
| Description of Fund, Purpose, and Operation | 515 |
| Line Item Analysis | 517 |

Bond Redemption & Interest Fund:

| | |
|--|-----|
| Description of Fund, Purpose, and Operation | 518 |
| Appropriation for Payment of Outstanding Bonds, 2023 | 521 |

Retirement Fund:

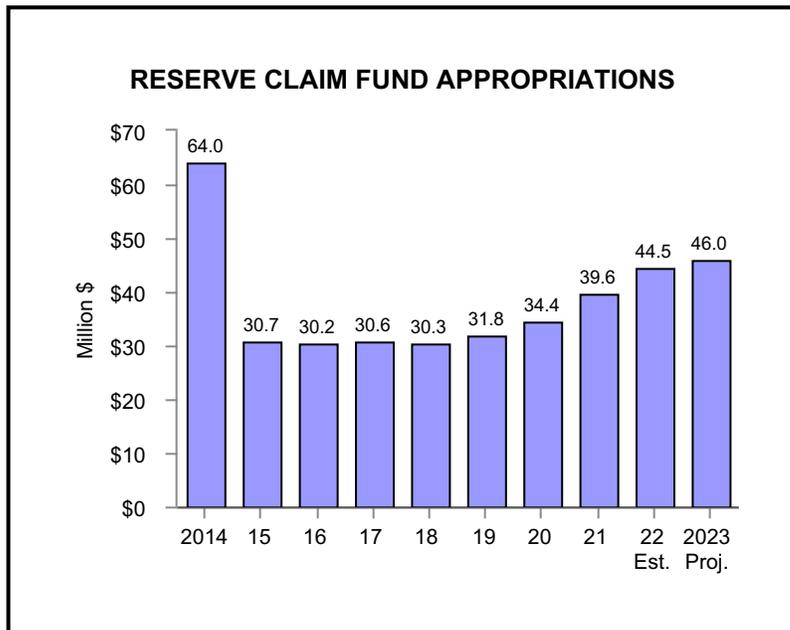
| | |
|---|-----|
| Description of Fund, Purpose, and Operation | 523 |
| Appropriation Ordinance (continued) | 526 |

RESERVE CLAIM FUND

Description of Fund, Purpose, and Operation

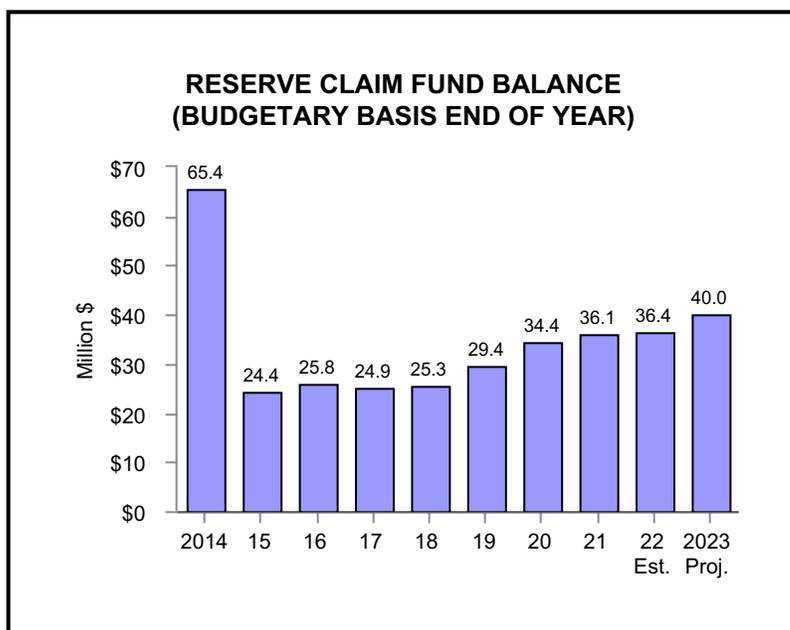
The Reserve Claim Fund is the District’s self-insurance fund. It is maintained at an appropriation level adequate to meet potential liabilities. The fund is capable of providing coverage for those risks that can be expected to be encountered and is able to pay such claims without exposing the agency to financial risk that could curtail normal operations of protecting the public health, safety, and welfare.

A property tax levy limited by law at 0.5 cents per \$100 of equalized assessed valuation (EAV) provides funds for this purpose. The accumulation of funds, per Illinois State Statute, is not to exceed 0.05 percent of the EAV, or approximately \$86.4 million. Resources are accumulated in this fund to the extent that revenue from the annual tax levy and investment income on the fund balance is reduced by the payment of claims.



In 2015, the reduction is due to a settlement in 2014.

The policy, set by the Board of Commissioners, is to accumulate a reserve fund balance towards the statutory limit and to levy at the statutory tax rate limit. This policy is similar in function to insurance reserves. The estimated 2022 year-end fund balance is \$36.4 million and the projection for 2023 is \$40.0 million.



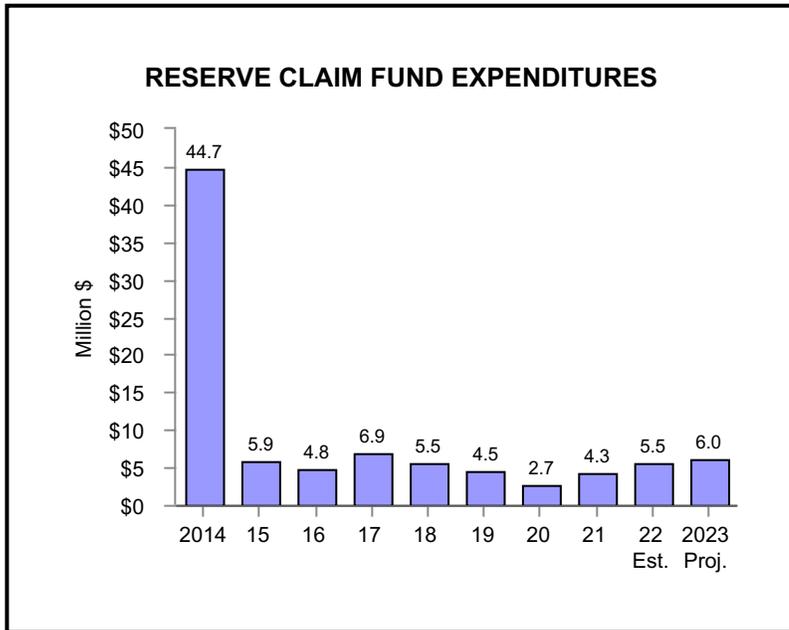
The Statutory Limit for Budget Year 2023 Proj. is \$86.4 million.

In 2015, the reduction is due to a settlement in 2014.

Description of Fund, Purpose, and Operation (continued)

The appropriation for the Reserve Claim Fund is not designed to be spent during any one budget year. The available fund balance plus new revenue to be received must be appropriated each year to authorize the District to fund emergencies and to settle large claims or lawsuits. Designation is also provided for accounts payable and other contingent liabilities. For 2023, accounts payable and other liabilities are estimated at \$0.3 million. The designation for liabilities is reviewed and adjusted on an annual basis.

The fund is appropriated in two line items, Account 601090 (Employee Claims) and Account 667220 (General Claims and Emergency Repair and Replacement Costs). Account 601090 is for the payment of workers' compensation and other District employee claims, while Account 667220 is used to pay general claims or judgments against the District, as well as emergency repairs or replacements of District facilities. District staff makes considerable efforts to control claim expenditures by implementing aggressive safety training programs and returning employees to work as soon as possible.



In 2015, the reduction is due to a settlement in 2014.

| 901 | Fund: Reserve Claim | LINE ITEM ANALYSIS | | | | | | |
|---|---|--------------------|------------------------|---------------------------------|--------------------------------|--------------------------------|---|---|
| | | 2021 | 2022 | | | 2023 | | |
| Account Number | Account Name | Expenditure | Original Appropriation | Adjusted Appropriation 12/31/22 | Estimated Expenditure 12/31/22 | Proposed by Executive Director | Recommended by Committee on Budget and Employment | Adopted and Amended by Board of Commissioners |
| 601090 | Employee Claims | \$ 2,823,881 | \$ 10,000,000 | \$ 10,000,000 | \$ 4,500,000 | \$ 10,000,000 | \$ 10,000,000 | \$ 10,000,000 |
| 100 | TOTAL PERSONAL SERVICES | 2,823,881 | 10,000,000 | 10,000,000 | 4,500,000 | 10,000,000 | 10,000,000 | 10,000,000 |
| 667220 | General Claims and Emergency Repair and Replacement Costs | 1,452,448 | 34,465,300 | 34,465,300 | 1,000,000 | 36,014,200 | 36,014,200 | 36,014,200 |
| 700 | TOTAL FIXED AND OTHER CHARGES | 1,452,448 | 34,465,300 | 34,465,300 | 1,000,000 | 36,014,200 | 36,014,200 | 36,014,200 |
| TOTAL RESERVE CLAIM FUND | | \$ 4,276,329 | \$ 44,465,300 | \$ 44,465,300 | \$ 5,500,000 | \$ 46,014,200 | \$ 46,014,200 | \$ 46,014,200 |
| NOTE: Amounts may not add up due to rounding. | | | | | | | | |

BOND REDEMPTION & INTEREST FUND

Description of Fund, Purpose, and Operation

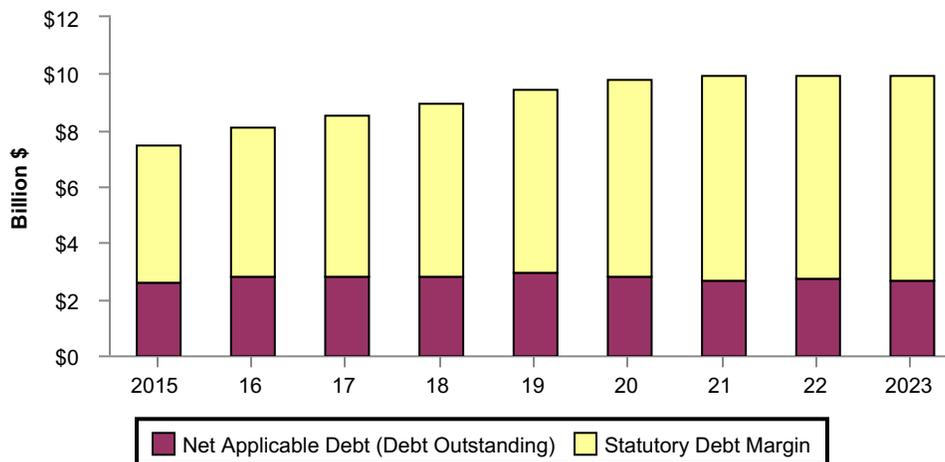
The District's Bond Redemption & Interest Fund is a debt service fund established to account for annual property tax levies and certain other revenues, principally interest on investments, which are used for the payment of interest and redemption of general obligation bond issues. Sub-funds are established for each debt issue. The 2023 Appropriation for bond redemption and interest payments is \$238,064,783.

Debt Limits, Margins, and Borrowing Authority

Applicable Illinois State Statutes establish the following limitations relative to the District:

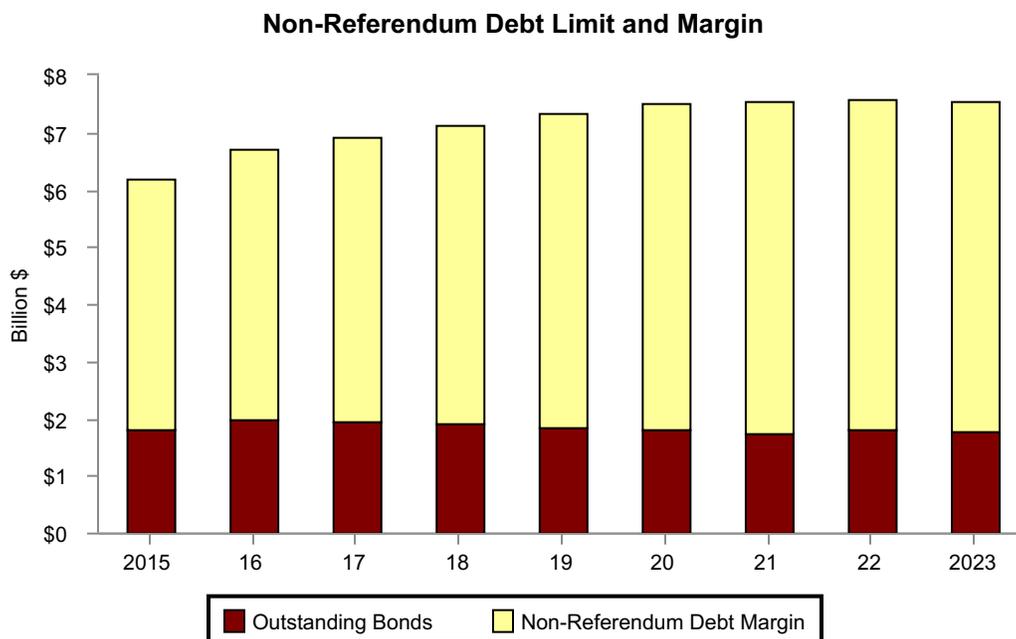
- General Obligation Notes may be issued at an amount not to exceed 85 percent of the current General Corporate Fund tax levy.
- The District may fund up to 100 percent of the aggregate total of the estimated amount of taxes levied or to be levied for corporate purposes plus the General Corporate Fund portion of the personal property replacement tax allocation certified for distribution during the budget year, through borrowing from the Corporate Working Cash Fund and the issuance of tax anticipation notes or warrants.
- The District's debt may not exceed 5.75 percent of the last published equalized assessed valuation (EAV) of taxable real property (\$172.7 billion for 2021) within the District boundary. On December 31, 2022, the District's statutory debt limit is estimated at \$9.9 billion, with a net applicable debt of \$2.7 billion and an estimated statutory debt margin of \$7.3 billion.

Net Debt and Statutory Debt Margin



- The amount of non-referendum Capital Improvements Bonds which may be outstanding may not exceed 3.35 percent of the last-known EAV of taxable real property within the District boundary. On December 31, 2022, it is estimated that the District's outstanding capital improvement and refunding bonds will total \$1.8 billion with a non-referendum statutory debt limit of \$5.8 billion and a non-referendum bonded debt margin of \$4.0 billion.
- The Illinois Compiled Statutes provide authorization for the funding of the District's Capital Improvement Program by the issuance of non-referendum Capital Improvements Bonds through the year 2034, as extended, effective January 1, 2020. Bonds may be issued during any one budget year in an amount not to exceed \$150.0 million plus the amounts of any bonds authorized and unissued during the three preceding budget years. This amount was increased from \$100.0 million during 2003 as the result of Public Act 93-0279. The extension of non-referendum bonding authority is a significant change that accommodates funding of the capital program as planned. Build America Bonds were issued in the amount of \$600.0 million in August 2009, and were exempted from the non-referendum authority by statute.
- Under the Tax Cap laws, "limited bonds" can be issued to the extent that the total debt service requirements of any new debt, when combined with existing debt service, does not exceed the debt service extension base established by the Act. The debt service extension limitation for the District, related to the 2022 tax year, is \$184.3 million.

Description of Fund, Purpose, and Operation (continued)



- 1997 legislation expanded the “limited bond” authority for the District. Public Act 90-0485 excludes debt associated with the Tunnel and Reservoir Plan program from the limitations imposed by prior Tax Cap legislation.
- Public Act 96-0501 allows for an annual increase in this debt service extension limitation base by the lesser of five percent or the percentage increase in the Consumer Price Index beginning with the 2009 levy.

BOND REDEMPTION & INTEREST FUND

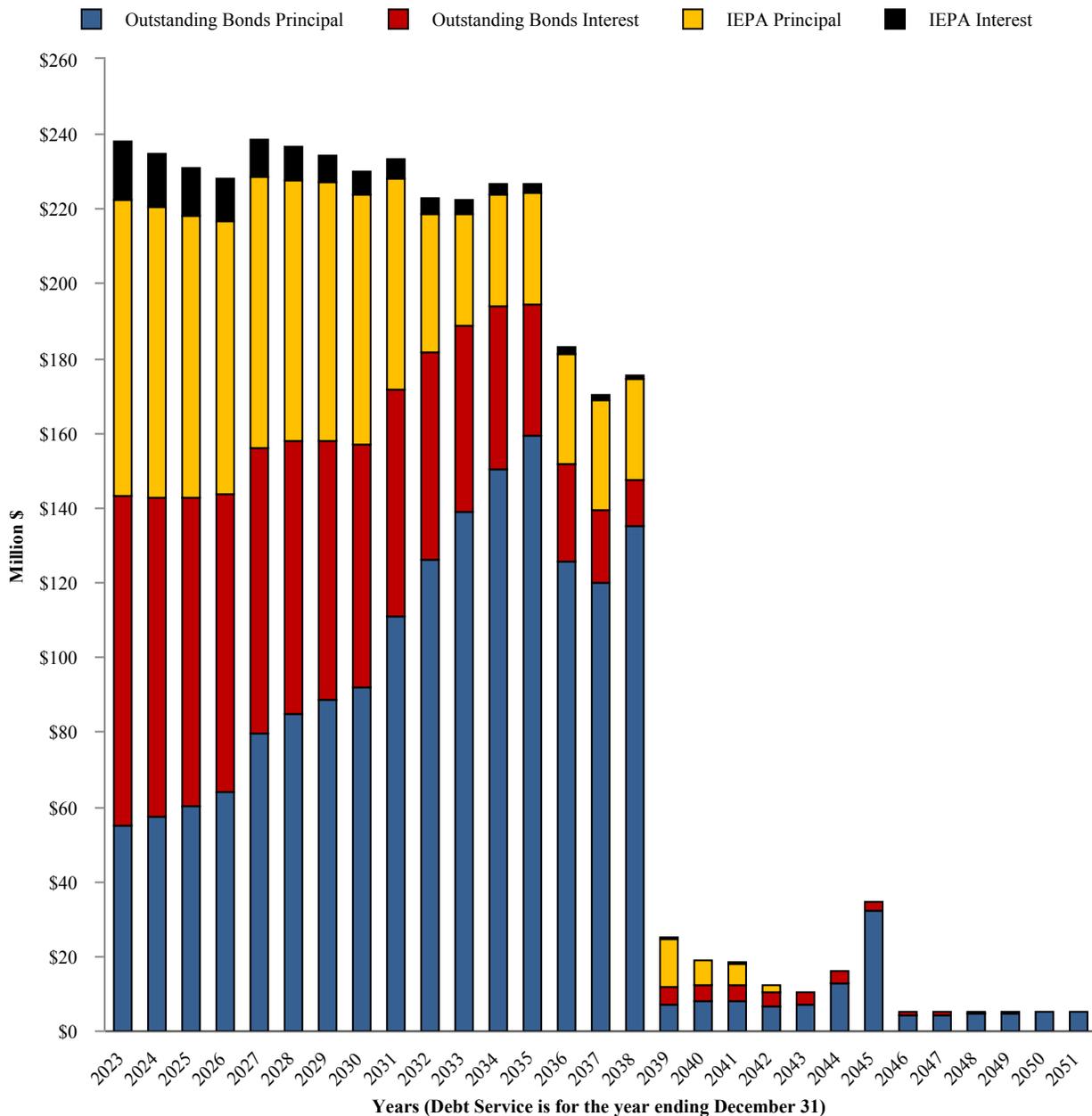
Description of Fund, Purpose, and Operation (continued)

Current and Future Bond Debt Service

The exhibit below reflects the current debt service obligation of the District. Bond sale proceeds provide partial financing for the ongoing new construction and rehabilitation program of the District. As current State Revolving Fund loans are converted to bonds, additional annual debt service will be added. These amounts will be in the range of \$6.0 to \$10.0 million per year.

