

# 2022

JULY 1, 2021

—

JUNE 30, 2022

ADOPTED  
June 10, 2021



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*Distinguished  
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PRESENTED TO

**Metropolitan St. Louis Sewer District  
Missouri**

For the Fiscal Year Beginning

**July 1, 2020**

*Christopher P. Morrell*

Executive Director

The Government Finance Officers Association of the United States and Canada (GFOA) presented a Distinguished Budget Presentation Award to Metropolitan St. Louis Sewer District, Missouri for its annual budget for the fiscal year beginning July 1, 2020. In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communications device.

This 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 ST. LOUIS SEWER DISTRICT

## FISCAL YEAR 2022 BUDGET

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**FY22 BUDGET**





**The Introduction Section contains the information regarding how to use this document, a District Organizational Chart, a brief history of Greater St. Louis and the District, services provided by the District, significant demographic information and a map of the service area.**

## HOW TO USE THIS BUDGET DOCUMENT

The Metropolitan St. Louis Sewer District's Annual Budget is comprised of three separate documents: The Annual Budget, the Budget Supplement (Capital Improvement and Replacement Program budget), and the Strategic Business and Operating Plan. This budget document is designed to communicate to the public concise and readable information about District policies, financial structure, operations and its organizational framework. It displays the District's goals, strategies and budget for the 2022 Fiscal Year (July 1, 2021 to June 30, 2022) and analyzes the District's revenues and expenditures. Throughout this book, rounding within reports may cause sub-totals or totals to appear off by a few dollars in either direction.

The document is broken down into the following sections:

**Introduction:** The introductory section contains the How to Use this Document, the District Organizational Chart with a listing of appointed Board members and key personnel followed by a brief history of Greater St. Louis and the District, services provided by the District, significant demographic information, and the District Watershed map.

**Budget Message:** The Executive Director's Budget Message provides an outline of the major assumptions relating to the annual budget, a general indication of the status of the District's finances and service levels, highlights principal issues facing the District, explains major priorities from prior year to current budget year, and short and long-term goals and other significant information.

**Budget Summary:** This section includes Budget & Financial Policies, a recap of the District's Strategic Planning Process, Vision Statement, Mission, Values, Goals, and Strategies. A Gantt chart that lists each department's objectives as they relate to the District's overall Strategic Business and Operating Plan and performance against prior year's objectives is also included. Each department's objectives coincide with MSD's goals and strategies. As each department works toward achieving their objectives, it will support the District in its mission to protect the public's health, safety and water environment by responsibly providing wastewater and stormwater management. The Budget Summary section presents the budgeted revenues and expenditures of the District along with Budget Policies and Procedures, Budget Calendar, and Allocated Positions. This section would describe major changes in service levels, fees, and/or taxes or state if there are no major difference, source of funding, debt authorization and ratio. Also, included is the comparison of Fund Basis verse GAAP Basis Statement of Operations.

**Capital Improvement & Replacement Program Summary:** This section provides an overview of the upcoming and continued capital projects. These projects are funded from a variety of sources, including user charges, fund balance reserves, taxes, State Revolving Fund (SRF) and revenue bonds. In addition, a multi-decade CIRP needs table and a proposed five-year timeline is presented. At the end of this budget document, a *Capital Improvement and Replacement Program (CIRP) Budget Supplement* is included as an appendix. The CIRP Budget Supplement provides detailed descriptions and locations of the sewer projects planned for Fiscal Year 2022.



**General Fund:** The General Fund section begins with revenue trends, an overview and comparison of the fund, followed by sections for individual departmental expenses. Each department's section includes their mission, recent accomplishments, department objectives, budget and staffing. Following the General Fund department expense sections, the document is broken down into other fund groups.

**Revenue Funds:** All user charge revenue is recorded in the Wastewater Revenue Fund. This fund represents actual, budgeted and projected wastewater user charge revenue with projected service levels. A portion of the revenue is allocated to the General Fund for daily operating and maintenance costs and a portion to the Debt Service Funds to retire outstanding revenue bonds issued for capital improvements. The balance of the revenue is transferred to the Sanitary Replacement Fund, the General Insurance Fund, the Water Backup Fund and the Emergency Fund. Stormwater user charges, previously reported in this section, have been discontinued starting with Fiscal Year 2017.

**Construction Funds:** This section provides actual, budgeted and projected revenues, capital improvement expenditures and fund balances including a detailed listing of planned projects and costs.

**Stormwater Funds:** These funds were established to account for ad valorem taxes. The Stormwater Regulatory Fund, Districtwide Stormwater Fund and the Stormwater Operations and Maintenance Funds are reported in this section and receive, or at one time received, property tax revenues. These funds are primarily stormwater dedicated funds for projects and stormwater operations and maintenance.

**Operations, Maintenance, and Construction Improvement (OMCI) Funds:** These funds were established to account for ad valorem taxes, which are their primary source of revenue. This revenue is restricted for stormwater operations and maintenance and related capital improvement projects within the individual taxing district, except for the Bonfils and Meramec subdistricts, which are dedicated to wastewater projects.

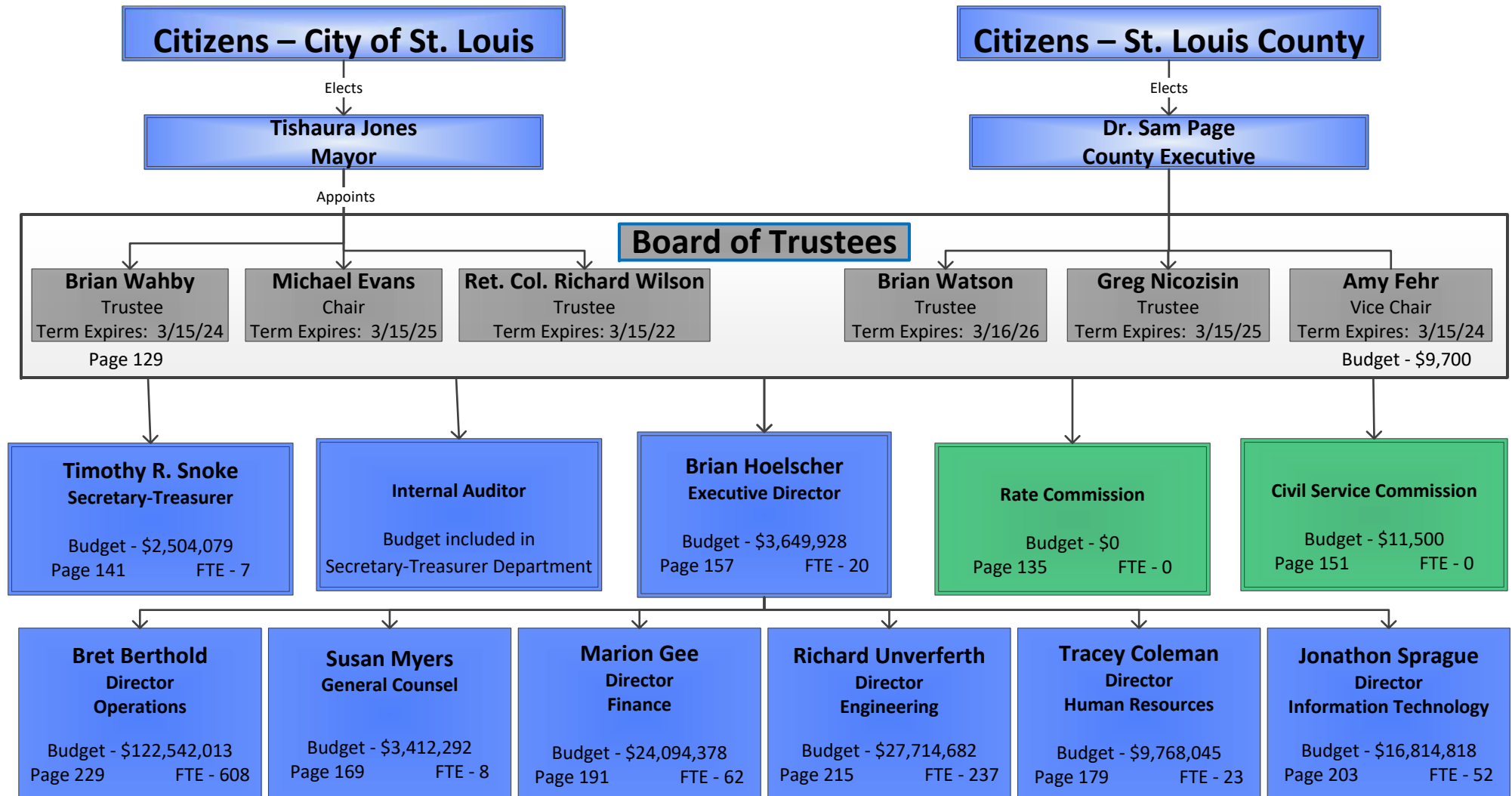
**Debt Service Funds:** This group of funds presents actual, budgeted and projected debt service obligations for revenue bonds issued by the District.

**Special Funds:** This section details actual, budgeted, and projected revenues, expenditures and fund balances of the various special funds such as the Water Back-up Insurance Fund and the Emergency Funds.

**Ordinances:** The last few sections contain the text of the ordinances concerning the revenues and expenditures, taxes and user charges covered in this document.

**Glossaries:** A list of the terminology and acronyms used in this document that is either technical in nature or unique to the Metropolitan St. Louis Sewer District. Each term is given a short description that defines it within the context it is used.

# Metropolitan St. Louis Sewer District



Note: Appointments to the Board of Trustees may continue beyond the term expiration date if a new appointee is not named.



# St. Louis Metropolitan Area

The City of St. Louis is an independent city, meaning it is not part of a county, founded in 1766, located on the eastern border of Missouri and covers an area of approximately 62 square miles.

Before Europeans moved west, the St. Louis area was the center of the Native American Mississippian culture. European exploration began in 1673; five years later the area was claimed as part of French Louisiana. In 1764 control of the area was assumed by the Spanish as part of the Viceroyalty of New Spain. During the American Revolution, the Battle of St. Louis was waged by the British using Native American forces.

In 1800 St. Louis was transferred to the Republic of France. In 1803, St. Louis was sold by France to the U.S. as part of the Louisiana Purchase. Steamboats arrived in St. Louis in 1818, improving connections to New Orleans and eastern markets. Missouri became a state in 1821 with St. Louis continuing to grow due to its port connections.

In 1904 St. Louis hosted the first Olympics held outside of Europe and the World's Fair, Louisiana Purchase Exhibition. Today's Forest Park, which contains the St. Louis Zoo, St. Louis Art Museum and Missouri History Museum, was built as part of the Fair.

St. Louis expanded in the early 20<sup>th</sup> century with the peak population in 1950. Suburbanization from the 50's through the 90's reduced the City's population drastically. Revitalization efforts began in the 1980's and resulted in St. Louis receiving the World Leadership Award for urban renewal in 2006.

Today's City of St. Louis has a population of 300,576. According to the 2019 U.S. Census estimates; 43.5% is white, 46.4% is African American, 4.0% is Hispanic, 3.4% is Asian, 0.3% is Native American/Alaska Native and 2.4% report two or more races. The median age in the City is 35.8 and the median income per household is \$43,896.

St. Louis County is comprised of 88 municipalities with some unincorporated areas, encompassing 508 square miles. The population estimate as of 2019 was 994,205 with a median age of 40.3 years. As of the 2019 Census data estimates, the racial makeup of the County is 65.1% white, 25.0% African American, 4.6% Asian, 3.0% Hispanic, 0.2% Native American and 2.1% from two or more races. The median household income is \$67,420.

The County was organized in 1812 with the City of St. Louis voting to become independent in 1877. At the time there were 350,000 residents in the City and 30,000 in the County. The City residents wanted to be, "rid of county taxes and state influence over county government." In 1970 the population of the County was 951,353 and the City's population was 750,026. In the 2010 Census both the City and the County experienced a reduction in population.

The combined City and County is known as Greater St. Louis and is the 20<sup>th</sup> largest metropolitan area in the U.S. The average annual temperature is 57 degrees Fahrenheit with an average precipitation of 41 inches per year. The City of St. Louis is also known as the Gateway to the West with the iconic St. Louis Arch rising 630 feet above downtown with the city at 465 feet above sea level. St. Louis supports two major sports teams: Cardinals baseball and Blues hockey.

Greater St. Louis is home to several Fortune 500 companies including Centene, Emerson Electric, Ameren, Reinsurance Group of America, Jones Financial, Olin, Post Holdings and Graybar Electric. Employment is supported by healthcare, education, trade and transportation, professional business services and manufacturing. The City of St. Louis placed 21<sup>st</sup> in the country for Gross Metropolitan Product (GMP) and, in 2020, St. Louis County had an unemployment rate of 8.9%, well below the national average of 10.2%.



# Metropolitan St. Louis Sewer District

The Metropolitan St. Louis Sewer District was created in 1954 to provide a metropolitan-wide sewer system and drainage facility to serve the City of St. Louis and most of the more heavily populated areas of St. Louis County. Before MSD's creation, the City of St. Louis, various municipalities, and private sewer companies provided sewer service that primarily included only collecting and transporting sewage from small geographic areas to nearby rivers and streams with little or no treatment. Most of the municipalities or private sewer companies serving the area did not have the jurisdictional authority or financial resources needed to eliminate health hazards from untreated sewage.

When the District began operations, it took over the publicly owned wastewater and stormwater drainage facilities within its jurisdiction and began the construction of an extensive system of collector and interceptor sewers and treatment facilities. In 1977, voters approved the District's annexation of a 270 square mile area of the lower Missouri River and lower Meramec River watersheds. The District purchased the Fee Fee Trunk Sewer Company and the Missouri Bottoms Sewer Company in 1978. MSD has since annexed other property and acquired other investor-owned or municipally operated systems.

The District's service area now encompasses 520 square miles, including all 66 square miles of the City of St. Louis and 454 square miles of St. Louis County. The current population served by the District is approximately 1.3 million.

MSD is organized pursuant to Article VI, Section 30 of the Missouri State Constitution that empowers the people of St. Louis County and the City of St. Louis "to establish a metropolitan district for functional administration of services common to the area". MSD is the only district established pursuant to that section of the Missouri State Constitution.

The Proposed Plan of the Metropolitan St. Louis Sewer District (the Plan), approved by the voters in 1954 and amended in 2000, 2012 and 2021, established the District. The Plan describes the District as "a body corporate, a municipal corporation and a political subdivision of the state". As a political subdivision of the state, MSD is comparable to a county or city, such as the City of St. Louis or St. Louis County, only with powers and responsibilities limited to wastewater collection and treatment and stormwater management.

# METROPOLITAN ST. LOUIS SEWER DISTRICT AT A GLANCE

## INCORPORATION/GOVERNMENT

Established .....February 9, 1954  
Form of government .....  
Political subdivision of the State of Missouri

The Plan of the District was drafted by a Board of Freeholders and approved by the voters in 1954 and amended in 2000, 2012 and 2021.

A six-member Board of Trustees -- three appointed by the Mayor of the City of St. Louis and three appointed by the County Executive of St. Louis County, sets the policy governing MSD.

<u>Board Member</u>	<u>Term Expires</u>
Michael Evans, Chair, (City) .....	3/15/2025
Ret. Col. Richard Wilson, (City).....	3/15/2022
Brian Wahby, (City) .....	3/15/2024
Amy Fehr, Vice Chair, (County).....	3/15/2024
Greg Nicozisin, (County) .....	3/15/2025
Brian K. Watson, (County).....	3/16/2026

Board meetings are held the second Thursday of the month and are open to the public. Various citizen groups are formed to submit comments on ballot propositions and key District initiatives.

The voters in the community must approve all debt issues and tax issues.

### **Bond Ratings Series 2020B\***

S&P .....	AAA
Fitch .....	AA+

\*Overall Outstanding Rating is consistent with 2020B Series.

## FY22 BUDGET

Operating Budget .....	\$224.3 million
CIRP .....	\$359.4 million
Debt Service .....	<u>\$127.3 million</u>
Total FY22 Budget .....	\$711.0 million

## MAJOR SERVICES PROVIDED BY MSD

Wastewater Treatment  
Sanitary & Stormwater Maintenance  
Floodwater Control  
Pump Station Operation & Maintenance  
Monitoring of Industrial Waste  
Issuance of Pretreatment Discharge Permits  
Engineering Design and Specification  
Construction of Sewer Lines  
Plan Reviews and Approvals  
Issuance of Connection Permits

## FY20 SERVICE STATISTICS

### **OPERATIONS**

Sewer Lines .....	9,400 Miles
Treatment Plants .....	7 Plants
Sewage Treatment:	
Average flow in million gallons	
per day (MGD) .....	367.5
Treatment Capacity (MGD).....	593
Annual engineering maximum plant capacity	
(millions of gallons) .....	216,354
Amount treated annually	
(millions of gallons) .....	134,502
Unused Capacity (millions of gallons) .....	81,852
Percentage of capacity utilized .....	62%

### **ENGINEERING**

Engineering Services:	
Sewer Plans Approved .....	435
Sewer Construction Permits Issued .....	2,277
Sewer Connection Permits Issued .....	1,742

### **BILLING**

Single Family Accounts .....	361,545
Multi-Family Accounts.....	41,365
Commercial-Industrial Accounts .....	<u>24,066</u>
Total Accounts .....	426,976

## DEMOGRAPHICS

Land Area .....	520 square miles
Population.....	1.3 million
No. of Households - City & County .....	547,936
No. of Registered Voters .....	981,832
Median Age of Residents-City .....	35.8 yrs.
Median Age of Residents-County .....	40.3 yrs.
Median Household Income-City .....	\$43,896
Median Household Income-County .....	\$67,420
Median value of housing-City .....	\$138,700
Median value of housing-County .....	\$198,800
Persons below poverty level:	
- St. Louis City .....	21.8%
- St. Louis County .....	9.3%
Unemployment St. Louis City .....	12.0%
Unemployment St. Louis County .....	8.9%
Unemployment Missouri Average .....	7.9%
Unemployment National Average .....	10.2%

Note: Unemployment was higher due to COVID-19 virus.

### **Cultural Institutions & Attractions:**

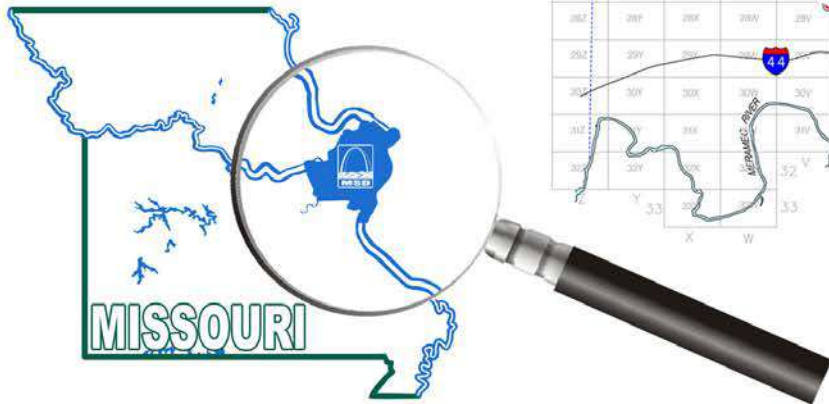
- Gateway Arch
- St. Louis Art Museum
- Missouri History Museum
- St. Louis Zoo
- Science Center
- Saint Louis Symphony
- Missouri Botanical Garden
- Busch Stadium

**Major employers** include (local employees): BJC HealthCare (29,305), Mercy (20,182), Washington University in St. Louis (17,688), Boeing Defense, Space & Security (14,566), SSM Health (13,500), and Scott Air Force Base (13,000).

**Fortune 500 companies** include: Centene, Emerson Electric, Ameren, Post Holdings, Reinsurance Group, Jones Financial, Olin, and Graybar Electric.



# Metropolitan St. Louis Sewer District Watersheds







**The Executive Director's Budget Message provides an outline of the major assumptions relating to the annual budget, a general indication of the status of the District's finances and service levels, short and long-term goals and other significant information.**



**Metropolitan St. Louis  
Sewer District**

2350 Market Street  
St. Louis, MO 63103

June 10, 2021  
Board of Trustees  
Metropolitan St. Louis Sewer District  
2350 Market Street  
St. Louis, MO 63103

Dear Trustees:

The mission of the Metropolitan St. Louis Sewer District (MSD) is to protect the public's health and safety, and the region's water environment, by responsibly providing wastewater and stormwater management. In fulfilling our mission, we focus on delivering sound fiscal management and fostering a business-focused culture throughout the organization.

As we continue to build upon our progress over the past several years, in fiscal year 2022 (FY22), we will remain focused on several key areas of overall operations, while being fiscally responsive to the needs of the St. Louis region:

**STRATEGIC BUSINESS AND OPERATING PLAN** – MSD's management is committed to running this utility like a business. A key aspect of this effort is MSD's Strategic Business and Operating Plan (SBOP). The FY22 SBOP is a business-focused blueprint for serving our customers now and into the future. It is a plan that puts the customers and the St. Louis community first. The SBOP goals are clear:

- Deliver consistent, high quality customer service;
- Comply with all legal and regulatory requirements and schedules;
- Minimize customer rate increases; and

- Be accountable to the St. Louis community

The SBOP is tied to the budgeting process to ensure that initiatives are properly funded. Each department prepares a base budget that covers funding for its day-to-day operations, and an incremental budget for strategic activities that are to be implemented throughout the budget year. A detailed budget review process ensures an in-depth review of all budgetary requests. If fiscal constraints require reduced funding, the costs of strategic objectives are identified so that proper decisions can be made.

**BUDGET SUMMARY** – As the Executive Director of MSD, I affirm that rates and charges as currently implemented will generate sufficient revenues to meet all expenditures as proposed in the FY22 budget, providing adequate operating liquidity as directed in MSD's Debt Management Policy. Furthermore, current rates and charges are adequate to ensure MSD's compliance with all obligations as provided in the Master Bond Ordinance, adopted by the Trustees on April 22, 2004.

The proposed FY22 operating budget includes \$224.3 million for day-to-day operations, reflecting a \$3.3 million or 1.5% increase over the FY21 budget. The total District budget for FY22 is \$711.0 million, which includes the operating budget, Capital Improvement and Replacement Program (CIRP), and debt service. The proposed budget includes a decrease of 9 Full Time Employee (FTE).

Proposed expenditures for FY22 are summarized as follows:

---

Operating	\$224.3 million
CIRP	\$359.4 million
Debt Service	<u>\$127.3 million</u>
<b>TOTAL EXPENSE BUDGET</b>	<b>\$711.0 million</b>

Versus costs presented to and approved by the FY21 – FY24 Rate Commission, the operating budget for FY22 is projected

to be 1.1% less than originally planned; and the CIRP budget for FY22 is projected to be 2.7% less than originally planned.

The proposed FY22 budget for wastewater user charges is approximately \$436.9 million, which is \$3.6 million or 6% less than the amount presented and approved by the FY21 – FY24 Rate Commission. Reductions in debt service expenses are anticipated to partially offset the projected decline in wastewater user charges due to a decrease in customer water usage.

In addition, proceeds from the issuance of revenue bonds are budgeted to be \$119 million in FY22 which is in line with the amount presented to and recommended by the Rate Commission.

**PHASE II STORMWATER PERMIT** – The Missouri Department of Natural Resources has issued a Phase II Stormwater permit to MSD, St. Louis County, and 59 county municipalities, effective December 14, 2016 – September 30, 2021. Under the provisions of this permit, MSD is the St. Louis Coordinating Authority for our separate municipal stormwater sewer system. St. Louis County and the municipalities are co-permittees.

Per the Phase II Storm Water Management Plan, MSD has again committed significant resources to this important effort. Not only does this work help MSD meet its legal obligations as a stormwater permit holder and as the St. Louis Coordinating Authority, but it significantly reduces the overall compliance burden incurred by MSD's co-permittees. Such an approach allows for a comprehensive and meaningful direction for our community's Phase II Stormwater efforts.

**MSD PROJECT CLEAR®** – In 2007, the State of Missouri and the United States Environmental Protection Agency filed a lawsuit against MSD regarding overflows. The Missouri Coalition for the Environment later joined the lawsuit as an intervener.

Throughout MSD's service area, there are hundreds of points where a combination of rainwater and wastewater discharges into local waterways from the sewer system during moderate to heavy rainstorms. Sewer overflow points act as relief valves when too much rainwater enters the sewer system, and without them, communities could experience thousands of basement backups and/or extensive street flooding.

In April 2012, the United States Federal Court approved an agreement known as a Consent Decree bringing the lawsuit to a close. This was amended by the United States District Court for the Eastern District of Missouri on June 22, 2018. The agreement calls for \$6.0 billion (in 2018 dollars) in improvements to the wastewater system over the next two decades. The FY22 capital budget continues MSD's ongoing execution of the Consent Decree.

Knowing that robust and simplified communications would be critical to the success of the Consent Decree, MSD launched MSD Project Clear (MSDPC). MSDPC covers all Consent Decree activities and communications with stakeholders. Therefore, MSDPC is a multi-billion-dollar, multi-decade initiative to plan, design, and build system-wide improvements to address water quality and alleviate many wastewater concerns in the St. Louis region. MSDPC focuses on system-wide improvements to get the rain out, repair and maintain, and build system improvements. Projects range in scale from massive underground tunnels that carry the volume of stormwater needed in a growing region, to the disconnection of residential downspouts from the sanitary sewer lines, and rainscaping improvements to manage stormwater runoff.

**RAINSCAPING / GREEN INFRASTRUCTURE** – As part of the amendment of the Consent Decree, MSD also agreed to invest at least \$20 million in green infrastructure in the Lemay Service Area/River Des Peres Watershed, reducing untreated overflow volume to the River Des Peres. This is in addition to the existing \$100 million program within the Bissell Point watershed, which

is predominantly served by the combined sewer system (sewers that collect rainwater and wastewater).

The rainscaping program includes:

- Up to \$13.5 million (\$1.5 million was spent in the pilot phase) will be used to demolish hundreds of abandoned, structurally condemned buildings that present a threat to public health and safety in the City of St. Louis. These demolitions reduce impervious surface area, which lessens the burden placed on the combined sewer system during moderate to heavy rainstorms.
- The Large-Scale Rainscaping Program continues to build partnerships with municipalities, schools, community development organizations, private developers, and others. These partnerships help identify joint opportunities to incorporate rainscaping into ongoing development and other activities in the Bissell Point watershed.
- The Small Grants Rainscaping Program encourages homeowners, neighborhood groups, and other organizations to apply for grants, recently increased to up to \$4,000. These grants are designed to help MSD customers utilize raingardens, bioretention cells, pervious pavement, green roofs, and other rainscaping techniques at their home or business.

The Small Grants Rainscaping Program relied on in-person meetings to explain the program requirements and answer questions. The FY21 season was postponed due to COVID-19. Since that time, MSD is working to record the information in a series of videos that can be viewed online to fulfill the program requirements. It is anticipated the online videos will be available in spring 2021, with a new year-round application process for the entire District service area.

**WASTEWATER PROJECTS** – In FY22, MSD has plans for 122 new or continuing wastewater projects, throughout the service area, totaling \$336.5 million. These projects are funded primarily from the Sanitary Replacement Fund and bond sales. The work represents \$7.3 million in continued projects and \$329.2 million in new projects.

**STORMWATER PROJECTS** - In FY22, MSD tentatively plans 22 stormwater projects, including continuing projects from FY21, totaling \$16 million.

**BOND UTILIZATION & RATINGS** – Since FY04, MSD has utilized voter approved bonds to lessen the steepness of necessary rate increases. While bonds must be repaid with interest, the dollars raised through their issuance has helped maintain the relative affordability of MSD rates.

Proceeds from the issuance of bonds must be – and can only be – used to finance wastewater projects that are a part of MSD’s Capital Improvement and Replacement Program (CIRP).

Through bond elections in 2004, 2008, 2012, and 2016, area voters have approved a total of \$2.62 billion in bond authorizations. As of December 31, 2020, MSD has utilized \$2.16 billion of the voter approved bond authorizations. Of that amount, \$1.67 billion in bonds is outstanding. \$456.4 million in bond authorization remains to be utilized. On April 6, 2021 voters authorized an additional \$500 million of bonds.

Thanks to strong financial operations; an experienced management staff; strong management and planning capabilities for the CIRP; and strong voter support for the bond authorizations, MSD enjoys some of the highest bond ratings received by any sewer utility in the United States. The current ratings are: Moody’s - Aa1; Standard & Poor’s – AAA; Fitch – AA+. These strong ratings allow MSD to issue bonds at lower interest rates, which in-turn lowers the costs that are passed on to MSD customers.

**RATE COMMISSION** – The MSD Rate Commission was established in 2000 through voter approved amendments to MSD’s Charter. Composed of 15 member organizations that represent a broad cross-section of MSD’s customers and the community it serves; the Rate Commission is designed to provide public input into how rates are set. By Charter, MSD staff is required to submit all rate proposals to the Rate Commission. In turn, the Rate Commission independently reviews rate proposals and makes recommendations to MSD’s Board of Trustees. Only under parameters defined in MSD’s Charter can Rate Commission recommendations be changed, modified, or rejected.

The Rate Commission submitted a recommendation to the MSD Board of Trustees on August 16, 2019. The recommendation includes a rate increase for wastewater, either with additional bonding or without. Per Resolution 3547 the Board of Trustees accepted the Rate Commissions recommendation and voters authorized an additional bonding of \$500 million on April 6, 2021.

**DIVERSITY** – Diversity efforts at MSD continue to focus on helping develop and grow minority- and women-owned business enterprises (MWBEE); and to develop a diverse workforce from which contractors can hire workers for MSD projects. In FY20, minority firms performed \$31.4 million in capital work, which represents 14.0% of MSD’s capital program. Women-owned firms performed \$22.0 million in capital work, representing 9.86% of MSD’s capital program. Within the same timeframe, minority construction workforce participation was 196,065 hours, or 26.8% of the total hours worked on capital projects. Women construction workforce participation was 52,513 hours, or 7.2% of total hours worked on capital projects. For capital program professional services (design) with workforce participation goals, minorities represented 17.7% and women represented 37.4% of the workforce.

As MSD continues the important work we are doing to protect our environment and serve our St. Louis community, we strive

to ensure that our efforts reflect the diverse citizenry that we serve.

In FY22, as we closely monitor the impact of COVID-19 on our revenue streams, we will continue to scrutinize our business practices, deliver sound fiscal management, and be fully accountable to the public for the ways in which we spend their money. We will continue to improve our customer service levels and inform the community of our operations and needs. We will persist in addressing the health, safety, and environmental needs we face today and years into the future.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Hoelscher", written in a cursive style.

Brian Hoelscher, P.E.  
Executive Director & Chief Executive Officer



## The District Priorities FY21 and FY22

The Metropolitan St. Louis Sewer District prioritized key initiatives

Note: "v" = Completed "X" = No Progress "C" = Continued with Progress

<u>FY21</u>	<u>Status</u>	<u>FY22</u>
Proposition Y, which will determine how MSD funds \$1.58 billion worth of capital improvements from FY 22- 24, will still be decided by voters in the City of St. Louis and St. Louis County, in April 2021. Postponing the election will have no impact on wastewater rates in FY 21.	✓	<b>Completed in April FY21 delay due to COVID-19</b>
Our continued commitment to diversity will be at the forefront of our efforts in fiscal year 21. MSD has commissioned an update of our 2012 disparity study to ensure continuation of a fair and equitable contracting award system for ready, willing, and able MWBEs. The update will again evaluate the utilization of minorities and women in the workforce on MSD projects. The results will be released in FY 21.	C	Our continued commitment to diversity will be at the forefront of our efforts in fiscal year 21. MSD has commissioned an update of our 2012 disparity study to ensure continuation of a fair and equitable contracting award system for ready, willing, and able MWBEs. The update will again evaluate the utilization of minorities and women in the workforce on MSD projects. The results will be released in FY 22.
		During FY 22, MSD Project Clear will continue to focus on protecting the public's health, safety, and water environment. MSD Project Clear is a long-term initiative to improve water quality and alleviate many wastewater concerns in the St. Louis region. Details regarding the types of projects that will be initiated in FY 22 in order to fulfill the objectives identified in Project Clear are provided in the appendix of this book.



**The Budget Summary section contains policies, processes, graphs and charts related to budget development, in addition to the Strategic Business and Operating Plan. This section also contains information regarding staffing, sources of funding, user charges, debt, revenue and expenses.**

## **BUDGET & FINANCIAL POLICIES**

The Metropolitan St. Louis Sewer District's budget & financial policies set forth the basic framework for the District's overall management of operations considering changing circumstances and conditions. These policies assist the decision-making process of the Board and provide guidelines for evaluating both current activities and proposals for future programs. The District regularly reviews and revises a comprehensive set of Financial Policies to govern the overall financial management and health of the District.

Note: "v" = Compliant "X" = Not Compliant

<b><u>Balanced Budget Policy</u></b>	<b><u>Compliance</u></b>	<b><u>Performance Against Policy</u></b>
<b>Section 7.130 of the District's Charter requires a balanced budget be submitted to The Board for approval. It mandates the following three requirements:</b>	✓	
<ul style="list-style-type: none"> <li>In no event shall the total amount of proposed expenditures for the budget year from any fund exceed the estimated revenues to be actually received plus any unencumbered balance or less any deficit estimated for the beginning of the budget year.</li> </ul>	✓	"Changes in Fund Balance" pages are included in this book to demonstrate compliance with this policy.
<ul style="list-style-type: none"> <li>The Annual Budget must be balanced. All funds, Department operations and services, supported by the financial resources of the District, must function within the limits of these resources identified or available specifically to them. A balance must be struck between revenues and expenditures so that the public can realize the benefits of a strong and stable utility. By law, budgets cannot exceed available resources, defined as revenues generated in the current period added to balances carried forward from prior years.</li> </ul>	✓	"Source of Funding" pages are included in this book to demonstrate compliance with this policy.

## **BUDGET & FINANCIAL POLICIES (continued)**

Note: "v" = Compliant "X" = Not Compliant

<b><u>Balanced Budget Policy (continued)</u></b>	<b><u>Compliance</u></b>	<b><u>Performance Against Policy</u></b>
<ul style="list-style-type: none"> <li>Pursuant to the Metropolitan St. Louis Sewer District Charter, Section 7.130, not later than the fifteenth day of March in each year, the Executive Director will submit to The Board a budget for the ensuing fiscal year, an explanatory budget message, and a general appropriation ordinance conforming with such budget. The budget shall provide a financial plan for the budget year for all District and subdistrict funds.</li> </ul>	v	The Board of Trustees received all of the required documents on March 11, 2021.

<b><u>Operating Budget Policies</u></b>	<b><u>Compliance</u></b>	<b><u>Performance Against Policy</u></b>
Historical levels of funding and expenditures 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.	v	"Changes in Fund Balance" pages are included in this book to demonstrate compliance with this policy.
Whenever approved by The Board, the Executive Director may transfer any unencumbered appropriation balances or portions from one classification of expenditure to another.	v	The District complies with this policy.
Per Section 7.160 of the Charter, at any time during the budget year, upon recommendation of the Executive Director, The Board may, by ordinance, make supplementary appropriations if (1) the Executive Director estimates that such appropriations will not result in a deficit at the end of the budget, or (2) The Board shall adopt an ordinance or ordinances consistent with the requirements in Section 7.140 providing additional revenues and the Executive Director estimates that the amount to be actually received there from during the budget year will equal or exceed the amount of such supplementary appropriations.	v	The District complies with this policy.

## **BUDGET & FINANCIAL POLICIES (continued)**

Note: "v" = Compliant "X" = Not Compliant

<u>Operating Budget Policies (continued)</u>	<u>Compliance</u>	<u>Performance Against Policy</u>
The District will maintain a budgetary control system to ensure adherence to the budget and will prepare regular reports comparing actual revenues and expenditures to budgeted amounts.	v	The District's accounting system has controls to ensure compliance with the budget. Managers receive daily reports that show financial performance against budget. Monthly reports comparing actual revenues and expenditures are prepared for Senior Management and highlights of these reports are presented quarterly to the Finance Committee of the Board of Trustees.

<u>Revenue Policies</u>	<u>Compliance</u>	<u>Performance Against Policy</u>
The District will seek to maintain a diversified and stable revenue system to minimize short-run fluctuations in any one revenue source.	v	User Charge Fees are the District's primary source of funding for wastewater operations. While some of these fees are also used for capital improvements, the District also uses revenue bonds to finance a large portion of the CIRP.
The District will follow an aggressive policy of collecting revenues.	v	The District uses a multi-layered approach to collecting past due accounts. It employs a series of automated reminder calls to accounts that are 25 days delinquent. Accounts that remain delinquent then progress to being placed with collection agencies, second placement agencies and eventually law firms for collection.