The debt for future bond sales is not included in this exhibit. Future bond sales are based on estimated cash flow requirements of the Capital Improvements Bond Fund new construction and rehabilitation program. The estimates for total debt service assuming future bond sales are included in the Five-Year Financial Forecast in Section II, Budget and Financial Summaries, Schedules, and Exhibits, of this budget document.

**District General Obligation Bonded Debt Service
(Includes IEPA Debt)**



BOND REDEMPTION & INTEREST FUND

Appropriation for Payment of Outstanding Bonds During the Year 2023

| BOND ISSUE | RATES OF INTEREST | January 1, 2023 | | July 1, 2023 | | TOTAL PAYABLE |
|---|-------------------|------------------|-------------------|------------------|-------------------|---------------|
| | | INTEREST PAYABLE | PRINCIPAL PAYABLE | INTEREST PAYABLE | PRINCIPAL PAYABLE | |
| Capital Improvements Bonds - Series: | | | | | | |
| 2016 Qualified Energy Conservation Limited Tax Series F | 4.0 | \$ 80,000 (1) | \$ — | \$ 80,000 (2) | \$ — (2) | \$ 160,000 |
| 2009 Limited Tax Series | 5.72 | 17,160,000 (1) | — | 17,160,000 (2) | — (2) | 34,320,000 |
| 2014 Limited Tax Series C | 2.0 to 5.0 | 1,240,625 (1) | — | 1,240,625 (2) | — (2) | 2,481,250 |
| 2014 Alternate Revenue Unlimited Tax Series B | 2.0 to 5.0 | 51,975 (1) | — | 51,975 (2) | 1,130,000 (2) | 1,233,950 |
| 2016 Alternate Revenue Unlimited Tax Series E | 5.0 | 1,221,875 (1) | — | 1,221,875 (2) | 1,180,000 (2) | 3,623,750 |
| 2016 Unlimited Tax Series C | 5.0 | 750,000 (1) | — | 750,000 (2) | — (2) | 1,500,000 |
| 2016 Limited Tax Series D | 5.0 | 454,625 (1) | — | 454,625 (2) | 1,905,000 (2) | 2,814,250 |
| 2021 Limited Tax Series A | 4.0 to 5.0 | 2,628,025 (1) | — | 2,628,025 (2) | — (2) | 5,256,050 |
| 2021 Unlimited Tax Series B | 5.0 | 750,000 (1) | — | 750,000 (2) | — (2) | 1,500,000 |
| State Revolving Fund Bonds - Series: | | | | | | |
| 14M SRF L175372 | 1.750 | \$ 10,511 | \$ 33,900 | \$ 10,215 | \$ 34,198 | \$ 88,824 |
| 14N SRF L175371 | 1.750 | 10,011 | 32,288 | 9,729 | 32,572 | 84,600 |
| 14O SRF L175305 | 1.750 | 23,568 | 73,303 | 22,928 | 73,945 | 193,744 |
| 16A SRF L174555 | 1.750 | 938,127 | 2,917,794 | 912,597 | 2,943,325 | 7,711,843 |
| 14P SRF L175369 | 1.560 | 26,263 | 93,042 | 25,537 | 93,767 | 238,609 |
| 16C SRF L175367 | 1.760 | 204,431 | 589,112 | 199,247 | 594,297 | 1,587,087 |
| 14Q SRF L175539 | 1.760 | 22,416 | 62,462 | 21,866 | 63,012 | 169,756 |
| 14R SRF L175517 | 1.840 | 358,966 | 862,413 | 351,032 | 870,347 | 2,442,758 |
| 16G SRF L174708 | 2.000 | 149,665 | 325,693 | 146,408 | 328,949 | 950,715 |
| 16H SRF L172130 | 2.000 | 125,002 | 272,023 | 122,282 | 274,743 | 794,050 |
| 16I SRF L173798 | 2.000 | 223,930 | 458,063 | 219,351 | 462,644 | 1,363,988 |
| 16K SRF L172741 | 2.000 | 29,750 | 69,063 | 29,060 | 69,753 | 197,626 |
| 16P SRF L172744 | 1.350 | 58,016 | 193,384 | 56,710 | 194,690 | 502,800 |
| 14B SRF L175171 | 2.210 | 22,740 | 65,831 | 22,013 | 66,558 | 177,142 |
| 14C SRF L174559 | 2.295 | 115,940 | 539,483 | 109,749 | 545,675 | 1,310,847 |
| 14D SRF L175263 | 1.860 | 99,497 | 299,345 | 96,713 | 302,130 | 797,685 |
| 14E SRF L173062 | 1.860 | 352,472 | 1,022,333 | 342,965 | 1,031,841 | 2,749,611 |
| 14F SRF L175342 | 1.750 | 607,904 | 1,763,334 | 592,476 | 1,778,763 | 4,742,477 |
| 14G SRF L175152 | 1.860 | 158,139 | 458,678 | 153,875 | 462,944 | 1,233,636 |
| 14H SRF L175355 | 1.860 | 8,715 | 29,453 | 8,441 | 29,728 | 76,337 |
| 14K SRF L175366 | 1.860 | 39,984 | 120,295 | 38,865 | 121,414 | 320,558 |
| 14L SRF L175368 | 1.750 | 39,314 | 126,796 | 38,205 | 127,906 | 332,221 |
| 09D SRF L174558 | 2.295 | 242,551 | 1,069,711 | 230,276 | 1,081,986 | 2,624,524 |
| 12A SRF L174710 | 2.295 | 55,199 | 183,949 | 53,088 | 186,060 | 478,296 |
| 12B SRF L174712 | 2.295 | 47,273 | 157,538 | 45,466 | 159,346 | 409,623 |
| 12C SRF L174621 | 1.995 | 68,877 | 367,083 | 65,216 | 370,745 | 871,921 |
| 12D SRF L174988 | 1.930 | 166,589 | 868,263 | 158,212 | 876,643 | 2,069,707 |
| 12E SRF L174709 | 1.930 | 37,576 | 138,471 | 36,241 | 139,807 | 352,095 |
| 12F SRF L174989 | 1.930 | 349,134 | 1,648,719 | 333,225 | 1,664,629 | 3,995,707 |
| 12G SRF L174923 | 1.930 | 272,392 | 785,492 | 264,812 | 793,072 | 2,115,768 |
| 12H SRF L174924 | 1.930 | 151,524 | 767,533 | 144,118 | 774,940 | 1,838,115 |
| 12L SRF L175161 | 2.210 | 204,318 | 999,999 | 193,269 | 1,011,048 | 2,408,634 |
| 12J SRF L175172 | 1.995 | 18,449 | 65,504 | 17,795 | 66,159 | 167,907 |
| 12K SRF L174925 | 1.995 | 67,530 | 355,419 | 63,986 | 358,964 | 845,899 |

(1) Interest Payable June 1, 2023 (2) Interest and Principal Payable December 1, 2023

BOND REDEMPTION & INTEREST FUND**Appropriation for Payment of Outstanding Bonds During the Year 2023**

| BOND ISSUE | RATES OF INTEREST | January 1, 2023 | | July 1, 2023 | | TOTAL PAYABLE |
|---|-------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| | | INTEREST PAYABLE | PRINCIPAL PAYABLE | INTEREST PAYABLE | PRINCIPAL PAYABLE | |
| State Revolving Fund Bonds - Series (continued): | | | | | | |
| 09A SRF L173074 | 1.250 | \$ 148,131 | \$ 1,191,323 | \$ 140,685 | \$ 1,198,769 | \$ 2,678,908 |
| 09B SRF L173064 | — | — | 191,445 | — | 191,445 | 382,890 |
| 09C SRF L173063 | — | — | 55,979 | — | 55,979 | 111,958 |
| 09I SRF L174675 | 1.250 | 31,717 | 283,864 | 29,943 | 285,638 | 631,162 |
| 07A SRF L172625 | 2.500 | 235,498 | 1,149,730 | 221,127 | 1,164,102 | 2,770,457 |
| 07B SRF L172850 | 2.500 | 166,759 | 758,377 | 157,280 | 767,858 | 1,850,274 |
| 07C SRF L172770 | — | — | 1,666,667 | — | 1,666,667 | 3,333,334 |
| 09G SRF L173075 | 1.250 | 94,267 | 766,265 | 89,479 | 771,054 | 1,721,065 |
| 09H SRF L173800 | — | — | 18,396 | — | 18,397 | 36,793 |
| 09E SRF L173005 | 1.250 | 120,354 | 1,019,143 | 113,985 | 1,025,514 | 2,278,996 |
| 07D SRF L172763 | 2.500 | 53,715 | 262,241 | 50,437 | 265,519 | 631,912 |
| 09F SRF L174557 | 1.250 | 201,578 | 1,620,567 | 191,450 | 1,630,696 | 3,644,291 |
| 04G SRF L172611 | 2.500 | 14,226 | 120,259 | 12,723 | 121,762 | 268,970 |
| 04H SRF L172849 | 2.500 | 263,765 | 1,504,957 | 244,953 | 1,523,769 | 3,537,444 |
| 01A SRF L172126 | 2.570 | 71,340 | 1,826,996 | 47,863 | 1,850,473 | 3,796,672 |
| 97DD SRF L171152 | 2.905 | 14,770 | 504,754 | 7,438 | 512,087 | 1,039,049 |
| 01B SRF L172127 | 2.500 | 116,084 | 1,811,490 | 93,441 | 1,834,134 | 3,855,149 |
| 01C SRF L172128 | 2.500 | 141,345 | 1,555,799 | 121,898 | 1,575,247 | 3,394,289 |
| 04A SRF L172485 | 2.500 | 92,223 | 697,230 | 83,509 | 705,947 | 1,578,909 |
| 04B SRF L172488 | 2.500 | 107,735 | 814,501 | 97,554 | 824,683 | 1,844,473 |
| 04C SRF L172493 | 2.500 | 9,131 | 77,193 | 8,167 | 78,159 | 172,650 |
| 04D SRF L172494 | 2.500 | 8,757 | 74,027 | 7,832 | 74,952 | 165,568 |
| 04E SRF L172495 | 2.500 | 33,034 | 225,606 | 30,215 | 228,427 | 517,282 |
| 04F SRF L172496 | — | — | 99,367 | — | 99,368 | 198,735 |
| 12O SRF L175166 | 1.995 | 33,266 | 112,986 | 32,139 | 114,114 | 292,505 |
| 16B SRF L172129 | 1.840 | 33,734 | 86,381 | 32,941 | 87,176 | 240,232 |
| 12I SRF L175222 | 2.210 | 41,600 | 115,460 | 40,325 | 116,737 | 314,122 |
| 12M SRF L175168 | 2.210 | 109,157 | 279,514 | 106,070 | 282,604 | 777,345 |
| 12N SRF L175164 | 1.995 | 20,840 | 67,810 | 20,165 | 68,487 | 177,302 |
| 14I SRF L175223 | 1.860 | 71,824 | 208,323 | 69,887 | 210,261 | 560,295 |
| 14J SRF L175219 | 2.210 | 36,534 | 105,765 | 35,366 | 106,934 | 284,599 |
| 14A SRF L173076 | 2.210 | 428,745 | 2,098,415 | 405,559 | 2,121,604 | 5,054,323 |
| 16D SRF L175460 | 1.750 | 55,651 | 179,487 | 54,081 | 181,058 | 470,277 |
| Refunding Bonds - Series: | | | | | | |
| 2007 Unlimited Tax Series B | 4.0 to 5.0 | \$ 2,410,931 (1) | \$ — | \$ 2,410,932 (2) | \$ — (2) | \$ 4,821,863 |
| 2007 Limited Tax Series C | 4.0 to 5.0 | 2,673,825 (1) | — | 2,673,825 (2) | — (2) | 5,347,650 |
| 2016 Unlimited Tax Series A | 5.0 | 7,023,250 (1) | — | 7,023,250 (2) | 25,495,000 (2) | 39,541,500 |
| 2021 Limited Tax Series C | 5.0 | 3,914,625 (1) | — | 3,914,625 (2) | 20,290,000 (2) | 28,119,250 |
| 2021 Unlimited Tax Series D | 5.0 | 788,875 (1) | — | 788,875 (2) | — (2) | 1,577,750 |
| 2021 Unlimited Taxable Series E | 1.6 to 2.7 | 1,316,048 (1) | — | 1,316,048 (2) | — (2) | 2,632,096 |
| 2021 Alternate Revenue Unlimited Taxable Series F | 0.6 to 3.0 | 560,792 (1) | — | 560,792 (2) | 915,000 (2) | 2,036,584 |
| 2016 Limited Tax Series B | 5.0 | 1,033,250 (1) | — | 1,033,250 (2) | 4,175,000 (2) | 6,241,500 |
| TOTAL | | \$ 52,121,274 | \$ 39,366,086 | \$ 51,741,202 | \$ 94,836,221 | \$ 238,064,783 |

(1) Interest Payable June 1, 2023 (2) Interest and Principal Payable December 1, 2023

RETIREMENT FUND

Description of Fund, Purpose, and Operation

The Metropolitan Water Reclamation District Retirement Fund (Fund) is a defined benefit public employee retirement system that provides retirement, survivor, and disability benefits to the employees of the Metropolitan Water Reclamation District of Greater Chicago in accordance with Chapter 40, Act 5, Articles 1, 13, and 20 of the Illinois Compiled Statutes. The primary goal of the Fund is to provide required benefits to the members while preserving the fiscal integrity and financial stability of the Fund.

On August 3, 2012, the Governor signed Public Act 97-0894, which increased the nine percent required employee contributions one percent per year for three years beginning in 2013 to the current contribution of 12 percent for employees who first became a member of the Fund or certain reciprocal systems before January 1, 2011 (Tier I).

In 2014, the District's Board of Commissioners adopted a Funding Policy that incorporated a funding goal that will achieve a 100 percent funding ratio by the year 2050. Currently, the required employer contribution is based on the actuarially determined contribution required to achieve the District's funding goal but not to exceed an amount equal to employee contributions two years prior multiplied by 4.19.

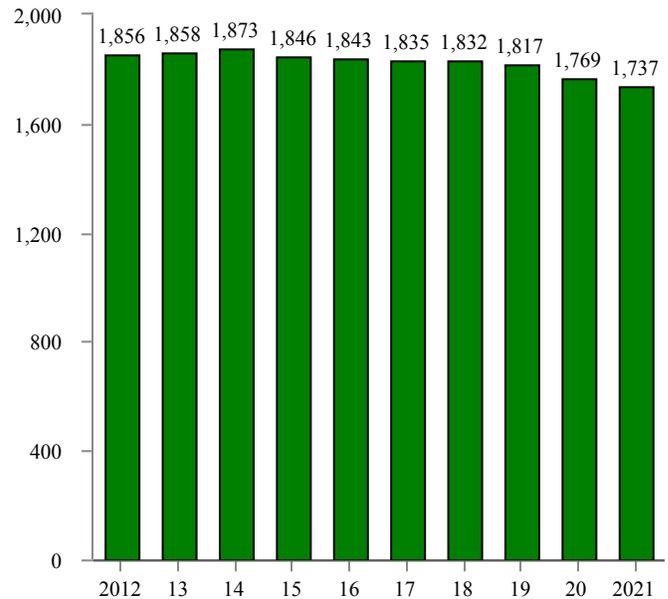
On April 22, 2022, the Governor signed Public Act 102-0707 allowing the District to issue up to \$600.0 million of Pension Obligation Bonds, the authorization has no sunset date, and the unlimited tax bonds would be excepted from debt service extension base limitations. The District will complete a full analysis of a potential bond sale based upon varying interest rates. Any bond issuance will only be pursued if an optimal low interest rate environment provided the opportunity. A \$249.2 million Pension Obligation Bond sale will be reflected as a transfer to the Retirement Fund in the appropriation.