## **BUDGET & FINANCIAL POLICIES (continued)**




Note: "v" = Compliant "X" = Not Compliant

<u>Revenue Policies (continued)</u>	<u>Compliance</u>	<u>Performance Against Policy</u>
The District will establish wastewater user charges and stormwater user charges, fees and tax rates at a level related to the full cost (operating, direct, indirect and capital) of providing the service. Voter approval is required to implement tax rate increases.	✓	The District is required to submit rate change proposals to a Rate Commission. During this rate setting process, the District's rate consultant performed a detailed cost of service analysis using industry standard principles endorsed by the Water Environment Federation which allows the District to demonstrate that rates have been set at a level to recover the full cost, without excess, of providing service.
The District will review wastewater fees and stormwater user charges, and fees annually to determine if the revenues support the cost of the service. Rate increases to generate needed revenues are required, per Charter Section 7.040, to be submitted to the District's Rate Commission for review and recommendation to The Board.	✓	The District reviews fee revenue annually as part of the budget process to ensure it is adequate to meet the District's balanced budget requirement.

<u>Investment Policies</u>	<u>Compliance</u>	<u>Performance Against Policy</u>
The District will maximize the return on all cash available for investment without sacrifice of safety or necessary liquidity.	✓	The District complies with this policy.
The Secretary-Treasurer will develop and maintain a comprehensive, well-documented investment reporting system. This system will provide The Board with appropriate investment performance information.	✓	The Secretary-Treasurer reports monthly to the Finance Committee of The Board on the performance and make-up of the investment portfolio.

## **BUDGET & FINANCIAL POLICIES (continued)**

Note: "✓" = Compliant "X" = Not Compliant

<b><u>Debt Policies</u></b>	<b><u>Compliance</u></b>	<b><u>Performance Against Policy</u></b>
<p>The Board shall authorize and approve all debt issued for the purpose of financing portions of the District's CIRP as well as debt that may be issued for the purpose of refunding any outstanding District debt.</p>		<p>In the previous budget year, the District participated in the 2020A SRF Direct Loan Program with the State of Missouri, Series 2020B Wastewater System Revenue Bonds, the Series 2021A SRF Direct Loan Program with the State of Missouri, and the Series 2021B SRF Direct Loan Program with the State of Missouri. The Board approved these debt issuances with Ordinances 15945 (2020A), 15546 (2020B), 15601 (2021A), 15602 (2021B). The Board also approved Ordinance 15350 authorizing and directing the issuance, sale, and delivery of Wastewater System Refunding Revenue Bonds through December 31, 2021. The 2021C refunding revenue bonds closed 5/3/2021.</p>
<p>The District will confine long-term borrowing to finance authorized capital improvement projects or to refund, on a current or advanced basis, outstanding debt obligations. Any bond issues to refund on an advanced basis would be taxable debt.</p>		<p>The District complies with this policy.</p>
<p>The District may issue long-term debt (general obligation or revenue bonds) where it is deemed that capital improvements should not be financed from current revenues. Long-term borrowing will not be used to finance current operations or normal maintenance. Long-term debt will be self-supporting and structured such that the weighted average maturity of the debt does not exceed the expected useful life of the capital project.</p>		<p>The District's use of revenue bonds during FY21 was consistent with use of debt outlined in the Rate Change Report accepted by The Board on October 2019. The proceeds from these bonds were used solely for capital improvements, where the assets gained have a useful life greater than the weighted average maturity of the debt.</p>

## **BUDGET & FINANCIAL POLICIES (continued)**

Note: "✓" = Compliant "X" = Not Compliant

<b><u>Debt Policies (continued)</u></b>	<b><u>Compliance</u></b>	<b><u>Performance Against Policy</u></b>
The District may issue (1) general obligation bonds to finance capital improvement projects that result in community-wide benefits (2) revenue bonds to finance capital improvement projects serviced from the net revenues from a particular enterprise, such as sewer service.	✓	The District's use of revenue bonds in FY21 for capital improvement projects will be serviced with pledged revenues from sanitary sewer user charges.
Issuance of general obligation bonds requires 57% approval of those voting at primary and general elections and a 67% approval at other elections. Issuance of revenue bonds requires simple majority approval of those voting.	✓	The District's issuance of revenue bonds in FY21 were authorized by voters at special election held on April 5, 2016.
No general obligation bonds shall be issued in an amount, which together with existing indebtedness of the District or a subdistrict exceeds in the aggregate 5% of the value of all taxable tangible property in the District and its subdistricts.	✓	The District has no outstanding general obligation bonds.
Any general obligation bonds issued under the District charter shall mature over a period not exceeding 20 years from the date contracted, while revenue bond maturities may extend to 30 years.	✓	The District has no outstanding general obligation bonds.
For the purpose of refunding, extending, or unifying the whole or any part of its valid bonded indebtedness, the District may issue refunding bonds not exceeding the principle amount of the outstanding indebtedness to be refunded and the accrued interest to the date of such refunding bonds.	✓	To date, The District has executed one taxable refunding in FY20. The 2019C Taxable Wastewater System Refunding Senior Revenue bonds refunded \$103.1 million of the 2012A, \$83.9 million of the 2012B, \$68.0 million of the 2013B, and \$18.4 million of the 2015B Bonds. The 2019C Issue does not count against authorization. The refunding did not exceed the compliance levels and the District is compliance with this policy.

## **BUDGET & FINANCIAL POLICIES (continued)**

Note: "✓" = Compliant "X" = Not Compliant

<b><u>Debt Policies (continued)</u></b>	<b><u>Compliance</u></b>	<b><u>Performance Against Policy</u></b>
<p>Short-term borrowing may be utilized as authorized by District Charter, Section 3.020(13), for the temporary funding of capital projects or for operational cash flow deficits subject to the following policies:</p> <ul style="list-style-type: none"> <li>▪ District may issue short-term debt when there is a defined and adequate repayment source.</li> <li>▪ Lines of Credit may be considered as an alternative to other short-term borrowing options if it is determined to be more cost-effective.</li> <li>▪ Other short-term debt, including commercial paper notes, may be used when it provides an interest rate advantage or as interim financing until market conditions are more favorable for long-term debt issuance.</li> </ul>	✓	The District did not utilize short-term borrowing in FY21.
<p>Per Charter Section 3.020, the District may use short-term debt to provide for the borrowing of money in anticipation of the collection of taxes and revenues for the fiscal year. The amount of such loans shall at no time exceed 90% of the estimated collectible taxes and revenues for the year yet uncollected.</p>	✓	The District did not utilize short-term borrowing in FY21.

## **BUDGET & FINANCIAL POLICIES (continued)**

Note: "✓" = Compliant "X" = Not Compliant

<b><u>Reserve Policies</u></b>	<b><u>Compliance</u></b>	<b><u>Performance Against Policy</u></b>
The operating reserve is a balance maintained in the General Fund, Construction Funds and Special Funds combined to accommodate fluctuations in annual revenues and expenditures. The District currently maintains a minimum fund balance of 60 days or 16.4% of the next year's annual operating expenditures for working capital.	✓	Operating Reserves for:  FY20 – Actual – 183  FY21 – Projected – 118 days
The District will maintain a Stormwater Emergency Fund with a minimum balance of \$250,000 and a Wastewater Emergency Fund with a minimum balance of \$500,000.	✓	The District is in compliance with these minimum balance requirements. Please refer to the "Changes in Fund Balance" tables for these funds in the Debt Service & Special Funds section of this book for exact fund balances.
The District will maintain a Wastewater Backup Insurance and Reimbursement Fund with a minimum balance of \$1 million dollars.	✓	The District is in compliance with this minimum balance requirement. Please refer to the "Changes in Fund Balance" tables for these funds in the Debt Service & Special Funds section of this book for exact balances.
The District will maintain a General Insurance Fund with a minimum balance of \$500,000 dollars.	✓	The District is in compliance with this minimum balance requirement. Please refer to the "Changes in Fund Balance" tables for these funds in the Debt Service & Special Funds section of this book for exact balances.
Funds will be reserved to comply with the terms and conditions of the debt instruments used to finance capital improvement projects.	✓	The Master Bond Document contains a 45-day reserve requirement. Operating reserves for:  FY20 – Actual – 183 days  FY21 – Projected – 118 days
Property taxes levied by the District and other revenue received for construction, operations and maintenance in particular taxing subdistricts will be reserved for that use.	✓	The District maintains separate funds to account for each of the taxing subdistricts it manages.



## **BUDGET & FINANCIAL POLICIES (continued)**

Note: "v" = Compliant "X" = Not Compliant

<b><u>Capital Improvement and Replacement Policies</u></b>	<b><u>Compliance</u></b>	<b><u>Performance Against Policy</u></b>
The District shall prepare a long-term plan for wastewater infrastructure projects to relieve backup complaints and/or for the correction of identified sanitary sewer capacity inadequacies and deficiencies and/or for the correction of bypasses and overflows. This plan shall include stormwater projects to prevent flooding and erosion threatening homes and property. This plan shall be used to develop a five-year CIRP and make all capital improvements accordingly. This five-year plan shall be updated annually.	✓	The Board of Trustees received the five-year CIRP on March 11, 2021. This plan is updated annually and is consistent with the District's long-term plan for wastewater and stormwater projects.
The Board adopts the CIRP as a planning document but does not appropriate the identified multi-year expenditures. These expenditures are legally authorized during the year at the time a fixed contract is awarded.	✓	The District complies with this policy.
The District will maintain its physical assets at a level adequate to protect the District's capital investment and to minimize future maintenance and replacement costs.	✓	The District complies with this policy.

## **BUDGET & FINANCIAL POLICIES (continued)**

Note: "v" = Compliant "X" = Not Compliant

<b><u>Financial and Accounting Policies</u></b>	<b><u>Compliance</u></b>	<b><u>Performance Against Policy</u></b>
An independent audit shall be made of all accounts of the District at least annually by a certified public accounting firm that shall be engaged by The Board.	✓	CliftonLarsonAllen LLP issued their Independent Auditors' Report for the financial statements as of and for the year ended June 30, 2020 on October 13, 2020.
Financial reports will be submitted to The Board and District Staff.	✓	The District complies with this policy.
District financial information will be available through monthly financial statements, the Comprehensive Annual Financial Report and Annual Budget.	✓	The District prepares monthly financial statements and publishes quarterly statements on its website. The Comprehensive Annual Financial Report, the Annual Budget, and Popular Annual Financial Report are also available on the District's website.
The District will produce annual financial reports in accordance with Generally Accepted Accounting Principles (GAAP) as outlined by the Governmental Accounting Standards Board (GASB).	✓	The District's Comprehensive Annual Financial Report is prepared in accordance with GAAP as outlined by the GASB.

<b><u>Strategic and Operating Plan Policies</u></b>	<b><u>Compliance</u></b>	<b><u>Performance Against Policy</u></b>
The District's Charter requires a continuing five-year strategic and operating plan (SBOP) to be adopted on an annual basis by the Board of Trustees. The SBOP shall state the District's objectives for the succeeding five years and include targets by which to measure the District's performance in meeting these objectives.	✓	The Strategic and Operating Plan was completed for FY21-FY25.

## **BUDGET & FINANCIAL POLICIES (continued)**

### **Financial Structure**

The District's financial structure is organized on the basis of funds, each of which is considered a separate accounting entity with fund specific balancing accounts that comprise its assets, liabilities, fund balances, revenues and expenditures. Governmental resources are allocated to and accounted for in individual funds based upon the purposes for which they are to be spent and the means by which spending activities are controlled.

The District uses both Governmental Funds and Proprietary Funds. The District uses a Modified Accrual method of budgeting, and both Modified Accrual and Accrual bases of accounting.

In the table below, each fund type and group are identified. The purpose of the fund is stated, and the Budgeting Basis and Accounting Basis are also reported for each fund group.

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***Modified Accrual Accounting or Budgeting** recognizes revenues when they are both available and measurable. Most expenditures are recognized when an obligation to pay is established, except in the case of interest on long-term debt. That interest expense is recognized when it is due.*

***Full Accrual Accounting** is very similar to Modified Accrual Accounting. Under Full Accrual revenues are recognized when earned, and expenditures are recognized when an obligation to pay is established.*

*However, the major ways in which Modified Accrual is different than Full Accrual is the recognition of Capital expenditures. Under the Modified Accrual method, Capital expenditures are recognized when the entity has an obligation to pay. Under the Full Accrual method, Capital expenditures are recognized over the life of the asset.*

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## **BUDGET & FINANCIAL POLICIES (continued)**

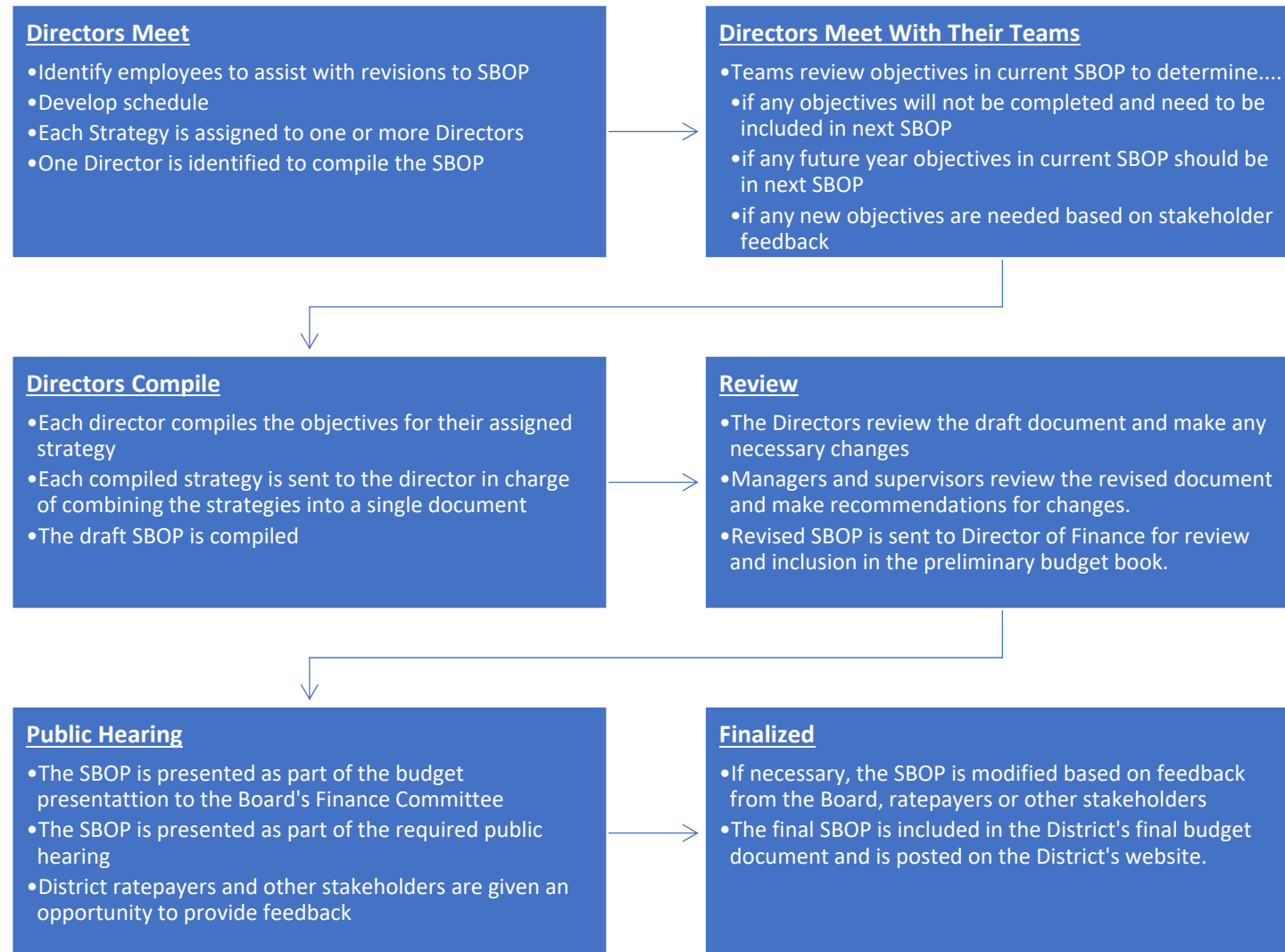
<b><u>Fund Type/Fund Title</u></b>	<b><u>Purpose</u></b>	<b><u>Budgeting Basis</u></b>	<b><u>Accounting Basis</u></b>
<b>GOVERNMENTAL FUNDS</b>			
General Fund	The General Fund is the general operating fund of the District. It is used to account for all financial resources except those required to be accounted for in another fund.	Modified Accrual	Modified Accrual
Revenue Funds	The Revenue Funds account for all wastewater user charges billed to customers. User Charge proceeds are recorded in the Revenue Funds and allocated to the various other funds to cover operation and maintenance costs and capital improvement expenditures.	Modified Accrual	Modified Accrual
Stormwater and Operations, Maintenance and Construction Improvement Funds	These funds account for the proceeds from tax levies in the various subdistricts. These are primarily stormwater dedicated subdistrict assessments which fund projects, stormwater operations and maintenance specific to each subdistrict's geographic area. Effective in Fiscal Year 2017, tax levies for all OMCI subdistricts were suspended. Remaining fund balances will be used for maintenance and operation of facilities in the respective subdistricts until balances are depleted. However, in Fiscal Year 2021 Coldwater Creek Trunk Subdistrict, Maline Creek Trunk Subdistrict, Subdistrict No. 366 (University City Branch of River des Peres Stormwater Subdistrict), Subdistrict No. 367 (Deer Creek Stormwater Subdistrict) Subdistrict No. 369 (Sugar Creek Stormwater Subdistrict) and Subdistrict No. 454 (Seminary Branch of River des Peres) will reinstate the tax levies to provide funding for stormwater capital improvements.	Modified Accrual	Modified Accrual
Construction Funds	The Construction Funds are established to receive and disburse proceeds from revenue sources and restricted for construction of improvements to sewerage and drainage collection systems and treatment facilities. The Sanitary Replacement Fund is dedicated to sanitary projects.	Modified Accrual	Modified Accrual
Debt Service Funds	The Debt Service Funds are established for bond issues sold by the District. These funds provide for the accounting of receipt and disbursement of monies designated for payment of principal and interest and redemption of outstanding bond issues. A distinct fund is established for each of the District's bond issues.	Modified Accrual	Modified Accrual

## **BUDGET & FINANCIAL POLICIES (continued)**

<b><u>Fund Type/Fund Title</u></b>	<b><u>Purpose</u></b>	<b><u>Budgeting Basis</u></b>	<b><u>Accounting Basis</u></b>
<b>GOVERNMENTAL FUNDS (continued)</b>			
Special Funds	<p>The Special Funds are established to: 1) account for and report financial resources related to the proceeds of specific revenue sources designated for specific purposes, or 2) account for and report financial resources related to funds required to maintain a minimum balance. The District's current Special Funds consist of the following:</p> <ol style="list-style-type: none"> <li>1. Improvement Fund – to account for the cost of any improvements and special tax bills issued for any improvement.</li> <li>2. Water Backup Insurance and Reimbursement Fund – to account for customer water backup insurance claims resulting from over charged lines or blocked mains.</li> <li>3. General Insurance Fund – to be used to pay the cost of workers' compensation claims, property insurance, general liability, auto liability, flood insurance and all expenses (i.e. premiums, claims, claim expenses, claim recoveries and claim accruals) related to these coverages.</li> <li>4. Two Emergency Funds – to account for monies needed to address Wastewater and Stormwater emergencies. Such emergencies require immediate District response. Examples are sewer repairs and replacements to immediately address severe disruption in the operations and maintenance of the District, weather related disruption of District operations, and other disruptions of District services caused by dramatic unforeseen events.</li> </ol>	Modified Accrual	Modified Accrual
<b>PROPRIETARY FUNDS</b>			
Enterprise Funds	Account for operations financed and operated in a manner similar to the private sector. The District utilizes these funds to convert the accounting records from a modified accrual to an accrual basis. The District performs this conversion so that it may produce financial statements as a single enterprise fund.	These funds are not budgeted.	Accrual

## Strategic Business and Operation Plan Process (SBOP)

*An overarching consideration during this process is the District's ability to fund this plan within the constraints of the rate revenue and other financing sources as determined by the Rate Commission process.*



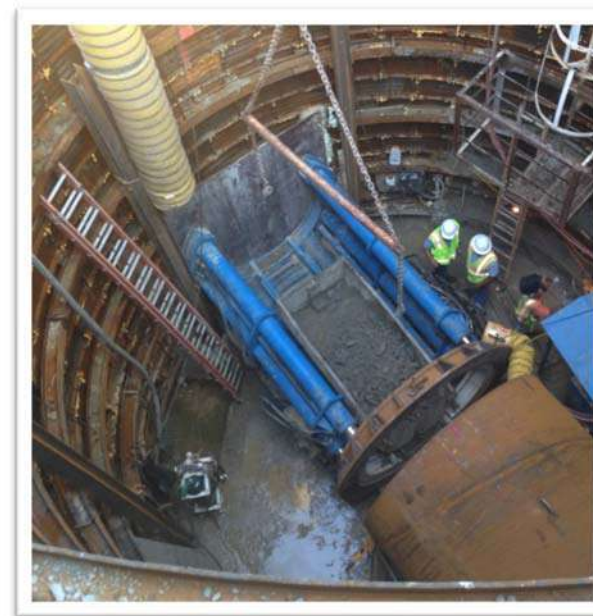
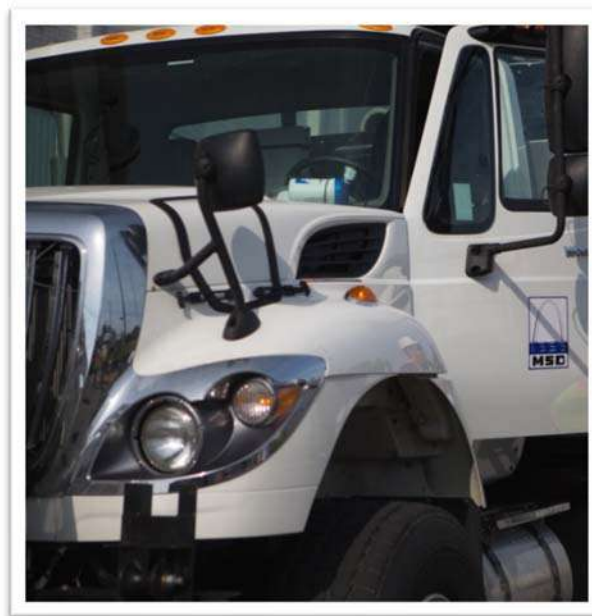




METROPOLITAN ST. LOUIS SEWER DISTRICT

# Strategic Business and Operating Plan Fiscal Years 2022-2026

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## VISION STATEMENT

- Quality Service Always

## MISSION STATEMENT

- To protect the public's health, safety, and water environment by responsibly providing wastewater and stormwater management

## VALUES

- **INTEGRITY**

Acting ethically at all times, treating everyone with honesty, fairness and respect.

- **TEAMWORK**

Working together to accomplish our mission with open communication, trust, respect and diversity.

- **INNOVATION**

Embracing continuous improvement and new solutions to achieve excellence and sustainability.

- **EMPLOYEES**

Developing successful, responsible, and safety conscious employees and acknowledging their contributions.

- **CUSTOMERS**

Building strong relationships by keeping our commitments, providing excellent service and being transparent in everything we do.

*Vision, Mission, Value statements are important elements of a strategic business plan. The Mission statement keeps the District focused on its essential activity, the Vision statement points to its ideal purpose, and the Value statement conveys the principles that must shape our actions.*

## STRATEGIC BUSINESS AND OPERATING PLAN

The Fiscal Year (FY) 2022 Strategic Business and Operating Plan (SBOP) is a business-focused blueprint for serving our ratepayers now and into the future. It is a plan that puts the ratepayers and the St. Louis community first. The SBOP's goals are clear:

- Deliver consistent, high quality customer service;
- Comply with all legal and regulatory requirements and schedules;
- Minimize customer rate increases; and
- Be accountable to the St. Louis community.

These goals build on the public input and feedback that the District has received since the first SBOP was introduced in 2001. While the FY 2022 goals may appear similar to the original set of goals, the underlying refinements and changes in these goals are significant. The FY 2022 SBOP is easily understood, the goals and resulting strategies are actionable, and the impact of the strategies is measurable. Additionally, the FY 2022 SBOP continues a philosophy that intimately links budgetary expenditures and strategic goals. Under this philosophy, the goals and strategies of the SBOP drive budgetary expenditures and succinctly support the SBOP's success. Further, the budgetary expenditures for the SBOP are business focused and ultimately serve the ratepayer.

To achieve these goals, the FY 2022 SBOP proposes six business-focused strategies:

### **Strategy 1: Inform, educate and partner to build stakeholder understanding.**

Essential to our success is an active dialog with stakeholders to improve mutual understanding of the needs of the District and its stakeholders. Education will focus on the District's goals, needs and initiatives. When possible, we will partner with stakeholders to achieve win-win solutions on common issues. Partnering will take many forms, including – but not restricted to – discussions with various stakeholder groups; District organized focus groups; employee participation in civic organizations; and regulatory advisory committees.

## **Strategy 2: Manage the District's costs and revenues to optimize financial impacts.**

The District continues to face increasing fiscal demands related to regulatory issues affecting its collection and treatment systems. In response to these demands, the District is continuing its important work to protect local waterways, ensure compliance with State and Federal environmental regulations, and provide effective, efficient wastewater and stormwater services to the St. Louis community. This work continues in the form of Project Clear, which includes the District's multi-decade, multi-billion dollar Capital Improvement and Replacement Program (CIRP). It is essential the District diligently manage costs and minimize rate increases. Sound financial management, long-term planning, internal audit practices, and leveraging of data are critical components of this strategy.

## **Strategy 3: Integrate and improve the District's business processes.**

Not accepting the status quo as justification for current and future business practices, and continually reviewing best practices amongst contemporaries are cultural imperatives for continual improvement. The goal of this initiative focuses on identifying and implementing process improvements that will enable the District to meet or exceed established performance, production and customer satisfaction goals.

## **Strategy 4: Promote appropriate standards through proactive regulatory and legislative involvement.**

The most significant factors affecting current and future rate increases are federal and state regulations and legislation. It is often the case that implementation of multiple regulations compete for the same, scarce funding resources. As authorities in wastewater and stormwater management, it is essential that we assist in the creation of regulations that will efficiently achieve desired results. This strategy focuses on our involvement in the formation of regulations and legislation that impact all areas of the District's operations. It is crucial that regulations and legislation be based on sound technical information and governance frameworks. The District and others in the regulated community are in the best position to provide such information.

### **Strategy 5: Address customer and regulatory needs through a comprehensive infrastructure management program.**

Maintaining customer service expectations and meeting regulatory requirements are paramount concerns within the District's mission. However, these must be balanced against the need to cost effectively maintain the District's wastewater, stormwater, and supporting assets, including data and information technology security. This can only be achieved through investigation, planning, maintenance and capital replacement programs with continual consideration for emerging technology. A model infrastructure management program effectively integrates these processes while considering risk and required service levels. The resulting program minimizes the life-cycle costs of infrastructure assets at an acceptable level of risk, while continually delivering established levels of service.

### **Strategy 6: Create a learning and business oriented culture based on competency and accountability.**

The District's success is dependent upon employees having appropriate competencies and skills within a culture of accountability: a culture that is rooted in ethical integrity and seeks a balance between effectiveness, efficiency and cost management. Improving employee and organizational performance at all levels is the core of this strategy. Special emphasis will be placed on leadership development, management/supervisory skill training, open communications, general operational and administrative needs, and building awareness of individual employee's role in the success of the overall organization.

## **FISCAL YEAR 2022 OBJECTIVES**

The District has developed a set of specific objectives that support these strategies and, thus, achieve the goals of the Strategic Business and Operating Plan. Objectives are segmented into "Year 1", "Year 2" and "Years 3-5" categories. Combined, these objectives make up the tactical blueprint that we will engage in during FY 2022 and beyond, as we strive to protect the public's health, safety and water environment by responsibly providing wastewater and stormwater management.

## **FULL STRATEGIC BUSINESS PLAN**

**For more detailed information with regards to the Strategic Business Plan use the link below:**

<https://portal.laserfiche.com/Portal/DocView.aspx?id=7280642&repo=r-a96260ce>

**STRATEGIC BUSINESS AND OPERATING PLAN**  
**FISCAL YEARS 2022 - 2026 OBJECTIVES**

Strategy	Obj	Description	DEPARTMENTS IMPACTED										FY22				Years of Additional Milestones			
			Engineering	Executive Director	Finance	General Counsel	Human Resources	Information Technology	Operations	Secretary Treasurer	Q1	Q2	Q3	Q4	2023	2024	2025	2026		
1		Inform, educate and partner to build stakeholder understanding.																		
	1.	Execute community outreach programs and engagement programs.		★																
	2.	Execute outreach programs for elected representatives and other municipal officials.				★														
	3.	Execute diversity and associated outreach programs.		★																
2		Manage the District's costs and revenues to optimize financial impacts.																		
	1.	Increase collection of delinquent revenue.				★														
	2.	Identify and implement cost savings initiatives.				★														
	3.	Maximize long-term financial plans for District needs.				★														
3		Integrate and improve the District's business processes.																		
	1.	Implement Information Governance Program that meets the District's Records & Information Discovery, Compliance and Information Security Policies.																		
	2.	Integrate asset information across systems (Oracle, Maximo and GIS)				★														
	3.	Oracle EBS upgrade.																		
	4.	Mobile technology strategy.																		
	5.	CIS System Replacement				★														
4		Promote appropriate standards through proactive regulatory and legislative involvement.																		
	1.	Participate in stakeholder groups to develop sound technical basis for regulatory issues.		★																
	2.	Promote appropriate regulatory and legislative initiatives that impact all areas of district operations.		★																
5		Address customer and regulatory needs through a comprehensive infrastructure management program.																		
	1.	Implement stormwater operating and capital improvement program.		★																
	2.	Implement wastewater operating and capital improvement program.		★																
	3.	Implement Asset Management Program.																		
	4.	Enhance reliability of Information Technology infrastructure.																		
	5.	Implement technologies and data driven solutions to reduce capital costs and increase utility performance.																		
6		Create a learning and business-oriented culture based on competency and accountability.																		
	1.	Increase organizational performance through improved communications.																		
	2.	Improve organizational effectiveness through leadership development and succession management.																		
	3.	Increase individual accountability and job satisfaction through continual performance coaching.																		
	4.	Restructure a recruitment strategy that promotes and retains a talented and diversified workforce.																		
	5.	"Show Me MSD" - business partnership to meet the needs of the communities that support them.																		
	6.	Implement safety and security training to support training to support a safe work environment.																		

★ Indicates Department Lead for Objective



Note: Refer to Department Budgets for additional details



**Strategic Plan FY22 Business Case Summary of Incremental Budget Dollars**

	02530 - Talent Development	Human Resources Department Total	04510 - Information Technology Administration	04550 - Business Technology	Information Technology Department Total	08030 - Planning	Engineering Department Total	GrandTotal
<b>Description</b>	Increase preventative measures for the safety of our Field Utility Crews with private contracted law enforcement security services, while performing services to communities in high risk areas of crime.		Reduction in cyber risk level for the district and minimization of impact if/when a cyber security attack occurs. Prevention of ransomware attacks and data breach of employee data.	Consumer outreach and communication applications developed to provide project updates, 'working in the area' notices and other proactive messages.		Assists MSD in implementing monetized prioritization of CIRP funds for the District's linear assets. Ensures the tens of millions of dollars invested into asset management is focused on the highest priority assets. As a result of rehabbing assets likely to fail, will result in reduced emergency repairs.		
<b>Strategy</b>	6. Create a Learning and Business-Oriented Culture Based on Competency and Accountability		5. Address Customer and Regulatory needs through a Comprehensive Infrastructure Management Program			5. Address Customer and Regulatory needs through a Comprehensive Infrastructure Management Program		
<b>Objective</b>	6. Implement safety and security training to support safe work environment		4. Enhance reliability of information technology infrastructure			3. Implement asset management program		
51011 Regular Salaries	-	-	\$75,900	-	\$75,900	-	-	\$75,900
51210 FICA Taxes	-	-	5,808	-	5,808	-	-	5,808
51221 Health Insurance	-	-	20,800	-	20,800	-	-	20,800
51222 Dental Insurance	-	-	240	-	240	-	-	240
51223 Life Insurance	-	-	156	-	156	-	-	156
51224 Disability	-	-	392	-	392	-	-	392
51225 Vision	-	-	200	-	200	-	-	200
Contribution Plan	-	-	15,600	-	15,600	-	-	15,600
52330 Computer Supplies	-	-	-	-	0	150,000	150,000	150,000
54140 Training Programs/Seminar Fees	-	-	-	-	0	1,700	1,700	1,700
54510 Temporary Help (Contracted)	-	-	-	-	0	-	-	0
54520 Professional Service	-	-	-	195,000	195,000	10,000	10,000	205,000
54530 Building Repairs & Services	475,200	475,200	-	-	0	-	-	475,200
<b>Total Incremental</b>	\$475,200	\$475,200	\$119,096	\$195,000	\$314,096	\$161,700	\$161,700	\$950,996
<b>FTE Impact</b>	-	-	1	-	1	-	-	1

**STRATEGIC BUSINESS AND OPERATING PLAN  
FY20 OBJECTIVES AND ACCOMPLISHMENTS**

Strategy	Obj	Description	DEPARTMENTS IMPACTED							Secretary Treasurer	Objectives % Completed
			Engineering	Executive Director	Finance	General Counsel	Human Resources	Information Technology	Operations		
1		Educate and Partner with Stakeholders to Build Support									
	1.	Execute Community Outreach Programs		★							45%
	2.	Execute Outreach Programs for Elected Representatives and Other Municipal Officials				★					50%
	3.	Execute Diversity and Outreach Programs		★							0%
2		Manage the District's Costs and Revenues to Optimize Financial Impacts									
	1.	Increase Collection of Delinquent Revenue			★						60%
	2.	Identify and Implement Cost Savings Initiatives			★						50%
	3.	Maximize Long-Term Financing Plans for District Needs							★		86%
3		Integrate and Improve the District's Business Processes									
	1.	Implement Regional Development Review/Permitting Business Process improvements	★								100%
	2.	Implement Information Governance Program That Meets the District's Records & Information Discovery, Compliance and Information Security Policies							★		90%
	3.	Integrate Asset Information Across Systems (Oracle, Maximo and GIS)			★						40%
	4.	Implement Updated Laboratory Information management System (LIMS)	★								100%
4		Promote Appropriate Standards Through Proactive Regulatory and Legislative Involvement									
	1.	Participate in Stakeholder Groups to Develop Sound Technical Basis for Regulatory Issues	★								100%
	2.	Promote Appropriate Regulatory and Legislative Initiatives that Impact All Areas of District Operations	★								100%
5		Address Customer and Regulatory Needs Through a Comprehensive Infrastructure Management Program									
	1.	Implement Stormwater Operating and Capital Improvement Program	★								100%
	2.	Implement Wastewater Operating and Capital Improvement Program	★								100%
	3.	Implement Asset Management Program							★		60%
	4.	Enhance Reliability of Information Technology Infrastructure						★			80%
6		Create a Learning and Business-Oriented Culture Based on Competency and Accountability									
	1.	Increase Organizational Performance through Improved Communications					★				75%
	2.	Improve Organizational Effectiveness through Leadership Development					★				50%
	3.	Increase Individual Accountability and Job Satisfaction Through Continual Performance Coaching and Training					★				75%

★ Indicates Department Lead for Objective  
0%-25% of goal completed  
26%-75% of goal completed  
76%-100% of goal completed  
Eliminated

**Note:** Refer to Department Budgets for additional details

**METROPOLITAN ST. LOUIS SEWER DISTRICT  
PERFORMANCE SCORECARD**

As of June 30, 2020

Category	Subject	FY18 Performance	FY19 Performance	FY20 Goal	FY20 Performance	FY21 Goal	
Customer Service	Overall Quality of Service	8.1	8.0	8.0	8.0	8.0	
	On-Time Emergency Response (1)	92%	89%	≥ 90%	82%	≥ 90%	Operations
Mission	Treatment Plant Compliance Rate (2)	99%	100%	100%	99.9%	100%	Operations
	Sewer Overflows-Dry Weather	160/Year	267.00	<162 annually (2.5 per 100 miles of pipe)	177	<162 annually (2.5 per 100 miles of pipe)	Operations
	Maintenance Related Backups	223/Year	286.00	<424 annually (<1 in 1000 customers)	296.00	<424 annually (<1 in 1000 customers)	Operations
	CIRP Schedule Compliance (3)	82%	83%	≥80%	77%	≥80%	Engineering
Financial	CIRP Budget Performance (4)	87%	82%	≥95%	78%	≥95%	Engineering
	Non-Capital Competitive Purchasing (5)	99%	99%	95.0%	99%	95.0%	Finance

**Note: (1)** Performance is measured by 4-hour window for emergency response. If our response time is longer than 4 hours we do not meet our goal.