The 2022 appropriation included an equity transfer of \$30.0 million to the Retirement Fund to provide advance funding to maintain growth in the Retirement Fund's funded ratio. The 2023 appropriation also includes an anticipated \$30.0 million transfer of excess revenue from the Corporate Fund.

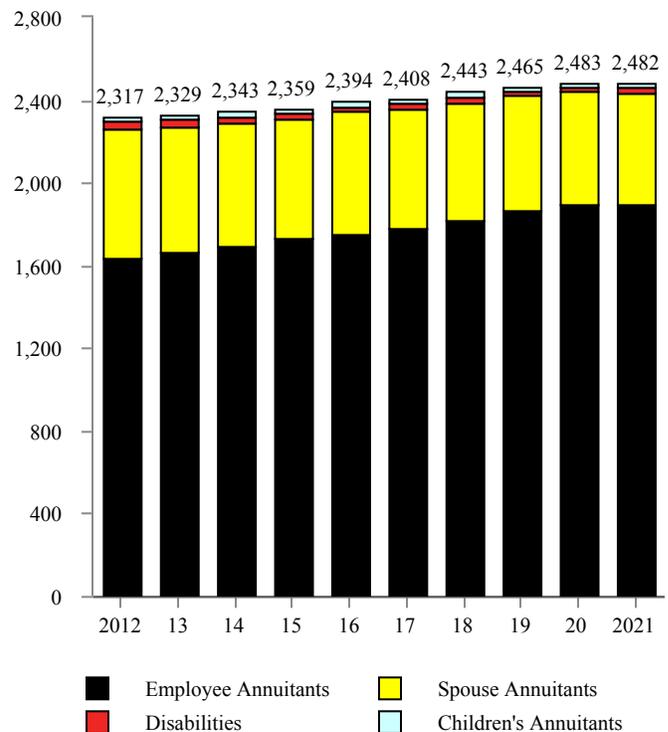
For the 2023 Budget, the gross property tax levy totals \$70.8 million, a decrease of \$1.2 million, or 1.7 percent, below the 2022 adjusted levy. The 2023 Personal Property Replacement Tax allocation to the Retirement Fund is \$18.1 million. The 2023 appropriation is \$117.9 million, a decrease of \$0.8 million, or 0.7 percent, below the 2022 Adjusted Budget. An additional amount of \$249.2 million is included in the appropriation and represents anticipated bond proceeds less transaction costs.

As of December 31, 2021, the Fund had 1,737 active (contributing) participants, 1,891 employee annuitants, 543 spouse annuitants, and 21 child annuitants. In addition, the Fund had 27 District employees receiving disability benefits at the end of the year.

Active Participants



Beneficiaries



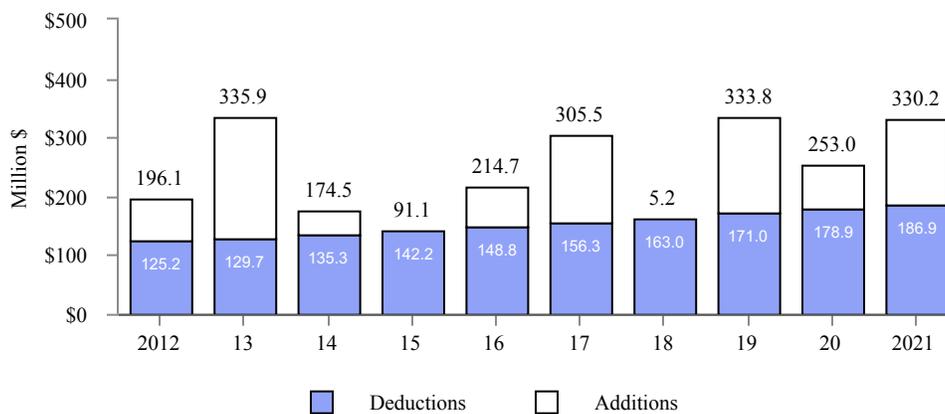
Description of Fund, Purpose, and Operation (continued)

Additions to the Fund are from the following sources:

- Employee contributions - Beginning in 2015, (Tier I) employees contribute 12 percent of salary to the Fund. Employees hired on or after January 1, 2011 (Tier II) contribute nine percent of salary.
- Employer contributions - Includes real estate property tax levies and the Personal Property Replacement Tax. In 2023, the District will levy a tax which will produce a sum that will be sufficient to meet the funding goals of the District's Funding Policy.
- Net investment income - Includes dividends and interest, as well as realized and unrealized appreciation (depreciation) in the fair value of the investments, less investment expense.

Total additions for 2021 were \$330.2 million, or \$77.3 million greater than in 2020, due to fluctuations in investment markets during the year. Additions in 2021 were the combined effect of employee and employer contributions of \$109.4 million, net investment income of \$220.7 million, securities lending income of \$95,800, and other income of \$5,200.

Additions vs. Deductions



Deductions for 2021 were \$186.9 million, which included annuity payments of \$182.0 million, refunds of \$2.3 million, administrative expenses of \$1.8 million, and disability benefits of \$0.8 million.

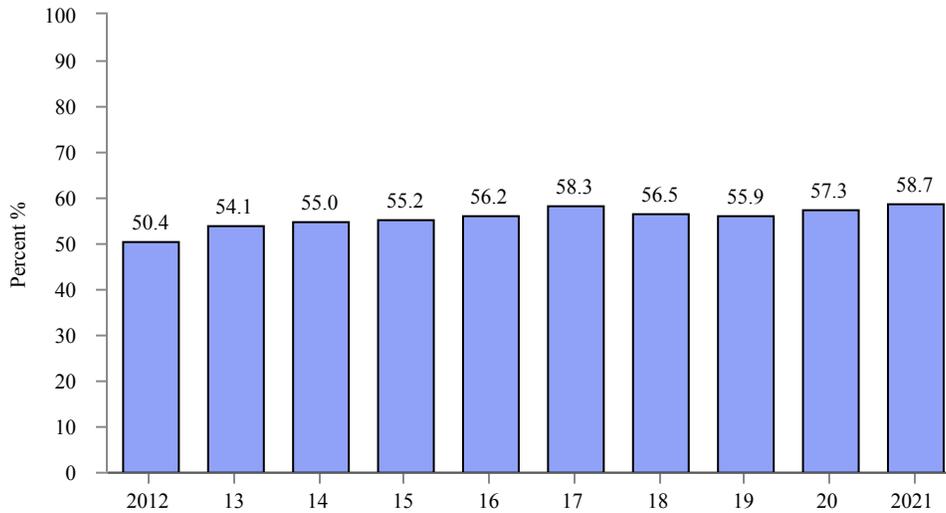
Deductions



Description of Fund, Purpose, and Operation (continued)

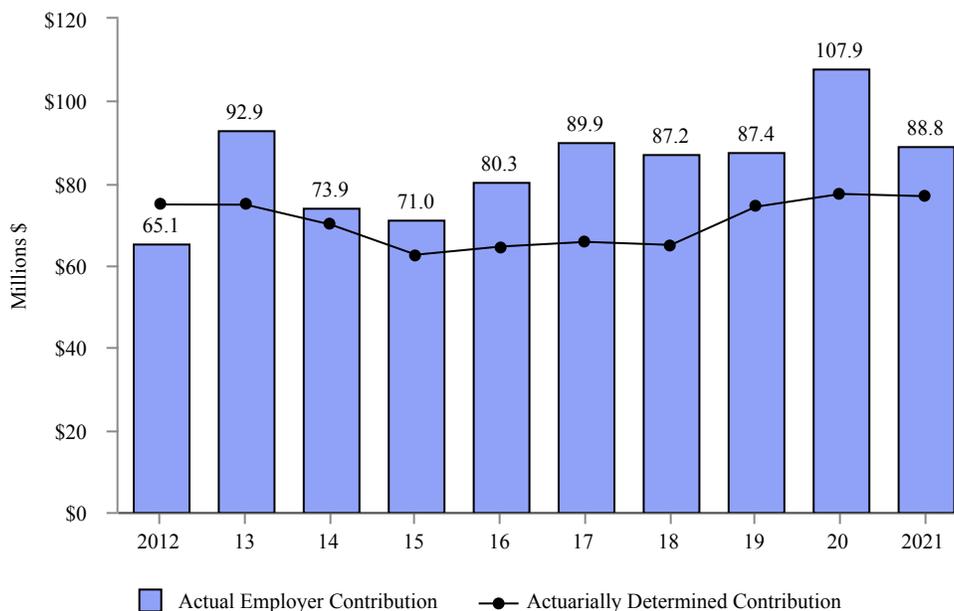
As of December 31, 2021, the funded ratio of the Fund was 58.7 percent utilizing the Actuarial Asset Value required by the Governmental Accounting Standards Board. The funded ratio has been in the range of 50.4 percent to 58.7 percent over the last ten years.

Funded Ratio at Actuarial Value



The 2022 actuarially determined contribution is \$76.7 million. The 2023 total appropriation is \$117.9 million which includes a \$30.0 million transfer of excess revenue from the Corporate Fund and \$87.9 million in the expected employer contribution. The additional \$11.2 million over the actuarially determined contribution is to maintain growth in the Retirement Fund's funded ratio. An additional amount of \$249.2 million is included in the appropriation and represents anticipated bond proceeds less transaction costs.

Contributions



APPROPRIATION ORDINANCE NUMBER O22-008A

**ANNUAL APPROPRIATION ORDINANCE OF THE
METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO
FOR THE FISCAL YEAR BEGINNING JANUARY 1, 2023
AND ENDING DECEMBER 31, 2023
(CONTINUED)**

And an amount of Estimated Expenditures for the Purpose of the Metropolitan Water Reclamation District Retirement Fund of \$117,915,000 for the employer funding contribution, plus \$250 million from bond sale proceeds, less all bond transaction costs, to be paid as a supplemental employer contribution.

Section 9. That the appropriation herein of the amounts for the payment of “unpaid bills” or “contractual liabilities,” or to defray the expense of any project or purpose, shall not be construed as an approval or an admission of liability by the Board of Commissioners of any said bills or contractual liabilities, or of any project or purpose mentioned herein

but shall be regarded only as the provision of a fund or funds, for the payment thereof when said bills or contractual liabilities have been found to be valid and legal obligations against the Metropolitan Water Reclamation District of Greater Chicago and when properly vouchered and audited by the Department of Finance, or when any project or purpose is approved and authorized by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago, as the case may be.

Section 10. This ordinance shall take effect January 1, 2023.

Approved as to Form and Legality:



General Counsel

Approved:



*President,
Board of Commissioners of the
Metropolitan Water Reclamation District
of Greater Chicago*

SECTION VIII

TAX LEVY ORDINANCES

The Tax Levy Ordinances are the means by which tax levies, enacted by the Board of Commissioners under authority of the Illinois Compiled Statutes, are given legal effect.

Each tax levy states the revenue which is to be raised, through the collection of property taxes, to finance the operations of a specific fund. The gross tax levy, which allows for loss in collection, is presented with the amount of estimated loss, where applicable. A factor of 3.5 percent for loss in collection is used for 2023 levies.

This section includes 2023 Tax Levy Ordinances for the Retirement Fund, Corporate Fund, Construction Fund, Reserve Claim Fund, and Stormwater Management Fund. A Tax Levy Ordinance, to pay the interest on outstanding bonds and to discharge the principal thereof, along with a detailed schedule of the 2023 Tax Levy for Payment of Outstanding Bonds, can also be found in this section.

| | |
|---|-----|
| Retirement Fund and Corporate Fund | 527 |
| Construction Fund | 528 |
| Bond Redemption & Interest Fund: | |
| Tax Levy Ordinance for Outstanding Bonds | 529 |
| Tax Levy for Payment of Outstanding Bonds, 2023 | 532 |
| Reserve Claim Fund | 534 |
| Stormwater Management Fund | 535 |

ORDINANCE NUMBER O22-009

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR
BEGINNING JANUARY 1, 2023 AND ENDING DECEMBER 31, 2023
UPON ALL TAXABLE PROPERTY WITHIN THE TERRITORIAL LIMITS OF THE
METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
AS SAID TERRITORIAL LIMITS EXIST ON JANUARY 1, 2023
FOR THE PURPOSE OF PROVIDING REVENUES FOR
THE METROPOLITAN WATER RECLAMATION DISTRICT
RETIREMENT FUND AND CORPORATE FUND**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. That there be and is hereby levied upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2023, for the fiscal year ending December 31, 2023, the amounts of money hereinafter stated as follows:

For the amount certified to the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago by the Retirement Board of the Metropolitan Water Reclamation District Retirement Fund for the purpose of providing the revenue for the Retirement Fund of the Metropolitan Water Reclamation District pursuant to Article 13 of the Illinois Pension Code, the sum of \$70,845,000 which includes the sum of \$2,479,575 as a reserve for loss in collection of taxes, distributed as

| | |
|---|----------------------|
| Contributions for Service Retirement Allowances and Spouses’ Allowances | \$ 13,713,100 |
| Contributions for Ordinary Disability Benefits | 847,300 |
| Contributions for Duty Disability Benefits | 130,600 |
| Contributions for Expense of Administration | 1,615,600 |
| Contributions for Children’s Annuities | 103,300 |
| Contributions for Current and Past Service Requirements | 54,435,100 |
| | <u>\$ 70,845,000</u> |

For Corporate Purposes of the said Metropolitan Water Reclamation District of Greater Chicago, “the sum of \$292,900,000 which includes the sum of \$10,251,500 as a reserve for loss in the collection of taxes.”

Section 2. That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago be, and is hereby directed to certify to the County Clerk of Cook County, the several amounts above set forth to be raised by taxation in the year 2023 and to file a certified copy of the Ordinance with the said County Clerk of Cook County and said County Clerk of Cook County aforesaid, is hereby directed to cause the aforesaid amounts of money to be extended upon and against the taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2023, all in accordance with the laws and statutes of the State of Illinois in such case made and provided, and the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby directed to cause this Ordinance to be published at least once in a newspaper published within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago and to incur the necessary expenses therefor.

Section 3. This Ordinance shall take effect January 1, 2023.

Approved as to Form and Legality:

Approved:



General Counsel

President,
Board of Commissioners of the
Metropolitan Water Reclamation District
of Greater Chicago

ORDINANCE NUMBER O22-010

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR BEGINNING
 JANUARY 1, 2023 AND ENDING DECEMBER 31, 2023
 UPON ALL TAXABLE PROPERTY WITHIN THE TERRITORIAL LIMITS OF THE
 METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
 AS SAID TERRITORIAL LIMITS EXIST ON JANUARY 1, 2023
 FOR THE PURPOSE OF PROVIDING REVENUES
 FOR THE CONSTRUCTION FUND**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. That there be and is hereby levied upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2023, for the fiscal year ending December 31, 2023, to provide revenue for the replacement, remodeling, completion, alteration, construction, and enlargement, including alterations, enlargements and replacements which will add appreciably to the value, utility, or the useful life of sewage treatment works, administrative buildings, flood control facilities, or water quality improvement projects, and additions therefor, pumping stations, tunnels, conduits and intercepting sewers connecting therewith, and outlet sewers together with the equipment and appurtenances necessary thereto, and for the acquisition of the sites and rights of way necessary thereto, and for engineering expenses for designing and supervising the construction of the works above described, “the sum of \$7,000,000 which includes the sum of \$245,000 as a reserve for loss in collection of taxes.”

Section 2. That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago be, and is hereby directed to certify to the County Clerk of Cook County, the amount above set forth to be raised by taxation in the year

2023 and to file a certified copy of the Ordinance with the said County Clerk of Cook County, and said County Clerk of Cook County aforesaid, is hereby directed to cause the aforesaid amount of money to be extended upon and against the taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2023, all in accordance with the laws and statutes of the State of Illinois in such case made and provided, and subject to reduction as provided in the text below, and the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby directed to cause this Ordinance to be published at least once in a newspaper published within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago and to incur the necessary expenses therefor.

Section 3. That said County Clerk of Cook County, as tax extension officer for said District, is hereby directed to *reduce this levy of taxes* by the District for the year 2023 by the amount necessary to enable said District’s aggregate tax levies to comply with the Property Tax Extension Limitation Law; that is, the entire reduction in the aggregate of all tax levies for said District for the year 2023 required by said Law shall be taken against the Construction Fund levy as set forth in this Ordinance.

Section 4. This Ordinance shall take effect January 1, 2023.

Approved as to Form and Legality:



General Counsel

Approved:



*President,
 Board of Commissioners of the
 Metropolitan Water Reclamation District
 of Greater Chicago*

ORDINANCE NUMBER O22-011

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR BEGINNING
JANUARY 1, 2023 AND ENDING DECEMBER 31, 2023
TO PAY THE INTEREST ON OUTSTANDING BONDS AND TO
DISCHARGE THE PRINCIPAL THEREOF**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. For the purpose of creating a sinking fund to pay the principal and interest on outstanding bonds, there is hereby levied upon all taxable property within the territorial

limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2023, and all taxable property in townships or parts of townships disconnected from the Metropolitan Water Reclamation District of Greater Chicago prior to January 1, 2023, but after the issuance of any bonds, the amounts of money hereinafter stated:

Capital Improvements Bonds - Series:

| | | |
|---|----------|------------|
| 2016 Qualified Energy Conservation Limited Tax Series F | 07/07/16 | \$ 165,804 |
| 2009 Limited Tax Series | 08/26/09 | 35,564,767 |
| 2014 Limited Tax Series C | 01/06/15 | 3,768,135 |
| 2014 Alternate Revenue Unlimited Tax Series B | 01/06/15 | 1,278,497 |
| 2016 Alternate Revenue Unlimited Tax Series E | 07/07/16 | 3,756,218 |
| 2016 Unlimited Tax Series C | 07/07/16 | 1,554,405 |
| 2016 Limited Tax Series D | 07/07/16 | 2,916,062 |
| 2021 Limited Tax Series A | 12/07/21 | 5,446,684 |
| 2021 Unlimited Tax Series B | 12/07/21 | 1,554,404 |

State Revolving Funds Bonds - Series:

| | |
|-----------------|--------------|
| 09D SRF L174558 | \$ 2,719,713 |
| 12A SRF L174710 | 495,644 |
| 12B SRF L174712 | 424,480 |
| 12C SRF L174621 | 913,249 |
| 12D SRF L174988 | 2,144,773 |
| 12E SRF L174709 | 364,865 |
| 12F SRF L174989 | 4,182,055 |
| 12G SRF L174923 | 2,237,666 |
| 12H SRF L174924 | 1,904,781 |
| 12I SRF L175222 | 336,472 |
| 12J SRF L175172 | 173,997 |
| 12K SRF L174925 | 889,062 |
| 12L SRF L175161 | 2,557,534 |
| 12M SRF L175168 | 873,990 |
| 12N SRF L175164 | 186,530 |
| 12O SRF L175166 | 303,114 |
| 14A SRF L173076 | 5,237,640 |
| 14B SRF L175171 | 183,566 |
| 14C SRF L174559 | 1,358,390 |
| 14D SRF L175263 | 828,388 |
| 14E SRF L173062 | 2,914,927 |
| 14F SRF L175342 | 4,930,620 |
| 14G SRF L175152 | 1,364,037 |
| 14H SRF L175355 | 79,322 |
| 14I SRF L175223 | 809,704 |

ORDINANCE NUMBER O22-011

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR BEGINNING
JANUARY 1, 2023 AND ENDING DECEMBER 31, 2023
TO PAY THE INTEREST ON OUTSTANDING BONDS AND TO
DISCHARGE THE PRINCIPAL THEREOF (CONTINUED)**

State Revolving Funds Bonds - Series (continued):

| | | |
|-----------------------|----|-----------|
| 14J SRF L175219 | \$ | 315,495 |
| 14K SRF L175366 | | 348,797 |
| 14L SRF L175368 | | 345,145 |
| 14M SRF L175372 | | 92,450 |
| 14N SRF L175371 | | 98,615 |
| 14O SRF L175305 | | 203,389 |
| 14P SRF L175369 | | 256,092 |
| 14Q SRF L175539 | | 302,290 |
| 14R SRF L175517 | | 3,872,936 |
| 16A SRF L174555 | | 8,497,410 |
| 16B SRF L172129 | | 273,531 |
| 16C SRF L175367 | | 2,134,539 |
| 16D SRF L175460 | | 503,634 |
| 16G SRF L174708 | | 1,117,231 |
| 16H SRF L172130 | | 927,870 |
| 16I SRF L173798 | | 1,723,188 |
| 16K SRF L172741 | | 208,297 |
| 16N SRF L175578 | | 735,275 |
| 16O SRF L173801 | | 139,347 |
| 16P SRF L172744 | | 551,456 |
| 21C SRF L172742 | | 399,652 |
| 21D SRF L175523 | | 663,190 |
| 21E SRF L175569 | | 544,453 |
| 21G SRF L174620 | | 828,263 |
| 09A SRF L173074 | | 2,776,069 |
| 09B SRF L173064 | | 396,777 |
| 09C SRF L173063 | | 116,018 |
| 09I SRF L174675 | | 654,054 |
| 07A SRF L172625 | | 2,870,941 |
| 07B SRF L172850 | | 1,917,381 |
| 07C SRF L172770 | | 3,454,231 |
| 09G SRF L173075 | | 1,783,486 |
| 09H SRF L173800 | | 38,126 |
| 09E SRF L173005 | | 2,361,654 |
| 07D SRF L172763 | | 654,830 |
| 09F SRF L174557 | | 3,776,466 |
| 04G SRF L172611 | | 278,725 |
| 04H SRF L172849 | | 3,665,744 |
| 01B SRF L172127 | | 3,994,973 |
| 01C SRF L172128 | | 3,517,397 |
| 04A SRF L172485 | | 1,636,174 |
| 04B SRF L172488 | | 1,911,370 |
| 04C SRF L172493 | | 178,912 |
| 04D SRF L172494 | | 171,572 |
| 04E SRF L172495 | | 536,042 |
| 04F SRF L172496 | | 205,942 |

ORDINANCE NUMBER O22-011

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR BEGINNING
JANUARY 1, 2023 AND ENDING DECEMBER 31, 2023
TO PAY THE INTEREST ON OUTSTANDING BONDS AND TO
DISCHARGE THE PRINCIPAL THEREOF (CONTINUED)**

Refunding Bonds - Series:

| | | |
|---|----------------|----------------|
| 2007 Unlimited Tax Series B | 03/21/07 | \$ 4,996,749 |
| 2007 Limited Tax Series C | 03/21/07 | 5,541,607 |
| 2016 Unlimited Tax Series A | 07/07/16 | 40,856,736 |
| 2016 Limited Tax Series B | 07/07/16 | 6,344,819 |
| 2021 Limited Tax Series C | 12/07/21 | 27,880,570 |
| 2021 Unlimited Tax Series D | 12/07/21 | 1,634,974 |
| 2021 Unlimited Taxable Series E | 12/07/21 | 2,727,561 |
| 2021 Alternate Revenue Unlimited Taxable Series F | 12/07/21 | 2,108,804 |
| | | \$ 248,490,744 |

Section 2. That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago be, and is hereby directed to certify to the County Clerk of Cook County, the several amounts above set forth to be raised by taxation in the year 2023 for the purpose of providing the funds to pay the interest on bonds and discharge the principal thereof, and to file a certified copy of this Ordinance with said County Clerk of Cook County, and said County Clerk of Cook County is hereby directed to cause aforesaid amounts of money to be extended upon and against taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023, and the County Clerk of Cook County is further directed to extend upon all taxable property in all townships or parts of townships disconnected

from the Metropolitan Water Reclamation District of Greater Chicago prior to January 1, 2023 those amounts aforesaid necessary to pay the principal and interest for any bonds issued prior to the date of disconnection, all in accordance with the laws and statutes of the State of Illinois in such case made and provided, and the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby directed to cause this Ordinance to be published at least once in a newspaper published within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago and to incur the necessary expenses therefor.

Section 3. This Ordinance shall take effect January 1, 2023.

Approved as to Form and Legality:



General Counsel

Approved:



*President,
Board of Commissioners of the
Metropolitan Water Reclamation District
of Greater Chicago*

BOND REDEMPTION AND INTEREST FUND
2023 Tax Levy for Payment of Outstanding Bonds

| BOND ISSUE | ISSUE DATED | INTEREST PAYMENT DATES | INTEREST | PRINCIPAL | RESERVE FOR UNCOLLECTED TAX (A) | GROSS LEVY |
|---|-------------|------------------------|------------|--------------|---------------------------------|--------------|
| Capital Improvements Bonds - Series: | | | | | | |
| 2016 Qualified Energy Conservation Limited Tax Series F | 07/07/16 | 6/1/23 - 12/1/23 | \$ 160,000 | \$ — | \$ 5,804 | \$ 165,804 |
| 2009 Limited Tax Series | 08/26/09 | 6/1/23 - 12/1/23 | 34,320,000 | — | 1,244,767 | 35,564,767 |
| 2014 Limited Tax Series C | 01/06/15 | 6/1/23 - 12/1/23 | 2,481,250 | 1,155,000 | 131,885 | 3,768,135 |
| 2014 Alternate Revenue Unlimited Tax Series B | 01/06/15 | 6/1/23 - 12/1/23 | 58,750 | 1,175,000 | 44,747 | 1,278,497 |
| 2016 Alternate Revenue Unlimited Tax Series E | 07/07/16 | 6/1/23 - 12/1/23 | 2,384,750 | 1,240,000 | 131,468 | 3,756,218 |
| 2016 Unlimited Tax Series C | 07/07/16 | 6/1/23 - 12/1/23 | 1,500,001 | — | 54,404 | 1,554,405 |
| 2016 Limited Tax Series D | 07/07/16 | 6/1/23 - 12/1/23 | 814,000 | 2,000,000 | 102,062 | 2,916,062 |
| 2021 Limited Tax Series A | 12/07/21 | 6/1/23 - 12/1/23 | 5,256,050 | — | 190,634 | 5,446,684 |
| 2021 Unlimited Tax Series B | 12/07/21 | 6/1/23 - 12/1/23 | 1,500,000 | — | 54,404 | 1,554,404 |
| State Revolving Funds Bonds - Series: | | | | | | |
| 09D SRF L174558 | 07/01/13 | 7/1/23 - 1/1/24 | \$ 397,902 | \$ 2,226,621 | \$ 95,190 | \$ 2,719,713 |
| 12A SRF L174710 | 07/01/14 | 7/1/23 - 1/1/24 | 95,403 | 382,893 | 17,348 | 495,644 |
| 12B SRF L174712 | 07/01/14 | 7/1/23 - 1/1/24 | 81,705 | 327,918 | 14,857 | 424,480 |
| 12C SRF L174621 | 07/01/16 | 7/1/23 - 1/1/24 | 183,339 | 697,946 | 31,964 | 913,249 |
| 12D SRF L174988 | 07/01/15 | 7/1/23 - 1/1/24 | 273,797 | 1,795,909 | 75,067 | 2,144,773 |
| 12E SRF L174709 | 07/01/15 | 7/1/23 - 1/1/24 | 65,683 | 286,412 | 12,770 | 364,865 |
| 12F SRF L174989 | 07/01/15 | 7/1/23 - 1/1/24 | 532,683 | 3,503,000 | 146,372 | 4,182,055 |
| 12G SRF L174923 | 07/01/18 | 7/1/23 - 1/1/24 | 517,026 | 1,642,322 | 78,318 | 2,237,666 |
| 12H SRF L174924 | 07/01/15 | 7/1/23 - 1/1/24 | 250,555 | 1,587,559 | 66,667 | 1,904,781 |
| 12I SRF L175222 | 07/01/16 | 7/1/23 - 1/1/24 | 76,638 | 248,057 | 11,777 | 336,472 |
| 12J SRF L175172 | 07/01/15 | 7/1/23 - 1/1/24 | 32,265 | 135,642 | 6,090 | 173,997 |
| 12K SRF L174925 | 07/01/15 | 7/1/23 - 1/1/24 | 171,706 | 686,239 | 31,117 | 889,062 |
| 12L SRF L175161 | 07/01/16 | 7/1/23 - 1/1/24 | 582,524 | 1,885,496 | 89,514 | 2,557,534 |
| 12M SRF L175168 | 07/01/18 | 7/1/23 - 1/1/24 | 213,074 | 630,326 | 30,590 | 873,990 |
| 12N SRF L175164 | 07/01/16 | 7/1/23 - 1/1/24 | 37,447 | 142,554 | 6,529 | 186,530 |
| 12O SRF L175166 | 07/01/15 | 7/1/23 - 1/1/24 | 58,541 | 233,964 | 10,609 | 303,114 |
| 14A SRF L173076 | 07/01/16 | 7/1/23 - 1/1/24 | 1,192,966 | 3,861,357 | 183,317 | 5,237,640 |
| 14B SRF L175171 | 07/01/16 | 7/1/23 - 1/1/24 | 40,315 | 136,826 | 6,425 | 183,566 |
| 14C SRF L174559 | 07/01/16 | 7/1/23 - 1/1/24 | 308,281 | 1,002,565 | 47,544 | 1,358,390 |
| 14D SRF L175263 | 07/01/18 | 7/1/23 - 1/1/24 | 185,367 | 614,027 | 28,994 | 828,388 |
| 14E SRF L173062 | 07/01/18 | 7/1/23 - 1/1/24 | 652,268 | 2,160,637 | 102,022 | 2,914,927 |
| 14F SRF L175342 | 07/01/19 | 7/1/23 - 1/1/24 | 1,110,217 | 3,647,831 | 172,572 | 4,930,620 |
| 14G SRF L175152 | 07/01/18 | 7/1/23 - 1/1/24 | 305,228 | 1,011,068 | 47,741 | 1,364,037 |
| 14H SRF L175355 | 07/01/17 | 7/1/23 - 1/1/24 | 15,532 | 61,014 | 2,776 | 79,322 |
| 14I SRF L175223 | 07/01/18 | 7/1/23 - 1/1/24 | 181,186 | 600,178 | 28,340 | 809,704 |
| 14J SRF L175219 | 07/01/16 | 7/1/23 - 1/1/24 | 69,290 | 235,163 | 11,042 | 315,495 |
| 14K SRF L175366 | 07/01/18 | 7/1/23 - 1/1/24 | 78,050 | 258,539 | 12,208 | 348,797 |
| 14L SRF L175368 | 07/01/18 | 7/1/23 - 1/1/24 | 73,228 | 259,837 | 12,080 | 345,145 |
| 14M SRF L175372 | 07/01/18 | 7/1/23 - 1/1/24 | 19,615 | 69,599 | 3,236 | 92,450 |
| 14N SRF L175371 | 07/01/18 | 7/1/23 - 1/1/24 | 20,923 | 74,240 | 3,452 | 98,615 |
| 14O SRF L175305 | 07/01/18 | 7/1/23 - 1/1/24 | 43,152 | 153,118 | 7,119 | 203,389 |
| 14P SRF L175369 | 07/01/18 | 7/1/23 - 1/1/24 | 52,096 | 195,033 | 8,963 | 256,092 |
| 14Q SRF L175539 | 07/01/20 | 7/1/23 - 1/1/24 | 68,404 | 223,306 | 10,580 | 302,290 |
| 14R SRF L175517 | 07/01/21 | 7/1/23 - 1/1/24 | 1,012,441 | 2,724,942 | 135,553 | 3,872,936 |
| 16A SRF L174555 | 07/01/18 | 7/1/23 - 1/1/24 | 1,802,846 | 6,397,155 | 297,409 | 8,497,410 |
| 16B SRF L172129 | 07/01/20 | 7/1/23 - 1/1/24 | 67,948 | 196,009 | 9,574 | 273,531 |