Our compliance rate is measured against the requirements outlined in our NPDES Permits which are issued by the Department of Natural Resources. The permits have a number of measurements that we must do to insure our treatment plants are in compliance. There are hundreds of tests we must perform on daily, weekly, and monthly basis throughout the year. Our goal is



**Note: (2)** 100% compliance. If we fail a test for some reason, it lowers our percentage.

The planned Board Introduction month for each project in the CIRP is locked in June of the previous fiscal year. Performance is then measured by % of projects that were included on the Board

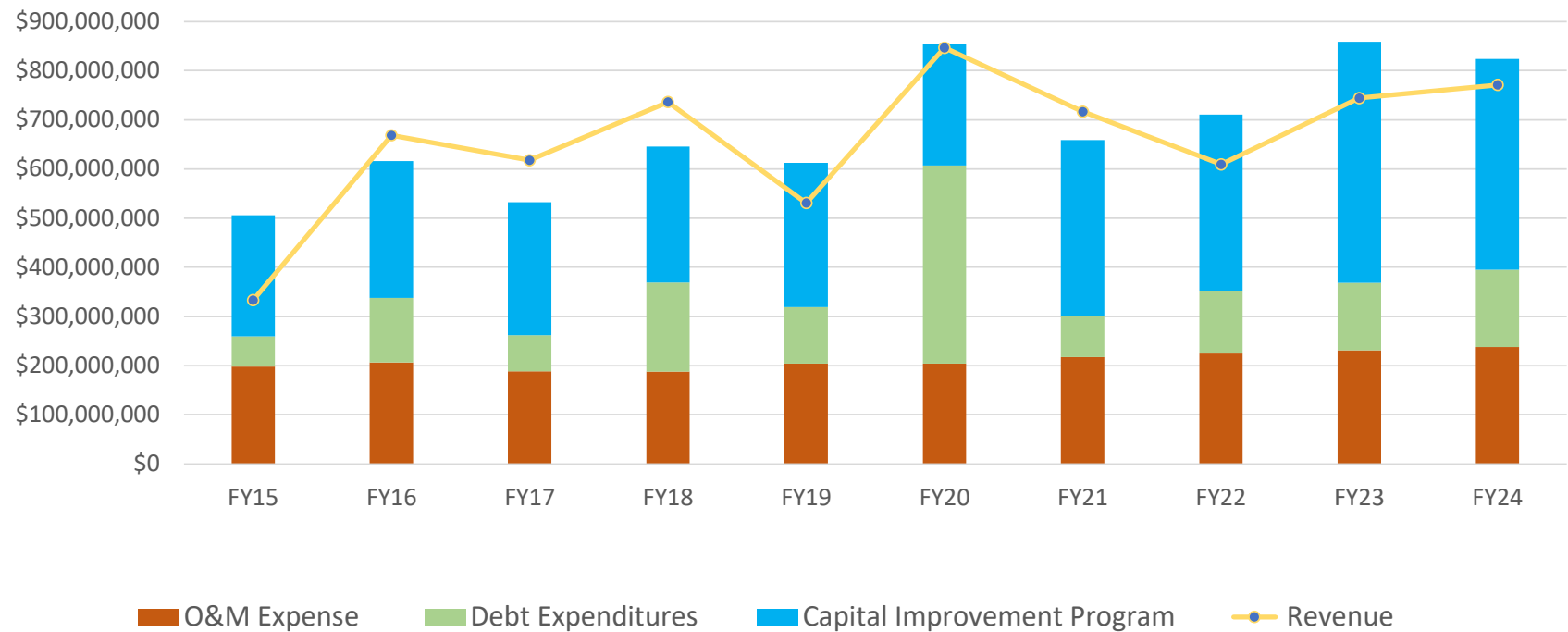
**Note: (3)** agenda for introduction by that date (on time or earlier).

**Note: (4)** Total appropriations vs. budgets for the projects scheduled each month per the Board Introduction Schedule.

**Note: (5)** Competitive vs. Non Competitive Spend as a Percentage of Total Year to Date at June 30.

 Performance Meets or Exceeds FY20 Goal  
 Performance Does Not Meet FY20 Goal

### 10 Years of Revenues and Expenses



## **BUDGET PROCESS FY22**

The District's SBOP is the key to the development of the Annual Budget. The SBOP process begins in July when all Departments are given the opportunity to reassess goals, strategies and objectives and the means for accomplishing them. The budget serves as the tool to communicate the District's long-term plans and policies to the public, details the costs of services and programs and becomes the plan to accomplish the District's goals and objectives during the next fiscal year.

The budget process begins in early October with the projection of revenues (wastewater and stormwater user charges, investment & other income). District-wide imperatives and budgetary parameters are established by Executive Management and The Board of Trustees ("The Board"). The imperatives for this fiscal year include:

<b>IMPERATIVES FOR FY22</b>	<b>STRATEGIC BUSINESS PLAN</b>	
	<b>STRATEGY</b>	<b>OBJECTIVE</b>
Assume all coronavirus pandemic restrictions and provisions remain in place through the end of calendar year 2021.	2	2
As part of budget submittal and after discussion with the Executive Director, each Department will indicate which vacant positions are to be eliminated.	2	2
No planned acceleration of Consent Decree projects. Acceleration of any projects during fiscal year only allowed after fiscal review by senior management.	5	2
All business cases will also require extended justification as to why new initiatives need to be done this year and cannot wait until future budget requests.	2	2

Department Directors and Managers begin budget development by providing an updated expenditure forecast for the remainder of FY21. A two step, zero-based budgeting method is used to develop the FY22 budget. This method requires written justification as to need and purpose for all expenditures. The first step is the preparation of a base budget that reflects the ongoing day-to-day operations of each Department. The second step is the preparation of an incremental budget, which reflects costs associated with initiatives outlined in the SBOP. Throughout the budget development process, departmental staff is required to evaluate programs and identify possible changes in services and staff positions. The Department Directors forward their proposed base budgets to the Director of Finance for analysis. Cost benefit business cases to support incremental budgets are submitted to the Executive Director for review. The base budgets and requests for incremental funding are then compiled and further analyzed to ensure the preliminary budget meets the District's needs, priorities, goals and objectives without exceeding forecasted resources.

Any unresolved issues are presented to the Executive Director for a final decision. The recommended budget reductions and adjustments are then incorporated. Per Charter a preliminary budget is delivered to the Board for review by March 15<sup>th</sup>. A series of budget presentations are given to the Board's Finance Committee to allow for more in-depth review by the Trustees.

## **BUDGET PROCESS FY22-continued**

The Board's recommended budget adjustments are then incorporated into a final budget document. A proposed financial plan and an Executive Summary of the budget are communicated to the general public in the form of a public hearing. The public hearing is advertised in the newspapers at least three weeks before the scheduled hearing in order to allow sufficient time for the public to review and ask questions. The Board is then required to adopt the budget, tax and rate ordinances (if applicable) consistent with the District's Charter and state law.

The District's fiscal year begins on July 1st. Departments are accountable for budgetary control throughout the fiscal year. Expenditure patterns are examined and compared to budget plans with variances reported. Responses to significant variances are required quarterly from each Department and reviewed by the Director of Finance. Budget status is reviewed with senior staff monthly and is reported quarterly to The Board at its monthly Finance Committee meeting. The Director of Finance reviews the District's monthly financial statements and budget variance report ensuring the District's actual revenue is sufficient to support budgeted expenditures. Forecasted expenses are also compared to budget. The District's operating budget is adopted at the Department level as detailed in the District's Budget Ordinance. Any transfers between Funds require Board approval. Budget transfers are made on an as-needed basis.

Expenditures for the CIRP are presented on an appropriated basis as opposed to a cash flow basis. The District's accounting procedures require an adequate budget to pay for planned Ordinances in the period in which an Ordinance is appropriated. All outstanding CIRP encumbrances remain open until a project is completed.

There were no major changes from FY21 compared to FY22 in service levels, wastewater user charges, revenue bonds, fees, or taxes.

A budget is developed for both revenues and expenses:

1. Revenue expectations are developed from trend analysis, incorporating upcoming rate increases and significant economic and policy factors.

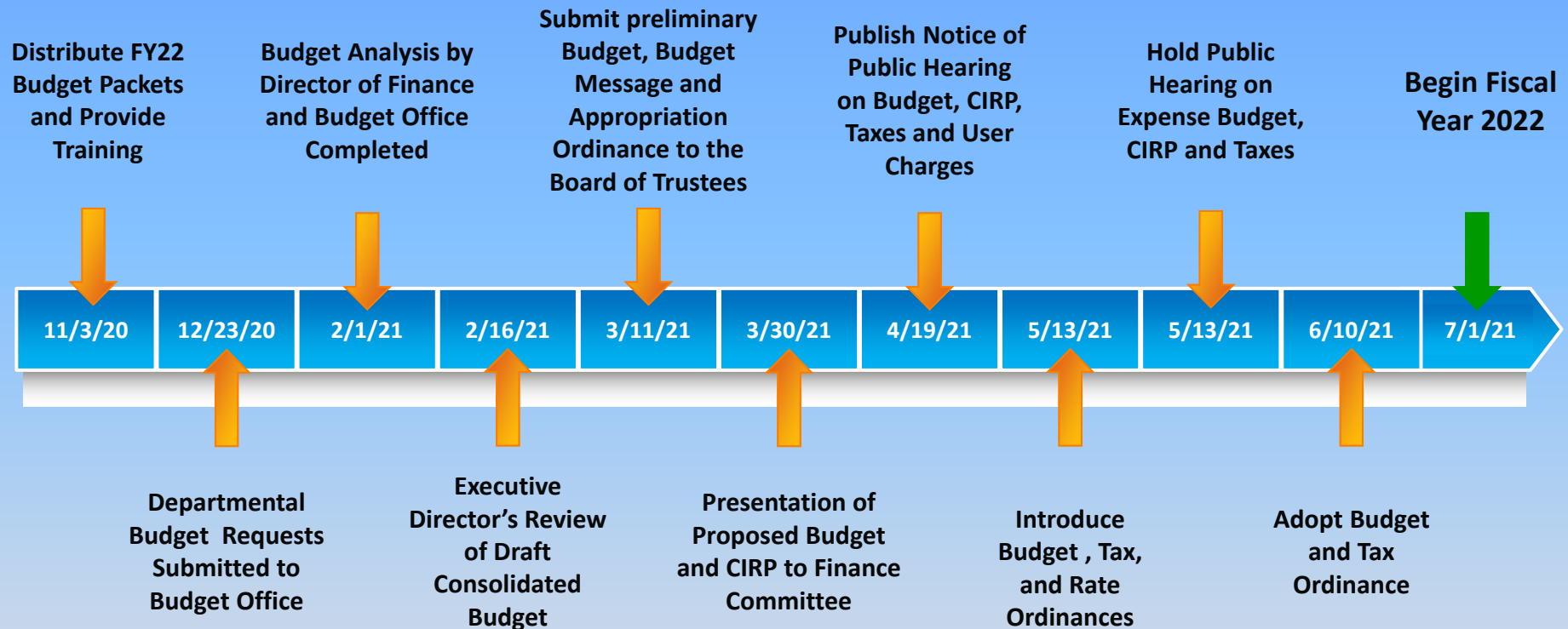
FY22 Total Revenue: (shown in million \$)	
Wastewater User Charges:	\$436.9
Revenue Bonds:	119.0
Taxes:	43.2
Investment and Other Income:	10.4
Use of Fund Balances:	<u>101.5</u>
TOTAL DISTRICT REVENUE:	\$711.0

2. Operating Expenses are developed using a zero-based budgeting method with written justification for all expenditures. The CIRP is developed by the District's Engineering Department based on the revenues forecasted for the coming year. Projects prioritized for the coming year are outlined in a supplemental report in conjunction with the Operating Budget. Debt service for the District's existing and forecasted use of bonds is developed by the District's Secretary-Treasurer's Department and incorporated into the Operating Budget. Analysis is completed through the budget process to consider the Rate Commission Report, accepted by the Board of Trustees, which provides a four-year rate cycle from FY21 through FY24. During the process expenses take into consideration economic factors, one-time expenditures within the years, changes in demand, seasonal or functional cycles, and events that impact the industry and local area.

FY22 Total Expense: (shown in million \$)	
Operating Budget:	\$224.3
CIRP:	359.4
Debt Service:	<u>127.3</u>
TOTAL DISTRICT EXPENSES:	\$711.0



# MSD Calendar for Fiscal Year 2022 Budget Development



# Summary of Changes from Preliminary Budget Book

Shown in Millions of Dollars					
	Preliminary Budget Book	Net Change	Finance Committee March 31st Planned Changes	Changes	Final Budget
<u>FY22 Total Revenue:</u>					
Wastewater User Charges	\$ 436.9	\$ -	\$ 436.9		436.9
Revenue Bonds	119.0	-	119.0		119.0
Taxes	43.0	-	43.0	0.2	43.2
Investment and Other Income	10.4	-	10.4		10.4
Use of Fund Balances	106.6	(0.2)	106.4	(4.9)	101.5
<b>Total District Revenue</b>	<b>\$ 715.9</b>	<b>\$ (0.2)</b>	<b>\$ 715.7</b>	<b>\$ (4.7)</b>	<b>711.0</b>
<u>FY22 Total Expense:</u>					
Operating Budget	\$ 230.9	\$ (6.6)	\$ 224.3		\$ 224.3
CIRP	357.7	6.4	364.1	(4.7)	359.4
Debt Service	127.3	-	127.3	-	127.3
<b>Total District Expenses</b>	<b>\$ 715.9</b>	<b>\$ (0.2)</b>	<b>\$ 715.7</b>	<b>\$ (4.7)</b>	<b>\$ 711.0</b>

Changes presented to the Finance Committee on March 31<sup>st</sup>, 2021 included the \$6.6 million change in the operating budget consisted primarily of the Oracle System Project (\$3.5M) being moved to the Capital Budget and a reduction of \$1.8M in Pension Contributions.

Additional changes since the Finance Committee included estimated taxes amounts and a reduction in CIRP.

## FY22 CIRP Revised Program Summary

Type of Project	Number			Budget		
	Preliminary	Revised	Change	Preliminary	Revised	Change
Wastewater Engineering	65	67	2	\$ 47.6	\$ 47.3	\$ (0)
Wastewater Construction	56	53	-3	\$ 282.0	\$ 282.0	(0)
Stormwater Engineering	4	4	0	\$ 1.4	\$ 1.4	-
Stormwater Construction	18	16	-2	\$ 16.4	\$ 14.5	(2)
<b>New Project Appropriations</b>						
<b>Subtotal:</b>	<b>143</b>	<b>140</b>	<b>-3</b>	<b>\$ 347.4</b>	<b>\$ 345.2</b>	<b>\$ (2)</b>
Wastewater Continued	3	2	-1	\$ 9.5	\$ 7.3	\$ (2)
Stormwater Continued	2	2	0	\$ 0.8	\$ 0.4	(0)
<b>Continued Project Appropriations</b>						
<b>Subtotal:</b>	<b>5</b>	<b>4</b>	<b>-1</b>	<b>\$ 10.3</b>	<b>\$ 7.7</b>	<b>\$ (3)</b>
<b>Project Appropriation Totals:</b>	<b>148</b>	<b>144</b>	<b>-4</b>	<b>\$ 357.7</b>	<b>\$ 352.9</b>	<b>\$ (5)</b>

The above does not include the General Fund Project of \$6.4 Million dollars for grand total of \$359.4 million.

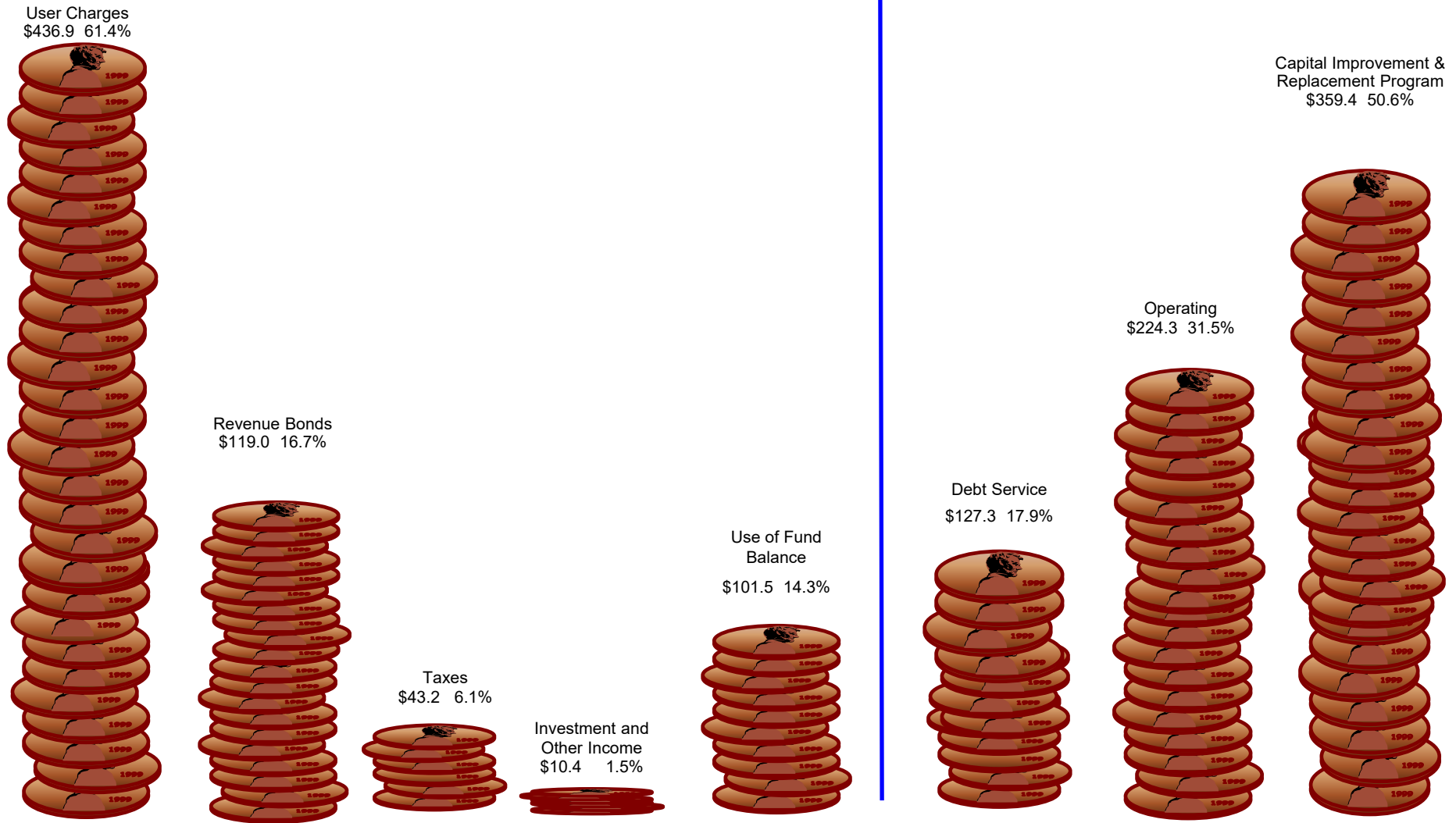
# Sources and Uses of Funding

TOTAL FY22 BUDGET \$711.0

\$s in millions

Where does the  
money come from?

Where does the  
money go?



## **FY22 SOURCES OF FUNDING**

### **USER CHARGES**

The District has a Wastewater User Charge which is recorded in the Wastewater Revenue Fund. A portion of the revenue is transferred to the General Fund to cover daily operating, maintenance and replacement costs; a portion is allocated to the Water Backup Insurance and Reimbursement Fund to provide assistance to homeowners with damages resulting from blocked main and basement backups, a portion is allocated to the General Insurance Fund to provide for workers' compensation, property, general liability and other insurance expenditures, and a portion is allocated to the Debt Service Funds to meet debt service requirements on outstanding bonds issued for capital improvements. The remainder of the revenue is transferred to the Capital Improvement and Replacement Fund for construction projects and emergencies. A chart detailing the flow of funds is also included in the following pages of the Budget Summary section.

**Wastewater:** Residential customers with metered water service will pay a billing and collection charge, a system availability charge and a volume charge based on the most recent winter quarter water usage. Unmetered customers will pay the same charges with the exception of a volume charge. Unmetered volume is based on housing attributes such as the number of rooms and plumbing fixtures.

Non-residential customers will pay the same charges plus an additional compliance charge. Some non-residential customers will pay extra strength surcharges for the treatment of wastewater containing suspended solids, biochemical oxygen demand or chemical oxygen demand exceeding normal wastewater strengths.

User Charges in the Wastewater Revenue Fund for FY22 is estimated at \$436.6 million.

## **FY22 SOURCES OF FUNDING-continued**

**Other User Charges:** Other User Charge revenue such as Late Fees, Lien Interest, Refunds and Account Adjustments are estimated to be \$0.3 million. This amount is net of a provision for doubtful accounts, or past-due customer bills that might go uncollected.

**TOTAL WASTEWATER USER CHARGE REVENUE:** The District's total FY21 User Charge revenue is estimated to be \$436.9 million.

The District provides an assistance program to customers who meet the eligibility requirements of income, age or disability. Those customers who are eligible will receive a credit equal to 50% of their sewer service charge bill. A composite schedule of the budgeted Wastewater and Stormwater user charge revenue by customer class can be found in the pages of the Revenue Funds Section.

## **REVENUE BONDS**

The District plans to receive approximately \$119.0 million in bond and loan proceeds in FY22 to be used for capital improvement projects. These proceeds are expected to be derived from the State of Missouri SRF direct loan program.

Prior to a November 2000 Charter change, the District was unable to issue revenue bonds as a source of funding its CIRP. Almost all of the District's capital expenditures were funded from annual cash flow, known as Pay-As-You-Go (PAYGO) funding. Continuation of a PAYGO approach as the District's sole funding option would have required significant rate increases to generate the necessary annual capital funding. PAYGO is the lowest cost funding source due to its avoidance of the financing and interest costs associated with long term debt. The primary negatives associated with PAYGO funding include: 1) the short-term impact on customer rates, and 2) the mismatch between the cost and benefit of the District's capital infrastructure to the users. In the case of capital projects that have a long-life expectancy, PAYGO funding causes today's customers to pay for an asset that will be used by tomorrow's customers for many years. Financing a portion of the capital program with bonds is an excellent way to distribute the cost of long-term assets to the future customers who will benefit from the use of the assets and lessen the impact of short-term rate increases.

It is typically considered good public policy to allocate a portion of the cost of long-term assets to future users by the use of debt. At the same time, prudent fiscal policy would not allow 100% debt financing. The goal is to strike the correct balance between the distribution of the cost of long-term assets to the users that benefit from them and maintaining healthy financial ratios.



## **FY22 SOURCES OF FUNDING-continued**

### **AD VALOREM TAXES**

The District's budget for tax revenue in FY22 totals \$43.2 million. During FY22 all taxpayers within the District's boundaries will be assessed a \$0.0166 (one point sixty-six cents) per \$100 of assessed valuation tax levy to pay primarily for stormwater services required by State and Federal regulations. Except for taxpayers living in certain levy districts, all taxpayers within the District will also be assessed a \$0.0872 (eight point seventy-two cents) per \$100 of assessed valuation tax levy to pay for the District's non-regulatory stormwater costs. This tax revenue of approximately \$35.1 million is recorded in the Stormwater Regulatory Fund (\$5,744,132) and the Districtwide Stormwater Fund (\$29,320,935) of the District.

Other property tax rates were suspended within the District's boundaries beginning in FY17. All subdistrict taxes previously collected within these boundaries are held in the OMCI fund balances and must be used primarily for stormwater capital improvements and stormwater operating expenses within the specific subdistrict boundaries in which the taxes were collected. However, in FY21 the District reinstated six of the tax levies totaling \$8 million in FY22 to provide funding for stormwater capital projects for Coldwater Creek Trunk Subdistrict in the amount of \$2.0 million, Maline Creek Trunk Subdistrict in the amount of \$0.7 million, Subdistrict No. 366 (University City Branch of River des Peres Stormwater Subdistrict) in the amount of \$1.0 million, Subdistrict No. 367 (Deer Creek Stormwater Subdistrict) in the amount of \$3.9 million, Subdistrict No. 369 (Sugar Creek Stormwater Subdistrict) in the amount of \$0.3 million, and Subdistrict No. 454 (Seminary Branch of River des Peres) in the amount of \$0.3 million. The detailed taxes rates are included in the tax ordinance section.

## **FY22 SOURCES OF FUNDING-continued**

### **INVESTMENT INCOME & OTHER FEES**

Investment Income and Other Fees will fund \$10.4 million of the Budget. Investment income of approximately \$3.6 million is anticipated. Connection fees are expected to generate \$3.0 million based on a flat rate per connection to the sanitary system. These revenue estimates are based on previous experience, current economic conditions and anticipated new home construction. Miscellaneous income of approximately \$3.2 million is expected, comprised mostly of \$1.4 million for grant revenue (discussed below), \$1.1 million relating to court awarded court costs and attorney fees, \$236 thousand pertaining to forfeited construction deposits, reimbursement of district costs totaling \$152 thousand and the remainder consists of \$277 thousand of miscellaneous income. Rental income is expected to generate \$311 thousand. Finally, \$202 thousand is expected to be generated from the sale of property.

### **GRANT INCOME**

Grant income of \$1.4 million is anticipated during FY22 for 2020 State Stormwater Grants reimbursement from Missouri Department of Natural Resources. These dollars are included in the Investment Income & Other Fees Category

In the past, large Federal grants were available to help defray the cost of major clean water projects. Currently, however, the Federal government has decided to leave the funding of these projects primarily to the local users of the system. The District will continue to aggressively pursue all possible grant opportunities.

### **FUND BALANCES**

These sources of funding will result in a fund balance decrease of \$101.5 million during FY22.

# Sources of Funding

FY22

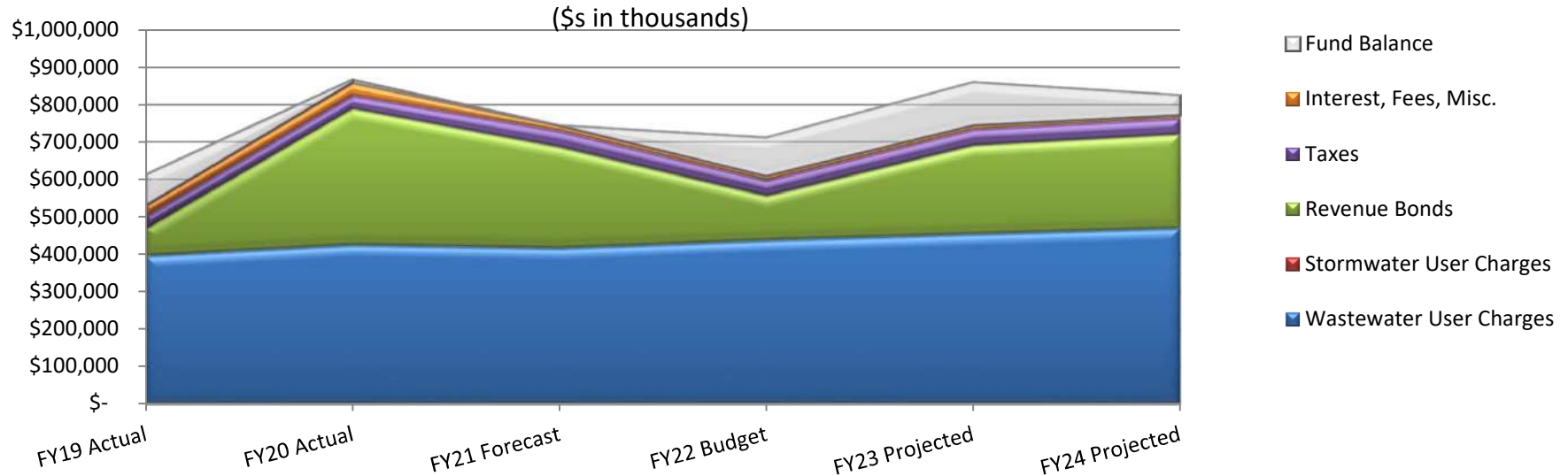
(\$s in millions)

	Operating	Debt Service	Capital Improvement & Replacement Program	TOTAL
Wastewater User Charges (1)	\$202.3	\$126.5	\$108.1	\$436.9
Revenue Bonds	0.0	0.0	119.0	119.0
Taxes	22.1	0.0	21.1	43.2
Investment Income & Other	4.9	0.5	5.0	10.4
Fund Balances	(5.0)	0.3	106.2	101.5
<b>TOTAL</b>	<b>\$224.3</b>	<b>\$127.3</b>	<b>\$359.4</b>	<b>\$711.0</b>

(1) Includes sewer service charges from the Wastewater Revenue Fund net of the bad debt provision and late charges from the General Fund.

## CONSOLIDATED REVENUE SOURCES

### Revenue Trends



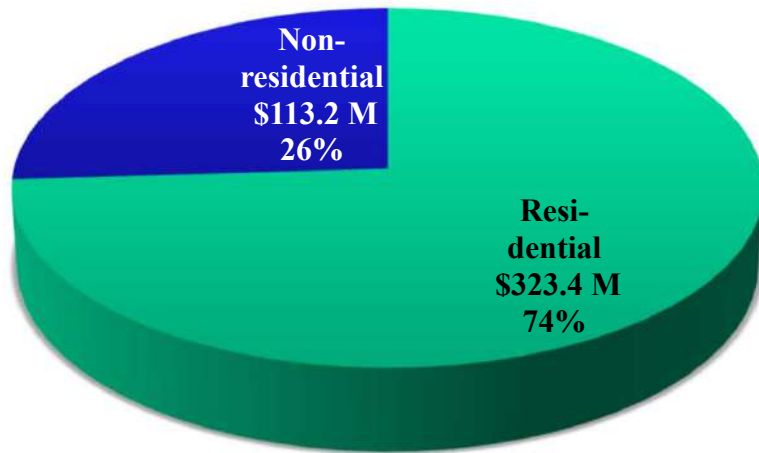
This analysis of MSD's revenue compares actual revenues received in FY19 and FY20, forecasted for FY21, budgeted for FY22 and projected for FY23 and FY24. The District normally submits a Rate Change Proposal to the Rate Commission every four years. The analysis required to complete this proposal includes impacts of historical trends, the local economy, housing development and projected inflation factors. A Rate Commission Report, accepted by the Board of Trustees, recommended a four-year Wastewater User Charge rate with annual increases from FY21 through FY24. Revenue growth from rate increases has been mitigated by a declining trend in billed volumes resulting in a compounded annual wastewater revenue growth rate of approximately 4% from FY19 to FY24. Taxes which fund MSD's stormwater services fluctuate little from year-to-year and are expected to be approximately \$43.2 million in FY22.

In April 2016, the voters approved the authorization of \$900 million in bonds. The District continues to utilize that authorization with \$353 million remaining at the end of FY21, and voters approved another \$500 million authorization in April 2021. During FY19, bond proceeds were intentionally reduced in comparison to previous years in favor of utilizing available fund balance to fund a large portion of the Capital Improvement and Replacement Program (CIRP). In FY20, bond proceeds of \$352 million were utilized against the April 2016 authorization. Planned issuances in FY21 - FY24 will further utilize the April 2016 and portion of April 2021 authorizations. It is estimated an authorization of \$188 million will remain after FY24 and will fund a portion of the future projects as part of the multi-decade CIRP. The proposed bond proceeds take into consideration the required CIRP, the cost of issuance, and the rate of return.

Interest, fees, and miscellaneous includes interest on investments, connection and other fees. The impact of these revenue sources does not change significantly in most years. Finally, Fund Balance appears on the graph as a revenue source in years where fund balance declines as it is used to fund operations, debt service, or the CIRP.

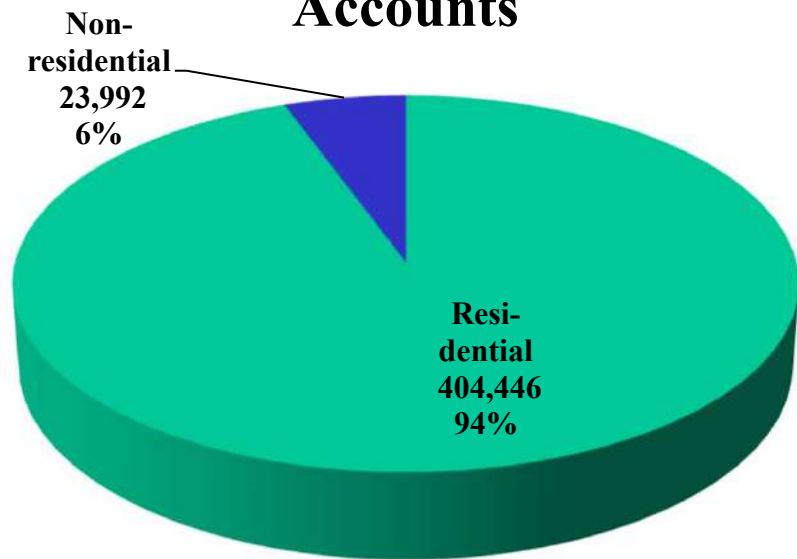
# Wastewater User Charges FY22

## Revenue



**Total Revenue \$436.6 M**

## Accounts



**Total Accounts 428,438**

This chart shows the distribution of revenue and accounts expected to be billed between residential and non-residential accounts. The smaller class of accounts (non-residential) contributes a proportionately greater amount of the user charge revenues.

## **FY22 MSD FLOW OF USER CHARGE FUNDS**

MSD has two separate and distinct self-supporting services: wastewater service and stormwater service. In order to recover the cost of providing these services in a fair and equitable manner, there are two distinct pricing methods. The wastewater service charge is based on the volume and strength of wastewater discharged into the sewer. The stormwater services are paid for with ad valorem taxes instead of a user charge.

Wastewater User Charges are recorded in the Wastewater Revenue Fund. The details of the Wastewater revenue can be found in the revenue section of this document. The entire balance of this fund is transferred each month to other function-specific funds. From the Wastewater Revenue Fund, the largest amounts are allocated to the General Fund for the operation and maintenance of existing facilities and the Sanitary Replacement Fund for the replacement of existing facilities. Smaller amounts are transferred to the Wastewater Emergency Fund to cover the cost of emergency work that may occur during this fiscal year, the Water Backup Insurance & Reimbursement Fund to cover the cost of water backup insurance and reimbursement, the General Insurance Fund to cover the cost of all other insurance premiums and related costs, and the Debt Service Fund to cover the cost of principal and interest on revenue bonds.

The overall budget for the General Fund, whose resources are only partially made up of the sewer service charge allocation from the revenue fund, can be found in the General Fund section.

The proposed budget for the Sanitary Replacement Fund can be found in the Construction Funds section. The revenue derived from the applicable user charge is listed as an Interfund Transfer in the column labeled FY22 BUDGET. The pages immediately following the table show the projects currently planned for that fund.