BOND REDEMPTION AND INTEREST FUND
2023 Tax Levy for Payment of Outstanding Bonds

| BOND ISSUE | ISSUE DATED | INTEREST PAYMENT DATES | INTEREST | PRINCIPAL | RESERVE FOR UNCOLLECTED TAX (A) | GROSS LEVY |
|--|-------------|------------------------|-----------------------|-----------------------|---------------------------------|-----------------------|
| State Revolving Funds Bonds - Series (continued): | | | | | | |
| 16C SRF L175367 | 07/01/19 | 7/1/23 - 1/1/24 | \$ 483,015 | \$ 1,576,815 | \$ 74,709 | \$ 2,134,539 |
| 16D SRF L175460 | 07/01/18 | 7/1/23 - 1/1/24 | 103,536 | 382,471 | 17,627 | 503,634 |
| 16G SRF L174708 | 07/01/21 | 7/1/23 - 1/1/24 | 313,257 | 764,871 | 39,103 | 1,117,231 |
| 16H SRF L172130 | 07/01/21 | 7/1/23 - 1/1/24 | 260,163 | 635,232 | 32,475 | 927,870 |
| 16I SRF L173798 | 07/01/22 | 7/1/23 - 1/1/24 | 506,404 | 1,156,472 | 60,312 | 1,723,188 |
| 16K SRF L172741 | 07/01/20 | 7/1/23 - 1/1/24 | 55,538 | 145,469 | 7,290 | 208,297 |
| 16N SRF L175578 | 07/01/24 | 7/1/23 - 1/1/24 | 167,400 | 542,140 | 25,735 | 735,275 |
| 16O SRF L173801 | 07/01/24 | 7/1/23 - 1/1/24 | 31,725 | 102,745 | 4,877 | 139,347 |
| 16P SRF L172744 | 07/01/22 | 7/1/23 - 1/1/24 | 115,861 | 416,294 | 19,301 | 551,456 |
| 21C SRF L172742 | 07/01/24 | 7/1/23 - 1/1/24 | 76,590 | 309,074 | 13,988 | 399,652 |
| 21D SRF L175523 | 07/01/24 | 7/1/23 - 1/1/24 | 127,095 | 512,883 | 23,212 | 663,190 |
| 21E SRF L175569 | 07/01/23 | 7/1/23 - 1/1/24 | 100,828 | 424,569 | 19,056 | 544,453 |
| 21G SRF L174620 | 07/01/24 | 7/1/23 - 1/1/24 | 158,730 | 640,544 | 28,989 | 828,263 |
| 09A SRF L173074 | 07/01/12 | 7/1/23 - 1/1/24 | 243,721 | 2,435,186 | 97,162 | 2,776,069 |
| 09B SRF L173064 | 06/21/11 | 7/1/23 - 1/1/24 | — | 382,890 | 13,887 | 396,777 |
| 09C SRF L173063 | 01/15/11 | 7/1/23 - 1/1/24 | — | 111,957 | 4,061 | 116,018 |
| 09I SRF L174675 | 06/21/11 | 7/1/23 - 1/1/24 | 50,915 | 580,247 | 22,892 | 654,054 |
| 07A SRF L172625 | 06/17/10 | 7/1/23 - 1/1/24 | 368,768 | 2,401,690 | 100,483 | 2,870,941 |
| 07B SRF L172850 | 07/01/10 | 7/1/23 - 1/1/24 | 266,087 | 1,584,186 | 67,108 | 1,917,381 |
| 07C SRF L172770 | 01/01/11 | 7/1/23 - 1/1/24 | — | 3,333,333 | 120,898 | 3,454,231 |
| 09G SRF L173075 | 07/01/13 | 7/1/23 - 1/1/24 | 154,740 | 1,566,324 | 62,422 | 1,783,486 |
| 09H SRF L173800 | 04/23/11 | 7/1/23 - 1/1/24 | — | 36,792 | 1,334 | 38,126 |
| 09E SRF L173005 | 08/06/11 | 7/1/23 - 1/1/24 | 195,762 | 2,083,234 | 82,658 | 2,361,654 |
| 07D SRF L172763 | 06/10/10 | 7/1/23 - 1/1/24 | 84,112 | 547,799 | 22,919 | 654,830 |
| 09F SRF L174557 | 07/01/16 | 7/1/23 - 1/1/24 | 331,685 | 3,312,605 | 132,176 | 3,776,466 |
| 04G SRF L172611 | 01/31/07 | 7/1/23 - 1/1/24 | 17,759 | 251,211 | 9,755 | 278,725 |
| 04H SRF L172849 | 07/01/09 | 7/1/23 - 1/1/24 | 393,715 | 3,143,728 | 128,301 | 3,665,744 |
| 01B SRF L172127 | 07/01/05 | 7/1/23 - 1/1/24 | 71,099 | 3,784,050 | 139,824 | 3,994,973 |
| 01C SRF L172128 | 06/16/06 | 7/1/23 - 1/1/24 | 144,355 | 3,249,933 | 123,109 | 3,517,397 |
| 04A SRF L172485 | 05/15/08 | 7/1/23 - 1/1/24 | 122,452 | 1,456,456 | 57,266 | 1,636,174 |
| 04B SRF L172488 | 05/28/08 | 7/1/23 - 1/1/24 | 143,048 | 1,701,424 | 66,898 | 1,911,370 |
| 04C SRF L172493 | 03/27/07 | 7/1/23 - 1/1/24 | 11,400 | 161,250 | 6,262 | 178,912 |
| 04D SRF L172494 | 01/31/07 | 7/1/23 - 1/1/24 | 10,932 | 154,635 | 6,005 | 171,572 |
| 04E SRF L172495 | 05/30/08 | 7/1/23 - 1/1/24 | 46,009 | 471,272 | 18,761 | 536,042 |
| 04F SRF L172496 | 04/23/11 | 7/1/23 - 1/1/24 | — | 198,734 | 7,208 | 205,942 |
| Refunding Bonds - Series: | | | | | | |
| 2007 Unlimited Tax Series B | 03/21/07 | 6/1/23 - 12/1/23 | \$ 4,821,863 | \$ — | \$ 174,886 | \$ 4,996,749 |
| 2007 Limited Tax Series C | 03/21/07 | 6/1/23 - 12/1/23 | 5,347,651 | — | 193,956 | 5,541,607 |
| 2016 Unlimited Tax Series A | 07/07/16 | 6/1/23 - 12/1/23 | 12,771,750 | 26,655,000 | 1,429,986 | 40,856,736 |
| 2016 Limited Tax Series B | 07/07/16 | 6/1/23 - 12/1/23 | 1,857,750 | 4,265,000 | 222,069 | 6,344,819 |
| 2021 Limited Tax Series C | 12/07/21 | 6/1/23 - 12/1/23 | 6,814,750 | 20,090,000 | 975,820 | 27,880,570 |
| 2021 Unlimited Tax Series D | 12/07/21 | 6/1/23 - 12/1/23 | 1,577,750 | — | 57,224 | 1,634,974 |
| 2021 Unlimited Taxable Series E | 12/07/21 | 6/1/23 - 12/1/23 | 2,632,096 | — | 95,465 | 2,727,561 |
| 2021 Alternate Revenue Unlimited Taxable Series F | 12/07/21 | 6/1/23 - 12/1/23 | 1,114,996 | 920,000 | 73,808 | 2,108,804 |
| TOTAL | | | \$ 101,439,749 | \$ 138,353,817 | \$ 8,697,178 | \$ 248,490,744 |

(A) Reserve at 3.5%

ORDINANCE NUMBER O22-012

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR BEGINNING
 JANUARY 1, 2023 AND ENDING DECEMBER 31, 2023
 UPON ALL TAXABLE PROPERTY WITHIN THE TERRITORIAL LIMITS OF
 THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
 AS SAID TERRITORIAL LIMITS EXIST ON JANUARY 1, 2023
 FOR THE PURPOSE OF PROVIDING REVENUES
 FOR THE RESERVE CLAIM FUND**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. That there is hereby levied the sum of \$7,500,000 upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2023, for the fiscal year ending December 31, 2023, for the purpose of providing revenues for establishing and maintaining a reserve fund for the payment of claims, awards, losses, judgments, liabilities, settlements, or demands, and associated attorney’s fees and costs that might be imposed on or incurred by such sanitary district in matters including, but not limited to, the Workers’ Compensation Act or the Workers’ Occupational Diseases Act, any claim in tort, any claim of deprivation of any constitutional or statutory right or protection, for all expenses, fees, and costs, both direct and in support of any property owned by such sanitary district which is damaged by fire, flood, explosion, vandalism or any other peril, natural or manmade.

Section 2. That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago be, and is hereby directed to certify to the County Clerk of Cook County, the amount above set forth to be raised by taxation in the year 2023 and to file a certified copy of the Ordinance with the said County Clerk of Cook County and said County Clerk of Cook County aforesaid, is hereby directed to cause the aforesaid amount of money to be extended upon and against the taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2023, all in accordance with the laws and statutes of the State of Illinois in such case made and provided, and the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby directed to cause this Ordinance to be published at least once in a newspaper published within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago and to incur the necessary expenses therefor.

Section 3. This Ordinance shall take effect January 1, 2023.

Approved as to Form and Legality:



General Counsel

Approved:



*President,
 Board of Commissioners of the
 Metropolitan Water Reclamation District
 of Greater Chicago*

ORDINANCE NUMBER O22-013

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR BEGINNING
 JANUARY 1, 2023 AND ENDING DECEMBER 31, 2023
 UPON ALL TAXABLE PROPERTY WITHIN THE TERRITORIAL LIMITS OF THE
 METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
 AS SAID TERRITORIAL LIMITS EXIST ON JANUARY 1, 2023
 FOR THE PURPOSE OF PROVIDING REVENUES
 FOR THE STORMWATER MANAGEMENT FUND**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. That there be and is hereby levied upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2023, for the fiscal year ending December 31, 2023, to provide revenue for the development, design, planning, construction, operation, and maintenance of regional and local stormwater facilities provided for in the countywide stormwater management plan and the acquisition of real property in furtherance of its regional and local stormwater management activities, and for payment of principal and interest on bonds issued for stormwater projects as authorized under the District’s Act, “the sum of \$52,500,000 which includes the sum of \$1,837,500 as a reserve for loss in collection of taxes”.

Section 2. That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago be, and is hereby directed to certify to the County Clerk of Cook County, the amount above set forth to be raised by taxation in the year 2023, and to file a certified copy of the Ordinance with the said County Clerk of Cook County, and said County Clerk of Cook County aforesaid, is hereby directed to cause the aforesaid amount of money to be extended upon and against the taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2023, all in accordance with the laws and statutes of the State of Illinois in such case made and provided, and the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby directed to cause this Ordinance to be published at least once in a newspaper published within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago and to incur the necessary expenses therefor.

Section 3. This Ordinance shall take effect January 1, 2023.

Approved as to Form and Legality:



General Counsel

Approved:



*President,
 Board of Commissioners of the
 Metropolitan Water Reclamation District
 of Greater Chicago*

NOTE PAGE

SECTION IX

APPENDIX

This section explains the structure of the District's compensation plan and financial and technical terminology contained in the District's Budget. It also details the various awards the District has received for its accomplishments over the last five years.

| | |
|---|-----|
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COMPENSATION PLAN NARRATIVE

In accordance with Illinois State Statute, Chapter 70, Section 2605/4.2, a Department of Human Resources for the District was created, the executive officer of which is the Director of Human Resources. The Director shall, with the consent and approval of the Civil Service Board of the District, classify all non-exempt and non-represented positions in the District for the purpose of establishing pay grades.

For the purpose of establishing uniformity of pay and title for positions, the Director prescribes the minimum and maximum pay for each grade and title.

While maintaining internal balance as established by the relative evaluation of classes, the compensation for non-represented and non-exempt positions shall be at least equal to the median compensation provided by other employers for similar work in the Metropolitan Chicago labor market or other appropriate labor market. Compensation for non-represented positions is defined in the Salary Schedule for Technical, Administrative, and Managerial (HP) Employees.

Salary advancement within salary ranges for non-represented positions and certain exempt positions is provided to recognize growth in the job, and the rate of advance shall be based primarily upon the quality of performance. Salary advancement stages are defined as "steps" within the salary schedules for each grade of position.

Employees in positions covered by collective bargaining agreements shall be compensated on the basis of negotiations between unions representing such employees and the management of the District. The rates paid to all such employees shall be adjusted in accordance with changes caused by the duly prescribed negotiations, provided that any change in rates may be made applicable at the beginning of the next budget year following the date of change in the rate, in the event necessary funds are not available. Compensation for these positions is defined in the Salary Schedule for Labor Trades (LT) Employees.

Compensation for exempt positions is established by the Board of Commissioners, with the exception of their own compensation, which is established by Illinois Compiled Statutes. Compensation for exempt positions is defined in the Salary Schedule for Exempt (EX) Employees.

SALARY SCHEDULES (bi-weekly rates)

Exempt (EX)

| | | | | | |
|------|--------------------------|------|-------------|------|-------------|
| EX01 | \$2,884.62 | EX09 | \$576.92 | EX17 | \$10,382.04 |
| EX02 | \$2,692.31 | EX10 | \$10,382.04 | EX18 | \$6,164.37 |
| EX03 | \$7,874.35 | EX11 | \$11,679.81 | EX19 | \$10,382.04 |
| EX04 | \$2,872.81 to \$4,471.62 | EX12 | \$11,679.81 | EX20 | None |
| EX05 | \$10,382.04 | EX13 | \$10,382.04 | EX21 | \$2,884.62 |
| EX06 | \$2,872.81 to \$4,471.62 | EX14 | \$11,679.81 | EX22 | \$3,076.92 |
| EX07 | \$12,977.61 | EX15 | \$11,679.81 | EX23 | None |
| EX08 | \$10,382.04 | EX16 | \$673.08 | EX24 | None |

Technical, Administrative, and Managerial (HP)

| | | | | | |
|------|--------------------------|------|--------------------------|------|---------------------------|
| HP07 | \$1,492.62 to \$2,173.89 | HP14 | \$3,088.96 to \$4,788.66 | HP21 | \$6,214.70 to \$9,324.86 |
| HP08 | \$1,624.51 to \$2,393.35 | HP15 | \$3,390.32 to \$5,164.72 | HP22 | \$6,860.05 to \$10,188.14 |
| HP09 | \$1,782.68 to \$2,656.83 | HP16 | \$3,762.55 to \$5,629.23 | HP23 | \$7,627.71 to \$11,095.80 |
| HP10 | \$1,993.67 to \$3,008.09 | HP17 | \$4,199.81 to \$6,174.88 | | |
| HP11 | \$2,239.88 to \$3,417.87 | HP18 | \$4,713.96 to \$6,816.34 | TM01 | \$1,440.00 |
| HP12 | \$2,538.78 to \$3,915.50 | HP19 | \$5,352.12 to \$7,612.63 | TM02 | \$1,400.00 |
| HP13 | \$2,872.81 to \$4,471.62 | HP20 | \$5,667.79 to \$8,593.25 | | |

Labor Trades (LT)

| | | | | | | | | | |
|--------|------------|--------|------------|--------|------------|--------|------------|--------|--------------------------|
| NR1541 | \$3,569.30 | NR6275 | \$5,344.00 | PR5153 | \$4,160.80 | PR5975 | \$4,624.80 | PR7579 | \$4,654.40 |
| NR1835 | \$3,204.00 | NR6441 | \$3,856.00 | PR5155 | \$4,320.80 | PR5989 | \$4,744.80 | PR7743 | \$4,224.00 |
| NR1853 | \$3,616.80 | NR6810 | \$3,780.80 | PR5159 | \$4,360.80 | PR6453 | \$4,408.00 | PR7773 | \$4,240.00 |
| NR1857 | \$3,856.00 | NR6831 | \$4,438.40 | PR5353 | \$3,984.80 | PR6459 | \$4,728.00 | PR7775 | \$4,480.00 |
| NR2483 | \$3,616.80 | NR6832 | \$4,598.40 | PR5553 | \$4,024.00 | PR6473 | \$3,248.00 | PR7779 | \$4,640.00 |
| NR3641 | \$2,592.00 | NR7393 | \$4,849.60 | PR5555 | \$4,275.20 | PR6479 | \$3,568.00 | | |
| NR3642 | \$2,835.20 | NR7394 | \$5,769.60 | PR5753 | \$4,384.00 | PR7343 | \$4,164.00 | NR1027 | \$1,540.00 to \$1,840.00 |
| NR5369 | \$3,636.00 | NR7399 | \$3,929.60 | PR5755 | \$4,648.00 | PR7347 | \$4,696.80 | PR1025 | \$2,340.00 to \$3,828.80 |
| NR6210 | \$3,979.20 | NR8331 | \$3,856.00 | PR5759 | \$4,736.00 | PR7349 | \$4,455.20 | TR3509 | \$2,316.71 |
| NR6232 | \$4,177.60 | NR8650 | \$3,616.80 | PR5933 | \$4,265.60 | PR7423 | \$4,660.00 | | |
| NR6233 | \$4,387.20 | NR8651 | \$3,444.00 | PR5935 | \$4,545.60 | PR7424 | \$5,112.80 | | |
| NR6251 | \$5,089.60 | NR8652 | \$2,401.60 | PR5953 | \$3,928.00 | PR7425 | \$5,442.40 | | |
| NR6271 | \$5,123.20 | NR8660 | \$2,420.80 | PR5955 | \$4,281.60 | PR7573 | \$4,254.40 | | |
| NR6272 | \$4,849.60 | NR8661 | \$2,662.40 | PR5973 | \$4,464.80 | PR7575 | \$4,574.40 | | |

The Position Analysis for each Department shows the Pay Plan and Grade for each budgeted position. The Salary Schedules above display the salary ranges associated with each Pay Plan and Grade. For example, in Section 681 of the General Division of the Maintenance & Operations Department, the Principal Mechanical Engineer position is associated with the HP (Technical, Administrative, and Managerial) Pay Plan at Grade 18. By looking up HP18 in the second table above, the salary range for this or any other title at that Pay Plan and Grade is \$4,713.96 to \$6,816.34 bi-weekly. By multiplying those rates by 26, it can be determined that the annual salary range for such positions is \$122,562.96 to \$177,224.84. For the HP and some EX Pay Plans, the actual salary earned in a position is dependent on the "step" of the incumbent occupying the position. Where applicable, there are nine steps in each Pay Plan and Grade. The step level of an incumbent is determined by a combination of the incumbent's longevity in the title and at the District. Incumbents with the greatest longevity factors will be at the highest steps, assuming satisfactory job performance.

USER CHARGE RATES

| Year | Large Commercial/Industrial Users | | | | Tax-Exempt Users | | | | Revenues in \$ millions |
|------|-----------------------------------|-----------------------------------|---------------------|-------------|--------------------------|-----------------------------------|---------------------|---------|-------------------------|
| | Flow per million gallons | BOD ₅ per 1,000 pounds | SS per 1,000 pounds | OM&R Factor | Flow per million gallons | BOD ₅ per 1,000 pounds | SS per 1,000 pounds | | |
| 2023 | \$ 282.47 | \$ 184.33 | \$ 124.16 | 40.1 % | \$ 282.47 | \$ 184.33 | \$ 124.16 | \$ 37.0 | |
| 2022 | 277.48 | 181.07 | 123.05 | 34.1 % | 277.48 | 181.07 | 123.05 | 38.0 | |
| 2021 | 278.81 | 202.93 | 117.81 | 35.4 % | 278.81 | 202.93 | 117.81 | 41.2 | |
| 2020 | 273.88 | 209.94 | 124.16 | 31.9 % | 273.88 | 209.94 | 124.16 | 45.9 | |
| 2019 | 269.04 | 216.64 | 130.38 | 32.8 % | 269.04 | 216.64 | 130.38 | 51.8 | |
| 2018 | 264.28 | 223.03 | 136.48 | 30.1 % | 264.28 | 223.03 | 136.48 | 41.3 | |
| 2017 | 259.61 | 229.13 | 142.47 | 33.9 % | 259.61 | 229.13 | 142.47 | 53.3 | |
| 2016 | 255.02 | 234.95 | 148.33 | 34.4 % | 255.02 | 234.95 | 148.33 | 44.5 | |
| 2015 | 250.51 | 240.49 | 154.08 | 39.1 % | 250.51 | 240.49 | 154.08 | 48.5 | |
| 2014 | 246.08 | 245.75 | 159.72 | 43.5 % | 246.08 | 245.75 | 159.72 | 45.0 | |
| 2013 | 241.73 | 250.76 | 165.25 | 42.4 % | 245.18 | 254.34 | 167.60 | 53.8 | |
| 2012 | 256.48 | 259.22 | 195.95 | 48.6 % | 263.48 | 266.27 | 201.24 | 77.6 | |
| 2011 | 243.99 | 247.48 | 191.18 | 47.3 % | 250.31 | 253.89 | 199.21 | 48.3 | |
| 2010 | 262.44 | 270.68 | 200.33 | 55.7 % | 269.25 | 277.70 | 205.33 | 48.7 | |

BOD₅ Biochemical Oxygen Demand based on standard five-day test

SS Suspended Solids

OM&R Portion of real estate taxes credited to users for the District's Operations, Maintenance, and Replacement costs

User charges are calculated based on sewer discharge volumes and representative sampling of the discharge for concentrations of BOD₅ and suspended solids. Loadings in thousands of pounds annually are extrapolated from the volume and concentration measurements, with the rates listed above applied. Users are given a credit for real estate taxes paid to the District multiplied by the OM&R factor. Users owing more than \$12,000 annually pay quarterly estimates.

PROPERTY TAX LEVIES AND COLLECTIONS

(in thousands of dollars)

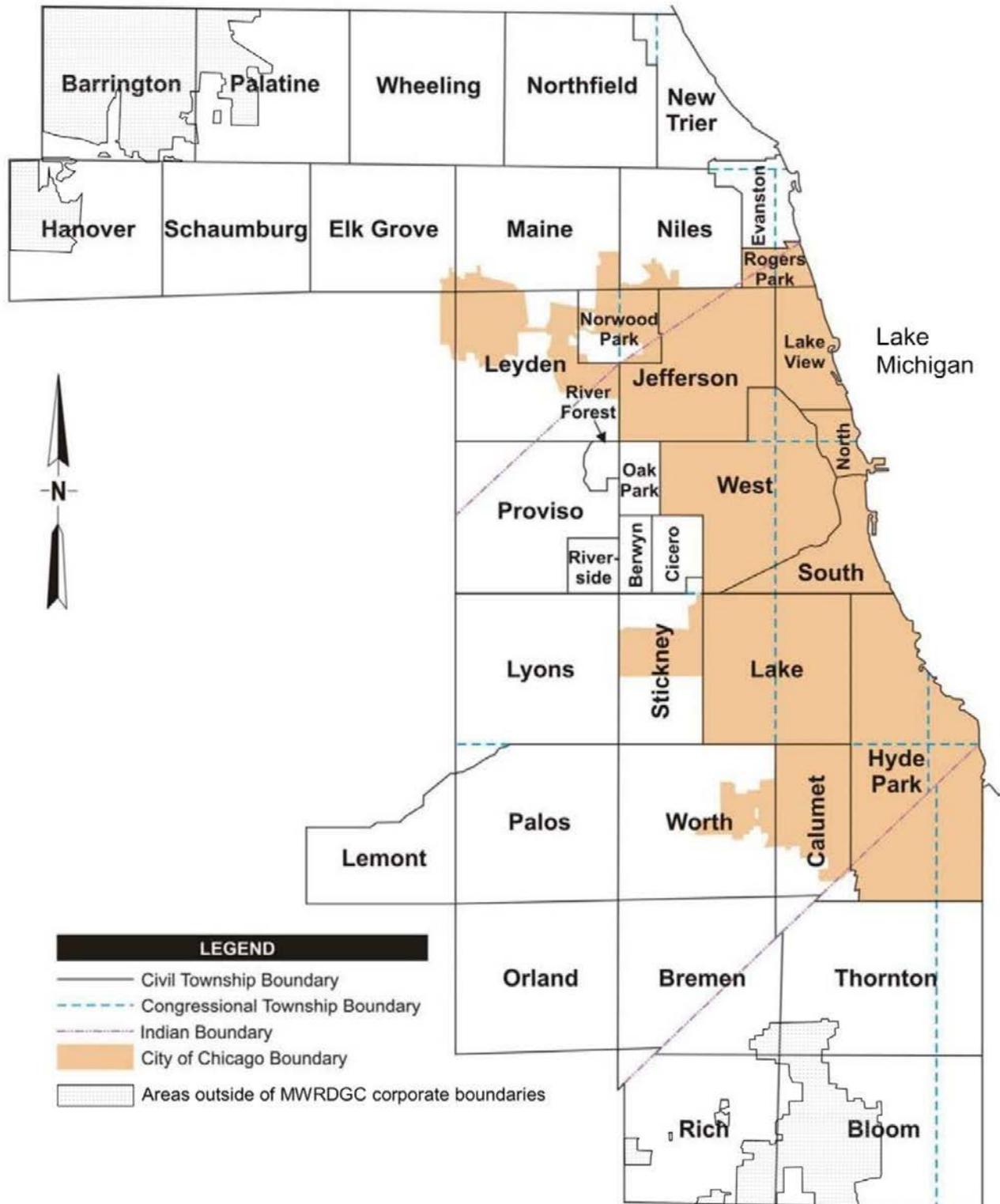
| Fiscal Year Ended Dec. 31 | Taxes Levied for the Fiscal Year | Collected within the First Year | | |
|---------------------------|----------------------------------|---------------------------------|--------------------|----------------|
| | | Amount | Percentage of Levy | Final Due Date |
| 2021 | \$ 658,492 | \$ — | — | * |
| 2020 | 645,998 | 623,876 | 97.0 | 10/1/2021 |
| 2019 | 637,188 | 619,659 | 97.2 | 8/1/2020 |
| 2018 | 616,946 | 604,126 | 97.9 | 8/1/2019 |
| 2017 | 593,135 | 581,007 | 98.0 | 8/1/2018 |
| 2016 | 571,454 | 559,938 | 98.0 | 8/1/2017 |
| 2015 | 555,098 | 541,008 | 97.5 | 8/1/2016 |
| 2014 | 540,666 | 523,203 | 96.8 | 8/1/2015 |
| 2013 | 514,659 | 497,452 | 96.7 | 8/1/2014 |
| 2012 | 493,573 | 476,881 | 96.6 | 8/1/2013 |

*final due date for 2021 tax levies is not available

NOTE: The source for Property Tax Levies and Collection is the Annual Comprehensive Financial Report of the Metropolitan Water Reclamation District of Greater Chicago for the Year Ended December 31, 2021.

PROPERTY TAX BASE

The Metropolitan Water Reclamation District of Greater Chicago receives the majority of its income from local real estate taxes. Taxes are collected by the Cook County Treasurer based on property values established by the Cook County Assessor. North, South and City of Chicago townships are reassessed on a three-year rotation.



The underlying county township map is derived from the Illinois Secretary of State Archives:
<https://www.ilsos.gov/departments/archives/IRAD/cook.html>

PROPERTY TAX BASE

MWRDGC Equalized Assessed Valuation by Township 2016 - 2021 (in \$ millions)

| Township | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | Average Annual Change |
|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------|
| Suburban | | | | | | | |
| Barrington | \$ 319 | \$ 328 | \$ 320 | \$ 360 | \$ 365 | \$ 498 | 8.09% |
| Berwyn | 600 | 735 | 707 | 690 | 866 | 797 | 6.18% |
| Bloom | 456 | 490 | 483 | 477 | 525 | 482 | 1.72% |
| Bremen | 1,480 | 1,648 | 1,617 | 1,608 | 1,854 | 1,693 | 3.23% |
| Calumet | 179 | 199 | 189 | 199 | 221 | 198 | 2.30% |
| Cicero | 554 | 647 | 629 | 626 | 840 | 774 | 7.20% |
| Elk Grove | 3,516 | 3,559 | 3,521 | 4,247 | 4,362 | 4,056 | 4.96% |
| Evanston | 2,670 | 2,740 | 2,721 | 3,432 | 3,462 | 3,221 | 7.26% |
| Hanover | 1,608 | 1,615 | 1,575 | 1,810 | 1,804 | 1,663 | 3.56% |
| Lemont | 755 | 914 | 892 | 899 | 1,021 | 943 | 5.26% |
| Leyden | 2,753 | 2,794 | 2,727 | 3,287 | 3,541 | 3,261 | 5.62% |
| Lyons | 3,523 | 4,267 | 4,124 | 4,132 | 4,815 | 4,440 | 5.19% |
| Maine | 4,308 | 4,383 | 4,281 | 5,040 | 4,996 | 4,701 | 4.65% |
| New Trier | 4,987 | 5,097 | 4,921 | 5,220 | 5,209 | 4,813 | 3.23% |
| Niles | 4,461 | 4,542 | 4,456 | 5,059 | 5,259 | 4,889 | 4.54% |
| Northfield | 5,531 | 5,716 | 5,585 | 6,375 | 6,344 | 6,385 | 5.82% |
| Norwood Park | 839 | 852 | 839 | 1,031 | 1,016 | 935 | 4.81% |
| Oak Park | 1,387 | 1,656 | 1,592 | 1,692 | 2,029 | 1,870 | 6.31% |
| Orland | 2,890 | 3,310 | 3,221 | 3,213 | 3,567 | 3,266 | 3.19% |
| Palatine | 2,977 | 2,987 | 2,913 | 3,302 | 3,316 | 3,069 | 3.44% |
| Palos | 1,350 | 1,577 | 1,509 | 1,495 | 1,673 | 1,529 | 3.25% |
| Proviso | 2,679 | 3,150 | 3,065 | 3,063 | 3,728 | 3,432 | 5.45% |
| Rich | 1,007 | 1,098 | 1,073 | 1,044 | 1,211 | 1,114 | 2.79% |
| River Forest | 486 | 586 | 565 | 557 | 640 | 594 | 4.45% |
| Riverside | 495 | 575 | 555 | 546 | 613 | 560 | 3.19% |
| Schaumburg | 4,497 | 4,549 | 4,449 | 5,168 | 5,248 | 4,863 | 4.15% |
| Stickney | 956 | 1,102 | 1,073 | 1,078 | 1,338 | 1,226 | 5.57% |
| Thornton | 1,699 | 1,770 | 1,715 | 1,712 | 2,014 | 1,800 | 1.80% |
| Wheeling | 4,894 | 4,952 | 4,906 | 5,622 | 5,714 | 5,276 | 4.45% |
| Worth | 2,880 | 3,341 | 3,239 | 3,255 | 3,785 | 3,473 | 4.36% |
| City of Chicago | | | | | | | |
| Hyde Park | 4,077 | 4,143 | 4,280 | 4,325 | 4,481 | 4,568 | 2.72% |
| Jefferson | 11,735 | 11,960 | 13,439 | 13,404 | 13,528 | 15,138 | 5.10% |
| Lake | 6,970 | 6,978 | 7,309 | 7,310 | 7,410 | 7,933 | 2.93% |
| Lake View | 9,782 | 10,020 | 11,077 | 11,125 | 11,347 | 11,974 | 3.95% |
| North Chicago | 14,839 | 15,718 | 18,174 | 18,619 | 18,659 | 19,435 | 5.48% |
| Rogers Park | 1,433 | 1,449 | 1,624 | 1,626 | 1,657 | 1,997 | 6.65% |
| South Chicago | 15,297 | 16,119 | 18,201 | 18,761 | 19,375 | 20,639 | 6.04% |
| West Chicago | 9,883 | 10,380 | 12,222 | 12,646 | 13,060 | 15,230 | 8.50% |
| Total EAV | 140,752 | 147,946 | 155,788 | 164,055 | 170,893 | 172,735 | 4.83% |

Shaded figures indicate assessed values following triennial reassessments.

AWARDS AND ACHIEVEMENTS RECOGNITION FOR THE FIVE-YEAR PERIOD, 2022-2018

| | | |
|---|-----------|---|
| Algae Biomass Organization | 2020 | <i>Innovation Collaboration of the Year Award</i> |
| American Council of Engineering Companies of Illinois | 2018 | <i>Engineering Excellence Merit Award for the Mayfair Reservoir Expansion Project</i> |
| American Public Works Association | 2018 | <i>Chicago Metro Chapter Suburban Branch: Public Works Project of the Year Award for the Niles Flood Relief Project</i> |
| American Society of Civil Engineers - Illinois Section | 2022 | <i>Sustainability in Civil Engineering Achievement Award for the Buffalo Creek Reservoir Expansion Project</i> |
| | 2018 | <i>Outstanding Civil Engineering Achievement Award, Over \$100 Million Category, for the McCook Reservoir</i> |
| American Society of Landscape Architects - Illinois Chapter | 2018 | <i>Merit Award for Planning and Analysis for the Robbins Park Project</i> |
| Chicago Metropolitan Agency For Planning (CMAP) | 2021 | <i>CMAP Regional Excellence Award in the category of Regional Resilience: Buffalo Creek Reservoir</i> |
| Environmental Systems Research Institute | 2019 | <i>Special Achievement in Geographic Information System (SAG) Award</i> |
| Friends of the Chicago River | 2022 | <i>Chicago River Blue Award for work on the Natalie Creek Flood Control Project</i> |
| | 2019 | <i>Silver Ribbon Award with Army Corps of Engineers and Chicago Park District for North Branch Dam Removal Project</i> |
| Funders Network | 2020 | <i>Partners for Places Award for Space To Grow: Greening Chicago Schoolyards</i> |
| Government Finance Officers Association of the United States and Canada | 2022-2018 | <i>Budget document recognized for Distinguished Budget Presentation</i> |
| | 2021-2018 | <i>Certificate of Achievement for Excellence in Financial Reporting for the MWRD Retiree Health Care Trust - Annual Comprehensive Financial Report for Fiscal Years 2018 through 2021</i> |
| | 2021-2018 | <i>Certificate of Achievement for Excellence in Financial Reporting - Annual Comprehensive Financial Report for Fiscal Years 2018 through 2021</i> |
| | 2021-2018 | <i>Certificate of Achievement for Excellence in Financial Reporting for the MWRD Retirement Fund - Annual Comprehensive Financial Report for Fiscal Years 2018 through 2021</i> |
| Illinois Association for Floodplain and Stormwater Management | 2021 | <i>Stormwater Management Award</i> |
| | 2018 | <i>Legislative Award for the Watershed Management Ordinance</i> |
| Illinois Employer Support of the Guard and Reserve | 2021 | <i>Nomination for the Secretary of Defense Freedom Award</i> |
| Illinois Water Environment Association | 2022 | <i>Kari K. Steele, President, is the recipient of the Public Official of the Year award. The Public Official of the Year award is presented to an elected or appointed public official that has made a documented significant contribution in the areas of clean water legislation, public policy, government service, or another area of public prominence that resulted in improvements to the water environment</i> |
| | 2019 | <i>Best Presentation Award: A Reduction in Pharmaceutical and Personal Care Products in Class A Biosolids by Open Composting</i> |
| Lake County Stormwater Management Commission | 2019 | <i>Best Management Practice Project of the Year for the Buffalo Creek Reservoir Expansion Project</i> |
| Lesbian, Gay, Bisexual, and/or Transgender Chamber of Commerce | 2021 | <i>Supplier Diversity Advocate of the Year</i> |
| Local Initiatives Support Corporation Chicago | 2018 | <i>Neighborhood Development Award, in the category of: BlueCross BlueShield of Illinois Healthy Community, for the Space To Grow Partnership</i> |
| Metropolitan Planning Council | 2018 | <i>Burnham Award for Excellence in Planning for the Space to Grow Partnership</i> |
| National Association of Clean Water Agencies (NACWA), formerly known as Association of Metropolitan Sewerage Agencies | 2022 | <i>National Environmental Achievement Award for Public Information and Education Video for "Where Does IT Go?" animation</i> |
| | 2021 | <i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 30 consecutive years of full compliance for Calumet Water Reclamation Plant; Platinum Award for 25 consecutive years of full compliance for Lemont Water Reclamation Plant; Platinum Award for 17 consecutive years of full compliance for James C. Kirie Water Reclamation Plant; Platinum Award for 16 consecutive years of full compliance for Terrence J. O'Brien Water Reclamation Plant; Platinum Award for 14 consecutive years of full compliance for Hanover Park Water Reclamation Plant; and Platinum Award for eight consecutive years of full compliance for John E. Egan Water Reclamation Plant</i> |
| | | <i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Gold Award for Stickney Reclamation Plant</i> |

AWARDS AND ACHIEVEMENTS RECOGNITION FOR THE FIVE-YEAR PERIOD, 2022-2018

| | | |
|---|-----------|---|
| National Association of Clean Water Agencies (NACWA), formerly known as Association of Metropolitan Sewerage Agencies (continued) | 2020 | <i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 29 consecutive years of full compliance for Calumet Water Reclamation Plant; Platinum Award for 24 consecutive years of full compliance for Lemont Water Reclamation Plant; Platinum Award for 16 consecutive years of full compliance for James C. Kirie Water Reclamation Plant; Platinum Award for 15 consecutive years of full compliance for Terrence J. O'Brien Water Reclamation Plant; Platinum Award for 13 consecutive years of full compliance for Hanover Park Water Reclamation Plant; and Platinum Award for seven consecutive years of full compliance for John E. Egan Water Reclamation Plant</i> |
| | | <i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Gold Award for Stickney Reclamation Plant</i> |
| | 2019 | <i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 28 consecutive years of full compliance for Calumet Water Reclamation Plant; Platinum Award for 23 consecutive years of full compliance for Lemont Water Reclamation Plant; Platinum Award for 15 consecutive years of full compliance for James C. Kirie Water Reclamation Plant; Platinum Award for 14 consecutive years of full compliance for Terrence J. O'Brien Water Reclamation Plant; Platinum Award for 12 consecutive years of full compliance for Hanover Park Water Reclamation Plant; and Platinum Award for six consecutive years of full compliance for John E. Egan Water Reclamation Plant</i> |
| | | <i>National Environmental Achievement Award (NEAA) in the Operations & Environmental Performance Category</i> |
| | 2018 | <i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 27 consecutive years of full compliance for Calumet Water Reclamation Plant; Platinum Award for 22 consecutive years of full compliance for Lemont Water Reclamation Plant; Platinum Award for 14 consecutive years of full compliance for James C. Kirie Water Reclamation Plant; Platinum Award for 13 consecutive years of full compliance for Terrence J. O'Brien Water Reclamation Plant; Platinum Award for 11 consecutive years of full compliance for Hanover Park Water Reclamation Plant; and Platinum Award for five consecutive years of full compliance for John E. Egan Water Reclamation Plant</i> |
| | | <i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Silver Award for Stickney Water Reclamation Plant</i> |
| National Biosolids Partnership (Water Environment Federation and National Association of Clean Water Agencies) | 2018 | <i>Ten-Year Platinum Award for the Dedication to Environmentally Sound Biosolids Management Practices</i> |
| National Institute of Governmental Purchasing | 2024-2018 | <i>Outstanding Agency Accreditation Achievement Award (accreditation certification is valid for five years from the day of award)</i> |
| Peoples Gas | 2022 | <i>Energy Efficiency Award for the heat exchanger installation and boiler removal project at the Calumet Water Reclamation Plant</i> |
| United States Minority Contractor Association | 2019 | <i>Legacy Award for Excellence in Diversity and Inclusion</i> |
| United States Patent and Trademark Office | 2020 | <i>Patent for Production of Carbon-Based Compounds from Cellulosic Feedstock Fermentation; Application Number 62/965,592</i> |
| Water Environment Federation | 2020 | <i>Utility of the Future Today Recognition</i> |
| | | <i>Public Communication & Outreach Program Award</i> |
| | | <i>Ralph Fuhrman Medal for Outstanding Water Quality Academic-Practice Collaboration</i> |
| | 2018 | <i>Project Excellence Award for the McCook Reservoir</i> |
| Water Research Foundation | 2022 | <i>Outstanding Subscriber Award for Applied Research</i> |

FINANCIAL GLOSSARY

Abatement: A complete or partial cancellation of tax levy imposed by a government.