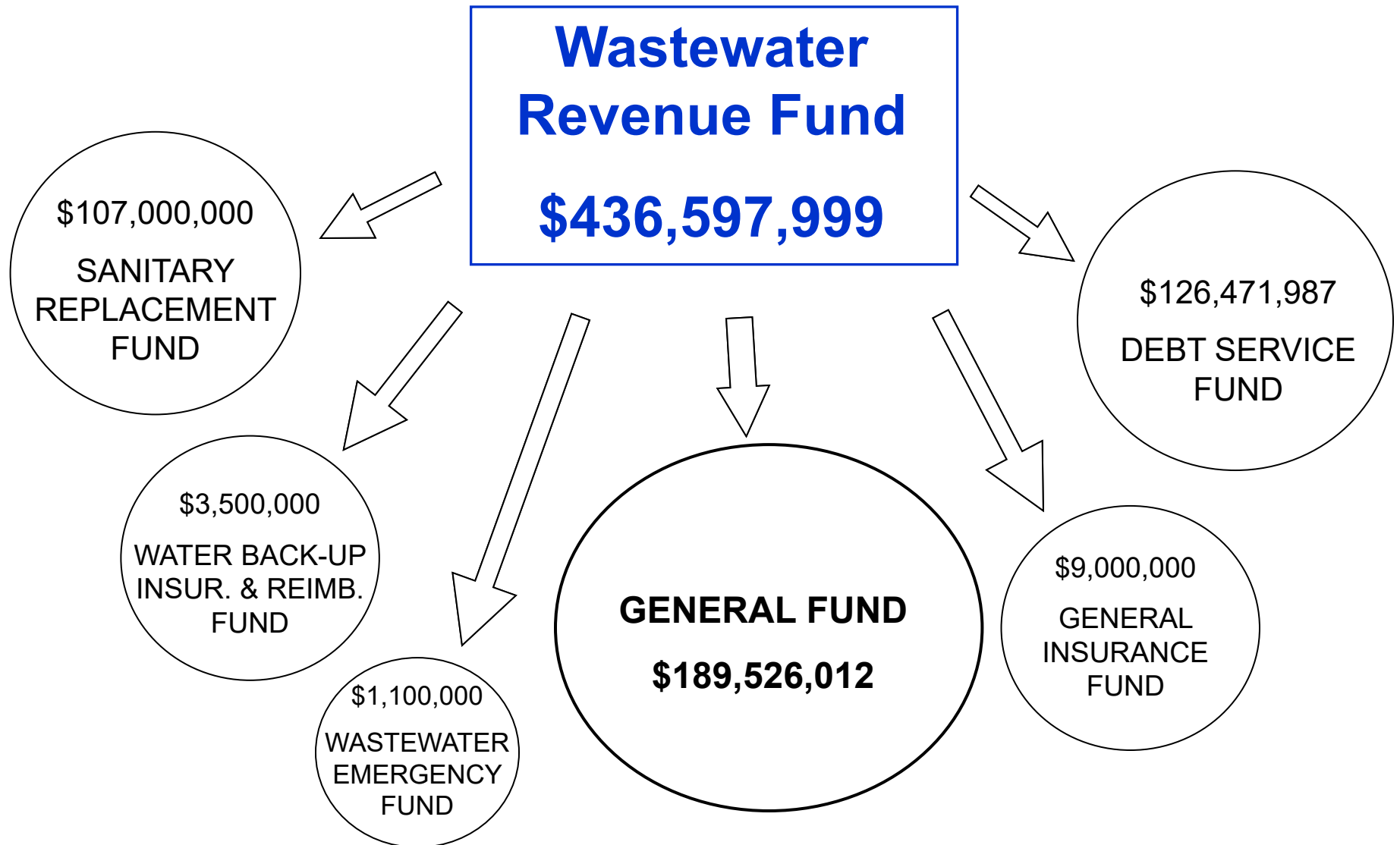
The proposed budget for the Wastewater Revenue Bond Service Fund can be found in the Debt Service Funds section. The revenue transferred from the Wastewater Revenue Fund is listed as an Interfund Transfer in the column labeled FY22 BUDGET.

The proposed budget for the Water Backup Insurance and Reimbursement Fund, the General Insurance Fund, and the Wastewater Emergency Fund can be found in the Special Funds section. The revenue transferred from the Wastewater Revenue Fund is listed as an Interfund Transfer in the columns labeled FY22 BUDGET.

Please refer to the following chart that graphically depicts the MSD flow of funds.



# MSD Flow of User Charges FY22



**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**Sewer Service Allocation by fund for FY22**  
(\$s in thousands)

<i><b>This table should be read with a focus on the rows. Positive numbers represent a transfer into the fund listed in the row and out of the fund listed in the column.</b></i>	1101 - General Fund	2000 - Principal and Interest Funds	3306 - Wastewater Revenue Fund	4104 - Water Backup Fund	4105 - General Insurance Fund	4122 - Wastewater Emergency Fund	6660 - Sanitary Replacement Fund	Net Transfer In / (Out)
1101 - General Fund	-	-	189,526	-	-	-	-	189,526
2000 - Principal and Interest Funds	-	-	126,472	-	-	-	-	126,472
3306 - Wastewater Revenue Fund	(189,526)	(126,472)	-	(3,500)	(9,000)	(1,100)	(107,000)	(436,598)
4104 - Water Backup Fund	-	-	3,500	-	-	-	-	3,500
4105 - General Insurance Fund	-	-	9,000	-	-	-	-	9,000
4122 - Wastewater Emergency Fund	-	-	1,100	-	-	-	-	1,100
6660 - Sanitary Replacement Fund	-	-	107,000	-	-	-	-	107,000

*This page provides detail of fund transfers allowing the user of this book to better understand which fund is the source and which fund is the recipient of a fund transfer. This information is presented in a summary fashion in multiple places throughout the book.*

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**Sewer Service Allocation by fund for FY23**  
(\$s in thousands)

<b><i>This table should be read with a focus on the rows. Positive numbers represent a transfer into the fund listed in the row and out of the fund listed in the column.</i></b>	<b>1101 - General Fund</b>	<b>2000 - Principal and Interest Funds</b>	<b>3306 - Wastewater Revenue Fund</b>	<b>4104 - Water Backup Fund</b>	<b>4105 - General Insurance Fund</b>	<b>4122 - Wastewater Emergency Fund</b>	<b>6660 - Sanitary Replacement Fund</b>	<b>Net Transfer In / (Out)</b>
1101 - General Fund	-	-	205,061	-	-	-	-	205,061
2000 - Principal and Interest Funds	-	-	135,429	-	-	-	-	135,429
3306 - Wastewater Revenue Fund	(205,061)	(135,429)	-	(6,000)	(7,000)	-	(100,000)	(453,491)
4104 - Water Backup Fund	-	-	6,000	-	-	-	-	6,000
4105 - General Insurance Fund	-	-	7,000	-	-	-	-	7,000
4122 - Wastewater Emergency Fund	-	-	-	-	-	-	-	-
6660 - Sanitary Replacement Fund	-	-	100,000	-	-	-	-	100,000

*This page provides detail of fund transfers allowing the user of this book to better understand which fund is the source and which fund is the recipient of a fund transfer. This information is presented in a summary fashion in multiple places throughout the book.*

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**Sewer Service Allocation by fund for FY24**  
(\$s in thousands)

<b><i>This table should be read with a focus on the rows. Positive numbers represent a transfer into the fund listed in the row and out of the fund listed in the column.</i></b>	<b>1101 - General Fund</b>	<b>2000 - Principal and Interest Funds</b>	<b>3306 - Wastewater Revenue Fund</b>	<b>4104 - Water Backup Fund</b>	<b>4105 - General Insurance Fund</b>	<b>4122 - Wastewater Emergency Fund</b>	<b>6660 - Sanitary Replacement Fund</b>	<b>Net Transfer In / (Out)</b>
1101 - General Fund	-	-	201,717	-	-	-	-	201,717
2000 - Principal and Interest Funds	-	-	154,746	-	-	-	-	154,746
3306 - Wastewater Revenue Fund	(201,717)	(154,746)	-	(6,000)	(7,000)	-	(100,000)	(469,462)
4104 - Water Backup Fund	-	-	6,000	-	-	-	-	6,000
4105 - General Insurance Fund	-	-	7,000	-	-	-	-	7,000
4122 - Wastewater Emergency Fund	-	-	-	-	-	-	-	-
6660 - Sanitary Replacement Fund	-	-	100,000	-	-	-	-	100,000

*This page provides detail of fund transfers allowing the user of this book to better understand which fund is the source and which fund is the recipient of a fund transfer. This information is presented in a summary fashion in multiple places throughout the book.*

## FY22 MONTHLY USER CHARGE STRUCTURE

A cost of service model is used to project revenues and revenue requirements for four fiscal years, recognizing anticipated growth in number of customers and increased wastewater flows throughout the service area. The study of revenue requirements recognizes projected operation and maintenance expense, capital improvement requirements met from revenues, principal and interest payments on current and proposed revenue bond issues, and recommended reserve fund requirements.

Allocated costs of service are developed for each class of customer and type of service based on considerations of utility revenue needs and projected customer service requirements. User charge rate adjustments are designed for customers in accordance with allocated costs of service and local policy and practical considerations.

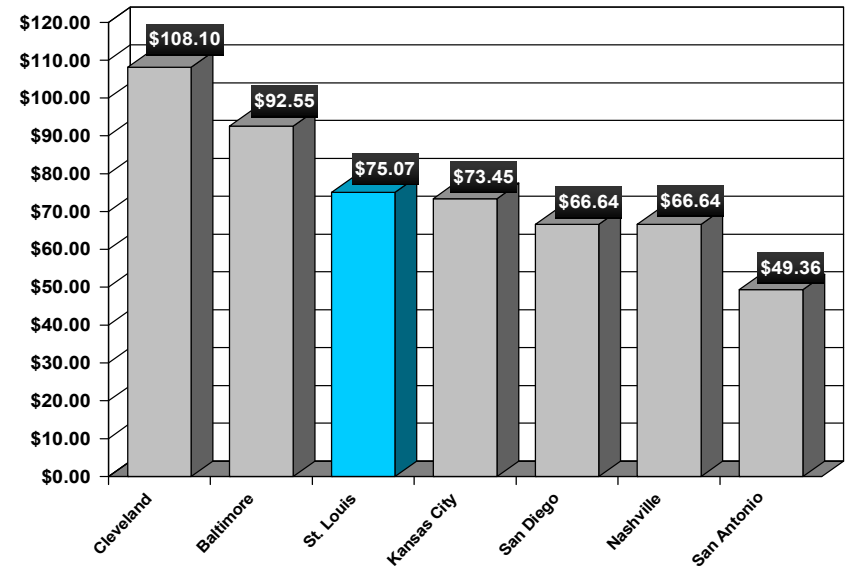
### WASTEWATER USER CHARGE RATES (Monthly)

	<u>FY24</u>	<u>FY23</u>	<u>FY22</u>	<u>FY21***</u>	<u>FY20</u>
<b>Unmetered:</b>					
Billing, Collection					
& System Availability Charge	\$29.29	\$28.26	<b>\$27.31</b>	\$26.40	\$26.35
Per Room	3.29	3.17	<b>3.06</b>	2.95	2.89
Per Water Closet	12.23	11.80	<b>11.40</b>	11.02	10.72
Per Bath	10.20	9.84	<b>9.51</b>	9.19	8.93
Per Separate Shower	10.20	9.84	<b>9.51</b>	9.19	8.93
<b>Metered--Residential and Non-Residential:</b>					
Billing, Collection					
& System Availability Charge	\$29.29	\$28.26	<b>\$ 27.31</b>	\$26.40	\$26.35
Volume Charge - \$/100 Cubic Ft.	5.55	5.35	<b>5.17</b>	5.00	4.87
<b>Metered--Non-Residential:</b>					
Compliance Charge Tier 1	\$5.85	\$4.71	<b>\$4.55</b>	\$4.44	\$3.14
Compliance Charge Tier 2	67.67	65.80	<b>62.64</b>	62.16	62.61
Compliance Charge Tier 3	144.98	140.99	<b>136.37</b>	133.20	137.75
Compliance Charge Tier 4	193.30	187.98	<b>181.83</b>	177.60	203.49
Compliance Charge Tier 5	241.63	234.98	<b>227.29</b>	222.00	266.10
<b>Extra Strength Surcharge - \$/Ton:</b>					
Suspended Solids over 300 mg/l*	\$329.43	\$320.36	<b>\$309.88</b>	\$302.67	\$283.87
BOD over 300 mg/l	884.78	860.43	<b>832.28</b>	812.94	708.56
COD over 600 mg/l	442.40	430.22	<b>416.14</b>	406.47	354.30

\*mg/l: milligrams per liter

\*\*\* Rates are effective October 1, 2020.

**Residential Wastewater User Charge**  
**St. Louis and Other Municipalities**  
 Monthly Average for a Typical Single Family Residence  
 Based on 10 CCF's



Source: <https://customerservice.neorsd.org/s/sewer-rates-and-stormwater-fees> <https://publicworks.baltimorecity.gov/Water-Bill-Rates-and-Fees> <https://www.sandiego.gov/public-utilities/customer-service/water-and-sewer-rates/sewer> <https://www.nashville.gov/Water-Services/Customers/Rates.aspx> <https://www.saws.org/service/water-sewer-rates/residential-water-service/> <https://www.kcwater.us/> Rates based on 10 CCF.

Note: In FY22, St. Louis MSD Single Family bill for 10 Ccf's will be \$79.01.

## MSD ANNUAL USER CHARGE STRUCTURE

	<u>FY24</u>	<u>FY23</u>	<u>FY22</u>	<u>FY21***</u>	<u>FY20</u>
<u>WASTEWATER USER CHARGE RATES (Annual)</u>					
Unmetered:					
Billing, Collection					
& System Availability Charge	\$351.48	\$339.12	<b>\$327.72</b>	\$316.80	\$316.20
Per Room	39.48	38.04	<b>36.72</b>	35.40	34.68
Per Water Closet	146.76	141.60	<b>136.80</b>	132.24	128.64
Per Bath	122.40	118.08	<b>114.12</b>	110.28	107.16
Per Separate Shower	122.40	118.08	<b>114.12</b>	110.28	107.16
Metered--Residential and Non-Residential:					
Billing, Collection					
& System Availability Charge	\$351.48	\$339.12	<b>\$327.72</b>	\$316.80	\$316.20
Volume Charge - \$ per 100 Cubic Feet	5.55	5.35	<b>5.17</b>	5.00	4.87
Metered--Non-Residential:					
Compliance Charge Tier 1	\$70.20	\$56.52	<b>\$54.60</b>	\$53.28	\$37.68
Compliance Charge Tier 2	812.04	789.60	<b>751.68</b>	745.92	751.32
Compliance Charge Tier 3	1,739.76	1,691.88	<b>1,636.44</b>	1,598.40	1,653.00
Compliance Charge Tier 4	2,319.60	2,255.76	<b>2,181.96</b>	2,131.20	2,441.88
Compliance Charge Tier 5	2,899.56	2,819.76	<b>2,727.48</b>	2,664.00	3,193.20
Extra Strength Surcharge-\$/Ton:					
Suspended Solids over 300 mg/l*	\$3,953.16	\$3,844.32	<b>\$3,718.56</b>	\$3,632.04	\$3,406.44
BOD over 300 mg/l	10,617.36	10,325.16	<b>9,987.36</b>	9,755.28	8,502.72
COD over 600 mg/l	5,308.80	5,162.64	<b>4,993.68</b>	4,877.64	4,251.60
* ml/g: milligrams per liter					
<u>STORMWATER SERVICE CHARGE (Annual)</u>					
Per Single Family/Commercial Account	\$0.00	\$0.00	<b>\$0.00</b>	\$0.00	\$0.00
Per Unit of Multi-Unit Residential Account	0.00/unit	0.00/unit	<b>0.00/unit</b>	0.00/unit	0.00/unit

### Ten Largest Customers' User Charges For the Year Ended June 30, 2020

<u>Customer</u>	<u>User Charge</u>	<u>Percent of Total User Charges</u>
InBev Anheuser-Busch	\$5,651,108	1.33%
Washington University	\$2,476,315	0.59%
CITY OF ST LOUIS	\$2,408,502	0.57%
Sigma-Aldrich	\$1,660,289	0.39%
Sensient Colors Inc	\$1,197,204	0.28%
BJC Health System	\$1,195,080	0.28%
Missouri-American Water Co.	\$1,181,175	0.28%
Jost Real Estate LLC	\$1,125,016	0.26%
The Boeing Company	\$1,089,987	0.26%
GKN Aerospace N America Inc.	\$1,080,998	0.25%
Total Top Ten by User Charges	<u>\$19,065,674</u>	4.49%
Total User Charges FY20	\$424,786,543	

\*\*\* Rates are effective October 1, 2020.

METROPOLITAN ST. LOUIS SEWER DISTRICT  
 Projected User Charge Revenue  
 FY22 BUDGET  
 COMPOSITE

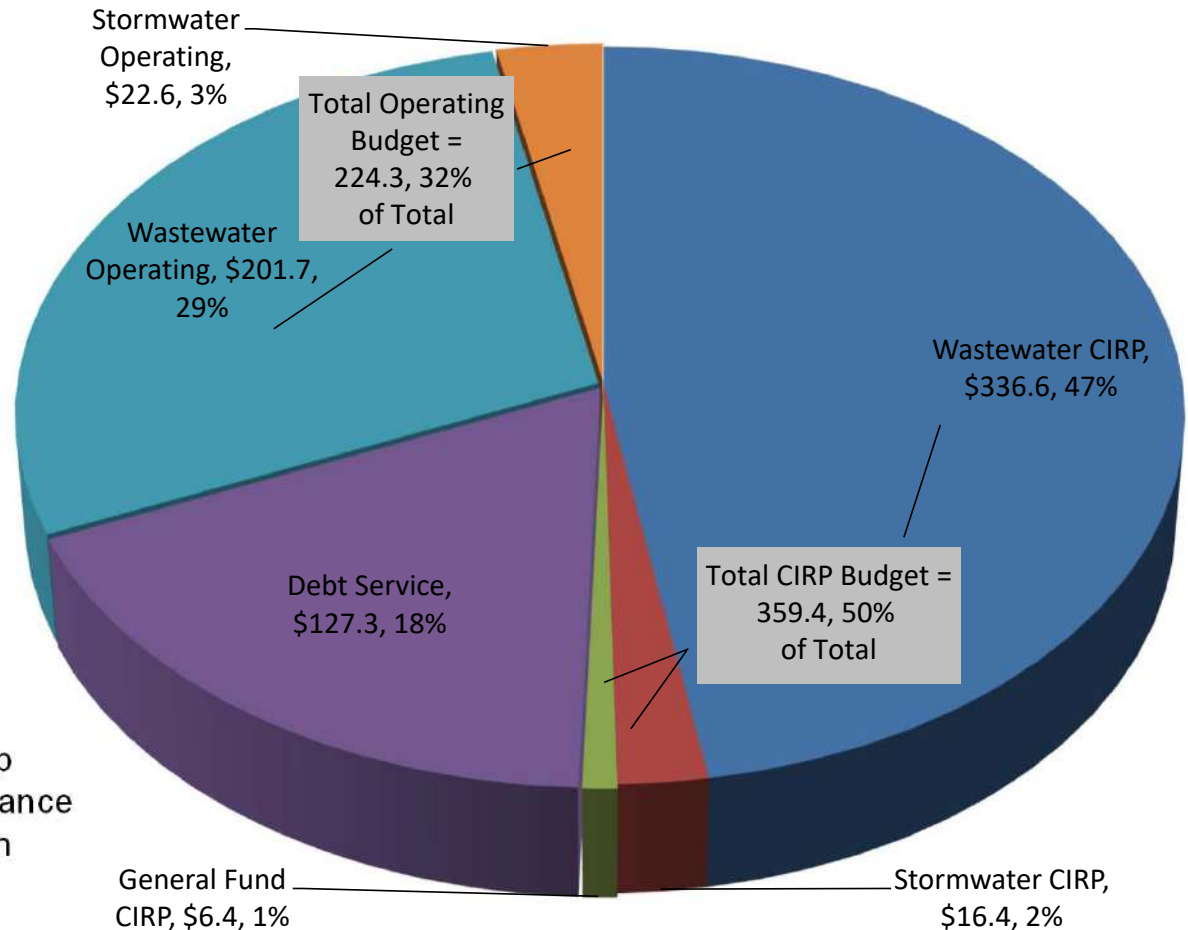
	Projected Revenue
<b>WASTEWATER USER CHARGE</b>	
Metered Single Family	\$197,040,512
Unmetered Single Family	49,741,173
Metered Multi-Family	47,679,397
Unmetered Multi-Family	27,331,440
Non-residential	106,646,071
Extra Strength Surcharges	6,566,945
Customer Assistance Program	1,592,461
Subtotal WASTEWATER USER CHARGE	<u>\$436,597,999</u>
 <b>GENERAL FUND USER CHARGES</b>	
Bad Debt Provision	(\$5,925,600)
Adjustments, Late Charges & Other	6,224,943
	<u>\$299,343</u>
 <b>USER CHARGE REVENUE</b>	 <b><u><u>\$436,897,342</u></u></b>



# Total Expenditures FY22

(\$s in millions)

Waterwater Operations	\$201.7
Stormwater Operations	<u>22.6</u>
<b>Total Operations</b>	<b>\$ 224.3</b>
<b>Debt Service</b>	<b>\$ 127.3</b>
Capital Improvement & Replacement Program	
(CIRP) Wastewater	\$ 336.6
CIRP Stormwater	16.4
General Fund	<u>6.4</u>
<b>Total CIRP</b>	<b>\$ 359.4</b>
<b>Total Expenditures</b>	<b><u>\$ 711.0</u></b>



## Note:

Operations includes: General Fund, Water Backup Insurance & Reimbursement Fund, General Insurance Fund and Stormwater Operation & Maintenance in OMCI funds.

## Appropriations by Department and Fund

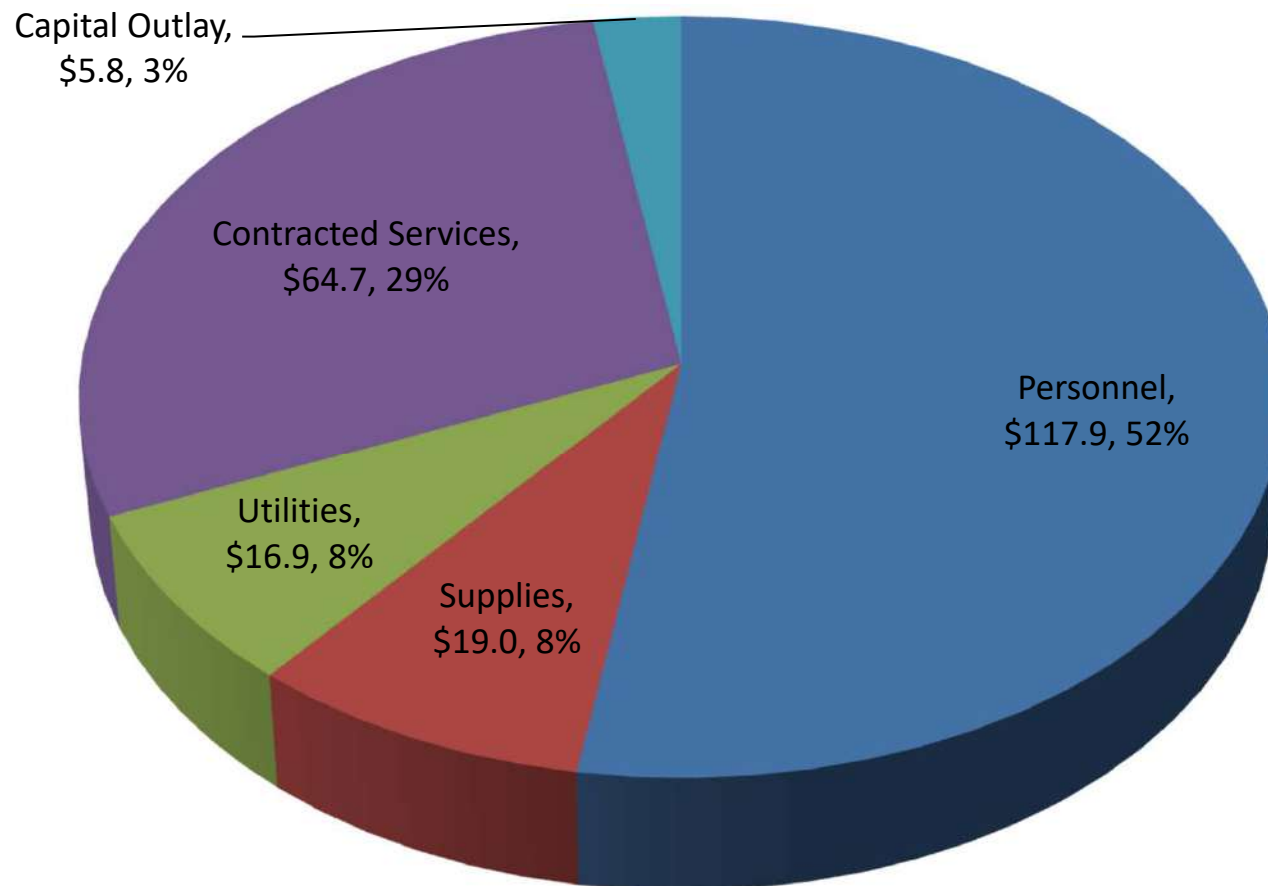
	1000 - General Funds	2000 - Principal and Interest Funds	4000 - Special Funds	5000 - Stormwater & OMCI Funds	6000 - Construction Funds	Grand Total
T1100 - Secretary Treasurer Department	\$ 2,504,079	\$ -	\$ -	\$ -	\$ -	\$ 2,504,079
T2500 - Human Resources Department	9,768,045	-	-	-	-	9,768,045
T3000 - Executive Director Department	3,649,928	-	-	-	-	3,649,928
T4000 - Finance Department	24,094,378	-	-	-	-	24,094,378
T4500 - Information Technology Department	16,814,818	-	-	-	-	16,814,818
T5500 - General Counsel Department	3,412,292	-	-	-	-	3,412,292
T6000 - Operations Department	122,542,013	-	-	-	-	122,542,013
T8000 - Engineering Department	27,714,682	-	-	-	-	27,714,682
SW100 - Stormwater O&M	(34,378,037)	-	24,893	26,660,537	7,692,607	(0)
00102 - Property Insurance	-	-	3,187,400	-	-	3,187,400
00103 - General Liability Insurance	-	-	2,397,000	-	-	2,397,000.00
00104 - Worker's Compensation	-	-	2,589,113	-	-	2,589,113
00105 - Water Backup	-	-	5,000,000	-	-	5,000,000
00202 - Interest Expense	-	126,471,987	-	-	773,500	127,245,487
00205 - Tax Fees	-	-	-	647,609	-	647,609
T1010 - Board of Trustees	9,700	-	-	-	-	9,700
T2020 - Civil Service Commission	11,500	-	-	-	-	11,500
<b>Grand Total</b>	<b>\$ 176,143,398</b>	<b>\$ 126,471,987</b>	<b>\$ 13,198,406</b>	<b>\$ 27,308,146</b>	<b>\$ 8,466,107</b>	<b>\$ 351,588,045</b>

# District-Wide Operating Expense by Natural Account Group

**FY22**

**Total Expenses \$224.3M**

(\$s in millions)



**Metropolitan Saint Louis Sewer District**  
**FY22 Interfund Transfer Activity**

Department	Expense Type	General Fund	Improvement Fund	Sanitary Replacement Fund	Stormwater Regulatory Fund	Districtwide Stormwater Fund	Proposed SW Capital Fund	OMCI Funds Total	TOTAL
Operations Department	Stormwater Labor	\$ (4,314,408)	\$ -	\$ -	\$ -	\$ 4,314,408	\$ -	\$ -	\$ -
Operations Department	Stormwater Equipment	(2,615,467)	-	-	-	2,615,467	-	-	-
Operations Department	Stormwater Supplies	(2,190,682)	-	-	-	2,190,682	-	-	-
Operations Department	Stormwater Overhead	(4,659,186)	-	-	-	4,659,186	-	-	-
<b>Operations Department Stormwater Subtotal</b>		<b>(13,779,742)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13,779,742</b>	<b>-</b>	<b>-</b>	<b>-</b>
Engineering Department	Stormwater Labor	(3,627,636)	-	-	2,544,300	1,083,337	-	-	-
Engineering Department	Stormwater Overhead	(4,684,807)	-	-	3,285,763	1,399,044	-	-	-
Engineering Department	SW CIRP Interfund Labor	(4,568,352)	-	-	-	3,381,385	-	1,186,967	-
<b>Engineering Department Stormwater Subtotal</b>		<b>(12,880,795)</b>	<b>-</b>	<b>-</b>	<b>5,830,062</b>	<b>5,863,766</b>	<b>-</b>	<b>1,186,967</b>	<b>-</b>
<b>Stormwater Subtotal</b>		<b>\$ (26,660,537)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,830,062</b>	<b>\$ 19,643,508</b>	<b>\$ -</b>	<b>\$ 1,186,967</b>	<b>\$ -</b>
<b>Engineering Department Wastewater Subtotal</b>		<b>(7,717,500)</b>	<b>24,893</b>	<b>7,692,607</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Interfund Labor</b>		<b>\$ (34,378,037)</b>	<b>\$ 24,893</b>	<b>\$ 7,692,607</b>	<b>\$ 5,830,062</b>	<b>\$ 19,643,508</b>	<b>\$ -</b>	<b>\$ 1,186,967</b>	<b>\$ -</b>

**Metropolitan Saint Louis Sewer District**  
**FY23 Interfund Transfer Activity**

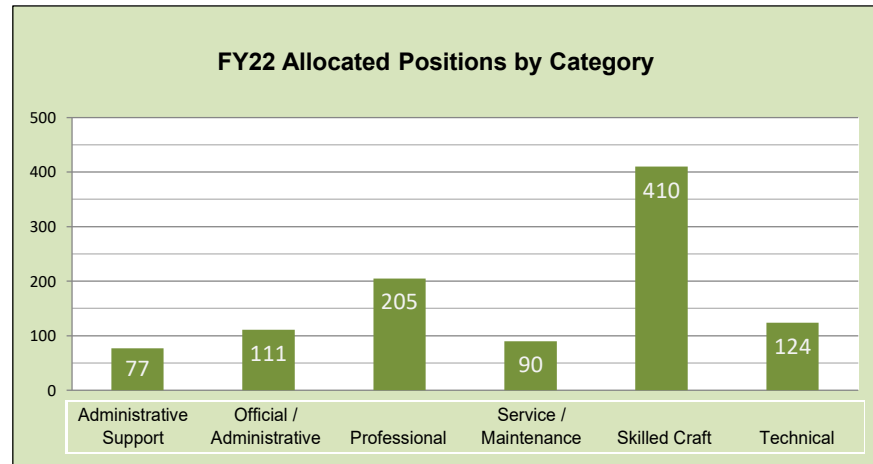
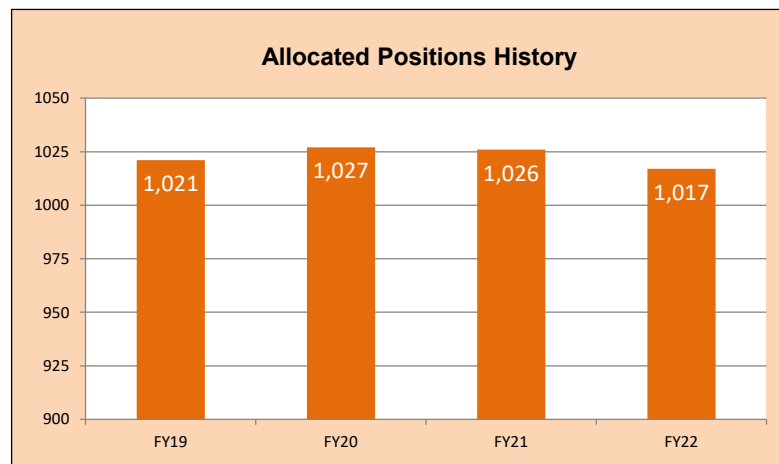
Department	Expense Type	General Fund	Improvement Fund	Sanitary Replacement Fund	Stormwater Regulatory Fund	Districtwide Stormwater Fund	Proposed SW Capital Fund	OMCI Funds Total	TOTAL
Operations Department	Stormwater Labor	\$ (4,443,840)	\$ -	\$ -	\$ -	\$ 4,443,840	\$ -	\$ -	\$ -
Operations Department	Stormwater Equipment	(2,693,931)	-	-	-	2,693,931	-	-	-
Operations Department	Stormwater Supplies	(2,256,402)	-	-	-	2,256,402	-	-	-
Operations Department	Stormwater Overhead	(4,798,961)	-	-	-	4,798,961	-	-	-
<b>Operations Department Stormwater Subtotal</b>		<b>(14,193,134)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14,193,134</b>	<b>-</b>	<b>-</b>	<b>-</b>
Engineering Department	Stormwater Labor	(3,736,466)	-	-	2,620,629	1,115,837	-	-	-
Engineering Department	Stormwater Overhead	(4,825,351)	-	-	3,384,336	1,441,016	-	-	-
Engineering Department	SW CIRP Interfund Labor	(4,711,638)	-	-	-	3,266,724	-	1,444,914	-
<b>Engineering Department Stormwater Subtotal</b>		<b>(13,273,455)</b>	<b>-</b>	<b>-</b>	<b>6,004,964</b>	<b>5,823,577</b>	<b>-</b>	<b>1,444,914</b>	<b>-</b>
<b>Stormwater Subtotal</b>		<b>\$ (27,466,590)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,004,964</b>	<b>\$ 20,016,711</b>	<b>\$ -</b>	<b>\$ 1,444,914</b>	<b>\$ -</b>
<b>Engineering Department Wastewater Subtotal</b>		<b>(8,180,550)</b>	<b>45,028</b>	<b>8,135,109</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>412</b>	<b>-</b>
<b>Total Interfund Labor</b>		<b>\$ (35,647,140)</b>	<b>\$ 45,028</b>	<b>\$ 8,135,109</b>	<b>\$ 6,004,964</b>	<b>\$ 20,016,711</b>	<b>\$ -</b>	<b>\$ 1,445,326</b>	<b>\$ -</b>

**Metropolitan Saint Louis Sewer District**  
**FY24 Interfund Transfer Activity**

Department	Expense Type	General Fund	Improvement Fund	Sanitary Replacement Fund	Stormwater Regulatory Fund	Districtwide Stormwater Fund	Proposed SW Capital Fund	OMCI Funds Total	TOTAL
Operations Department	Stormwater Labor	\$ (4,577,155)	\$ -	\$ -	\$ -	\$ 4,577,155	\$ -	\$ -	\$ -
Operations Department	Stormwater Equipment	(2,774,749)	-	-	-	2,774,749	-	-	-
Operations Department	Stormwater Supplies	(2,324,094)	-	-	-	2,324,094	-	-	-
Operations Department	Stormwater Overhead	(4,942,930)	-	-	-	4,942,930	-	-	-
<b>Operations Department Stormwater Subtotal</b>		<b>(14,618,928)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14,618,928</b>	<b>-</b>	<b>-</b>	<b>-</b>
Engineering Department	Stormwater Labor	(3,848,560)	-	-	2,699,247	1,149,312	-	-	-
Engineering Department	Stormwater Overhead	(4,970,112)	-	-	3,485,866	1,484,246	-	-	-
Engineering Department	SW CIRP Interfund Labor	(4,846,082)	-	-	-	3,711,728	-	1,134,354	-
<b>Engineering Department Stormwater Subtotal</b>		<b>(13,664,753)</b>	<b>-</b>	<b>-</b>	<b>6,185,113</b>	<b>6,345,286</b>	<b>-</b>	<b>1,134,354</b>	<b>-</b>
<b>Stormwater Subtotal</b>		<b>\$ (28,283,681)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,185,113</b>	<b>\$ 20,964,215</b>	<b>\$ -</b>	<b>\$ 1,134,354</b>	<b>\$ -</b>
<b>Engineering Department Wastewater Subtotal</b>		<b>(8,671,383)</b>	<b>25,911</b>	<b>8,632,641</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12,831</b>	<b>-</b>
<b>Total Interfund Labor</b>		<b>\$ (36,955,064)</b>	<b>\$ 25,911</b>	<b>\$ 8,632,641</b>	<b>\$ 6,185,113</b>	<b>\$ 20,964,215</b>	<b>\$ -</b>	<b>\$ 1,147,184</b>	<b>\$ -</b>

**Metropolitan St. Louis Sewer District**  
**ALLOCATED POSITIONS**  
**Fiscal Year 2022**

DEPARTMENT	FY19	FY20	FY21	Budgeted FY22	INCREASE/ (DECREASE)	EXPLANATION
Secretary - Treasurer	8	8	7	7	0	Position count remains the same as previous year
Executive Director	20	20	20	20	0	Position count remains the same as previous year
General Counsel	8	8	8	8	0	Position count remains the same as previous year
Human Resources	23	23	23	23	0	Position count remains the same as previous year
Finance	62	62	62	62	0	Position count remains the same as previous year
Information Systems	45	51	51	52	1	Added IT Specialist II Security Analyst
Engineering	244	244	244	237	(7)	Removed 2 Construction Inspector Senior, 2 Office Assistant, 1 Surveyor Assistant, 1 Civil Engineer, 1 Civil Engineer Senior
Operations	611	611	611	608	(3)	Removed Collection System Technician
<b>Total Available Positions</b>	<b>1021</b>	<b>1027</b>	<b>1026</b>	<b>1,017</b>	<b>(9)</b>	<b>Total positions reduced</b>



## Issued Revenue Bonds by Authorization

As previously stated in the Budget and Financial Policies section of this book, the District has a policy restriction for the amount of general obligation bonds it can issue. However, the District does not currently have general obligation bonds. The only restriction on capacity of revenue bonds is voter authorization for revenue bonds. Below is a summary of the voter approved bond authorizations and the bonds issued against those authorizations.