Accrual Basis of Accounting: The basis of accounting under which transactions are recognized when they occur, regardless of the timing of cash receipts and disbursements.

Accrued: The accumulation of a receivable or payable during a given period even though no explicit transaction occurs within that period.

Activities: The major programs and projects performed by an organizational unit.

Ad Valorem Tax: A tax levied in proportion to the value of the property against which it is levied (also known as property tax).

Appropriation: An amount of money in the budget, authorized by the Board of Commissioners, for expenditure or obligation within organizational units for specific purposes. The Corporate Fund appropriates money for operating and general purposes. The Capital Improvements Bond Fund appropriates money for major improvements, plant expansion, sewers, etc.

Assessed Valuation: The value of all taxable property within the boundaries of the District as a basis for levying taxes (i.e., the property's value). See Tax Base.

Assets: Resources owned or held by the District which have monetary value.

Balance Sheet: A statement showing the financial position at a given time, disclosing assets, liabilities and fund balances.

Balanced Budget: Budgeted resources are equal to budgeted requirements.

Bond: A written promise to pay a specified sum of money (called the principal) at a specified date in the future, together with periodic interest at a specified rate. In the budget document, these payments are identified as debt service.

Bond Redemption & Interest Fund (Debt Service Fund): Established to account for annual property tax levies and certain other revenues, primarily interest on investments, which are used for the payment of principal and interest of general obligation bond issues.

Budget: A balanced financial plan for a given period of time, which includes appropriations and tax levy ordinances for the various sources of revenue which finance the various funds. The budget is not only a financial plan; it also serves as a policy guide, as an operations guide, and as a communications medium.

Capital Equipment: Fixed assets such as vehicles, marine equipment, computers, furniture, technical instruments etc., which have a life expectancy of more than one year and a value over \$5,000.

Capital Improvement Program: The aggregate compilation of those individual construction projects identified as necessary for new facilities, or to rehabilitate, replace, or expand existing District facilities for the District to continue to meet its statutory service mandates in keeping with existing regulatory requirements.

Capital Improvements Bond Fund: Established to account for the proceeds of bonds authorized by the Illinois General Assembly, government grants and certain other revenues, all to be used in connection with improvements, replacements and additions to the District's facilities.

Capital Outlay: Expenditures which result in the acquisition of, or addition to, fixed assets, including land, buildings, improvements, machinery, and equipment. Most equipment or machinery is included in the annual operating budget. Capital improvements such as the acquisition of land, construction, and engineering expenses are included in the Capital Budget.

Capital Projects Fund: Established to account for all resources, principally bond proceeds and construction grants, which are used for the acquisition or construction of capital facilities. Included in Capital Projects Funds are the Capital Improvements Bond Fund and the Construction Fund.

Capitalized: Capital outlays recorded as additions to the asset account, not as expenses.

Carryover (Net Assets Appropriable): The resource balance left after subtracting Current Liabilities and Designated Fund Balances from Current Assets.

Cash Basis of Accounting: Revenues are not recorded until cash is received, and expenditures are recorded only when cash is disbursed.

Cash Management: A conscious effort to manage cash flows in such a way that interest and penalties paid are minimized and interest earned is maximized. Funds received are deposited on the day of receipt and invested as soon as the funds are available. The District maximizes the return on all funds available for investment without sacrifice of safety or necessary liquidity.

Classification of Budgetary Code Accounts: A manual published annually which specifies the official code designations set forth in the annual budget for the purposes of accounting and expenditure control. Budgetary code listings for funds, organizations, locations, programs and line items are included.

Commitment Items: Expenditure classifications established to account for and budget for approved appropriations. Also referred to as Line Items.

Construction Fund: Established to account for an annual property tax levy and certain other revenues to be used in connection with improvements, replacements, and additions to the District's facilities.

FINANCIAL GLOSSARY (continued)

Construction Working Cash Fund: Established to make temporary loans (repayable from the tax levy of the applicable year) to the Construction Fund, thus reducing the need for issuing short-term debt and the resultant interest expense.

Consumer Price Index (CPI-U): A measure of the average change over time in the prices paid by urban consumers for a market basket of consumer goods and services.

Corporate Fund: Established to account for an annual property tax levy and certain other revenues which are to be used for the operations and payments of general expenditures of the District not specifically chargeable to other funds.

Corporate Working Cash Fund: Established to make temporary loans (repayable from the tax levy of the applicable year) to the Corporate Fund, thus reducing the need for issuing short-term debt and the resultant interest expense.

Crosshatch (#): The crosshatch mark (#) indicates a restriction on the filling of a vacated position.

Current Assets: Cash plus assets that are expected to be converted to cash, sold, or consumed during the next twelve months or as a part of the normal operating cycle.

Current Liabilities: Obligations that will become due within the next year or within the normal operating cycle, if longer than a year.

Debt Service Fund: See Bond Redemption & Interest Fund.

Debt Service Requirements: The amount of money required to pay interest and principal on outstanding debt.

Delinquent Taxes: Taxes remaining unpaid on and after the date to which a penalty for nonpayment is attached.

Depreciation: The allocation of the acquisition cost of plant, property, and equipment to the particular periods or products that benefit from the utilization of the asset in service.

Disbursements: Payments made on obligations.

Encumbrances: Obligations incurred in the form of orders, contracts and similar items that will become payable when goods are delivered or services rendered.

Equalization: After the County Assessor has established the assessed valuation for a given year, and following any revisions by the Board of (Tax) Appeals, the Illinois Department of Revenue is required by statute to review the assessed valuation. The Illinois Department of Revenue establishes an equalization factor, commonly called the “multiplier,” for each county to make all valuations uniform among the 102 counties in the state.

Equalized Assessed Valuation (EAV): Once the equalization factor (multiplier) is established, the assessed valuation, as revised by the Board of (Tax) Appeals, is multiplied by the equalization factor (multiplier) to determine the EAV.

Expenditure: An amount of money disbursed or obligated. Expenditures include current operating expenses requiring the present or future use of net current assets, debt service, and capital outlays. (see Accrual and Cash Basis of Accounting).

Fiduciary Funds: Established to account for transactions related to assets held in trust for a public purpose.

Fiscal Year: The timeframe to which the budget applies. The period for the District is from January 1 through December 31.

Fixed Assets: Long-term tangible assets that have a normal use expectancy of more than one year and do not lose their individual identity through use. Fixed assets include buildings, equipment, improvements other than buildings, and land.

Function: A group of related tasks, such as sewage treatment and collection, or the reduction of water pollution, which is aimed at accomplishing a major service or regulatory program for which a governmental unit is responsible.

Fund: An accounting entity established to account for sums of money or other resources, such as taxes, charges, fees, etc., to conduct specified operations and to attain certain objectives. Funds are frequently under specific limitations. For more information regarding specific funds, refer to the Financial Narrative in Section III, “Financial Statements by Fund.”

Fund Accounting: A governmental accounting system which is organized and operated on a fund basis.

Fund Balance: The cumulative difference of all revenues and all expenditures of the fund from the time the governmental entity was established. Fund balance is also considered to be the difference between fund assets and fund liabilities and is sometimes referred to as “fund equity.”

Generally Accepted Accounting Principles (GAAP): Uniform minimum standards of, and guidelines for, external financial accounting and reporting. They govern the form and content of the basic financial statements of an entity. GAAP encompasses the conventions, rules, and procedures necessary to define accepted accounting practices at a particular time. They include not only broad guidelines of general application, but also detailed practices and procedures. GAAP provides a standard by which to measure financial presentations. The primary authoritative statement on the application of GAAP to state and local governments is Government Accounting Standards Board (GASB) pronouncements.

General Obligation Bonds: Bonds, the payment for which the full faith and credit of the issuing government are pledged.

FINANCIAL GLOSSARY (continued)

Governmental Funds: Group of funds utilized to account for revenues and expenditures in compliance with the legal requirements and constraints of current statutes for governmental agencies.

Grant: A contribution by one governmental unit to another unit. The contribution is usually made to aid in the support of a specified function, such as sewer construction, pollution control, etc.

Home-Rule Unit: The principle or practice of self-government in the internal affairs of a dependent political unit. In Illinois, any municipality with a population of more than 25,000 is a home-rule unit unless it elects by referendum not to be a home-rule unit. Any other municipality may elect by referendum to become a home-rule unit.

Internal Control: Methods and procedures that are mainly concerned with the authorization of transactions, safeguarding of assets, and accuracy of the financial records.

Liabilities: Obligations incurred in past or current transactions requiring present or future settlement.

Limited Tax Bonds: A form of non-referendum bonding authority granted by Illinois Public Act 89-385 allowing the District to issue additional debt for projects initiated after October 1, 1991. Limited Tax Bonds can be issued to the extent that the total debt service requirements of any new debt, when combined with existing debt service, do not exceed the debt service extension base established by the Act.

Line Items: Expenditure classifications established to account for and budget for approved appropriations. Also referred to as Commitment Items.

Mid-Year Reviews: Twice during the fiscal year (in May and August), the current year budget is evaluated based on spending to date and current projections. The primary areas reviewed and analyzed are (1) current year budget versus previous year revenues and expenditures; (2) year-to-date expenditure and revenue status plus expenditure and revenue projections for the remainder of the year; and (3) data to support recommendations for budget transfers.

Modified Accrual Basis of Accounting: The basis of accounting under which revenues are recognized when measurable and available to pay liabilities, and expenditures are recognized when the liability is incurred except for interest on long-term debt which is recognized when due.

Multiplier: See Equalization.

Net Assets Appropriable: That resource balance left after subtracting Current Liabilities and Designated Fund Balances from Current Assets. Commonly referred to as carryover.

Net Present Value: A mathematical formula used to measure the expected return on investments by calculating how much money needs to be invested today to result in a certain sum at a future time.

Object Classification: A grouping of expenditures on the basis of goods or services purchased (e.g., personal services, materials and supplies, equipment, etc.), also referred to as Object of Expenditure.

Objectives: The annual organizational levels of achievement expected. A statement of purpose defined more specifically than a goal. (A goal can include several related objectives.) Objectives are listed in order of priority with their associated costs including estimates of salaries, equipment, supplies, etc.

Obligations: Amounts which a government may be legally required to meet out of its resources. They include not only actual liabilities, but also encumbrances not yet paid.

Ordinance: A bill, resolution, or order by means of which appropriations are given legal effect. It is the method by which the appropriation of the annual budget is enacted into law by the Board of Commissioners per authority of state statutes.

Other Postemployment Benefits (OPEB): Cost of retiree health insurance benefits recognized over the active service life of the employees rather than on a pay-as-you-go basis.

Performance: The measurable unit of types of work, related to District activities and, where meaningful, the costs of operation that are used to develop the costs for each unit of activity (e.g., dollars per one million gallons of sewage treated).

Personal Property Replacement Tax: Since July 1979, this income tax on corporations, partnerships, and invested capital of utilities replaces the personal property taxes previously levied.

Pollution Control Facilities: The State of Illinois directly assesses all pollution control facilities which have been certified by the Pollution Control Board. Pollution control facilities include any system, method, construction, device, or appliance appurtenant that is designed, constructed, installed, or operated for the primary purpose of eliminating, preventing, or reducing air and water pollution as defined in the Environmental Protection Act. This does not include any pollution control facility used for radioactive waste, nuclear generation of electrical energy, or for sewage disposal or treatment.

Programs: The essential activities performed by the District such as collection, treatment, flood and pollution control, etc., including specific and related sub-activities.

Property Tax Extension Limitation Laws: Illinois Public Act 89-0001 provides for limitations on real estate property tax levies. As applicable to the District, the 1994 tax levy, payable in 1995 is limited to a 5 percent increase from the 1993 levy. Future levies are limited to increases of the lesser of 5 percent or the percentage change in the national Consumer Price Index (CPI-U).

FINANCIAL GLOSSARY (continued)

Property Tax Rate: The amount of tax stated in terms of a unit of the tax base, expressed as dollars per \$100 of equalized assessed valuation.

Railroad Property: The State of Illinois directly assesses railroad property which includes all railroad “operating property.” Tracks and right-of-way, all structures, equipment, and all property connected with or used in the operation of the railroad along with real estate held for expansion. Non-operating railroad property is assessed by the County Assessor.

Real Property: Real estate, including land and improvements (buildings, fences, pavements, etc.), classified for purposes of assessment.

Refunding Bonds: Bonds issued to retire bonds already outstanding.

Reserve Claim Fund: Established for the payment of claims, awards, losses, judgments, or liabilities which might be imposed against the District, and for the emergency repair or replacement of damaged District property.

Resources: The actual assets of a governmental unit, such as cash, taxes receivable, land, buildings, etc., including estimated revenues applying to the current fiscal year, and bonds authorized and unissued.

Retirement Fund: Established to account for annual pension costs and supported in part by property taxes which are levied in accordance with statutory requirements.

Revenue: Income generated by taxes, notes, bonds, investment income, land rental, user charge, sludge, and scrap sales, as well as federal and state grants.

Sinking Fund: See Bond Redemption & Interest Fund.

Special District: A governmental entity established by the State of Illinois for a specific purpose or purposes. The District was originally organized under an act of the General Assembly of the State of Illinois in 1889.

State Revolving Fund (SRF): Under the Water Quality Act Amendment of 1987, federal authorization created State Revolving Funds administered by State agencies which provide loans from these funds to municipal agencies for their wastewater construction programs. These loans carry interest rates which are below general rates available in the municipal bond market. Therefore, pollution control facilities receive subsidies which can provide the approximate equivalent of a 25 to 30 percent grant.

Tax Base: The aggregate value of the items being taxed. The base of the District’s real property tax is the market value of all taxable real estate within the boundaries of the District. See assessed valuation.

Tax Cap: (Property Tax Extension Limitation Laws). Illinois Public Act 89-0001 provides for limitations on real estate property tax levies. As applicable to the District, the 1994 tax levy, payable in 1995 is limited to a 5 percent increase from the 1993 levy. Future levies are limited to increases of the lesser of 5 percent or the percentage change in the National Consumer Price Index (CPI-U).

Tax Levy: An amount of money raised through the collection of property taxes to finance each fund operation.

Tax Levy Ordinance: An ordinance through which taxes are levied. See ordinance.

Tax Rate: See Property Tax Rate.

Taxes: Mandatory charges levied by a governmental unit for the purpose of financing services performed for the common benefit.

User Charge System: In compliance with the 1977 Clean Water Act, the District is required to augment the ad valorem property tax system with a charge related to the actual use of waste treatment services. Users exceeding their ad valorem amount pay additional amounts for services received.

Working Cash Funds (Corporate, Construction, and Stormwater): Authorized by Illinois State Statutes to make temporary loans to the Corporate, Construction, and Stormwater Management Funds. Loans are repaid to the Working Cash Funds from the tax levies of the funds. The use of Working Cash Funds eliminates the need for the issuance of short-term financing.

GLOSSARY OF TECHNICAL TERMS

Biochemical Oxygen Demand (BOD): The quantity of oxygen used in the biochemical oxidation of organic matter in a specified time, at a specific temperature, and under specific conditions; the BOD analysis is a standard test used in assessing wastewater strength. See “Carbonaceous Biochemical Oxygen Demand.”

Biological Oxidation: The process whereby living organisms, in the presence of oxygen, convert the organic matter contained in wastewater into new cells and subsequently into more stable compounds.

Biosolids: The nutrient-rich organic materials resulting from the treatment of domestic sewage in a wastewater treatment facility. These organic materials are generated when solids (sewage sludge) generated during the treatment of domestic sewage are treated further to meet the 40 CFR (Code of Federal Regulations) Part 503 sewage sludge regulatory requirements for beneficial reuse.

Carbonaceous Biochemical Oxygen Demand (CBOD): The portion of BOD attributable to organic matter containing carbon; does not include nitrogenous oxygen demand.

Centrifuge: A mechanical device in which centrifugal force is used to separate solids from liquids and/or to separate liquids of different densities, e.g., a dewatering device.

Coarse and Fine Screens: A coarse screen is a bar screen with approximate 3” openings located at the point of incoming wastewater which is used to capture large objects and other debris; this device protects the sewage pumps. A fine screen is a bar screen with approximately 5/8” openings to collect and remove small debris via a traveling rake. The screening is conveyed to a scavenger disposal box.

Collection System: A system of underground conduits/sewers collecting wastewater from a source and conveying it to the treatment facility.

Combined Sewer: A sewer that transports wastewater and (in wet weather conditions) stormwater.

Design Capacity: The maximum rate of sewage flow which a treatment plant is capable of treating, on a long-term basis, to continuously attain required effluent quality.

Dewatering: Water removal or concentration of solids by filtration, centrifugation, or drying.

Digestion, Anaerobic: The biological decomposition of organic matter in the absence of oxygen, resulting in partial gasification, liquidation, and mineralization. The digester gas is collected, compressed, and used to fuel the plant boilers.

Drying Bed: Large areas on which solids are placed for dewatering by gravity, drainage, and evaporation.

Effluent: The resulting product of the wastewater treatment process which is also used for tank cleaning, grass watering, and conveyor belt cleaning.

Exceptional Quality (EQ): Exceptional Quality refers to biosolids or composted biosolids that meet the Class A pathogen standard, lowest metal concentration limits, and vector attraction reduction requirement specified in 40 CFR Part 503. Biosolids meeting the EQ criteria can be beneficially used without any restrictions.

503 Regulations: The United States Environmental Protection Agency issued on February 19, 1993, comprehensive federal sewage sludge use and disposal regulations which are organized in five parts: general provisions, land application, surface disposal, pathogens and vector attraction reduction, and incineration. Parts addressing standards for land application, surface disposal, and incineration practices consist of sections covering applicability and special requirements, management practices, frequency of monitoring, recordkeeping, and reporting requirements.

Industrial User (IU): A person who conducts any industrial, manufacturing, agricultural, trade, or business process or who conducts the development, recovery, or processing of natural resources.

Industrial Waste: All solid, liquid, or gaseous waste resulting from an industrial user.

Infrastructure: Assets that are long-lived capital assets that normally are stationary in nature and normally can be preserved for a significantly greater number of years than most capital assets. Examples from our infrastructure holdings include: wastewater tankage, LASMA Drying sites, SEPA stations, the Deep Tunnel, and sewerage interceptors.

Interceptor: A larger sewer which “intercepts” the wastewater from smaller and/or local sewers.

Interceptor Inspection and Rehabilitation Program (IIRP): The inspection and repair of District sewers and interceptors.

Lagoon, Solids: An earthen basin which is used for the storage, continued stabilization, and dewatering of solids.

Lysimeter: A device used for collecting water from the pore spaces of soils and for determining the chemical composition of the water that percolates through a certain depth of soil.

Maintenance Management System (MMS): A District-wide computerized system to assist management in maintaining the District’s infrastructure.

National Pollutant Discharge Elimination System (NPDES): The permit and regulation system governing direct discharges into navigable waters administered by the IEPA and USEPA.

Odor Control Program: The systematic modifying or altering of certain processes to minimize obnoxious odors. Ferric chloride, ozonation (conversion of oxygen into ozone), and deodorants are some of the various methods used in combating odors.

GLOSSARY OF TECHNICAL TERMS (continued)

Phycoremediation: The process of using algae (macro-algae or micro-algae) for the removal of pollutants, like nutrients (nitrogen and phosphorus), from the wastewater and carbon dioxide (CO₂) from waste air.

Pretreatment (Industrial): Any method, construction, device, arrangement, or appliance installed for the purpose of treating, neutralizing, stabilizing, disinfecting, or disposing of sewage, industrial waste, or other wastes prior to entry into the District's sewerage system.

Pretreatment Program: The District's efforts to identify, monitor and control by enforcement, the discharge of industrial waste from industrial sources into the District's sewerage system, in conformance with federal regulations promulgated pursuant to the Clean Water Act.

Primary Treatment: The District uses a series of large screens to remove large debris from the wastewater which can clog the machinery. Heavy solids like sand and grit are then removed in the grit chamber. Any remaining heavy solids settle to the bottom of the primary settling tanks.

Reservoirs, Storm: Temporary storage areas for containing surface waters during extreme storm conditions.

Secondary Treatment Process: The wastewater flows to aeration tanks which have been seeded with bacteria. Filtered air is pumped through the liquid to provide oxygen for the bacteria. The bacteria consume organic materials in the wastewater, grow and multiply. The mixture of bacteria and water then flow into a secondary settling tank. The bacteria clump together and become heavy "flocs" which settle to the bottom of the tank and are removed. At this point, the water can be discharged to a nearby waterway after disinfection, with over 90 percent of its contaminants removed.

Set Point: The desired or target value for an essential variable of a system.

Sewage: Water-carried human wastes or a combination of water-carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground, surface, storm, or other waters as may be present.

Sewage and Waste Control Ordinance: An ordinance to provide for the abatement and prevention of pollution by regulating and controlling the quantity and quality of sewage and industrial waste admitted to or discharged into the sewerage systems, sewage treatment facilities, and waterways under the jurisdiction of the District. This ordinance was originally adopted by the District's Board of Commissioners in 1969 and continues to be amended as necessary.

Sewerage System: Sewers, intercepting sewers, pipes, or conduits, pumping stations, force mains, constructed drainage ditches, surface water intercepting ditches, and all other constructions, devices, and appliances used for collecting or conducting sewage, industrial waste, or other wastes to a point of treatment or ultimate disposal.

Sidestream Elevated Pool Aeration (SEPA): A process in which a portion of the flow of a body of water is pumped up approximately 15 feet; the water is then allowed to cascade downward over a series of weirs, thus increasing the dissolved oxygen content of the body of water.

Solids: The accumulated solids separated from wastewater during processing. The precipitate or product from chemical treatment, coagulation, or sedimentation of wastewater.

Solids Content: The weight of total solids in sludge per unit total weight of sludge, expressed in percent. Water content plus solids content equals 100 percent.

Solids Processing: A variety of settling or filtering operations (grit and scum dewatering, raw sludge concentration, sludge stabilization, dewatered stabilized sludge air drying, for example) used to collect solid material from wastewater or other liquids for subsequent utilization.

Spoil Pile: Excavated materials such as soil and rock that are piled for storage as the result of canal construction activities.

Struvite: A salt precipitate of magnesium, ammonium, and phosphate in wastewater treatment facilities which may build up to the level that cause operational blockages.

Suspended Solids: Solid material that either floats on the surface of, or contained in suspension in, wastewater or other liquids. This material is largely removed by settling or filtering processes at a treatment plant. (See Solids Processing, above.)

TARP (Deep Tunnel): The Tunnel and Reservoir Plan (TARP) improves water quality by capturing combined sewer overflows (CSOs), storing this polluted wastewater, and then pumping it to a treatment plant for processing.

Tertiary Treatment: The third stage of wastewater treatment which purifies the wastewater by removal of fine particles, nitrates, and phosphates with sand filtration. This process removes 99 percent of the impurities.

United States Environmental Protection Agency (USEPA): This federal agency is responsible for setting the guidelines and policies related to wastewater effluents and solids disposal. The Illinois EPA issues the District's National Pollutant Discharge Elimination System permit and other regulatory constraints.

Utilization: Solids used for daily landfill cover, final cover for landfill closure, and to reclaim severely disturbed soil such as strip-mining land.

Wastewater Treatment: Processes which involve physical removal of contaminants from the wastewater by use of coarse screens, fine screens, grit tanks and settling tanks (primary treatment); further treatment via aeration and clarification (secondary treatment); and in some cases, the physical or chemical separation and removal of impurities from secondary-treated effluent (tertiary treatment).

Wetlands: Areas which are inundated by surface or groundwater at a frequency which maintains saturation. The wetlands can be natural (marshes, bogs, swamps, for example) or manmade.

ACRONYMS

| | | | |
|---------------|--|-----------------|---|
| ACH | Automated Clearing House | ITD | Information Technology Department |
| BOD | Biochemical Oxygen Demand | JULIE | Joint Utility Location Information for Excavators, Inc. |
| CALSMA | Calumet Solids Management Area | kWh | kilowatt-hour |
| CAWS | Chicago Area Waterway System | KWRP | Kirie Water Reclamation Plant |
| CBOD | Carbonaceous Biochemical Oxygen Demand | LASMA | Lawndale Avenue Solids Management Area |
| CIBF | Capital Improvements Bond Fund | LSSS | Local Sewer Systems Section |
| CIP | Capital Improvement Program | LWRP | Lemont Water Reclamation Plant |
| CPI | Consumer Price Index | mg/L | milligrams per liter |
| CSA | Calumet Service Area | M&O | Maintenance & Operations |
| CSO | Combined Sewer Overflow | M&R | Monitoring & Research |
| CUP | Chicago Underflow Plan | MBE | Minority-owned Business Enterprise |
| CWRP | Calumet Water Reclamation Plant | MGD | Millions of Gallons per Day |
| DRSCW | DuPage River Salt Creek Workgroup | MOB | Main Office Building - 100 E. Erie St., Chicago, Illinois |
| DWP | Detailed Watershed Plan | MOBA | Main Office Building McMillan Pavilion - 111 E. Erie St., Chicago, Illinois |
| EAV | Equalized Assessed Valuation | MOBC | Main Office Building Complex - MOB & MOBA |
| EBPR | Enhanced Biological Phosphorus Removal | MSPS | Mainstream Pumping Station |
| ESG | Environmental, Social, Governance/Leadership | MWRD | Metropolitan Water Reclamation District |
| EQ | Exceptional Quality | NAA | Net Assets Appropriable |
| EWRP | Egan Water Reclamation Plant | NACWA | National Association of Clean Water Agencies |
| FEMA | Federal Emergency Management Agency | NBPS | North Branch Pumping Station |
| FTE | Full-Time Equivalent | NPDES | National Pollutant Discharge Elimination System |
| GAAP | Generally Accepted Accounting Principles | NSA | North Service Area |
| GASB | Government Accounting Standards Board | OM&R | Operations, Maintenance, & Replacement costs |
| GFOA | Government Finance Officers Association | OPEB | Other Postemployment Benefits |
| GIS | Geographic Information System | OUC | Office of Underground Coordination |
| GPS | Global Positioning System | OWRP | O'Brien Water Reclamation Plant (formerly known as Northside Water Reclamation Plant) |
| HPWRP | Hanover Park Water Reclamation Plant | P&MM | Procurement & Materials Management |
| HSOM | High Strength Organic Materials | PPRT | Personal Property Replacement Tax |
| HVAC | Heating, Ventilation, and Air Conditioning | RAPS | Racine Avenue Pumping Station |
| IDOT | Illinois Department of Transportation | RAS | Return Activated Sludge |
| IEPA | Illinois Environmental Protection Agency | RFP | Request for Proposal |
| IGA | Intergovernmental Agreement | | |
| IT | Information Technology | | |

ACRONYMS (continued)

| | |
|---------------|--|
| RMIS | Risk Management Information System |
| SAP | SAP is a German computer software firm |
| SBE | Small Business Enterprise |
| SP | Strategic Plan |
| SEPA | Sidestream Elevated Pool Aeration stations |
| SIU | Significant Industrial User |
| SRF | State Revolving Fund loan program |
| SS | Suspended Solids |
| SSA | Stickney Service Area |
| SSMP | Small Streams Maintenance Program |
| SWRP | Stickney Water Reclamation Plant |
| TAM | Technical, Administrative, and Managerial |
| TARP | Tunnel and Reservoir Plan |
| TIF | Tax Increment Financing |
| USEPA | United States Environmental Protection Agency |
| VBE | Veteran-owned Business Enterprise |
| WBE | Women-owned Business Enterprise |
| WEFTEC | Water Environment Federation's Technical Exhibition and Conference |
| WMO | Watershed Management Ordinance |
| WRP | Water Reclamation Plant |

NOTE PAGE



Metropolitan Water Reclamation District of Greater Chicago Historical Information And Milestones

- 1837** Chicago was incorporated as a city. The city's primary source of drinking water is Lake Michigan. Due to poor drainage and discharges to Lake Michigan, water-borne diseases plagued the city throughout the 1800s.
- 1856** Sewers were constructed to collect the city's wastewater. These sewers emptied into the Chicago River, ultimately becoming a health hazard.
- 1885** A torrential rainstorm flushed pollution from the river into Lake Michigan prompting public concern for ways to safeguard the quality of the drinking water.
- 1886** A Drainage and Water Supply Commission was created to study the growing problem of contamination of the city's water supply.
- 1889** Illinois Legislature passed an act enabling the establishment of the Sanitary District of Chicago to keep sewage pollution out of Lake Michigan. Referendum passed creating the Sanitary District of Chicago.
- 1892** Ground was broken on the 28-mile Main Channel of the Sanitary and Ship Canal. The canal would reverse the flow of the Chicago River by linking it to the Des Plaines River, and thus prevent pollution of Lake Michigan by the river.
- 1900** Main Channel of the Sanitary and Ship Canal opened.
- 1907** Main Channel Extension including Lockport Powerhouse and Lock completed.
- 1910** North Shore Channel completed.
- 1919** District's Board of Commissioners passed an ordinance committing the District to the construction and operation of treatment plants.
- 1922** The 16-mile Calumet-Sag Channel became operational; Calumet Treatment Plant placed into operation.
- 1928** North Side Treatment Plant placed into operation.
- 1930** U.S. Supreme Court Decree issued reducing diversion of Lake Michigan in steps. Effective January 1, 1939, diversion reduced to 1,500 cubic feet per second; West Side Treatment Plant placed into operation.
- 1939** Southwest Treatment Plant placed into operation.
- 1949** West and Southwest Treatment Plants combined.
- 1955** District's name changed to the Metropolitan Sanitary District of Greater Chicago (MSDGC); the Chicago Sewage Disposal System named one of the Seven Wonders of Modern Engineering by the American Society of Civil Engineers (ASCE), recognizing the size of the system, including intercepting sewers, treatment plants, and waterways.
- 1956** Referendum, enabled by legislation, passed adding 412 square miles to the District.
- 1961** Lemont Treatment Plant placed into operation.
- 1963** Hanover Park Treatment Plant placed into operation.
- 1969** Board adopted the Sewage and Waste Control Ordinance, prohibiting any waste discharge into Lake Michigan.
- 1971** Fulton County "Prairie Plan" began whereby abandoned strip-mines were reclaimed into agriculturally productive land; won "Special Civil Engineering Achievement Award" in 1974 from the ASCE.
- 1972** District adopted the Tunnel and Reservoir Plan (TARP) as recommended by a committee of representatives from the state, city, county, and MSDGC. The plan provided for the collection, transportation, storage, and treatment of combined rainwater and sewage that in periods of heavy rain overflowed into waterways, underpasses, and basements.
- 1975** Construction began on the 31-mile Mainstream tunnel system; Egan Treatment Plant placed into operation.
- 1977** Construction began on the Calumet tunnel system.
- 1980** O'Hare Treatment Plant (later renamed Kirie Water Reclamation Plant) and Upper Des Plaines TARP tunnel system placed into operation.
- 1985** Mainstream tunnel system placed into operation, capable of storing one billion gallons of combined sewage and stormwater; TARP Mainstream System, Phase I, received award for "Outstanding Civil Engineering Achievement" from the ASCE.
- 1986** TARP received awards for "Outstanding Civil Engineering Achievement" and "Outstanding Civil Engineering Achievement of Past 100 Years in Illinois"; 9.2-mile Calumet tunnel system placed into operation.
- 1988** Water quality improvements recognized as causing increased real estate development along the waterway system; construction began on the Des Plaines TARP tunnel.
- 1989** District celebrated its 100th anniversary. As part of the Centennial Celebration, the District changed its name to the Metropolitan Water Reclamation District of Greater Chicago and dedicated the Centennial Fountain.
- 1990** Army Corps of Engineers and the District began construction of the O'Hare-CUP Reservoir, the first of three reservoirs in the TARP program.
- 1992-1994** District's five Sidestream Elevated Pool Aeration Stations (SEPA) completed along the Calumet River system. These stations add oxygen to the waterways to enhance the aquatic environment. The District received "Outstanding Civil Engineering Achievement" in 1994 by ASCE for these projects.
- 1998** O'Hare-CUP Reservoir placed into operation, capable of storing 350 million gallons of combined sewage and stormwater; North Branch tunnel placed into operation.
- 1999** Des Plaines tunnel placed into operation; construction began on the McCook Reservoir.
- 2000** District celebrated the 100th anniversary of the reversal of the Chicago River and completed a century of protecting Chicago's water environment; construction began on Thornton Transitional Reservoir.
- 2003** Construction began on the major capital improvement program for the Calumet, North Side, and Stickney Water Reclamation Plants.
- 2004** By an act of the Illinois Legislature, the District became responsible for stormwater management in Cook County.
- 2006** TARP Phase I 109-mile tunnel system completed; all four TARP tunnel systems in operation.
- 2007** District celebrated 100th anniversary of the Lockport Powerhouse and Dam.
- 2009** Construction of the Thornton Composite Reservoir began.
- 2010** District celebrated the 100th anniversary of the North Shore Channel.
- 2012** North Side Water Reclamation Plant renamed Terrence J. O'Brien Water Reclamation Plant.
- 2013** Board adopted the Watershed Management Ordinance, establishing uniform and minimum stormwater regulations throughout Cook County.
- 2014** District celebrated its 125th anniversary.
- 2015** Disinfection facility at the Calumet Water Reclamation Plant placed into operation. Thornton Composite Reservoir placed into operation.
- 2016** Phosphorus recovery facility placed into operation at the Stickney Water Reclamation Plant; implemented an ultraviolet disinfection process at the O'Brien Water Reclamation Plant; Board adopted the Resource Recovery Ordinance, which provides legal framework for resource recovery initiatives.
- 2017** Phase I of the McCook Reservoir completed.



Since 2019, the MWRD has enlisted the services of goats and sheep each summer to maintain its native prairie landscaping at various MWRD grounds. The herd provides an environmental alternative for landscape maintenance compared to herbicides that can harm the water environment or mowers and other equipment that rely on fuel or non-renewable energy.

Front cover: A primary settling tank and the Process Control Building at the O'Brien Water Reclamation Plant in Skokie, IL on a crisp October morning.

Metropolitan Water Reclamation District of Greater Chicago

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