<u>Voter Authorized Amount</u>	<u>Date of Authorization</u>	<u>Series</u>	<u>Bond Amount</u>	<u>Bond Date</u>	<u>Remaining Authorization</u>
\$ 500,000,000	February-2004	2004A	\$ 175,000,000 <sup>1</sup>	May-2004	\$ 325,000,000
		2004B	161,280,000 <sup>2</sup>	May-2004	163,720,000
		2005A	6,800,000 <sup>2</sup>	May-2005	156,920,000
		2006A	42,715,000 <sup>2</sup>	April-2006	114,205,000
		2006B	14,205,000 <sup>2</sup>	October-2006	100,000,000
		2006C	60,000,000 <sup>3</sup>	November-2006	40,000,000
		2008A/B	40,000,000 <sup>2</sup>	October-2008	-
		2012B	141,730,000 <sup>1</sup>	November-2012	n/a
\$ 275,000,000	August-2008	2008A	\$ 30,000,000 <sup>3</sup>	November-2008	\$ 245,000,000
		2009A	23,000,000 <sup>2</sup>	October-2009	222,000,000
		2010A	7,980,700 <sup>2</sup>	January-2010	214,019,300
		2010B	85,000,000 <sup>3</sup>	January-2010	129,019,300
		2010C	37,000,000 <sup>2</sup>	December-2010	92,019,300
		2011A	39,769,300 <sup>2</sup>	November-2011	52,250,000
		2011B	52,250,000 <sup>3</sup>	December-2011	-
\$ 945,000,000	June-2012	2012A	\$ 225,000,000 <sup>3</sup>	August-2012	\$ 720,000,000
		2013A	52,000,000 <sup>2</sup>	October-2013	668,000,000
		2013B	150,000,000 <sup>3</sup>	December-2013	518,000,000
		2015A	75,000,000 <sup>2</sup>	August-2015	443,000,000
		2015B	223,855,000 <sup>4</sup>	December-2015	293,000,000
		2016A	20,000,000 <sup>2</sup>	December-2016	273,000,000
		2016B	75,500,000 <sup>2</sup>	December-2016	197,500,000
		2016C	150,000,000 <sup>3</sup>	December-2016	47,500,000
		2017A	47,500,000 <sup>5</sup>	November-2017	-
\$ 900,000,000	April-2016	2017A	\$ 268,675,000 <sup>5</sup>	November-2017	\$ 747,500,000.00
		2018A	47,722,204 <sup>6</sup>	December-2018	699,777,796
		2018B	25,267,000 <sup>2</sup>	December-2018	674,510,796
		2019A	23,952,000 <sup>2</sup>	December-2019	650,558,796
		2019B	52,130,000 <sup>3</sup>	December-2019	598,428,796
		2019C	276,260,000 <sup>1</sup>	December-2019	598,428,796
		2020A	22,000,000 <sup>2</sup>	September-2020	576,428,796
		2020B	120,000,000 <sup>3</sup>	December-2020	456,428,796
		2021A	63,101,000 <sup>2</sup>	January-2021	393,327,796
		2021B	40,201,000 <sup>2</sup>	January-2021	353,126,796
		2021C	5,620,000 <sup>1</sup>	May-2021	353,126,796
		2021D	119,000,000 <sup>7</sup>	December-2021	234,126,796
		2022A	39,845,000 <sup>8</sup>	May-2022	234,126,796
		2022B	100,000,000 <sup>9</sup>	December-2022	134,126,796
		2022C	134,126,796 <sup>7</sup>	December-2022	-
\$ 500,000,000	April-2021	2022C	13,873,204 <sup>7</sup>	December-2022	486,126,796
		2023A	23,040,000 <sup>8</sup>	May-2023	486,126,796
		2023B	25,000,000 <sup>7</sup>	December-2023	461,126,796
		2023C	250,000,000 <sup>9</sup>	December-2023	211,126,796

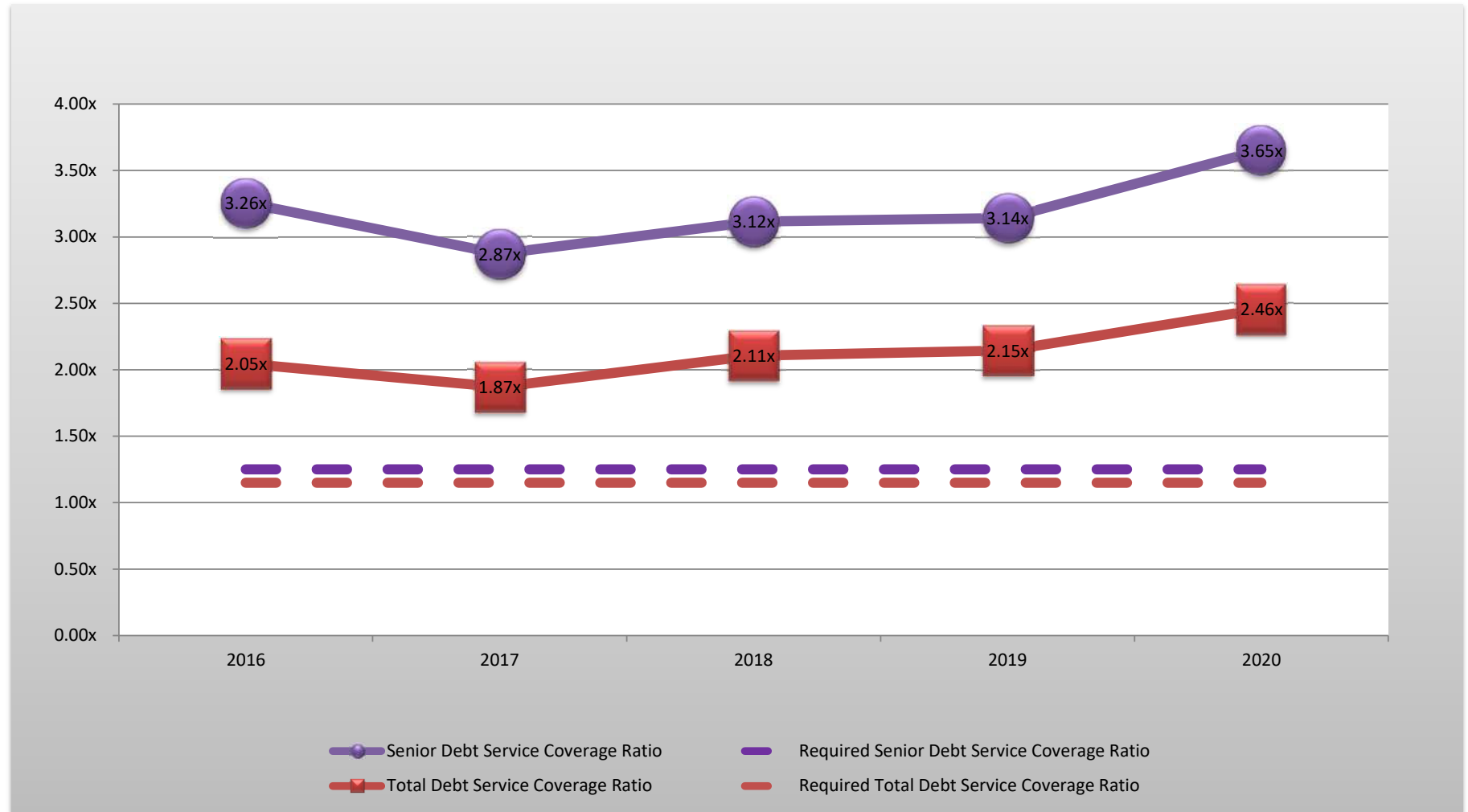
### Notes:

- 1 Wastewater System Refunding Bond issue does not count against any authorization.
- 2 State Revolving Loans Program including both Subordinate Revenue Bonds and Direct Loans.
- 3 Wastewater System Senior Revenue Bonds.
- 4 Wastewater System Senior Revenue Bonds 2006C and 2008A were refunded by 2015B. 2015B Also included new money of \$150 million. Only the \$150 million counts against the District's authorization.
- 5 Wastewater Sytem Senior Revenue Bonds 2011B, 2012A, 2013B and 2015B were partially refunded by 2017A. 2017A also included new money of \$200 million. Only the \$200 million counts against The District's authorization
- 6 Water Infrastructure Finance and Innovation Act (WIFIA) bonds.
- 7 Proposed State Revolving Loans Program debt.
- 8 Proposed Wastewater System Refunding Revenue Bond - Refunding does not count against the District's authorization .
- 9 Proposed Wastewater System Senior Revenue Bonds.



## Debt Service Coverage Ratio

The District's Master Bond Ordinance provides Debt Service Coverage Ratio minimums for both Senior and Total Debt Service Expense. These amounts are 1.25x and 1.15x, respectively. The District targets Senior Debt Coverage ratios of 2.5x or higher. This coverage ratio target is one component of the District's plan to maintain at least a AA credit rating.



# METROPOLITAN ST. LOUIS SEWER DISTRICT

## FISCAL YEAR 2022 LIST OF FUNDS<sup>1</sup>

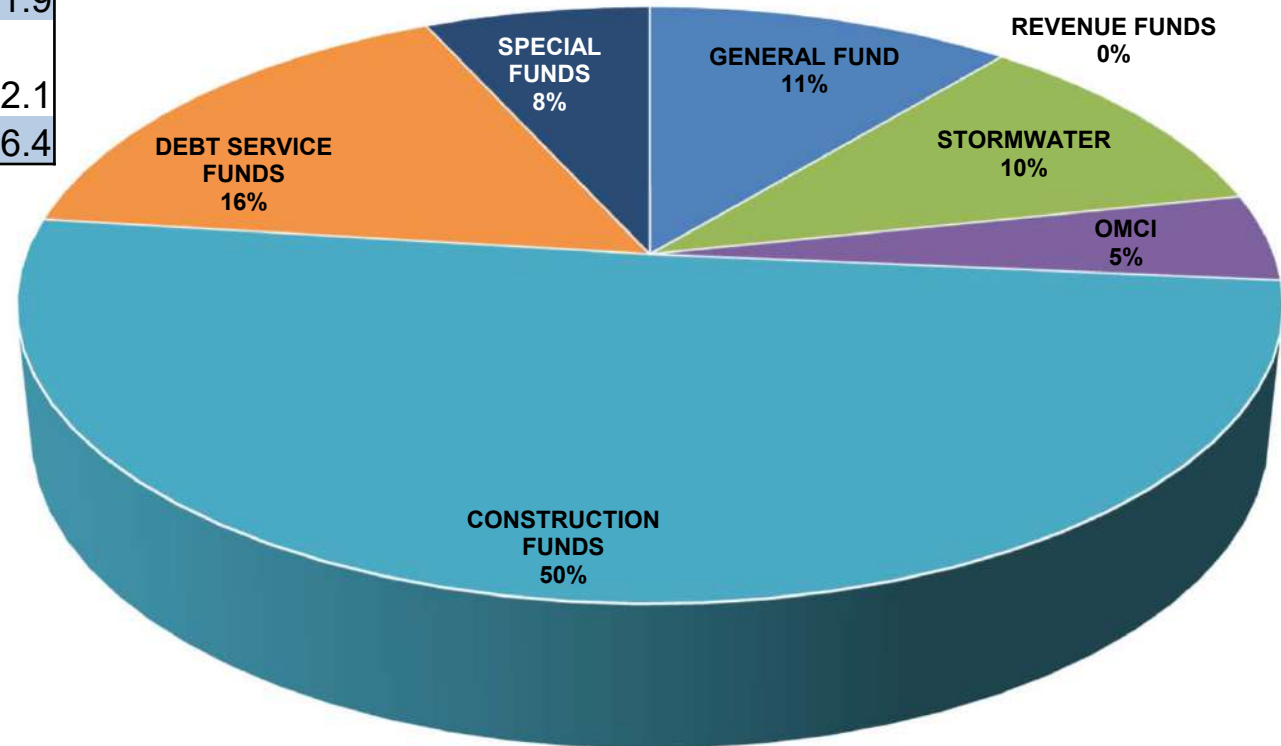
Fund No.	Fund Name	Fund No.	Fund Name
1101 *\$	<b><u>General Fund</u></b> Board of Trustees Rate Commission Secretary - Treasurer Civil Service Commission Executive Director General Counsel Human Resources Finance Information Systems Engineering Operations	3306 *	<b><u>Revenue Funds</u></b> Wastewater Revenue
		3307	Stormwater Revenue
			<b><u>Special Funds</u></b>
		4102 \$	Improvement
		4104 \$	Water Back-up Insurance & Reimbursement
		4105 \$	General Insurance Fund
		4122	Wastewater Emergency Fund
		4123	Stormwater Emergency Fund
			<b><u>Stormwater Funds</u></b>
		5110 \$	Stormwater Regulatory Fund
		5120 \$	Districtwide Stormwater Fund
		5130	Stormwater Operations and Maintenance Fund
			<b><u>Operation, Maintenance and Construction Improvement Funds</u></b>
2804 \$	Wastewater Revenue Bond Service 2004A	5401	Bond Place Special Taxing Subdistrict
2812 \$	Wastewater Revenue Bond Service 2010B	5563 \$	Clayton-Central
2816 \$	Wastewater Revenue Bond Service 2011B	5564 \$	Coldwater Creek
2817 \$	Wastewater Revenue Bond Service 2012A	5565 \$	Creve Coeur-Frontenac
2818 \$	Wastewater Revenue Bond Service 2012B	5566 \$	Deer Creek
2819 \$	Wastewater Revenue Bond Service 2013B	5571 \$	Gravois Creek
2820 \$	Wastewater Revenue Bond Service 2013A	5574 \$	Loretta-Joplin
2821 \$	Wastewater Principal and Interest Fund 2015A	5576 \$	Maline Creek
2822 \$	Wastewater Principal and Interest Fund 2015B	5583 \$	Sugar Creek
2823 \$	Wastewater Principal and Interest Fund 2016A	5584 \$	University City
2824 \$	Wastewater Principal and Interest Fund 2016B	5587 \$	Watkins Creek
2825 \$	Wastewater Principal and Interest Fund 2016C	5589	Wellston
2826 \$	Wastewater Principal and Interest Fund 2017A	5590	MO River Bonfils Subd. #448
2827 \$	2018A WIFIA-Principal and Interest-WW	5591	Lower Meramec River Basin Subd. #449
2828 \$	2018B SRF-Principal and Interest-WW	5593 \$	Seminary Br. of RDP Subd. #454
2829 \$	2019A SRF-Principal and Interest-WW	5594 \$	Black Creek Subd. #455
2830 \$	2019B SR Rev Bond Principal & Interest-WW		<b><u>Construction Funds</u></b>
2831 \$	2019C SR Ref Taxable Rev Bond-P&I-WW	6660 *\$	Sanitary Replacement
2832 \$	2019C SR Ref Taxable Rev Bond-P&I-WW		
2833 \$	2019C SR Ref Taxable Rev Bond-P&I-WW		
2834 \$	2019C SR Ref Taxable Rev Bond-P&I-WW		
2835 \$	2019C SR Ref Taxable Rev Bond-P&I-WW		
\$	Proposed Principal and Interest Bond 1		
	Proposed Principal and Interest Bond 2		

Notes: 1) The District uses modified accrual basis of budgeting for each fund; 2) \* - Denotes major funds, and 3) \$ - Denotes funds with appropriations

# Projected Ending Fund Balances FY22

(\$s in millions)

General Fund	\$ 35.2
Revenue Funds	0.0
Stormwater Funds	34.3
OMCI Funds	15.1
Construction Funds	161.9
Debt Service Funds	52.1
Special Funds	26.4



**Note:**

Revenue funds are not included in graph since fund balance is \$0.00

## Explanation of Changes in Fund Balance Greater Than Ten Percent

Fund	Explanation
<b>1101 – General Fund</b>	This fund balance is expected to decrease by 15% or \$6.2 million during FY22. The planned upgrade of the District's premise-based ERP system which was implemented in 2010 is budgeted at \$6.4 million, and it is the budget item that is the main reason for the fund balance reduction. The new ERP will be cloud based. With the software as a service (SaaS) model, the District is expected to benefit the District in multiple ways. For example, security and patches will be the responsibility of Oracle, new functionality will be available, business processes can be improved, and improved cyber security are all expected benefits.
<b>5000 – OMCI Funds</b>	The fund balances in this group of funds are budgeted to increase 10% or \$1.4 million during FY22. These funds are primarily used for the stormwater CIRP. In FY17 the tax rates in these funds were voluntarily reduced to zero to coincide with a new stormwater tax that was primarily for operations and maintenance expenses. In FY20, six of the subdistricts requested that the District restart their tax levies to allow for needed capital improvements within their boundaries. As a result, fund balances are increasing in FY22 which will allow for a larger CIRP which is projected in FY23 thereby reducing fund balances in that year by \$7.6 million, or 50%.
<b>6660 – Sanitary Replacement Fund</b>	This fund balance is expected to decrease by 38% or \$98.4 million during FY22. The main reason for this reduction is the timing of revenue bond proceeds and project expenditures. During FY21, the District is forecasting to have \$270.7 million in revenue bond proceeds which combined with cash funding from the sewer service charge revenues exceeded the needs of the fund and resulted in a forecasted increase in fund balance of \$74.0 million. The additional bond proceeds were acquired during FY21 to take advantage of historically low financing costs. Therefore, in FY22, the District will be able to reduce the amount of additional borrowing and spend down some of the fund balance that was built up in the previous year.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN TOTAL FUND BALANCE**  
**CONSOLIDATED STATEMENT OF CHANGES IN FUND BALANCE**

	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>
	<b>Actual</b>	<b>Actual</b>	<b>Budget</b>	<b>Forecast</b>	<b>Budget</b>	<b>Projected</b>	<b>Projected</b>
FUND BALANCE B.O.P.	\$471,062,996	\$389,207,836	\$382,252,771	\$382,426,481	\$426,395,851	\$324,916,969	\$210,231,396
Revenues:							
Revenue Bonds	72,989,204	364,401,977	165,710,285	270,710,285	119,000,000	237,575,000	250,775,000
Wastewater User Charge	395,582,755	424,788,345	433,308,291	415,940,554	436,897,342	453,965,223	470,142,520
Stormwater User Charge	(2,852)	(1,801)	-	(924)	-	-	-
Taxes	34,107,619	35,439,441	42,664,277	43,096,662	43,173,943	43,173,943	43,173,943
Interest on Investments	21,316,069	17,895,386	6,457,603	8,288,860	3,609,400	2,595,700	1,885,200
Connection and Other Fees	3,063,458	3,012,368	3,189,000	3,246,011	3,048,000	3,048,000	3,048,000
Proceeds from Sale of Property	330,555	105,227	253,000	148,073	202,000	202,000	202,000
Rental Income	301,446	301,631	281,000	308,815	311,000	311,000	311,000
Miscellaneous	3,220,229	12,875,168	2,096,000	2,062,748	3,208,000	3,108,000	1,808,000
<b>Total Revenues</b>	<b>530,908,483</b>	<b>858,817,742</b>	<b>653,959,456</b>	<b>743,801,084</b>	<b>609,449,685</b>	<b>743,978,866</b>	<b>771,345,663</b>
Expenditures:							
Personnel Services	106,479,260	110,127,362	116,770,412	112,777,702	117,881,104	120,139,455	124,014,130
Supplies	15,361,869	15,442,618	17,815,274	18,055,390	19,025,236	20,772,632	22,063,306
Utilities	16,906,052	15,762,631	17,076,928	16,277,178	16,937,966	17,682,090	17,186,930
Contractual Services	56,440,392	55,306,684	62,478,406	64,511,745	64,733,652	66,581,057	68,445,710
Capital Outlay	10,076,488	8,619,175	6,807,948	7,259,950	5,764,600	6,201,192	6,325,216
Construction and Engineering	292,888,460	245,032,587	391,721,710	364,890,611	359,340,522	489,996,522	428,799,082
Principal Payments	50,941,502	52,587,600	56,629,100	56,629,100	61,157,300	69,637,520	81,463,157
Interest Payments	61,304,959	84,045,981	63,313,972	57,396,738	63,285,283	63,262,197	70,422,795
Agency and Other Debt Expenses	2,364,661	278,674,459	3,393,100	2,033,300	2,802,904	4,391,775	5,282,056
<b>Total Expenditures</b>	<b>612,763,643</b>	<b>865,599,097</b>	<b>736,006,850</b>	<b>699,831,714</b>	<b>710,928,567</b>	<b>858,664,439</b>	<b>824,002,382</b>
Net Operating Income (Loss)	(81,855,160)	(6,781,355)	(82,047,394)	43,969,370	(101,478,882)	(114,685,573)	(52,656,719)
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(81,855,160)	(6,781,355)	(82,047,394)	43,969,370	(101,478,882)	(114,685,573)	(52,656,719)
Percentage of Change	-17%	-2%	-21%	11%	-24%	-35%	-25%
<b>FUND BALANCE E.O.B.</b>	<b>\$389,207,836</b>	<b>\$382,426,481</b>	<b>\$300,205,377</b>	<b>\$426,395,851</b>	<b>\$324,916,969</b>	<b>\$210,231,396</b>	<b>\$157,574,677</b>

# METROPOLITAN ST. LOUIS SEWER DISTRICT

## CONSOLIDATED STATEMENT OF CHANGE IN FUND BALANCE FOR FY22 BUDGET

	GENERAL FUND	REVENUE FUNDS	STORMWATER AND OPER. MAINT. & CONST. IMPR FUNDS	CONSTRUCTION FUNDS	DEBT SERVICE FUNDS	SPECIAL FUNDS	TOTAL
FUND BALANCE B.O.P.	\$41,408,513	\$ -	\$48,427,126	\$260,252,059	\$51,533,513	\$24,774,639	\$426,395,850
Revenue Bonds	-	-	-	119,000,000	-	-	119,000,000
Wastewater User Charge	299,343	436,597,999	-	-	-	-	436,897,342
Taxes	-	-	43,173,943	-	-	-	43,173,943
Interest on Investments	356,600	-	471,700	2,006,500	522,600	252,000	3,609,400
Connection and Other Fees	2,054,000	-	-	-	-	994,000	3,048,000
Proceeds from Sale of Property	202,000	-	-	-	-	-	202,000
Rental Income	311,000	-	-	-	-	-	311,000
Miscellaneous	1,808,000	-	1,400,000	-	-	-	3,208,000
<b>Total Revenues</b>	<b>5,030,943</b>	<b>436,597,999</b>	<b>45,045,643</b>	<b>121,006,500</b>	<b>522,600</b>	<b>1,246,000</b>	<b>609,449,685</b>
Personnel Services	116,721,991	-	-	-	-	1,159,113	117,881,104
Supplies	19,025,236	-	-	-	-	-	19,025,236
Utilities	16,937,966	-	-	-	-	-	16,937,966
Contractual Services	52,071,643	-	647,609	-	-	12,014,400	64,733,652
Capital Outlay	5,764,600	-	-	-	-	-	5,764,600
Construction and Engineering	24,620,000	-	16,788,522	317,932,000	-	-	359,340,522
Principal Payments	-	-	-	-	61,157,300	-	61,157,300
Interest Payments	-	-	-	-	63,285,283	-	63,285,283
Agency and Other Debt Expense	-	-	-	773,500	2,029,404	-	2,802,904
Interfund Labor Transfers	(34,378,037)	-	26,660,537	7,692,607	-	24,893	-
<b>Total Expenditures</b>	<b>200,763,399</b>	<b>-</b>	<b>44,096,668</b>	<b>326,398,107</b>	<b>126,471,987</b>	<b>13,198,406</b>	<b>710,928,567</b>
Net Operating Income (Loss)	(195,732,456)	436,597,999	948,975	(205,391,607)	(125,949,387)	(11,952,406)	(101,478,882)
Interfund Transfers	189,526,012	(436,597,999)	-	107,000,000	126,471,987	13,600,000	-
Increase (Decrease) in Fund Bal.	(6,206,444)	-	948,975	(98,391,607)	522,600	1,647,594	(101,478,882)
Percentage of Change	-15%	0%	2%	-38%	1%	7%	-24%
<b>FUND BALANCE E.O.P.</b>	<b>\$35,202,069</b>	<b>\$ -</b>	<b>\$49,376,101</b>	<b>\$161,860,452</b>	<b>\$52,056,113</b>	<b>\$26,422,233</b>	<b>\$324,916,968</b>

**FY22 Fund Basis vs. GAAP Basis Statement of Operations**

	FY22 Budget Fund Basis Statement of Operations	Adjustments	GAAP Basis Statement of Operations	<i>Adjustment Explanation</i>
Operating Revenues:				
Sewer service charges	\$ 442,822,942	\$ -	\$ 442,822,942	
Recovery of (provision for) doubtful sewer service charge	(5,925,600)	-	(5,925,600)	
Licenses, permits, and other fees	3,048,000	-	3,048,000	
Other	1,808,000	-	1,808,000	
Total operating revenues	441,753,342	-	441,753,342	
Operating Expenses:				
Pumping and treatment	72,564,884	(1,982,500)	70,582,384	<i>Capital outlay</i>
Collection system maintenance	55,757,684	(3,361,700)	52,395,984	<i>Capital outlay</i>
Engineering	21,934,126	(8,806,745)	13,127,381	<i>Capital labor</i>
General and administrative	69,085,863	(2,707,497)	66,378,366	<i>Capital labor overhead</i>
Water backup claims	5,000,000	25,000	5,025,000	<i>Prepaid Insurance</i>
Depreciation	-	87,633,312	87,633,312	<i>Depreciation Expense</i>
Asset Management	8,410,000	687,990	9,097,990	<i>Labor allocated from Engineering</i>
Total operating expenses	232,752,557	71,487,860	304,240,418	
Operating Income	209,000,784	(71,487,860)	137,512,924	
Non-operating Revenues:				
Property taxes levied by the District	43,173,943	-	43,173,943	
Investment income	3,609,400	(1,636,204)	1,973,196	<i>Capital interest revenue</i>
Rent and other income	311,000	-	311,000	
Total non-operating revenues	47,094,343	(1,636,204)	45,458,139	
Non-operating Expenses:				
Net gain on disposal and sale of capital assets	(202,000)	1,066,703	864,703	<i>Asset disposals with remaining book value</i>
Non-recurring projects and studies	10,310,000	1,122,941	11,432,941	<i>Labor allocated from Engineering</i>
Interest expense	66,088,187	(24,914,372)	41,173,815	<i>Capital interest expense and loan amortizations</i>
Total non-operating expenses	76,196,187	(22,724,728)	53,471,459	
Income before Capital Contributions	179,898,940	(50,399,336)	129,499,604	
Capital Contributions:				
Utility plant contributed	-	6,491,961	6,491,961	<i>Contributed assets</i>
Grant revenue	1,400,000	(400,000)	1,000,000	<i>Grant revenue</i>
Total capital contributions	1,400,000	6,091,961	7,491,961	
Change in Net Position	\$ 181,298,940	\$ (44,307,376)	\$ 136,991,564	
Balance Sheet Adjustments:				
Revenue Bonds	\$ 119,000,000	\$ (119,000,000)	\$ -	<i>Recorded as an asset on the Balance Sheet</i>
Principle Payments	(61,157,300)	61,157,300	-	<i>Reduces the liability on the Balance Sheet</i>
Construction in Progress	(340,620,522)	340,620,522	-	<i>Recorded as an asset on the Balance Sheet</i>
Net Operating Income (Loss)	\$ (101,478,882)	\$ 238,470,446	\$ 136,991,564	

*Note: All capital and asset related items are recorded on the Balance Sheet for GAAP Statements*

## Long-Term Liabilities for Pension Plans and Other Postemployment Benefits Other Than Pensions (OPEB) Plans

As many other Governmental Organizations across the country, the District faces large-scale, long-term liabilities associated with retiree Pension and OPEB plans. Actuaries determine the amount of the assets that should be set aside now to ensure adequate resources are available in the future. The District's contributions were made and will continue to be made in accordance with the actuarially determined contribution requirements based on actuarial valuations.

The charts below includes liabilities and related ratios for the Pension:

**Schedule of Changes in Net Pension Liability and Related Ratios**  
**In (000's)**

	Calendar Year Ending December 31,					
	2019	2018	2017	2016	2015	2014
Total Pension Liability - Ending (a)	353,994	334,957	326,365	318,049	296,812	290,412
Plan Fiduciary Net Position - Ending (b)	296,201	260,560	277,976	251,010	244,212	250,516
Net Pension Liability - Ending = (a) - (b)	<u>\$ 57,793</u>	<u>\$ 74,397</u>	<u>\$ 48,389</u>	<u>\$ 67,039</u>	<u>\$ 52,600</u>	<u>\$ 39,896</u>
Fiduciary Net Position as a % of Total Pension Liability	<u>83.67%</u>	<u>77.79%</u>	<u>85.17%</u>	<u>78.92%</u>	<u>82.28%</u>	<u>86.26%</u>
Covered Payroll	<u>\$ 36,793</u>	<u>\$ 39,437</u>	<u>\$ 41,869</u>	<u>\$ 42,055</u>	<u>\$ 43,345</u>	<u>\$ 44,664</u>
Net Pension Liability as a % of Covered Payroll	<u>157.08%</u>	<u>188.65%</u>	<u>115.57%</u>	<u>159.41%</u>	<u>121.35%</u>	<u>89.32%</u>

### Notes to Schedule:

1. This schedule will ultimately present ten years of information when available.
2. The District FY20 and FY19 Comprehensive Annual Financial Report in Footnote 7 Pension (starting on page 59) and RSI (page 92 ) will provide more details.



The Districts health plan for employees and retiree is self-insured. The charts below include liabilities and related ratios for the OPEB:

**Schedule of Changes in Net OPEB Liability**  
**In (000's)**

	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
Total OPEB Liability - Ending	<u>\$ 23,165</u>	<u>\$ 24,164</u>	<u>\$ 24,194</u>	<u>\$ 22,839</u>

1. The District FY20 and FY19 Comprehensive Annual Financial Report in Footnote 9 Pension (starting on page 68) will provide more details.



**FY22 BUDGET**



**The Capital Improvement and Replacement Program identifies, prioritizes, establishes scope of work, and oversees completion of wastewater and stormwater related projects.**

**Capital projects are funded via sewer service charges, revenue bonds and tax receipts. Non-capital related projects are funded through the General Fund.**

## **CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM SUMMARY**

The identification and prioritization of projects to be included in the Capital Improvement and Replacement Program (CIRP) is a multi-step process, requiring continuous monitoring and updating to ensure that the highest priority problems within the District are addressed in a timely manner, given funding limitations. These stages include project identification with conceptual solution, preliminary study, final design and construction.

New projects are identified on an ongoing basis to ensure that the District complies with the regulatory requirements of the United States Environmental Protection Agency and Missouri Department of Natural Resources, to address customer problems, remedy deficiencies and implement required collection system and wastewater treatment plant upgrades. At each step in the process the project scope is reevaluated to verify that it continues to meet regulatory requirements and customers' needs. The project cost is updated based on available information, and the project's priority is assessed to ensure that the highest priority projects are funded first.

Upon the initial identification of the regulatory issues, localized problems, or system deficiencies, a conceptual solution is developed, which includes a project scope, cost estimate and priority ranking relative to similar projects. The District creates a project based on this conceptual solution, and the project may then be incorporated into the CIRP based on priority. Before the year in which funding of the project is anticipated, a preliminary study is performed. In this study, scope is reevaluated in greater detail. A project may be rescheduled to a later fiscal year within the CIRP, should priority ranking be reduced due to increased project cost or modification of its scope. Project cost estimates used in the budget preparation process are usually based on the preliminary study stage of the process. Preliminary study cost estimates are based on incomplete information but are intended to be within thirty percent of the design engineer's final estimates.

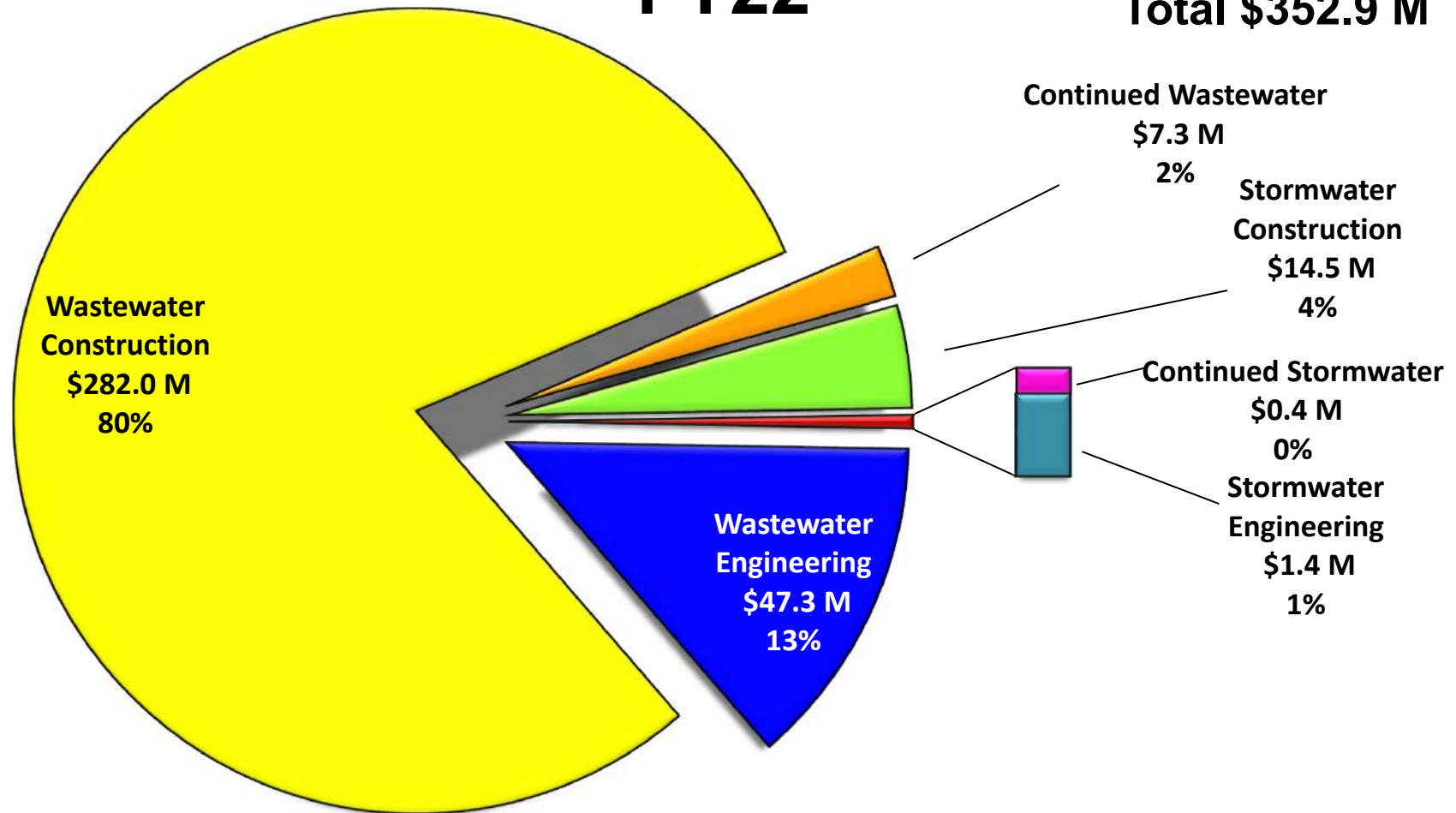
The final design of a project is performed by either the District's Engineering Department staff or by an engineering consultant hired via a qualifications-based selection process. For projects of significant scope and impact, coordination with property owners who will benefit or who will be affected by the construction of the project is achieved at "open-line" meetings hosted by the District. A project is advertised for public bidding a minimum of 30 days, followed by a formal public bid opening. Bids are evaluated to determine the lowest responsive, responsible bidder. A construction contract is then awarded to the lowest responsible, responsive bidder.

Wastewater projects are funded via revenue from the wastewater user charge paid by ratepayers. The user charge also supports the sale of revenue bonds to fund the wastewater program. The Sanitary Replacement Fund is used to pay for capital wastewater work, while the General Fund is used to pay for non-capital wastewater related work. The allocation of a given project's costs between these two funds is an accounting function necessary to facilitate capitalization of District assets. Wastewater projects may also be funded by various Operation, Maintenance, Construction and Improvement (OMCI) Funds, Construction Funds, Special Funds, or the Improvement Fund. Stormwater projects may be funded via the General Fund, Construction Funds, Special Funds, the Improvement Fund, the Districtwide Stormwater Fund, or from various OMCI Funds.

The CIRP for the FY22 budget year is summarized by project type on the following pages. For additional information on the stages of identification and prioritization of projects, please refer to the Program Summary section of the FY22 Budget Supplement.

# Capital Improvement and Replacement Program FY22

Total \$352.9 M



The above does not include the General Fund Project of \$6.4 Million dollars for Oracle Cloud Project for grand total of \$359.4 million.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM**  
**SUMMARY - FY22**

<b><i>TYPE OF PROJECT</i></b>	<b><i>NUMBER OF PROJECTS</i></b>	<b><i>PROJECT COST</i></b>
<b><i>CONSTRUCTION</i></b>		
Wastewater Engineering	67	\$47,253,000
Wastewater Construction	53	281,979,000
Stormwater Engineering	4	1,430,000
Stormwater Construction	<u>16</u>	<u>14,529,522</u>
<b><i>TOTAL:</i></b>	<b><u>140</u></b>	<b><u>\$345,191,522</u></b>
<b><i>CONTINUED</i></b>		
Wastewater Continued	2	\$7,300,000
Stormwater Continued	<u>2</u>	<u>449,000</u>
<b><i>TOTAL:</i></b>	<b><u>4</u></b>	<b><u>\$7,749,000</u></b>
<b><i>TOTAL CIRP:</i></b>	<b><u>144</u></b>	<b><u>\$352,940,522</u></b>

The above does not include the General Fund Project of \$6.4 Million dollars for Oracle Cloud Project for grand total of \$359.4 million.

## Operating Expense Impact of CIRP

Many of the CIRP projects have minor impacts on the O&M costs of the District. Some of these impacts related to additional feet of pipe and I/I removal are quantified in the following pages. Some projects have more significant impacts, and those are discussed below.

### Maline Creek Tunnel Project

A 28-foot diameter underground combined sewer storage facility 3,000 feet in length was constructed as part of the District's solution to eliminate combined sewer overflows. As a part of this project, a 12.5 MGD pump station was constructed which is expected to add approximately \$60 thousand per year in additional electric costs to the District's budget beginning in FY22.

*To learn more about this tunnel, please visit our website for an interactive learning experience full of facts regarding this project.*

<https://msdprojectclear.org/virtual-tours/maline-creek-tunnel-virtual-tour-experience/>

### Gravois Trunk Sanitary Storage Facility

A storage facility with a capacity of 7.8 million gallons was constructed to store wet weather sanitary flows to facilitate the elimination of two constructed sanitary sewer overflows. As part of this project, a pump station was constructed. That pump station is expected to contribute an additional \$50 thousand per year to the District's electrical costs beginning with the FY22 budget year.

*The image at the right shows the two tanks under construction.*



## CIRP PROJECTS WITH IMPACT ON OPERATING COSTS FISCAL YEAR 2022

	CIRP Impact on Operating Costs				
PROJECT DESCRIPTION	Feet Pipe Added	Cost Impact	Project Budget for I/I Removal	Cost Impact	Budget Supplement Page Number
WASTEWATER CONSTRUCTION PROJECTS					
WEBSTER GROVES TRUNK E SANITARY REHABILITATION AND I/I REDUCTION PHASE IV PART 3	3,200	\$ 2,477	\$ -	\$ -	Carryover, No page
HARLEM BADEN RELIEF PHASE IV (HEBERT) - HAMILTON TO DARVER TRUNK SEWER	3,660	2,834	-	-	Carryover, No page
BADEN CITYSHED MITIGATION BASINS (CALVARY, FREDERIK, PARTRIDGE AND TILLIE) - SEPARATION SEWERS	11,000	8,516	-	-	69
CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	1,680	1,301	-	-	73
CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT	1,283	993	-	-	75
CLAYTON RD 9925 SANITARY SEWER REPLACEMENT	395	306	-	-	79
COLDWATER SANITARY RELIEF SECTION B, C & D - SECTION B REHABILITATION	-	-	1,600,000	(640)	80
DC-02 & DC-03 SANITARY RELIEF (BRENTWOOD BLVD TO CONWAY RD) PHASE III AND PHASE IV	16,200	12,542	-	-	83
DOLAN PLACE AND GRANDVIEW PLACE COMBINED SEWER RELIEF	610	472	-	-	85
EARTH CITY UPS PUMP STATION (P-702) REPLACEMENT PHASE II	394	305	-	-	87
FENTON CREEK PUMP STATION (P-425) IMPROVEMENTS	1,540	1,192	-	-	89
FF-07 FEE FEE CREEK SANITARY RELIEF (MEADOWSIDE DR TO WILLOW BROOK DR)	3,700	2,865	-	-	90
FISHPOT TRUNK WEST AND ED LOU LANE I/I REDUCTION (SMITH DR AND VLASIS DR)	343	266	-	-	91
GEYER SANITARY RELIEF AND WINDSOR SPRINGS P-521 STORAGE (BIG BEND BLVD TO WINDSOR SPRINGS DR)	6,460	5,001	-	-	92
GRAND GLAIZE TRUNK SANITARY RELIEF (BALLWIN GOLF CLUB TO CLAYMONT COVE CT)	1,935	1,498	-	-	93
HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE IB	324	251	-	-	94
INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT A	-	-	2,500,000	(1,000)	96
INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT B	-	-	2,500,000	(1,000)	97
LEMAY PUBLIC I/I REDUCTION AND REHABILITATION (2022) CONTRACT A	-	-	2,932,000	(1,173)	100
LOUISVILLE AVENUE AND OAKLAND AVENUE COMBINED SEWER RELIEF	1,750	1,355	-	-	101
MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	9,050	7,007	-	-	109
OAKWOOD FARMS PUMP STATION (P-470) ELIMINATION	920	712	-	-	112
PRICE TO PIONEER SANITARY RELIEF	5,665	4,386	-	-	113
SCHUETZ ROAD SANITARY RELIEF (FOREST BROOK LN TO SUNNY WOOD CT)	1,033	800	-	-	114
SOUTH BROADWAY AT MERAMEC COMBINED SEWER REPLACEMENT	1,700	1,316	-	-	116
ST. GEORGE CREEK SANITARY RELIEF (DAISY LN TO GRAVOIS RD TO NEW HAMPSHIRE AVE)	2,510	1,943	-	-	117
ST. JACQUES SANITARY RELIEF (ST. JACQUES ST TO N LAFAYETTE ST)	349	270	-	-	118
SUB-TRUNK #2 SANITARY RELIEF (BIRMINGHAM CT TO COVE LN)	4,400	3,406	-	-	119
SUB-TRUNK #3 SANITARY RELIEF (MURIEL DR TO JENNER LN)	4,300	3,329	-	-	120
TREVILLIAN 20 AND 50 SANITARY SEWER REPLACEMENT	360	279	-	-	121
WASHINGTON TERRACE 14 SEWER REPLACEMENT	100	77	-	-	122
WATKINS CREEK PUMP STATION (P-101) FORCEMAIN REPLACEMENT (COAL BANK RD TO SPRING GARDEN DR)					
Total Wastewater Construction Projects	84,861	\$ 65,699	\$ 9,532,000	\$ (3,813)	

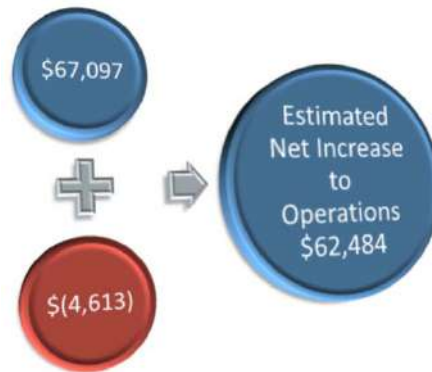


## CIRP PROJECTS WITH IMPACT ON OPERATING COSTS FISCAL YEAR 2022

	CIRP Impact on Operating Costs				
PROJECT DESCRIPTION	Feet Pipe Added	Cost Impact	Project Budget for I/I Removal	Cost Impact	Budget Supplement Page Number
STORMWATER CONSTRUCTION PROJECTS					
BROADHEAD #921 STORM SEWER	176	\$ 136	\$ -	\$ -	146
DEKAMAY DRIVE STORM SEWER (MGJB-130)	1,050	813	-	-	149
ORCHARD AND WINDSOR LANE STORM SEWER	579	448	-	-	153
STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2022)	-	-	2,000,000	(800)	157
Total Stormwater Construction Projects	1,805	\$ 1,397	\$ 2,000,000	\$ (800)	
TOTAL	86,666	\$ 67,097	\$11,532,000	\$ (4,613)	

**NOTES:**

1. Only projects with an impact on operating costs are included here. For a full list of projects, please see the FY18 Budget Supplement located in the appendix.
2. Projects that include rehabilitation or replacement will result in a savings in operating costs due to reduced need for preventive maintenance and possible basement back-ups. Inflow and Infiltration (I/I) projects results in less wastewater being processed at treatment facilities. Sewer separation and relief projects result in added sewer pipe so an added cost is expected in maintenance of those structures.



## **WASTEWATER CONSTRUCTION PROJECTS**

The projects described in this section are related to construction, rehabilitation or maintenance repair of sanitary or combined sewers, pump stations and force mains improvements to existing treatment plants, and the reduction of inflow and infiltration into the sewer system. These types of projects help alleviate building backups, address regulatory issues, enable the removal of sanitary and combined sewer overflows, and rebuild part of our aging infrastructure system. Fifty-three (53) projects are to be funded at a total estimated cost of \$281,979,000.

The District's revenue sources for construction of most of these projects are the Sanitary Replacement Fund and the General Fund, which receive money from wastewater user charges and from the sale of revenue bonds. The remaining projects will be funded with revenues from the Stormwater Regulatory Fund\*, and Special Funds. The property taxes collected within the boundaries of the OMCI Taxing Districts must be spent for improvements within their specific areas of collection. The Improvement Fund also receives revenues from various connection fees.

*\*The Stormwater Regulatory Fund is generally reserved for stormwater expenses, but the wastewater project planned for this fund is related to the wastewater consent decree and includes stormwater regulatory benefits.*

## PROJECT LISTING FY22 WASTEWATER CONSTRUCTION PROJECTS

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
1101 - General Fund			
CSO VOLUME REDUCTION GREEN INFRASTRUCTURE	Various	\$5,000,000	81
CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES	Various	\$3,000,000	82
<b>Subtotal: Number of Projects 2</b>		<b>\$8,000,000</b>	
5110 - Stormwater Regulatory Fund			
CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)		\$320,000	74
CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT		\$60,000	76
<b>Subtotal: Number of Projects 1</b>		<b>\$380,000</b>	
6660 - Sanitary Replacement Fund			
BADEN CITYSHED MITIGATION BASINS (CALVARY, FREDERIK, PARTRIDGE AND TILLIE) - SEPARATION SEWERS	St. Louis City	\$4,000,000	69
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT A	Various	\$4,216,000	70
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT B	Various	\$2,906,000	71
BISSELL POINT WWTF TRICKLING FILTER MEDIA REPLACEMENT	St. Louis City	\$11,000,000	72
CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	Northwoods	\$1,084,000	73
CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT	Hazelwood	\$1,240,000	75
CAULKS CREEK A PUMP STATION (P-750) IMPROVEMENTS	Chesterfield	\$5,000,000	77
CLAYTON MERAMEC ELEMENTARY PRIVATE I/I REMOVAL (S. MERAMEC AVE AT WALINCA TER)	Clayton	\$500,000	78
CLAYTON RD 9925 SANITARY SEWER REPLACEMENT	Ladue	\$285,000	79
COLDWATER SANITARY RELIEF SECTION B, C & D - SECTION B REHABILITATION	Unincorporated	\$1,600,000	80
DC-02 & DC-03 SANITARY RELIEF (BRENTWOOD BLVD TO CONWAY RD) PHASE III AND PHASE IV	Ladue	\$17,500,000	83
DEER CREEK SANITARY TUNNEL (CLAYTON RD TO RDP) - PUMP STATION	Shrewsbury	\$15,000,000	84
DOLAN PLACE AND GRANDVIEW PLACE COMBINED SEWER RELIEF	St. Louis City	\$3,000,000	85
EARTH CITY EXPRESSWAY PUMP STATION (P-708) REPLACEMENT	Unincorporated	\$1,700,000	86
EARTH CITY UPS PUMP STATION (P-702) REPLACEMENT PHASE II	Unincorporated	\$1,500,000	87
EASEMENT ACQUISITION FOR WASTEWATER PROJECTS (2022)	Various	\$3,500,000	88
FENTON CREEK PUMP STATION (P-425) IMPROVEMENTS	Unincorporated	\$930,000	89

## PROJECT LISTING FY22 WASTEWATER CONSTRUCTION PROJECTS

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
6660 - Sanitary Replacement Fund - Continued			
FF-07 FEE FEE CREEK SANITARY RELIEF (MEADOWSIDE DR TO WILLOW BROOK DR)	Unincorporated	\$600,000	90
FISHPOT TRUNK WEST AND ED LOU LANE I/I REDUCTION (SMITH DR AND VLASIS DR)	Ballwin	\$300,000	91
GEYER SANITARY RELIEF AND WINDSOR SPRINGS P-521 STORAGE (BIG BEND BLVD TO WINDSOR SPRINGS DR)	Various	\$5,030,000	92
GRAND GLAIZE TRUNK SANITARY RELIEF (BALLWIN GOLF CLUB TO CLAYMONT COVE CT)	Ballwin	\$740,000	93
HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE IB	Brentwood	\$3,000,000	94
INFRASTRUCTURE REPAIRS (FACILITIES) (2022)	Various	\$3,000,000	95
INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT A	Various	\$2,500,000	96
INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT B	Various	\$2,500,000	97
INFRASTRUCTURE REPAIRS (WASTEWATER) (2022)	Various	\$7,000,000	98
JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)	Unincorporated	\$35,000,000	99
LEMAY PUBLIC I/I REDUCTION AND REHABILITATION (2022) CONTRACT A	Various	\$2,932,000	100
LOUISVILLE AVENUE AND OAKLAND AVENUE COMBINED SEWER RELIEF	St. Louis City	\$2,275,000	101
LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	Various	\$48,000,000	102
LOWER MERAMEC WWTF - ADMINISTRATION BUILDING FACILITY IMPROVEMENTS	Unincorporated	\$1,800,000	103
LOWER MERAMEC WWTF - INFLUENT PUMP STATION IMPROVEMENTS	Unincorporated	\$17,500,000	104
LOWER MERAMEC WWTF - SOLIDS HANDLING EQUIPMENT REPLACEMENT	Unincorporated	\$3,900,000	105
LOWER MERAMEC WWTF CORROSION AND HUMIDITY CONTROL IMPROVEMENTS PHASE II	Unincorporated	\$2,700,000	106
LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$30,000,000	107
LOWER MERAMEC WWTF FITTING REPLACEMENT	Unincorporated	\$1,800,000	108
MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	Various	\$2,000,000	109
MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	Various	\$4,000,000	110
MISSOURI RIVER WWTF DIGESTER GAS STORAGE COVER REPLACEMENT	Maryland Heights	\$1,289,000	111
OAKWOOD FARMS PUMP STATION (P-470) ELIMINATION	Ballwin	\$445,000	112
PRICE TO PIONEER SANITARY RELIEF	Olivette	\$4,000,000	113
SCHUETZ ROAD SANITARY RELIEF (FOREST BROOK LN TO SUNNY WOOD CT)	Unincorporated	\$753,000	114
SHREWSBURY SANITARY RELIEF SEWER AND I/I REDUCTION (WEIL AVE AND I-44)	Various	\$980,000	115
SOUTH BROADWAY AT MERAMEC COMBINED SEWER REPLACEMENT	St. Louis City	\$1,500,000	116
ST. GEORGE CREEK SANITARY RELIEF (DAISY LN TO GRAVOIS RD TO NEW HAMPSHIRE AVE)	Unincorporated	\$3,305,000	117
ST. JACQUES SANITARY RELIEF (ST. JACQUES ST TO N LAFAYETTE ST)	Florissant	\$155,000	118
SUB-TRUNK #2 SANITARY RELIEF (BIRMINGHAM CT TO COVE LN)	Unincorporated	\$2,515,000	119

**PROJECT LISTING FY22  
WASTEWATER CONSTRUCTION PROJECTS**

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
6660 - Sanitary Replacement Fund - Continued			
SUB-TRUNK #3 SANITARY RELIEF (MURIEL DR TO JENNER LN)	Unincorporated	\$1,905,000	120
TREVILLIAN 20 AND 50 SANITARY SEWER REPLACEMENT	Various	\$435,000	121
WASHINGTON TERRACE 14 SEWER REPLACEMENT	St. Louis City	\$279,000	122
WATKINS CREEK PUMP STATION (P-101) FORCEMAIN REPLACEMENT (COAL BANK RD TO SPRING GARDEN DR)	St. Louis City	\$1,600,000	123
WATKINS CREEK PUMP STATION (P-101) REPLACEMENT	Unincorporated	\$2,900,000	124
		<b>\$273,599,000</b>	
<i>Subtotal: Number of Projects 52</i>			
		<b>\$281,979,000</b>	
<b>TOTAL: NUMBER OF PROJECTS 56</b>			

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**Note:** Highted projects have split funding, these projects include both wastewater and stormwater work. Those projects will have one budget lines for each budgeted fund but are counted as one project .

## **WASTEWATER ENGINEERING PROJECTS**

The projects described in this section relate to the preliminary or final design of new or rehabilitated sanitary and combined sewer systems, pump stations, force mains, and treatment plants. Also included in this section are projects relating to combined and separate sewer overflow elimination and separation projects, additional appropriations for combined and separate sewer area inflow/infiltration assessments, combined and separate sewer area CCTV inspections and physical inspection of sewers, construction management services, and continued funding of the District's Watershed Design efforts. The construction phase of design projects are planned in later fiscal years due to the complexity of the designs, the size of the projects, and the time required to obtain needed easements.

Sixty-seven (67) wastewater engineering projects are planned at a total estimated cost of \$47,253,000. The cost estimates indicated are for only the required engineering work and do not include construction. The project scopes are fully described in the Budget Supplement document located in the appendix. The District's revenue sources for the majority of these projects are from the Sanitary Replacement Fund and the General Fund.

## PROJECT LISTING FY22 WASTEWATER ENGINEERING PROJECTS

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
<b>1101 - General Fund</b>			
CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2020)	Various	\$2,500,000	9
CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2020)	Various	\$1,700,000	15
FLOW METERING AND MONITORING (2022)	Various	\$2,500,000	21
GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT A	Various	\$75,000	29
GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT B	Various	\$75,000	30
GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT C	Various	\$75,000	31
GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT D	Various	\$75,000	32
<b>LOWER &amp; MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)</b>	Various	\$150,000	44
RADAR RAINFALL DATA (2020)	Various	\$150,000	53
RDP TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED	Various	\$600,000	54
ST. LOUIS COMBINED SEWER OVERFLOWS PROGRAM - CORPS OF ENGINEERS - PHASE II	Various	\$10,000	60
STREAM FLOW GAUGE OPERATION AND MAINTENANCE (USGS)	Various	\$540,000	62
STREAM FLOW WATER QUALITY SAMPLING (2020)	Various	\$270,000	63
WET WEATHER OPTIMIZATION STUDY	Various	\$1,500,000	67
<b>Subtotal: Number of Projects 14</b>		<b>\$10,220,000</b>	
<b>6660 - Sanitary Replacement Fund</b>			
ARV ELLEN SANITARY RELIEF (TESSON CREEK ESTATES DR TO MADAFORD LN)	Unincorporated	\$95,000	1
BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$2,050,000	2
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT C	Various	\$48,000	3
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT D	Various	\$58,000	4
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT E	Various	\$87,000	5
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT F	Various	\$52,000	6
BURNING TREE INFRASTRUCTURE REPAIR (N. WATERFORD DR TO FOX RUN DR)	Florissant	\$103,000	7
CAULKS CREEK PUMP STATION B (P-751) RELOCATION	Chesterfield	\$1,035,000	8
CLARK AVE SANITARY RELIEF (LACLEDE STA RD TO YEATMAN AVE)	Webster Groves	\$323,000	10
CONSTRUCTION MANAGEMENT SERVICES - LOWER AND MIDDLE RDP TUNNEL FACILITIES	Various	\$2,700,000	11
CONSTRUCTION MANAGEMENT SERVICES - LOWER MERAMEC AND DEER CREEK TUNNELS	Various	\$4,800,000	12
CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES	Various	\$7,000,000	13
CONWAY ROAD SANITARY RELIEF (CONWAY LN TO DWYER AVE)	Ladue	\$108,000	14
CSO - MARY AVENUE SOUTH OF MANCHESTER CSO INTERCEPTOR (I-132)/OUTFALL (L-106) ELIMINATION PHASE II	Brentwood	\$150,000	16

## PROJECT LISTING FY22 WASTEWATER ENGINEERING PROJECTS

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
6660 - Sanitary Replacement Fund - Continued			
CSO - SHREWSBURY AVE CSO INTERCEPTOR (I-293)/OUTFALL (L-166) SEWER SEPARATION	Shrewsbury	\$450,000	17
DANIEL BOONE - LAWNVIEW CREEK I/I REDUCTION	Unincorporated	\$161,000	18
ELTORA WET WEATHER STORAGE FACILITY	Pagedale	\$100,000	19
FILLMORE PUMP STATION (P-308) REHABILITATION	St. Louis City	\$300,000	20
GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2022)	Various	\$2,000,000	22
GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2018) CONTRACT B	Various	\$50,000	23
GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT A	Various	\$475,000	24
GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT B	Various	\$250,000	25
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT A	Various	\$85,000	26
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT B	Various	\$85,000	27
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT C	Various	\$85,000	28
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT A	Various	\$50,000	33
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT B	Various	\$50,000	34
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT C	Various	\$50,000	35
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT D	Various	\$50,000	36
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT E	Various	\$50,000	37
HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE I	Various	\$200,000	38
HARLEM - BADEN RELIEF PHASE IV (HEBERT) BUILDING DEMOLITION AND DESIGN	St. Louis City	\$600,000	39
HAWTHORNE ESTATES SANITARY RELIEF (RANCH LN TO CLAYTON HILLS LN)	Town and Country	\$319,000	40
JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)	Unincorporated	\$400,000	41
L51 PUMP STATION FORCEMAIN IMPROVEMENTS	Various	\$1,161,000	42
LINDBERGH SANITARY RELIEF (MEADOWSIDE DR TO N LINDBERGH BLVD)	Unincorporated	\$401,000	43
LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$270,000	45
LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	Various	\$650,000	46
LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$1,000,000	47
LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$2,000,000	48
MCCUTCHEON RD AND THORNDILL SANITARY RELIEF	Richmond Heights	\$405,000	49
MULBERRY CREEK SANITARY RELIEF (HARWICH DR TO S LINDBERGH BLVD)	Crestwood	\$531,000	50
NORMANDIE SANITARY RELIEF (PAGE AVE TO SAINT CHARLES ROCK ROAD)	Unincorporated	\$1,661,000	51
PUMP STATION REPLACEMENT PROJECTS (PHASE I)	Various	\$150,000	52
SCADA SYSTEM UPGRADE	Various	\$1,000,000	55
SMITH CREEK LADUE ROAD SANITARY RELIEF (ROYAL MANOR DR TO HEWLETT CT)	Creve Coeur	\$518,000	56



**PROJECT LISTING FY22  
WASTEWATER ENGINEERING PROJECTS**

<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u> <sup>(1)</sup></b>
6660 - Sanitary Replacement Fund - Continued			
SPIRIT 2 FORCEMAIN IMPROVEMENTS (P-736 TO P-750)	Chesterfield	\$220,000	57
SPOEDE ROAD SANITARY SEWER IMPROVEMENTS	Creve Coeur	\$120,000	58
ST. JOACHIM'S SANITARY RELIEF (ST. GENEVIEVE LN TO LYNROS DR)	St. Ann	\$550,000	59
ST. MATTHIAS SANITARY RELIEF (ST. SHAWN LN TO STONEHARD DR)	St. Ann	\$306,000	61
UPPER FISHPOT EAST SANITARY RELIEF (FIELD AVE TO WOLFF LN)	Ellisville	\$404,000	64
WATKINS-SPANISH SANITARY RELIEF (MALAGA ST TO TRAMPE AVE)	Unincorporated	\$363,000	65
WESTWOOD COUNTRY CLUB SANITARY RELIEF (DEER CREEK TO WESTWOOD CT)	Westwood	\$513,000	66
WOODSON SANITARY RELIEF (FLORA AVE TO LACKLAND RD)	Overland	\$391,000	68
<b>Subtotal: Number of Projects 54</b>		<b>\$37,033,000</b>	
<b>TOTAL: NUMBER OF PROJECTS 68</b>		<b>\$47,253,000</b>	

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**Note:** Highted projects have split funding, these projects include both wastewater and stormwater work. Those projects will have one budget lines for each budgeted fund but are counted as one project .

## **STORMWATER CONSTRUCTION PROJECTS**

The projects described in this section are related to constructing storm sewers, channels, and creek bank stabilization, which will help alleviate flooding and erosion problems. There are sixteen (16) projects planned at a total estimated cost of \$14,529,522.

The District's revenue sources for these projects are from the Stormwater Regulatory Fund, Districtwide Stormwater Fund and from the property tax revenue in various Operation, Maintenance, Construction and Improvement (OMCI) Funds currently established throughout the District.

**PROJECT LISTING FY22  
STORMWATER CONSTRUCTION PROJECTS**

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
5110 - Stormwater Regulatory Fund			
STORMWATER QUALITY GREEN INFRASTRUCTURE - SMALL GRANT RAINSCAPING PROGRAM	Various	\$200,000	158
<b>Subtotal: Number of Projects 1</b>		<b>\$200,000</b>	
5120 - Districtwide Stormwater Fund			
BROADHEAD #921 STORM SEWER	Unincorporated	\$265,000	146
DEKAMAY DRIVE STORM SEWER (MGJB-130)	Unincorporated	\$355,000	149
ORCHARD AND WINDSOR LANE STORM SEWER	Kirkwood	\$250,000	153
STORMWATER INFRASTRUCTURE REPAIRS (2022)	Various	\$6,000,000	156
STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2022)	Various	\$2,000,000	157
WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT	Unincorporated	\$395,000	161
<b>Subtotal: Number of Projects 6</b>		<b>\$9,265,000</b>	
5564 - Coldwater Creek OMCI Fund			
COLDWATER CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$1,076,519	147
<b>Subtotal: Number of Projects 1</b>		<b>\$1,076,519</b>	
5566 - Deer Creek OMCI Fund			
DEER CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$1,958,164	148
EASEMENT ACQUISITION FOR DEER CREEK OMCI PROJECTS (2021)	Various	\$350,000	150
<b>Subtotal: Number of Projects 2</b>		<b>\$2,308,164</b>	
5571 - Gravois Creek			
RECO AVENUE BANK STABILIZATION	Crestwood	\$250,000	154
<b>Subtotal: Number of Projects 1</b>		<b>\$250,000</b>	

**PROJECT LISTING FY22  
STORMWATER CONSTRUCTION PROJECTS**

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
5576 - Maline Creek OMCI Fund			
EASEMENT ACQUISITION FOR MALINE OMCI PROJECTS (2021)	Various	\$80,000	151
<b>Subtotal: Number of Projects 1</b>		<b>\$80,000</b>	
5583 - Sugar Creek OMCI Fund			
SUGAR CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$149,498	159
<b>Subtotal: Number of Projects 1</b>		<b>\$149,498</b>	
5584 - University City OMCI Fund			
EASEMENT ACQUISITION FOR UNIVERSITY CITY OMCI PROJECTS (2021)	Various	\$95,000	152
UNIVERSITY CITY OMCI REIMBURSEMENTS PROGRAM	Various	\$495,049	160
<b>Subtotal: Number of Projects 2</b>		<b>\$590,049</b>	
5587 - Watkins Creek OMCI Fund			
WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT		<b>\$486,000</b>	162
<b>Subtotal: Number of Projects 1</b>		<b>\$486,000</b>	
5593 - Sem Br Of River Des Peres OMCI Fund			
SEMINARY OMCI REIMBURSEMENTS PROGRAM		<b>\$124,292</b>	155
<b>Subtotal: Number of Projects 1</b>		<b>\$124,292</b>	
<b>TOTAL: NUMBER OF PROJECTS 17</b>		<b>\$14,529,522</b>	

(1) The Page refers to the page number in the Budget Supplement Appendix

**Note:** Indicated projects have split funding, these projects include both wastewater and stormwater work. Those projects will have one budget lines for each budgeted fund but are counted as one project .

## **STORMWATER ENGINEERING PROJECTS**

There are four (4) stormwater engineering projects planned at a total estimated cost of \$1,430,000. The cost estimates indicated are for only the required engineering work and do not include construction. The scope of the projects is fully described in the budget supplement located in the appendix.

The District's revenue sources for these projects are from the Districtwide Stormwater Fund and from the property tax revenue in various Operation, Maintenance, Construction and Improvement (OMCI) Funds currently established throughout the District.

**PROJECT LISTING FY22  
STORMWATER ENGINEERING PROJECTS**

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
5110 - Stormwater Regulatory Fund			
GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2021)	Various	\$100,000	142
<b>Subtotal: Number of Projects 1</b>		<b>\$100,000</b>	
5120 - Districtwide Stormwater Fund			
HALL STREET STORM SEWERS	St. Louis City	\$500,000	144
STORMWATER ASSET INVESTIGATIONS (2022)	Various	\$800,000	145
<b>Subtotal: Number of Projects 2</b>		<b>\$1,300,000</b>	
5571 - Gravois Creek OMCI Fund			
GRAVOIS CREEK OMCI STORMWATER DESIGN (CONTRACT F)	Various	\$30,000	143
<b>Subtotal: Number of Projects 1</b>		<b>\$30,000</b>	
<b>TOTAL: NUMBER OF PROJECTS 4</b>		<b>\$1,430,000</b>	

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**Note:** Highted projects have split funding, these projects include both wastewater and stormwater work. Those projects will have one budget lines for each budgeted fund but are counted as one project .

### **CONTINUED WASTEWATER PROJECTS**

Some of the District's Wastewater Projects are continued from previous fiscal years due to difficulties in easement acquisition, the permit process from other agencies, design revisions or status, or other special requirements or issues.

There are two (2) wastewater projects that were identified in previous budget supplements that are on the continued list.

These projects have a total estimated cost of \$7,300,000.

The District's revenues to construct these projects are from the Sanitary Replacement Fund.

**PROJECT LISTING FY22  
WASTEWATER CONTINUED PROJECTS**

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
6660 - Sanitary Replacement Fund			
WEBSTER GROVES TRUNK E SANITARY REHABILITATION AND I/I REDUCTION PHASE IV PART 3	Webster Groves	\$1,300,000	Carryover, no page
HARLEM BADEN RELIEF PHASE IV (HEBERT) - HAMILTON TO DARVER TRUNK SEWER	Various	\$6,000,000	Carryover, no page

**TOTAL: NUMBER OF PROJECTS 2** \$7,300,000



### **CONTINUED STORMWATER PROJECTS**

Some of the District's Stormwater Projects are continued from previous fiscal years due to difficulties in easement acquisition, the permit process from other agencies, design revisions or status, or other special requirements or issues.

There are two (2) stormwater projects that were identified in previous budget supplements that are on the continued list.

These projects have a total estimated cost of \$449,000.

The District's revenues to construct these projects are from the appropriate Operation, Maintenance, Construction, and Improvement (OMCI) Funds, or the Districtwide Stormwater Fund.

**PROJECT LISTING FY22  
STORMWATER CONTINUED PROJECTS**

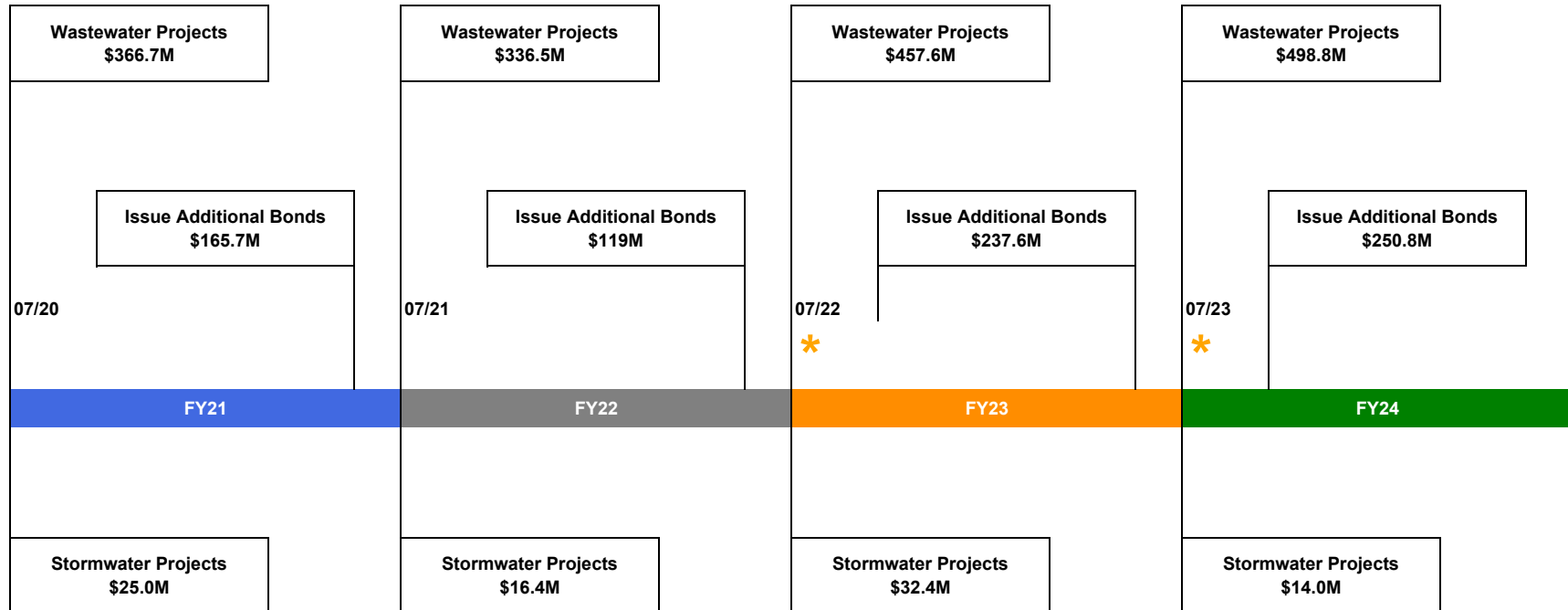
<u><b>PROJECT NAME</b></u>	<u><b>MUNICIPALITY</b></u>	<u><b>COST ESTIMATE</b></u>	<u><b>PAGE</b></u> <sup>(1)</sup>
5566 - Deer Creek OMCI Fund			
TIMBER TRAIL - BRIAR RIDGE CHANNEL IMPROVEMENTS	Frontenac	\$249,000	Carryover, no page
<b>Subtotal: Number of Projects 1</b>		<b>\$249,000</b>	
5584 - University City OMCI Fund			
SIMS AVE STORM BUYOUT	Overland	\$200,000	Carryover, no page
<b>Subtotal: Number of Projects 1</b>		<b>\$200,000</b>	
<b>TOTAL: NUMBER OF PROJECTS 2</b>		<b>\$449,000</b>	

(1) The Page refers to the page number in the Budget Supplement Appendix

# MSD CIRP Proposed Funding Timeline

Through June 30, 2024

## WASTEWATER



## STORMWATER

\* Represents a rate increase (FY23 & FY24 are proposed rate increases)

**Note:** The FY22 numbers doesn't include the General Fund Project of \$6.4 Million dollars for Oracle Cloud Project for grand total of \$359.4 million. The FY24 Construction and Engineering expense has been adjusted by -12.0% for delays and -8.4% of the FY21 forecast for liquidations which is a process consistent with that used by MSD in its Rate Change Proposals. As a result of these adjustments, the Construction and Engineering FY24 expense on this page is higher than what is shown on the Consolidated Statement of Change in Fund Balance page.

# Multi-Decade Capital Improvement and Replacement Program

## Fiscal Year 2003 to Fiscal Year 2028

(\$s in millions)

Program/Year	2003 - 2012 Actuals	2013 Actual	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Forecast	2022 Budget	Total 2003 -2022	Total 2023 -2028	Total 2003 -2028
Collection System Improvement	\$818.0	\$160.3	\$203.4	\$230.7	\$262.9	\$258.5	\$269.3	\$283.7	\$230.8	\$317.4	\$261.5	\$3,296.5	\$1,393.1	\$4,689.6
Treatment Plant Improvements	726.7	29.7	9.1	17.5	7.1	4.8	16.6	6.4	24.5	29.5	75.0	946.9	803.9	1,750.8
Stormwater	99.0	5.1	5.2	5.5	6.1	22.9	7.5	21.6	16.1	23.3	16.4	228.7	85.0	313.7
Other	12.4	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	13.9
<b>TOTAL</b>	\$1,656.2	\$195.1	\$217.7	\$253.7	\$277.6	\$286.2	\$293.4	\$311.7	\$271.4	\$370.2	\$352.9	\$4,486.1	\$2,282.0	\$6,768.1

Capital Improvement and Replacement Program represented in amounts appropriated or currently estimated amounts to be appropriated

**PROJECT LISTING  
CAPITALIZED BY ACCOUNTING  
FY20**

<u>PROJECT NUMBER</u>	<u>PROJECT NAME</u>	<u>BUDGET</u>	<u>ACTUAL</u>	<u>VARIANCE</u>
11705	SAN IR 2016	4,418,230	4,414,180	4,050
11842	IR DEER OMC I	440,861	324,647	116,215
11843	IR GRAVOIS OMC I	237,246	237,246	-
12007	WASTEWATER IR 2017	3,213,827	3,204,974	8,853
12008	WASTEWATER IR 2018	3,668,429	3,541,380	127,049
12428	LEMAY WWTF CONCRETE PRES	2,562,894	2,523,887	39,008
12608	IR UNIVERSITY CITY OMC I	335,000	104,877	230,123
12673	STORM IR 2018 DISTRICTWIDE	1,229,011	1,199,449	29,561
12674	STORM IR 2019 DISTRICTWIDE	372,252	372,252	-
12678	STORM IR 2019 ORIGINAL AREA	126,682	80,688	45,994
10009	JETT DRIVE #10129 STORM SEWER	179,210	129,216	49,994
10021	DC-02 & DC-03 SANITARY RELIEF (BRENTWOOD BLVD TO CONWAY RD) PHASE I	29,416,254	28,979,547	436,707
10026	UPPER MALINE TRUNK SANITARY RELIEF PHASE IV SECTION A	19,878,000	19,450,239	427,761
10237	WOODS MILL SANITARY RELIEF (SKME-020)	6,583,964	4,587,011	1,996,953
10347	ROSEWOOD LANE & WOODARD DR. STORM SEWER	1,060,000	1,013,677	46,323
10348	CONWAY - CLERBROOK STORM CHANNEL	1,215,780	1,168,874	46,906
10390	RIDGEMOOR DRIVE I/I REDUCTION & STORM IMPROVEMENTS (SKME-574)	2,347,700	2,125,971	221,729
10425	CREVE COEUR CREEK (L-52) FORCE MAIN IMPROVEMENTS	5,534,408	5,318,437	215,970
10485	CC-14 CREVE COEUR CREEK SANITARY RELIEF (SKME-026) PHASE I AND PHASE II	4,232,897	3,315,718	917,179
10489	FF-15 MCKELVEY/R.R. TO ADIE SANITARY RELIEF PHASE III	12,400,140	12,098,586	301,554
10540	BROWN TO EMINENCE	828,059	802,230	25,829
10656	Caulks Ph. VI 93077H	12,837,300	12,371,064	466,236
11003	HERMITAGE HILLS BANK STABILIZATION (FRONTENAC 3-1)	438,419	365,263	73,156
11005	OAK VALLEY EAST STORM SEWER (FRONTENAC 1-2)	185,000	185,000	-
11026	WINCHESTER DRIVE 7120 BANK STABILIZATION	305,507	277,367	28,141
11086	WEBSTER ACRES SANITARY SEWER REPLACEMENT	1,765,875	1,734,713	31,162
11115	CLAVERACH PARK I/I REDUCTION AND SEWER SEPARATION	4,464,225	3,891,531	572,694
11222	Tealwood & Beaver Dr	833,401	779,213	54,188
11299	DICKENS AVENUE #470 STORM SEWER	38,000	25,861	12,139
11420	SAXONHALL DRIVE #10965 STORM SEWER	85,000	70,676	14,324
11477	WISE AND WEST PARK STORM IMPROVEMENT	201,845	186,500	15,345
11488	MAR ANN CT. #9819 STORM IMPROVEMENT	262,902	232,703	30,199
11501	BELDON DRIVE STORM SEWER	439,411	436,371	3,041
11594	MARTYRIDGE CT. #4307 STORM SEWER (MGMB-170)	228,300	162,145	66,155
11604	VILLAGE MEAD DR. #294 STORM SEWER	33,443	30,228	3,215
11661	MARTIGNEY I/I REDUCTION	2,048,070	1,866,690	181,380
11672	UNIVERSITY CITY I/I REDUCTION - WEST	2,494,785	2,289,784	205,001
11677	WEBSTER GROVES TRUNK E SANITARY REHABILITATION AND I/I REDUCTION PHASE III	911,900	638,399	273,501

<u>PROJECT NUMBER</u>	<u>PROJECT NAME</u>	<u>BUDGET</u>	<u>ACTUAL</u>	<u>VARIANCE</u>	
11685	BISL HILLS/CALUMET I/I	2,049,262	1,980,749	68,513	
11686	BISSELL POINT I/I REDUCTION (BP-619) (VALLEY DR)	1,273,144	1,145,717	127,427	
11689	BLACK CREEK I/I REDUCTION	5,842,240	4,197,162	1,645,078	
11694	NORTH BADEN CREEK I/I REDUCTION (BP-612) (CANTERBURY DR)	926,805	903,394	23,411	
11698	PICKWICK - BERNADINE - BIMINI SANITARY RELIEF	3,056,326	2,611,710	444,616	
11700	PROVIDENCE SANITARY RELIEF (SKME-640)	1,679,000	1,634,095	44,905	
11708	INFRASTRUCTURE REPAIRS (REHABILITATION) (FY2015) CONTRACT A	5,000,000	4,624,922	375,078	
11714	LADUE SUBTRUNK SANITARY RELIEF (SKME-654)	981,413	924,942	56,471	
11730	CSO - GINGRAS CREEK AND I/I REDUCTION (BP-059)	6,972,940	6,512,479	460,460	
11738	DIXIE I/I REDUCTION	3,509,894	3,228,301	281,593	
11747	FF-04 QUIET VILLAGE SANITARY RELIEF (THAMES COURT TO FIESTA CIRCLE)	1,663,025	1,523,014	140,011	
11750	FORESTATE AND TEXAS SANITARY RELIEF (SKME-513)	3,036,246	3,010,843	25,403	
11825	CREVE COEUR CREEK (L-52) FORCE MAIN IMPROVEMENTS PHASE II	5,359,071	2,817,193	2,541,878	
11836	INFRASTRUCTURE REPAIRS (REHABILITATION) (FY2012) CONTRACT C	5,800,000	5,013,291	786,709	
11850	DEER CREEK PUBLIC I/I REDUCTION (2015)	4,921,509	3,979,450	942,059	
11868	INFRASTRUCTURE REPAIRS (REHABILITATION) (FY2016) CONTRACT B	4,700,000	3,897,995	802,005	
11954	HANCOCK AVENUE 5600 BLOCK STORM SEWER	234,877	222,890	11,986	
11989	PARDEE - BLACKTHORN - HOLLY I/I REDUCTION (WATSON RD AND S ROCK HILL RD)	1,788,065	1,687,690	100,375	
11990	SAPPINGTON CREEK I/I REDUCTION (GRAVOIS RD AND SAPPINGTON RD)	696,186	589,471	106,715	
11995	KIRKWOOD MIDDLE SCHOOL, SIMMONS, WILSON, W SARAH I/I REDUCTION (MANCHESTER RD A)	880,188	771,198	108,990	
12009	WASTEWATER IR 2019	1,632,540	1,451,189	181,351	
12010	WASTEWATER IR 2020	1,642,311	1,028,332	613,979	
12012	INFRASTRUCTURE REPAIRS (REHABILITATION) (2017) CONTRACT B	1,700,000	1,300,069	399,931	
12024	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2017) CONTRACT B	3,128,000	2,572,647	555,353	
12050	LEMAY PUBLIC I/I REDUCTION (2017) CONTRACT C	2,315,000	2,042,138	272,862	
12061	LEMAY PUBLIC I/I REDUCTION (2016)	4,696,000	3,755,683	940,318	
12177	GLENDALE SEC D PH V (SKME-624)	1,455,000	1,060,176	394,824	
12253	VALCOUR AND BURLINGTON RR SANITARY RELIEF AND I/I REDUCTION (VALCOUR RD AND WAT	1,201,918	918,878	283,040	
12298	HARRISON SANITARY RELIEF (GRAND AVE TO W ROSE HILL AVE)	380,000	350,653	29,347	
12310	MISSOURI RIVER BONFILS SANITARY SEWER REHABILITATION PHASE II	1,600,000	683,457	916,543	
12324	LANDMARK OFFICE PUMP STATION (P-411) REPLACEMENT	468,143	467,746	397	
12430	AVIGNON CT & BEAUCAIRE DR STORM SEWER (WARSON WOODS 3 - 04 05 09)	390,650	321,335	69,315	
12434	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2016) CONTRACT D	3,257,000	2,619,188	637,812	
NUMBER OF PROJECTS: 71		212,090,979	190,384,587	21,706,392	10.2%

**Notes:**

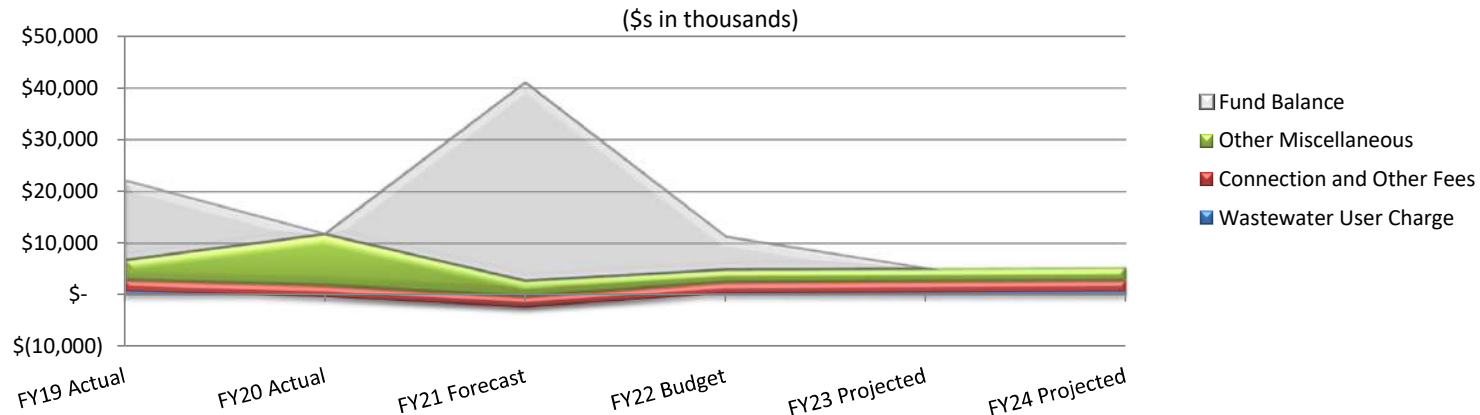
1. Projects are capitalized when construction and inspection is substantially complete.
2. Infrastructure Repair projects are comprised of various sub-projects throughout the District. Each sub-project is capitalized individually when it is substantially complete.  
A typical Infrastructure Repair project will eventually spend the entire budget.



**A fund established by administrative action to finance the ordinary operations of the District. It is a major fund used to account for all revenues and activities not provided for in any other fund.**

## GENERAL FUND - FUND 1101

### Revenue Trends



This analysis of MSD's revenue compares actual revenues received in FY19 and FY20, forecasted for FY21, budgeted for FY22 and projected for FY23 and FY24. As the budget and projected years are calculated, there are several factors that are analyzed when projecting general fund revenues such as historical trends, the economy, and local impacts.

Wastewater User Charges recorded in the General Fund include adjustments, late charges, and other fees associated with collection of the wastewater user charge netted against the bad debt provision. These net revenues are projected to be \$299 thousand in FY22 which is down from \$760 thousand in FY19. Increases to the bad debt provision are the cause for that decline.

Connection and Other Fees are consistently around \$2.0 million over the reporting period. Historically, connection and other fees remain very consistent, the District assumes the pattern will continue.

The Other Miscellaneous revenue category in FY20 includes one time lawsuit settlement, but that revenue source is expected to normalize around \$3 million going forward with projected FY24 revenue of \$2.6 million. Reimbursement of District Costs and court awarded Attorney's Fees make up the majority of that revenue. Historical trends are utilized in the projection due to the consistent pattern in the past with the exception of an one-time anomaly such as FY20.

When fund balances decline, the use of fund balance is represented in the graph as a source of revenue. In FY19 there was a decline. In FY21 and FY22, fund balance in the General Fund is expected to decrease. FY21 forecast fund balance is estimated at a decrease of \$38.2 million. This relates to less interfund transfer from the Wastewater Revenue Fund resulting from higher expenditures \$19.5 million offset by a reduction in revenue of \$8.9 million from FY20 primarily due to one-time revenue from settlement on insurance in FY20 and an increase in bad debt included in the forecast of FY21.

Finally, it should be noted that the General Fund receives much of its funding from the sewer service charges originally received into the revenue funds and later transferred to the General Fund. These revenues are left off of this graph because they are reported as revenues in the revenue funds. This major source of funding fluctuates based on balancing the needs of the General Fund against the needs of construction funds and special funds.



**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
1101 - General Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$71,404,900	\$56,099,523	\$70,720,832	\$79,587,863	\$41,408,513	\$35,202,069	\$44,119,898
Wastewater User Charge	760,242	(375,315)	324,400	(2,321,467)	299,342	474,700	680,470
Stormwater User Charge	5,620	15,961	-	-	-	-	-
Taxes	19,616	(42,518)	-	(20,941)	-	-	-
Interest on Investments	1,371,078	1,079,585	1,370,203	947,080	356,600	295,200	259,600
Connection and Other Fees	2,042,281	2,087,882	1,988,000	1,966,058	2,054,000	2,054,000	2,054,000
Proceeds from Sale of Property	330,556	105,227	253,000	148,073	202,000	202,000	202,000
Rental Income	301,446	301,631	281,000	308,815	311,000	311,000	311,000
Miscellaneous	2,016,465	8,639,183	2,096,000	1,846,795	1,808,000	1,808,000	1,808,000
<b>Total Revenues</b>	<b>6,847,303</b>	<b>11,811,636</b>	<b>6,312,603</b>	<b>2,874,413</b>	<b>5,030,942</b>	<b>5,144,900</b>	<b>5,315,070</b>
Personnel Services	105,812,808	109,216,535	116,020,412	111,892,576	116,721,991	118,945,568	122,784,427
Supplies	15,361,869	15,442,618	17,815,274	18,055,390	19,025,236	20,772,632	22,063,306
Utilities	16,906,052	15,762,631	17,076,928	16,277,178	16,937,966	17,682,090	17,186,930
Contractual Services	44,818,241	44,662,388	50,846,342	52,854,983	52,071,643	53,678,760	55,300,319
Capital Outlay	10,076,488	8,619,175	6,807,948	7,259,950	5,764,600	6,201,192	6,325,216
Construction and Engineering	14,616,318	21,447,772	22,125,000	22,837,044	24,620,000	19,655,000	18,255,000
Principal Payments	33,702	-	-	-	-	-	-
Interest Payments	623	-	-	-	-	-	-
Interfund Labor Transfers	(33,937,137)	(31,782,424)	(32,237,652)	(26,323,717)	(34,378,037)	(35,647,140)	(36,955,064)
<b>Total Expenditures</b>	<b>173,688,965</b>	<b>183,368,696</b>	<b>198,454,251</b>	<b>202,853,404</b>	<b>200,763,398</b>	<b>201,288,102</b>	<b>204,960,134</b>
Net Operating Income (Loss)	(166,841,662)	(171,557,059)	(192,141,649)	(199,978,990)	(195,732,456)	(196,143,202)	(199,645,064)
Interfund Transfers	151,536,285	195,045,399	176,508,719	161,799,639	189,526,012	205,061,031	201,716,542
Increase (Decrease) in Fund Bal.	(15,305,377)	23,488,340	(15,632,929)	(38,179,351)	(6,206,444)	8,917,829	2,071,478
Percentage of Change	-21%	42%	-22%	-48%	-15%	25%	5%
<b>FUND BALANCE E.O.P.</b>	<b>\$56,099,523</b>	<b>\$79,587,863</b>	<b>\$55,087,902</b>	<b>\$41,408,513</b>	<b>\$35,202,069</b>	<b>\$44,119,898</b>	<b>\$46,191,376</b>

**PROJECT LISTING  
1101 - GENERAL FUND  
FY22**

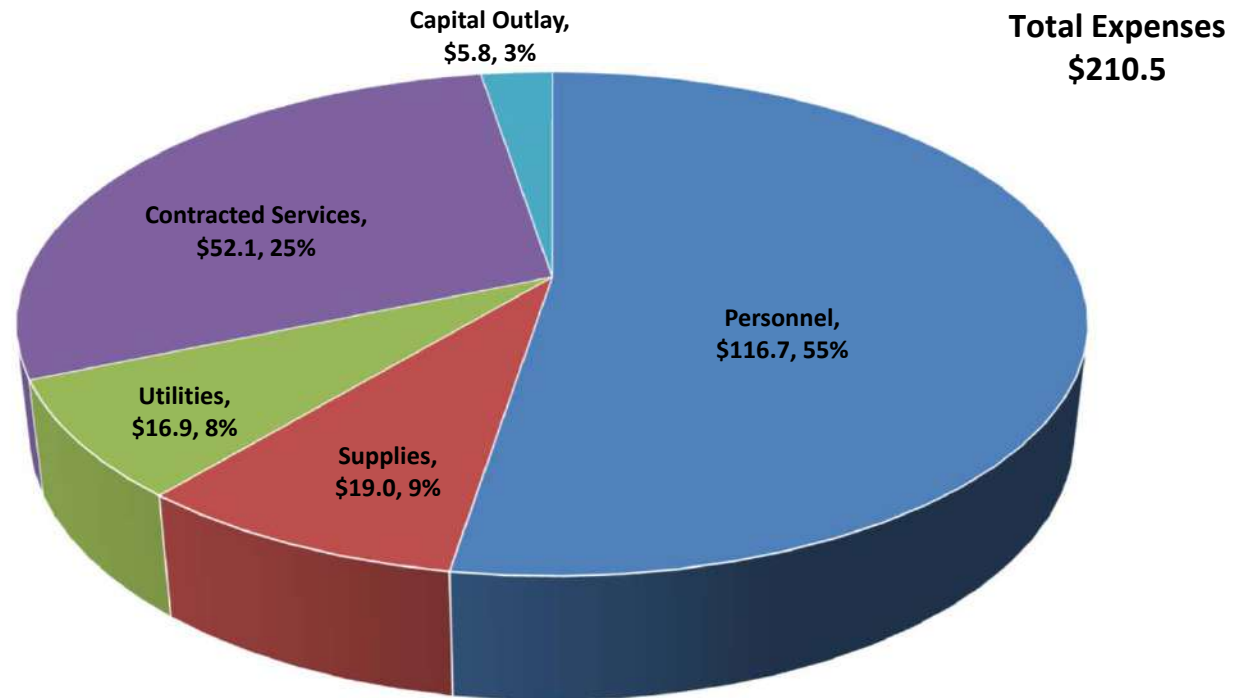
<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
CSO VOLUME REDUCTION GREEN INFRASTRUCTURE	Various	\$5,000,000	81
CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES	Various	\$3,000,000	82
FLOW METERING AND MONITORING (2022)	Various	\$2,500,000	21
CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2020)	Various	\$2,500,000	9
CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2020)	Various	\$1,700,000	15
WET WEATHER OPTIMIZATION STUDY	Various	\$1,500,000	67
RDP TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$600,000	54
STREAM FLOW GAUGE OPERATION AND MAINTENANCE (USGS)	Various	\$540,000	62
STREAM FLOW WATER QUALITY SAMPLING (2020)	Various	\$270,000	63
LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$150,000	44
RADAR RAINFALL DATA (2020)	Various	\$150,000	53
GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT A	Various	\$75,000	29
GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT B	Various	\$75,000	30
GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT C	Various	\$75,000	31
GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT D	Various	\$75,000	32
ST. LOUIS COMBINED SEWER OVERFLOWS PROGRAM - CORPS OF ENGINEERS - PHASE II	Various	\$10,000	60
<b>NUMBER OF PROJECTS: 16</b>		<b>FUND TOTAL:</b>	<b>\$18,220,000</b>

**(1)** The Page refers to the page number in the Budget Supplement Appendix

The above does not include the General Fund Project of \$6.4 Million dollars for the Oracle Cloud Project.

## FY22 General Fund Operating Budget by Natural Account

(\$s in millions)



## **FY22 SIGNIFICANT BUDGET CHANGES GENERAL FUND**

### **Personnel Services – 51000 Natural Account Group**

Personnel Services increased approximately \$1 million or less than 1% from the FY21 Budget. This increase reflects a \$2.3 million increase in Salaries & Wages including FICA, \$419 thousand increase for Vacation Accrual, and \$285 thousand for Group Insurance. Temporary Help is decreasing by \$366 thousand as a result of converting long-term temporaries to employees. Pension Contributions are decreasing \$1.9 million of which \$1.7 million related to Defined Benefit Plan and \$147 thousand related to Defined Contribution. All other changes are less significant.

### **Supplies – 52000 Natural Account Group**

Supplies increased \$1.2 million, or 7% compared to the FY21 Budget. Machinery & Equipment Parts and Non-Capital increased \$822 thousand, Construction Supplies increased \$251 thousand and Electrical Supplies increased \$235 thousand. All other changes are less significant.

### **Utilities – 53000 Natural Account Group**

Utilities are anticipated to decrease \$139 thousand or 1% from the FY21 Budget. The largest contributor of this decrease relates Natural Gas is expected to decrease by \$227 thousand at our treatment plants and yet continue to meet regulatory requirements and \$80 thousand in telephone service. Water Usage reflects an increase by \$111 thousand and Electricity by \$57 thousand.

### **Contractual Services – 54000 Natural Account Group**

Contracted Services are anticipated to increase by \$1.2 million or 2% from the FY21 Budget. Incremental budget increases of \$670 thousand for business cases where \$475 thousand related to increase preventative measures for the safety and \$195 thousand related to professional services to develop a Master Data Management program. In addition, an increase of \$2.5 million for Collection Services and Bill Payment Services related to increase efforts for collection, \$511 thousand for Ash Hauling which generally happens every three years and \$447 thousand for Janitorial Services relating to increased efforts to comply with COVID requirements. The increase is offset by decrease of \$1.5 million for Board of Election Commission related to the vote on Stormwater and recommended Charter changes in FY21 and decrease of \$720 thousand in professional service related to a project in FY21 for investigation and studies for water service and inflow & infiltration both not repeated in FY22. All other changes are less significant.

### **Capital Outlay – 55000 Natural Account Group**

Capital Outlay decreased \$1 million or 15% from prior year. The decrease is the result of Structural Improvements expected decrease of \$825 thousand, decrease for reduction related to various Processing Equipment of \$563 thousand, and offset by an increase in Computer Equipment of \$148 thousand. All other changes are less significant.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Operating Expense Budget and Variances**

	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>\$ Change from FY21 Budget</b>	<b>% Change from FY21 Budget</b>	<b>Total Budget FY22</b>	<b>\$ Change from FY21 Budget</b>	<b>% Change from FY21 Budget</b>
51010 Salaries & Wages	73,354,947	69,395,085	(3,959,862)	-6%	75,505,260	2,150,313	3%
51020 Overtime	2,597,275	2,572,965	(24,310)	-1%	2,573,046	(24,229)	-1%
51030 Compensatory Pay Accrual	1	68,471	68,470	100%	-	(1)	-100%
51040 Sick Leave Accrual	869,760	779,188	(90,572)	-12%	804,360	(65,400)	-8%
51050 Vacation Accrual	768,600	1,200,000	431,400	36%	1,187,520	418,920	55%
51060 Worker's Compensation Pay	-	115,862	115,862	100%	-	-	-
51070 Board Member Fees	2,700	2,700	-	0%	5,400	2,700	100%
51080 Floating Holiday Accrual	-	100,000	100,000	100%	-	-	-
51090 Civil Service Commision Fees	3,000	3,000	-	0%	2,500	(500)	-17%
51100 Emp Service & Incentive Awards	76,000	63,500	(12,500)	-20%	79,000	3,000	4%
51120 Membership & Licensing Fees	264,948	269,589	4,641	2%	273,916	8,968	3%
51130 Education Assistance Program	173,000	173,000	-	0%	175,000	2,000	1%
51210 FICA Taxes	5,810,345	5,305,784	(504,561)	-10%	5,972,992	162,647	3%
51220 Group Insurance	10,903,821	9,427,577	(1,476,244)	-16%	11,188,424	284,603	3%
51230 Pension Contributions-Defined Benefit Plan	13,702,000	13,702,000	-	0%	11,990,000	(1,712,000)	-12%
51231 Pension Contributions-Defined Contribution Plan	2,822,484	2,332,319	(490,165)	-21%	1,906,723	(915,761)	-32%
51233 DC Plan-Matching Contributions	-	574,976	574,976	100%	768,926	768,926	-
51234 EAP	16,694	-	(16,694)	-	-	(16,694)	-100%
51240 Unemployment Insurance	25,000	25,000	-	0%	25,000	-	0%
51300 Other Post Employment Benefits	1,900,000	1,419,015	(480,985)	-34%	1,900,000	-	0%
51510 Temporary Help	2,729,837	4,362,545	1,632,708	37%	2,363,925	(365,912)	-13%
<b>Total Personnel Services</b>	<b>\$116,020,412</b>	<b>\$111,892,576</b>	<b>\$(4,127,835)</b>	<b>-4%</b>	<b>\$116,721,991</b>	<b>\$701,579</b>	<b>1%</b>
52010 Fuels,Lubricants,Gases	1,278,123	1,136,340	(141,783)	-12%	1,273,643	(4,480)	0%
52020 Motor Vehicle Parts & Equip	466,926	463,707	(3,219)	-1%	487,305	20,379	4%
52030 Machinery & Equipment Parts	3,858,885	4,390,712	531,827	12%	4,657,844	798,959	21%
52040 Machinery & Equipment - Non- Capital	57,150	131,940	74,790	57%	79,830	22,680	40%
52050 Construction & Bldg Supplies	2,617,758	2,587,449	(30,309)	-1%	2,868,965	251,207	10%
52070 Hardware	137,587	178,797	41,210	23%	140,227	2,640	2%
52080 Hose Supplies	195,010	210,445	15,435	7%	195,114	104	0%
52090 Electrical Supplies	1,176,614	1,274,741	98,127	8%	1,412,005	235,391	20%
52100 Instrument Supplies	946,964	869,653	(77,311)	-9%	776,489	(170,475)	-18%
52110 Chemical Supplies	3,839,802	3,822,362	(17,440)	0%	3,735,476	(104,326)	-3%

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Operating Expense Budget and Variances**

	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>\$ Change from FY21 Budget</b>	<b>% Change from FY21 Budget</b>	<b>Total Budget FY22</b>	<b>\$ Change from FY21 Budget</b>	<b>% Change from FY21 Budget</b>
52120 Laboratory Supplies	132,209	132,657	448	0%	133,281	1,072	1%
52130 Engineering & Drafting Supply	1,450	1,450	-	0%	3,100	1,650	114%
52150 Plumbing Supplies	371,550	415,245	43,695	11%	434,204	62,654	17%
52160 Paint Supplies	60,742	59,312	(1,430)	-2%	55,563	(5,179)	-9%
52170 Safety Supplies	622,490	592,378	(30,112)	-5%	610,832	(11,658)	-2%
52220 Janitorial Supplies	153,825	170,204	16,379	10%	165,655	11,830	8%
52240 Hand Tools	383,920	404,816	20,896	5%	386,546	2,626	1%
52280 Uniforms	347,281	349,851	2,570	1%	333,281	(14,000)	-4%
52300 Safety Footwear	150,100	156,300	6,200	4%	187,200	37,100	25%
52310 Telephone/Communic Equip/Suppl	28,384	24,167	(4,217)	-17%	72,577	44,193	156%
52320 Office Supplies	122,385	112,089	(10,296)	-9%	111,904	(10,481)	-9%
52330 Computer Supplies	153,673	199,575	45,902	23%	232,800	79,127	51%
52340 Computer Equipment - Non-Capital	402,387	409,860	7,473	2%	362,078	(40,309)	-10%
52360 Grounds Supplies	24,592	25,942	1,350	5%	27,495	2,903	12%
52370 Photo & Video Supplies	10,400	10,140	(260)	-3%	19,350	8,950	86%
52380 Publications/Training Supplies	155,473	154,143	(1,330)	-1%	155,117	(356)	0%
52390 Administrative Supplies	94,343	88,840	(5,503)	-6%	77,480	(16,863)	-18%
52400 Furniture & Office Equipment - Non-Capital	25,250	39,770	14,520	37%	29,875	4,625	18%
52990 Inventory (I/D)	-	(333,398)	(333,398)	100%	-	-	-
52991 Inventory Obsolescence	-	(24,098)	(24,098)	100%	-	-	-
<b>Total Supplies</b>	<b>\$17,815,274</b>	<b>\$18,055,390</b>	<b>\$240,116</b>	<b>1%</b>	<b>\$19,025,236</b>	<b>\$1,209,962</b>	<b>7%</b>
53060 Electric Usage	12,898,165	12,158,418	(739,747)	-6%	12,955,600	57,435	0%
53070 Natural Gas Usage	2,502,252	2,457,665	(44,587)	-2%	2,275,280	(226,972)	-9%
53080 Water Usage	814,964	873,649	58,685	7%	925,785	110,821	14%
53270 Telephone Usage	861,547	787,446	(74,101)	-9%	781,301	(80,246)	-9%
<b>Total Usage</b>	<b>\$17,076,928</b>	<b>\$16,277,178</b>	<b>\$(799,750)</b>	<b>-5%</b>	<b>\$16,937,966</b>	<b>\$(138,962)</b>	<b>-1%</b>
54010 Postage	2,051,350	2,288,570	237,220	10%	2,075,330	23,980	1%
54050 Office System Services	4,390,410	4,047,758	(342,652)	-8%	4,404,730	14,320	0%
54060 Printing Services	581,290	635,415	54,125	9%	719,286	137,996	24%
54080 Advertising Services	414,800	380,000	(34,800)	-9%	378,800	(36,000)	-9%
54100 Travel Expenses	414,588	256,106	(158,482)	-62%	260,267	(154,321)	-37%
54120 Photo Services	7,500	1,500	(6,000)	-400%	7,500	-	0%
54140 Training Programs/Seminar Fees	471,417	438,188	(33,229)	-8%	497,428	26,011	6%

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Operating Expense Budget and Variances**

	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>\$ Change from FY21 Budget</b>	<b>% Change from FY21 Budget</b>	<b>Total Budget FY22</b>	<b>\$ Change from FY21 Budget</b>	<b>% Change from FY21 Budget</b>
54141 Required Training Programs	169,000	223,331	54,331	24%	240,509	71,509	42%
54160 Data Imaging Services	40,000	28,460	(11,540)	-41%	37,300	(2,700)	-7%
54180 Courier And Freight	147,492	149,355	1,863	1%	162,959	15,467	10%
54190 Property & Other Space Rental	121,120	91,216	(29,904)	-33%	61,620	(59,500)	-49%
54350 Bill Payment Services	1,844,182	1,844,182	-	0%	2,342,190	498,008	27%
54360 Banking Services Total	50,000	50,000	-	0%	50,000	-	0%
54370 Board Of Election Commission	1,500,000	1,500,000	-	0%	-	(1,500,000)	-100%
54390 Hospital & Medical Services	178,000	203,000	25,000	12%	203,000	25,000	14%
54400 Judgments & Claims Settlements	25,000	25,000	-	0%	25,000	-	0%
54420 Court Costs & Lien Fees	260,500	260,000	(500)	0%	260,000	(500)	0%
54440 Easement Acquisitions/Fees	25,000	25,000	-	0%	25,000	-	0%
54450 Collection Services	4,932,000	6,500,000	1,568,000	24%	6,900,000	1,968,000	40%
54470 Water Agency Data Services	606,756	606,756	-	0%	610,000	3,244	1%
54520 Professional Service	14,367,762	14,244,443	(123,319)	-1%	13,647,445	(720,317)	-5%
54530 Building Repairs & Services	2,307,579	2,457,405	149,826	6%	2,813,190	505,611	22%
54540 Janitorial Services	1,213,280	1,733,463	520,183	30%	1,659,794	446,514	37%
54550 Grounds Services	814,433	793,264	(21,169)	-3%	838,167	23,734	3%
54560 Motor Vehicle Services	400,171	366,379	(33,792)	-9%	356,228	(43,943)	-11%
54570 Machinery & Equipment Services	3,499,012	3,519,334	20,322	1%	3,385,030	(113,982)	-3%
54580 Equipment Rental	483,109	628,125	145,016	23%	482,423	(686)	0%
54590 Sewer Rep & Structure Cleaning	1,604,656	1,665,246	60,590	4%	1,611,500	6,844	0%
54600 Electrical Repair Services	1,195,450	1,318,463	123,013	9%	1,176,750	(18,700)	-2%
54610 Instrument Repair Services	608,345	380,460	(227,885)	-60%	380,529	(227,816)	-37%
54620 Plumbing Services	657,318	771,266	113,948	15%	774,854	117,536	18%
54630 HVAC Services	731,026	805,907	74,881	9%	550,004	(181,022)	-25%
54640 Damage Repairs & Services	18,000	18,000	-	0%	13,000	(5,000)	-28%
54650 Waste Hauling	1,599,775	1,583,434	(16,341)	-1%	1,632,266	32,491	2%
54660 Ash Hauling	525,600	541,697	16,097	3%	1,036,654	511,054	97%
54670 Other Governmental Fees	1,010,928	1,023,554	12,626	1%	1,189,834	178,906	18%
54680 Laboratory Testing Services	474,170	383,585	(90,585)	-24%	442,820	(31,350)	-7%
54690 Safety Services	109,023	97,622	(11,401)	-12%	112,737	3,714	3%
54700 Asbestos Removal Services	48,500	43,500	(5,000)	-11%	32,500	(16,000)	-33%
54710 Community Outreach Programs	523,800	502,000	(21,800)	-4%	216,500	(307,300)	-59%
54720 Tree Removal/Weed Spraying	424,000	424,000	-	0%	458,500	34,500	8%
<b>Total Contractual Services</b>	<b>\$50,846,342</b>	<b>\$52,854,983</b>	<b>\$2,008,641</b>	<b>4%</b>	<b>\$52,071,643</b>	<b>\$1,225,301</b>	<b>2%</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Operating Expense Budget and Variances**

	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>\$ Change from FY21 Budget</b>	<b>% Change from FY21 Budget</b>	<b>Total Budget FY22</b>	<b>\$ Change from FY21 Budget</b>	<b>% Change from FY21 Budget</b>
55030 Structural Improvements	950,000	1,114,031	164,031	15%	125,000	(825,000)	-87%
55040 Processing Equipment	1,290,400	1,834,651	544,251	30%	727,000	(563,400)	-44%
55050 Auxiliary Equipment	23,000	(2,798)	(25,798)	922%	188,000	165,000	717%
55060 Motor Vehicles	3,115,000	3,265,000	150,000	5%	3,100,000	(15,000)	0%
55070 Machinery & Implements	482,000	195,286	(286,714)	-147%	512,000	30,000	6%
55080 Instruments & Apparatus	121,200	82,200	(39,000)	-47%	207,200	86,000	71%
55090 Furniture & Office Equipment	102,300	100,800	(1,500)	-1%	33,400	(68,900)	-67%
55110 Computer Equipment	724,048	670,780	(53,268)	-8%	872,000	147,952	20%
<b>Total Capital Outlay</b>	<b>\$6,807,948</b>	<b>\$7,259,950</b>	<b>\$452,002</b>	<b>6%</b>	<b>\$5,764,600</b>	<b>\$(1,043,348)</b>	<b>-15%</b>
<b>Total General Fund Operating Expense</b>	<b>\$208,566,904</b>	<b>\$206,340,077</b>	<b>\$(2,226,827)</b>	<b>-1%</b>	<b>\$210,521,435</b>	<b>\$1,954,531</b>	<b>1%</b>



# METROPOLITAN ST. LOUIS SEWER DISTRICT

## General Fund Budget by Natural Account Group

### FY22 Budget

	Personnel Services	Supplies	Utilities	Contractual Services	Capital Outlay	Budget FY22	Percent of Total
T1010 - Board of Trustees	\$5,700	-	-	\$4,000	-	\$9,700	0.0%
T1410 - Rate Commission	-	-	-	-	-	-	-
T1100 - Secretary Treasurer Department	918,695	8,500	-	1,570,884	6,000	2,504,079	1.2%
T2020 - Civil Service Commission	2,500	2,500	-	6,500	-	11,500	0.0%
T3000 - Executive Director Department	2,330,436	39,920	12,000	1,267,571	-	3,649,928	1.8%
T5500 - General Counsel Department	1,278,225	88,750	600	2,044,717	-	3,412,292	1.7%
T2500 - Human Resources Department	7,352,183	56,850	8,600	2,350,412	-	9,768,045	4.9%
T4000 - Finance Department	5,033,539	66,940	201,100	18,792,399	400	24,094,378	12.0%
T4500 - Information Technology Department	9,010,694	509,965	417,472	6,462,687	414,000	16,814,818	8.4%
T8000 - Engineering Department	25,922,620	505,904	53,028	1,127,129	106,000	27,714,682	13.8%
T6000 - Operations Department	64,867,397	17,745,907	16,245,166	18,445,343	5,238,200	122,542,013	61.0%
<b>Total General Fund Operating Expense</b>	<b>\$116,721,991</b>	<b>\$19,025,236</b>	<b>\$16,937,966</b>	<b>\$52,071,643</b>	<b>\$5,764,600</b>	<b>\$210,521,435</b>	104.9%
Construction & Engineering	-	-	-	-	-	\$24,620,000	12.3%
Interfund Labor Transfers	-	-	-	-	-	-34,378,037	-17.1%
Tax Commission Fee	-	-	-	-	-	-	-
Other *	-	-	-	-	-	-	-
<b>Total General Fund Budget</b>	<b>\$116,721,991</b>	<b>\$19,025,236</b>	<b>\$16,937,966</b>	<b>\$52,071,643</b>	<b>\$5,764,600</b>	<b>\$200,763,398</b>	100.0%

\*Includes Inventory, Principal and Interest Paid

**METROPOLITAN ST. LOUIS SEWER DISTRICT**
**General Fund Budget**
**by Natural Account Group Variance - Increase (Decrease) FY22 Budget vs. FY21 Budget**

	Personnel Services	Supplies	Utilities	Contractual Services	Capital Outlay	Budget FY21	Budget FY22	Difference FY22 vs. FY21	Percent Change
T1010 - Board of Trustees	\$3,000	-	-	\$3,127	-	\$6,127	\$9,700	\$3,573	58%
T1410 - Rate Commission	-	-	-	-	-	-	-	-	-
T1100 - Secretary Treasurer									
Department	844,835	8,600	-	2,961,173	6,000	3,820,608	2,504,079	-1,316,529	-34%
T2020 - Civil Service Commission	3,000	2,000	-	5,000	-	10,000	11,500	1,500	15%
T3000 - Executive Director									
Department	2,268,368	48,870	12,000	1,751,648	-	4,080,886	3,649,928	-430,958	-11%
T5500 - General Counsel									
Department	1,253,065	81,500	480	2,044,494	-	3,379,539	3,412,292	32,753	1%
T2500 - Human Resources									
Department	6,903,788	102,433	8,600	1,826,024	15,000	8,855,846	9,768,045	912,199	10%
T4000 - Finance Department	4,731,313	80,587	192,474	16,064,757	550,000	21,619,131	24,094,378	2,475,248	11%
T4500 - Information Technology									
Department	9,092,168	479,512	512,713	6,801,058	726,048	17,611,499	16,814,818	-796,681	-5%
T8000 - Engineering Department	25,382,876	478,829	56,328	1,683,457	70,000	27,671,490	27,714,682	43,191	0%
T6000 - Operations Department	65,537,999	16,532,942	16,294,333	17,705,604	5,440,900	121,511,778	122,542,013	1,030,235	1%
<b>Total General Fund Operating Expense</b>	<b>\$116,020,412</b>	<b>\$17,815,274</b>	<b>\$17,076,928</b>	<b>\$50,846,342</b>	<b>\$6,807,948</b>	<b>\$208,566,904</b>	<b>\$210,521,435</b>	<b>\$1,954,532</b>	<b>1%</b>
Construction & Engineering	-	-	-	-	-	22,125,000	24,620,000	2,495,000	11%
Interfund Labor Transfers	-	-	-	-	-	(32,237,652)	(34,378,037)	(2,140,385)	7%
Tax Commission Fee	-	-	-	-	-	-	-	-	-
Other *	-	-	-	-	-	-	-	-	-
<b>Total General Fund Budget</b>	<b>\$116,020,412</b>	<b>\$17,815,274</b>	<b>\$17,076,928</b>	<b>\$50,846,342</b>	<b>\$6,807,948</b>	<b>\$198,454,252</b>	<b>\$200,763,398</b>	<b>\$2,309,147</b>	<b>1%</b>

\* Includes Inventory, Principal, and Interest Paid

**METROPOLITAN ST. LOUIS SEWER DISTRICT**
**General Fund Budget**
**by Natural Account Group Variance - Increase (Decrease) FY22 Budget vs. FY21 Forecast**

	Personnel Services	Supplies	Utilities	Contractual Services	Capital Outlay	Forecast FY21	Budget FY22	Difference FY22 vs. FY21	Percent Change
T1010 - Board of Trustees	\$3,000	-	-	\$3,127	-	\$6,127	\$9,700	\$3,573	58%
T1410 - Rate Commission	-	-	-	-	-	-	-	-	-
T1100 - Secretary Treasurer									
Department	899,993	7,600	-	2,947,901	3,000	3,858,495	2,504,079	-1,354,416	-35%
T2020 - Civil Service Commission	3,000	3,500	-	7,500	-	14,000	11,500	-2,500	-18%
T3000 - Executive Director									
Department	2,152,598	46,970	12,000	1,270,000	-	3,481,568	3,649,928	168,359	5%
T5500 - General Counsel									
Department	1,266,340	81,600	480	1,739,980	-	3,088,400	3,412,292	323,892	10%
T2500 - Human Resources									
Department	6,654,628	102,539	8,600	1,760,378	15,000	8,541,145	9,768,045	1,226,900	14%
T4000 - Finance Department	4,676,476	72,995	187,241	17,966,408	550,000	23,453,120	24,094,378	641,258	3%
T4500 - Information Technology									
Department	9,672,039	519,945	409,189	6,463,002	674,280	17,738,455	16,814,818	-923,637	-5%
T8000 - Engineering Department	24,133,112	478,328	56,328	1,914,523	56,000	26,638,291	27,714,682	1,076,391	4%
T6000 - Operations Department	62,431,389	16,741,913	15,603,340	18,782,164	5,961,670	119,520,476	122,542,013	3,021,537	3%
<b>Total General Fund Operating Expense</b>	<b>\$111,892,576</b>	<b>\$18,055,390</b>	<b>\$16,277,178</b>	<b>\$52,854,983</b>	<b>\$7,259,950</b>	<b>\$206,340,077</b>	<b>\$210,521,435</b>	<b>\$4,181,358</b>	<b>2%</b>
Construction & Engineering	-	-	-	-	-	22,837,044	24,620,000	1,782,956	8%
Interfund Labor Transfers	-	-	-	-	-	(26,323,717)	(34,378,037)	(8,054,320)	31%
Tax Commission Fee	-	-	-	-	-	-	-	-	-
Other *	-	-	-	-	-	-	-	-	-
<b>Total General Fund Budget</b>	<b>\$111,892,576</b>	<b>\$18,055,390</b>	<b>\$16,277,178</b>	<b>\$52,854,983</b>	<b>\$7,259,950</b>	<b>\$202,853,404</b>	<b>\$200,763,398</b>	<b>\$(2,090,005)</b>	<b>-1%</b>

\* Includes Inventory, Principal, and Interest Paid

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**Total District**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
51010 Salaries & Wages	65,780,719	68,138,149	73,354,947	69,395,085	75,505,260	77,601,627	79,929,676
51020 Overtime	3,647,023	2,577,573	2,597,275	2,572,965	2,573,046	2,637,877	2,717,014
51030 Compensatory Pay Accrual	122,689	(54,702)	1	68,471	-	-	-
51040 Sick Leave Accrual	808,146	788,826	869,760	779,188	804,360	828,360	853,320
51050 Vacation Accrual	734,709	1,259,699	768,600	1,200,000	1,187,520	1,223,160	1,259,760
51060 Worker's Compensation Pay	208,946	65,067	-	115,862	-	-	-
51070 Board Member Fees	1,600	1,525	2,700	2,700	5,400	5,400	5,400
51080 Floating Holiday Accrual	65,033	94,782	-	100,000	-	-	-
51090 Civil Service Commision Fees	280	1,023	3,000	3,000	2,500	2,550	2,601
51100 Emp Service & Incentive Awards	56,352	44,954	76,000	63,500	79,000	80,580	82,192
51120 Membership & Licensing Fees	300,060	182,756	264,948	269,589	273,916	276,232	281,756
51130 Education Assistance Program	105,940	111,037	173,000	173,000	175,000	178,500	182,070
51210 FICA Taxes	5,079,656	5,159,439	5,810,345	5,305,784	5,972,992	6,138,322	6,322,472
51220 Group Insurance	7,942,388	8,953,150	10,903,821	9,427,577	11,188,424	12,042,124	12,979,354
51230 Pension Contributions-Defined Benefit Plan	12,609,689	13,062,014	13,702,000	13,702,000	11,990,000	10,760,000	10,760,000
51231 Pension Contributions-Defined Contribution Plan	2,131,730	2,565,665	2,822,484	2,332,319	1,906,723	1,889,833	1,889,833
51233 DC Plan-Matching Contributions	-	-	-	574,976	768,926	768,410	768,410
51234 EAP	-	-	16,694	-	-	-	-
51240 Unemployment Insurance	11,652	10,119	25,000	25,000	25,000	25,750	26,522
51300 Other Post Employment Benefits	1,696,929	1,419,015	1,900,000	1,419,015	1,900,000	2,052,000	2,216,160
51510 Temporary Help	4,509,267	4,836,444	2,729,837	4,362,545	2,363,925	2,434,843	2,507,888
<b>Total Personnel Services</b>	<b>\$105,812,808</b>	<b>\$109,216,535</b>	<b>\$116,020,412</b>	<b>\$111,892,576</b>	<b>\$116,721,991</b>	<b>\$118,945,568</b>	<b>\$122,784,427</b>
52010 Fuels,Lubricants,Gases	1,253,539	1,108,187	1,278,123	1,136,340	1,273,643	1,299,116	1,325,098
52020 Motor Vehicle Parts & Equip	413,049	404,398	466,926	463,707	487,305	497,051	506,992
52030 Machinery & Equipment Parts	3,182,071	3,108,711	3,858,885	4,390,712	4,657,844	6,131,112	7,225,845
52040 Machinery & Equipment - Non-Capital	38,539	59,830	57,150	131,940	79,830	81,427	83,055
52050 Construction & Bldg Supplies	2,047,417	2,007,224	2,617,758	2,587,449	2,868,965	2,926,344	2,984,871
52060 Building - Non-Capital	1,600	-	-	-	-	-	-
52070 Hardware	106,064	111,871	137,587	178,797	140,227	143,031	145,892
52080 Hose Supplies	117,266	169,488	195,010	210,445	195,114	199,016	202,997
52090 Electrical Supplies	1,183,494	965,222	1,176,614	1,274,741	1,412,005	1,440,245	1,469,050
52100 Instrument Supplies	683,090	635,615	946,964	869,653	776,489	695,119	612,121
52110 Chemical Supplies	3,565,892	3,182,251	3,839,802	3,822,362	3,735,476	3,810,186	3,886,389

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**Total District**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
52120 Laboratory Supplies	130,273	156,472	132,209	132,657	133,281	135,947	138,666
52130 Engineering & Drafting Supply	1,189	741	1,450	1,450	3,100	3,162	3,225
52150 Plumbing Supplies	266,616	385,625	371,550	415,245	434,204	442,888	451,746
52160 Paint Supplies	44,061	39,769	60,742	59,312	55,563	56,674	57,808
52170 Safety Supplies	363,764	433,059	622,490	592,378	610,832	623,049	635,510
52220 Janitorial Supplies	127,456	141,610	153,825	170,204	165,655	168,968	172,348
52240 Hand Tools	355,630	419,211	383,920	404,816	386,546	394,277	402,162
52280 Uniforms	289,924	295,864	347,281	349,851	333,281	339,947	346,746
52300 Safety Footwear	131,124	130,595	150,100	156,300	187,200	190,536	194,347
52310 Telephone/Communic Equip/Suppl	13,035	26,467	28,384	24,167	72,577	74,029	75,509
52320 Office Supplies	102,820	87,472	122,385	112,089	111,904	114,551	116,675
52330 Computer Supplies	235,319	476,404	153,673	199,575	232,800	270,835	276,251
52340 Computer Equipment - Non- Capital	568,263	570,075	402,387	409,860	362,078	419,305	427,691
52360 Grounds Supplies	25,088	17,623	24,592	25,942	27,495	28,045	28,606
52370 Photo & Video Supplies	7,086	8,113	10,400	10,140	19,350	19,737	20,132
52380 Publications/Training Supplies	162,423	154,939	155,473	154,143	155,117	158,219	161,384
52390 Administrative Supplies	52,789	47,641	94,343	88,840	77,480	79,346	81,110
52400 Furniture & Office Equipment - Non-Capital	89,625	5,224	25,250	39,770	29,875	30,473	31,082
52990 Inventory (I/D)	(169,171)	302,366	-	(333,398)	-	-	-
52991 Inventory Obsolence	(27,465)	(9,448)	-	(24,098)	-	-	-
<b>Total Supplies</b>	<b>\$15,361,869</b>	<b>\$15,442,618</b>	<b>\$17,815,274</b>	<b>\$18,055,390</b>	<b>\$19,025,236</b>	<b>\$20,772,632</b>	<b>\$22,063,306</b>
53060 Electric Usage	12,332,559	12,238,301	12,898,165	12,158,418	12,955,600	13,527,596	12,851,770
53070 Natural Gas Usage	2,607,593	1,879,662	2,502,252	2,457,665	2,275,280	2,343,538	2,413,844
53080 Water Usage	959,885	728,958	814,964	873,649	925,785	990,590	1,059,931
53270 Telephone Usage	1,006,014	915,710	861,547	787,446	781,301	820,366	861,384
<b>Total Usage</b>	<b>\$16,906,052</b>	<b>\$15,762,631</b>	<b>\$17,076,928</b>	<b>\$16,277,178</b>	<b>\$16,937,966</b>	<b>\$17,682,090</b>	<b>\$17,186,930</b>
54010 Postage	1,926,550	1,983,222	2,051,350	2,288,570	2,075,330	2,249,624	2,294,617
54050 Office System Services	3,311,559	3,652,270	4,390,410	4,047,758	4,404,730	4,492,825	4,582,681
54060 Printing Services	547,207	537,003	581,290	635,415	719,286	703,072	717,133
54080 Advertising Services	722,729	293,641	414,800	380,000	378,800	545,976	404,104
54100 Travel Expenses	289,349	246,844	414,588	256,106	260,267	265,187	270,490
54120 Photo Services	6,200	6,000	7,500	1,500	7,500	7,650	7,803
54140 Training Programs/Seminar Fees	319,048	338,390	471,417	438,188	497,428	492,933	502,792

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**Total District**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
54141 Required Training Programs	171,237	173,001	169,000	223,331	240,509	245,319	250,226
54160 Data Imaging Services	142,410	58,894	40,000	28,460	37,300	38,046	38,807
54180 Courier And Freight	132,439	117,891	147,492	149,355	162,959	166,712	169,643
54190 Property & Other Space Rental	110,768	107,214	121,120	91,216	61,620	62,852	64,109
54350 Bill Payment Services	1,794,182	1,951,825	1,844,182	1,844,182	2,342,190	2,389,034	2,436,814
54360 Banking Services Total	22,947	33,317	50,000	50,000	50,000	51,000	52,020
54370 Board Of Election Commission	424,976	82,510	1,500,000	1,500,000	-	-	-
54390 Hospital & Medical Services	120,705	123,084	178,000	203,000	203,000	207,060	211,201
54400 Judgments & Claims Settlements	106	-	25,000	25,000	25,000	25,500	26,010
54420 Court Costs & Lien Fees	99,341	155,378	260,500	260,000	260,000	265,200	270,504
54440 Easement Acquisitions/Fees	22,273	35,438	25,000	25,000	25,000	25,500	26,010
54450 Collection Services	5,283,798	5,681,200	4,932,000	6,500,000	6,900,000	7,045,000	7,192,900
54455 Commission Fee - St. Louis County	3,082	201	-	-	-	-	-
54460 Commission Fee - St. Louis City	3	6	-	-	-	-	-
54470 Water Agency Data Services	502,391	514,888	606,756	606,756	610,000	622,200	634,644
54520 Professional Service	13,326,713	14,212,191	14,367,762	14,244,443	13,647,445	14,220,594	14,361,306
54530 Building Repairs & Services	2,044,868	1,517,433	2,307,579	2,457,405	2,813,190	2,384,750	2,432,445
54540 Janitorial Services	1,070,016	1,246,890	1,213,280	1,733,463	1,659,794	1,692,990	1,726,850
54550 Grounds Services	900,713	711,333	814,433	793,264	838,167	854,930	872,029
54560 Motor Vehicle Services	364,278	272,721	400,171	366,379	356,228	366,915	377,922
54570 Machinery & Equipment Services	2,671,432	1,619,474	3,499,012	3,519,334	3,385,030	3,452,731	3,521,785
54580 Equipment Rental	540,440	630,140	483,109	628,125	482,423	496,896	511,803
54590 Sewer Rep & Structure Cleaning	1,723,217	1,899,255	1,604,656	1,665,246	1,611,500	1,724,305	1,845,006
54600 Electrical Repair Services	930,408	766,838	1,195,450	1,318,463	1,176,750	1,402,958	1,567,143
54610 Instrument Repair Services	323,939	319,089	608,345	380,460	380,529	388,140	395,902
54620 Plumbing Services	310,021	919,311	657,318	771,266	774,854	790,351	806,158
54630 HVAC Services	653,579	394,206	731,026	805,907	550,004	561,004	572,224
54640 Damage Repairs & Services	458,610	3,366	18,000	18,000	13,000	13,260	13,525
54650 Waste Hauling	1,436,260	1,678,333	1,599,775	1,583,434	1,632,266	1,664,911	1,698,210
54660 Ash Hauling	26,360	338,375	525,600	541,697	1,036,654	1,057,387	1,685,435
54670 Other Governmental Fees	916,066	899,002	1,010,928	1,023,554	1,189,834	1,213,631	1,237,904
54680 Laboratory Testing Services	398,252	408,319	474,170	383,585	442,820	451,676	460,710
54690 Safety Services	80,774	83,239	109,023	97,622	112,737	114,992	117,292
54700 Asbestos Removal Services	25,758	103,761	48,500	43,500	32,500	33,150	33,813
54710 Community Outreach Programs	167,277	178,865	523,800	502,000	216,500	424,830	433,327

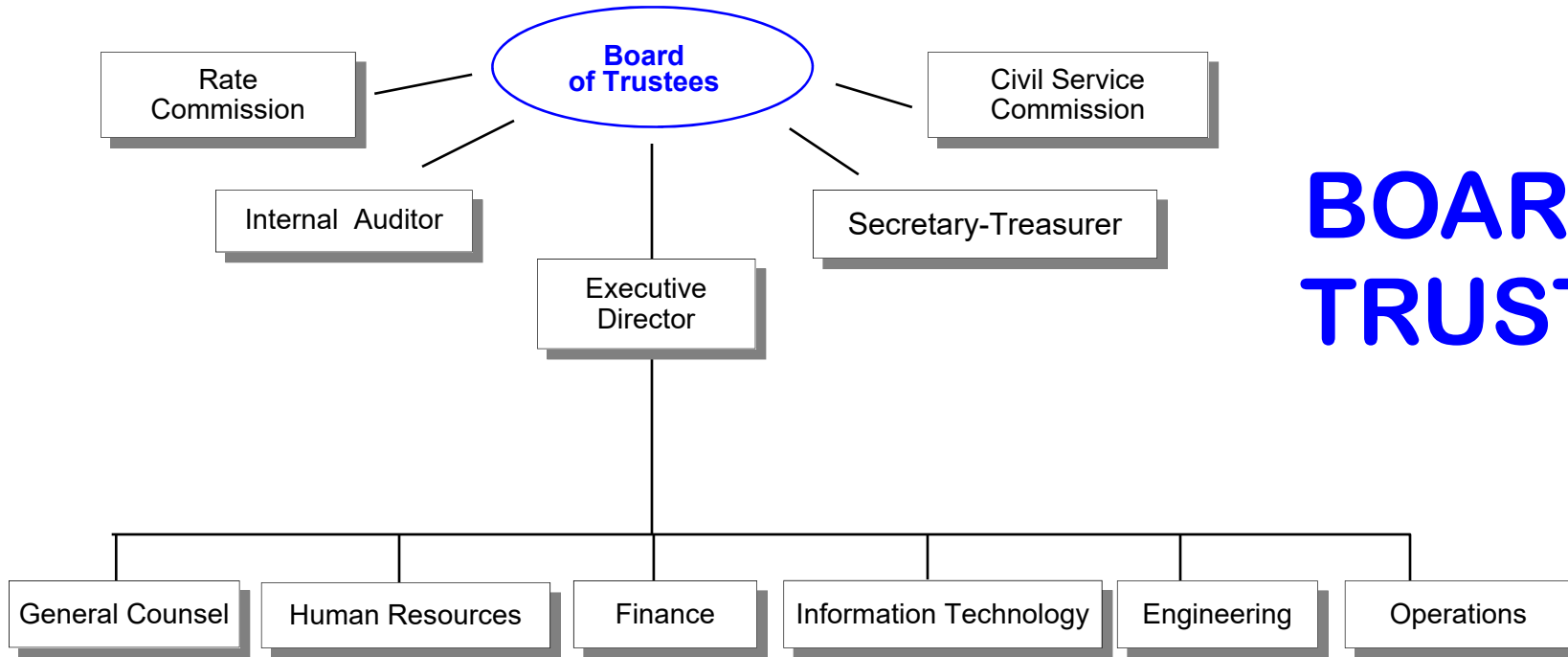
**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**Total District**

	Actual FY19	Actual FY20	Budget FY21	Forecast FY21	Budget FY22	Projected FY23	Projected FY24
54720 Tree Removal/Weed Spraying	442,069	364,501	424,000	424,000	458,500	467,670	477,023
54810 I(D) Landfill Closure Cost	53,891	3,529	-	-	-	-	-
<b>Total Contractual Services</b>	<b>\$44,818,241</b>	<b>\$44,662,388</b>	<b>\$50,846,342</b>	<b>\$52,854,983</b>	<b>\$52,071,643</b>	<b>\$53,678,760</b>	<b>\$55,300,319</b>
55030 Structural Improvements	2,093,808	257,789	950,000	1,114,031	125,000	229,500	234,090
55040 Processing Equipment	1,911,892	3,305,464	1,290,400	1,834,651	727,000	945,540	964,451
55050 Auxiliary Equipment	1,058,133	366,018	23,000	(2,798)	188,000	191,760	195,595
55060 Motor Vehicles	3,277,388	2,957,527	3,115,000	3,265,000	3,100,000	3,213,000	3,277,260
55070 Machinery & Implements	732,663	491,848	482,000	195,286	512,000	522,240	532,685
55080 Instruments & Apparatus	222,823	523,095	121,200	82,200	207,200	169,524	172,914
55090 Furniture & Office Equipment	12,245	(4,000)	102,300	100,800	33,400	34,068	34,749
55110 Computer Equipment	654,576	579,894	724,048	670,780	872,000	895,560	913,471
55115 Intangible (Software)	112,960	141,540	-	-	-	-	-
<b>Total Capital Outlay</b>	<b>\$10,076,488</b>	<b>\$8,619,175</b>	<b>\$6,807,948</b>	<b>\$7,259,950</b>	<b>\$5,764,600</b>	<b>\$6,201,192</b>	<b>\$6,325,216</b>
<b>Total General Fund Operating Expense</b>	<b>\$192,975,458</b>	<b>\$193,703,347</b>	<b>\$208,566,904</b>	<b>\$206,340,077</b>	<b>\$210,521,435</b>	<b>\$217,280,242</b>	<b>\$223,660,198</b>



**FY22 BUDGET**





# BOARD OF TRUSTEES



# **Board of Trustees**

## **Mission**

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1. Develop public policies, through official action, to meet MSD's responsibilities for sanitation, storm flow and protection of water resources.
2. Develop general strategies to direct and supervise the Executive Director in the implementation of official policies and programs.
3. Generally oversee the implementation of appropriate recommendations contained in various internal and contracted studies; i.e. the Independent Auditor's Management Letter, Pension Fund Investment Consultant, Financial Advisors, and the Internal Auditor.
4. Direct and supervise the activities of the Secretary-Treasurer and the Internal Auditor.

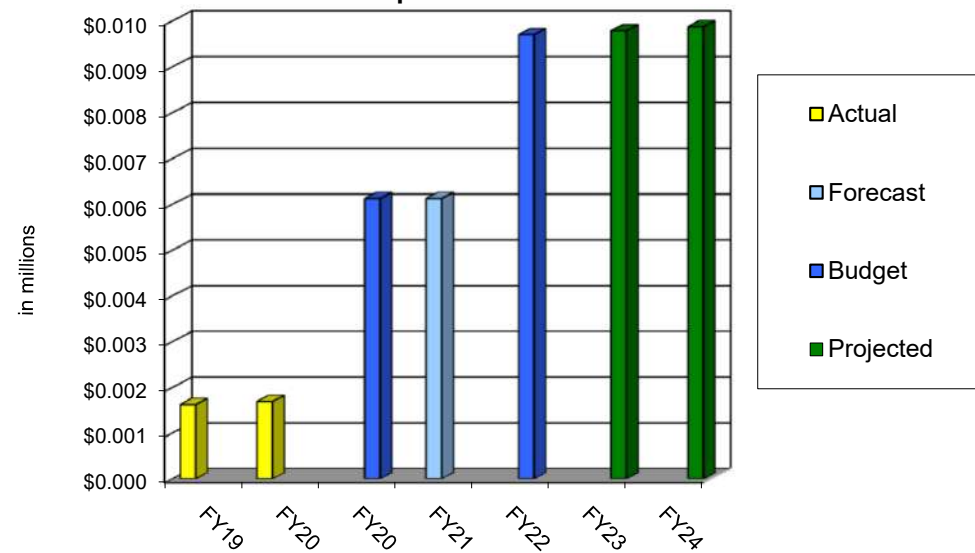
### **DESCRIPTION OF SERVICES**

Pursuant to the provisions of the Plan and subject to the limitations imposed by the Constitution of the State of Missouri, all powers of the District are vested in the Board of Trustees who enact District ordinances, adopt budgets, and determine policies. The Board of Trustees appoints the Executive Director, who executes the ordinances and administers the government of the District and all subdistricts (Sect. 1.020 of the Plan), and the Secretary-Treasurer (Sect. 7.020 of the Plan), and the Internal Auditor (Sect. 7.030 of the Plan).

## Board of Trustees

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
District Governance	\$ 1,625	\$ 1,690	\$ 6,127	\$ 6,127	\$ 9,700	\$ 9,786	\$ 9,874
<b>TOTAL EXPENSES</b>	<b>\$ 1,625</b>	<b>\$ 1,690</b>	<b>\$ 6,127</b>	<b>\$ 6,127</b>	<b>\$ 9,700</b>	<b>\$ 9,786</b>	<b>\$ 9,874</b>

## Expenses



## District Governance

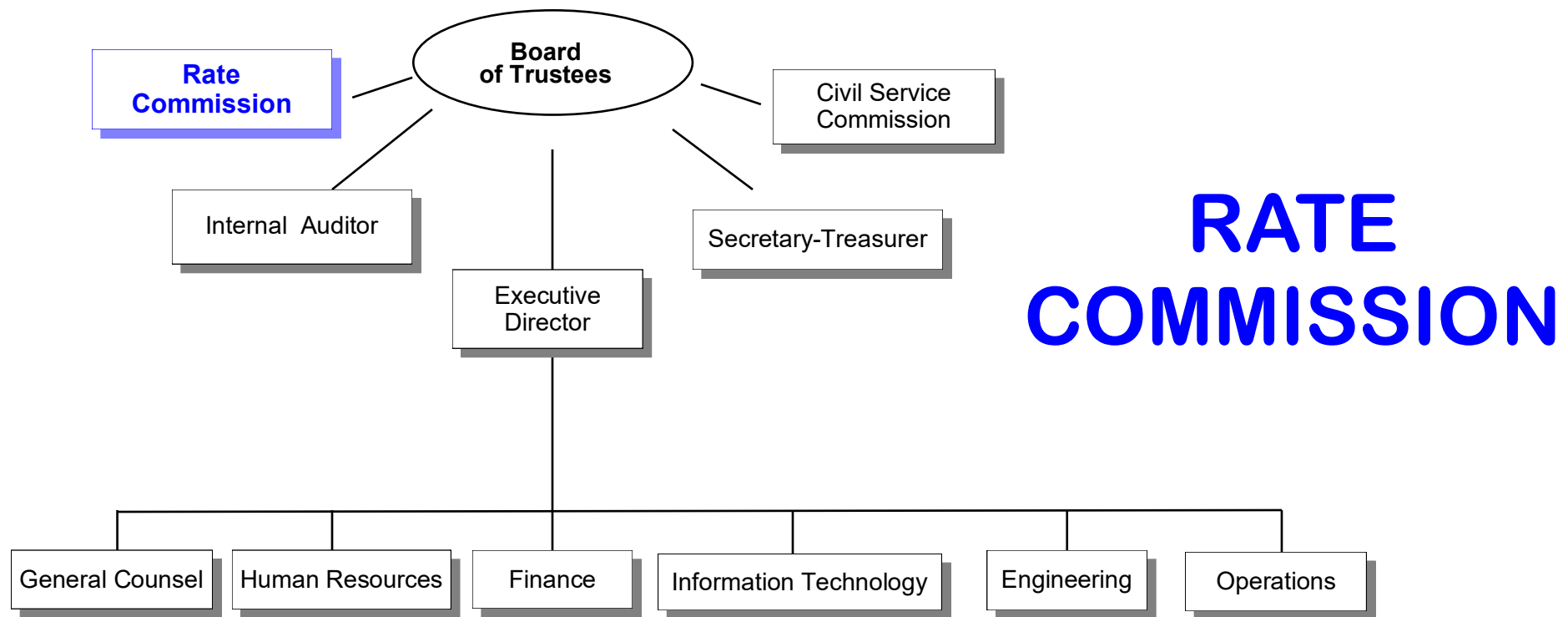
EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 1,625	\$ 1,525	\$ 3,000	\$ 3,000	\$ 5,700	\$ 5,706	\$ 5,712
52000 Supplies	-	76	-	-	-	-	-
53000 Usage	-	-	-	-	-	-	-
54000 Contractual Services	-	89	3,127	3,127	4,000	4,080	4,162
55000 Capital Outlay	-	-	-	-	-	-	-
TOTAL EXPENSES	\$ 1,625	\$ 1,690	\$ 6,127	\$ 6,127	\$ 9,700	\$ 9,786	\$ 9,874

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T1010 - Board of Trustees**

	Actual FY19	Actual FY20	Budget FY21	Forecast FY21	Budget FY22	Projected FY23	Projected FY24
51070 Board Member Fees	1,600	1,525	2,700	2,700	5,400	5,400	5,400
51120 Membership & Licensing Fees	25	-	300	300	300	306	312
<b>Total Personnel Services</b>	<b>\$1,625</b>	<b>\$1,525</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$5,700</b>	<b>\$5,706</b>	<b>\$5,712</b>
52390 Administrative Supplies	-	76	-	-	-	-	-
<b>Total Supplies</b>	<b>\$ -</b>	<b>\$76</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
54100 Travel Expenses	-	-	2,827	2,827	-	-	-
54140 Training Programs/Seminar Fees	-	-	300	300	4,000	4,080	4,162
54180 Courier And Freight	-	89	-	-	-	-	-
<b>Total Contractual Services</b>	<b>\$ -</b>	<b>\$89</b>	<b>\$3,127</b>	<b>\$3,127</b>	<b>\$4,000</b>	<b>\$4,080</b>	<b>\$4,162</b>
<b>Total General Fund Operating Expense</b>	<b>\$1,625</b>	<b>\$1,690</b>	<b>\$6,127</b>	<b>\$6,127</b>	<b>\$9,700</b>	<b>\$9,786</b>	<b>\$9,874</b>



**FY22 BUDGET**



# **Rate Commission**

## **Mission**

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Any change in a rate recommended to the Board by the Rate Commission shall be accompanied by a statement of the Rate Commission that the proposed rate change, and all portions thereof:

1. Is consistent with constitutional, statutory or common law as amended from time to time.
2. Enhances the District's ability to provide adequate sewer and drainage systems and facilities, or related services.
3. Is consistent with and not in violation of any covenant or provision relating to any outstanding bonds or indebtedness of the District.
4. Does not impair the ability of the District to comply with applicable Federal or State laws or regulations as amended from time to time.
5. Imposes a fair and reasonable burden on all classes of ratepayers.

### **DESCRIPTION OF SERVICES**

There shall be a rate commission ("Rate Commission") to review and make recommendations to the Board regarding all proposed changes in wastewater rates, stormwater rates and tax rates or change in the structure of any of the foregoing ("Rate").



## Rate Commission

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
Rate Commission	\$ 608,389	\$ 4,795	\$ -	\$ -	\$ -	\$ 400,819	\$ 29,850
<b>TOTAL EXPENSES</b>	<b>\$ 608,389</b>	<b>\$ 4,795</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 400,819</b>	<b>\$ 29,850</b>

The Rate Commission is convened in years when the District is proposing new rates. The actuals for FY19 and FY20 were for Wastewater rate hearings to set rates for FY21 - FY24. The FY23 and FY24 projected is for Wastewater rate hearings on proposed rates for FY25 - FY28. Expenses related to the Rate Commission are in relation to recruitment of members and public notices for hearings in addition to Professional Services for legal counsel and rate consultants.



## Rate Commission

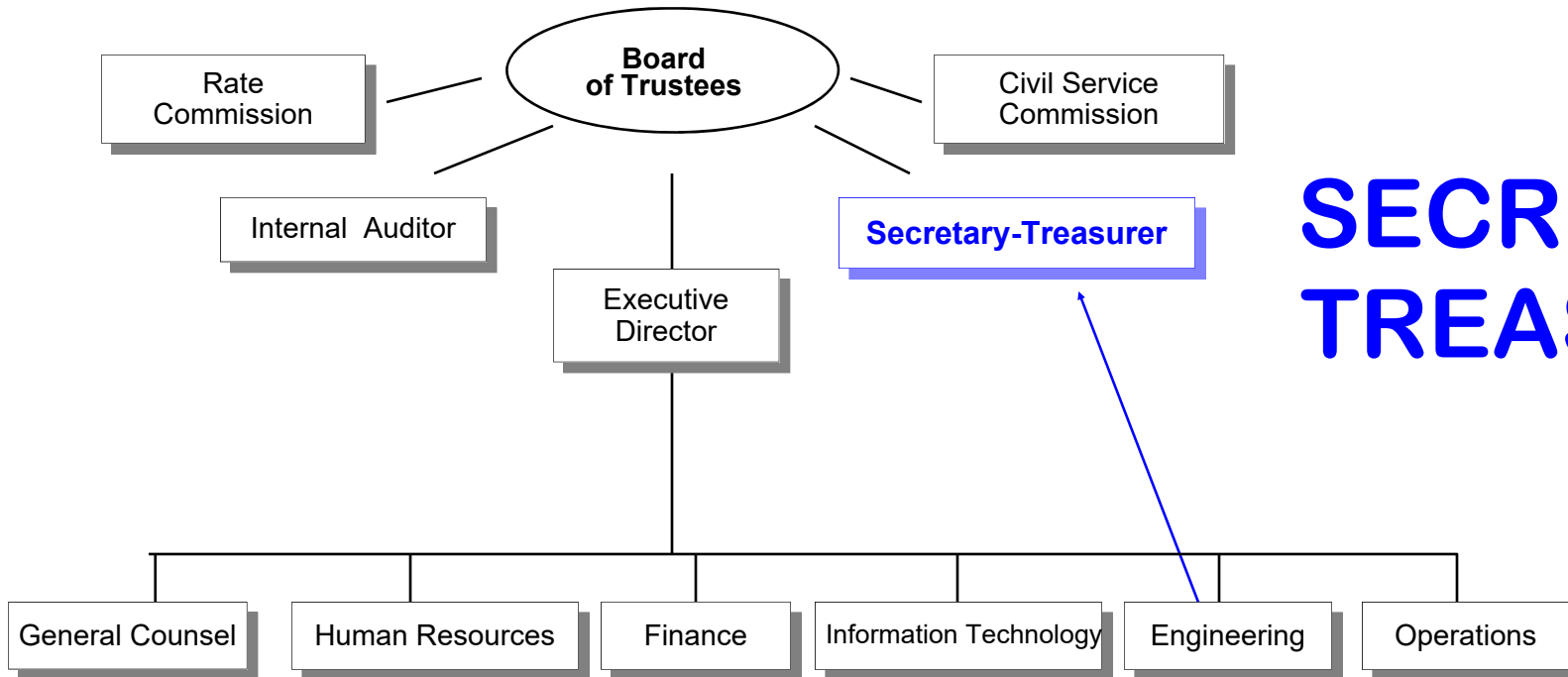
EXPENDITURE SUMMARY		FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000	Personnel Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52000	Supplies	1,139	260	-	-	-	725	750
53000	Usage	-	-	-	-	-	-	-
54000	Contractual Services	607,250	4,535	-	-	-	400,094	29,100
55000	Capital Outlay	-	-	-	-	-	-	-
TOTAL EXPENSES		\$ 608,389	\$ 4,795	\$ 0	\$ 0	\$ -	\$ 400,819	\$ 29,850

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T1410 - Rate Commission**

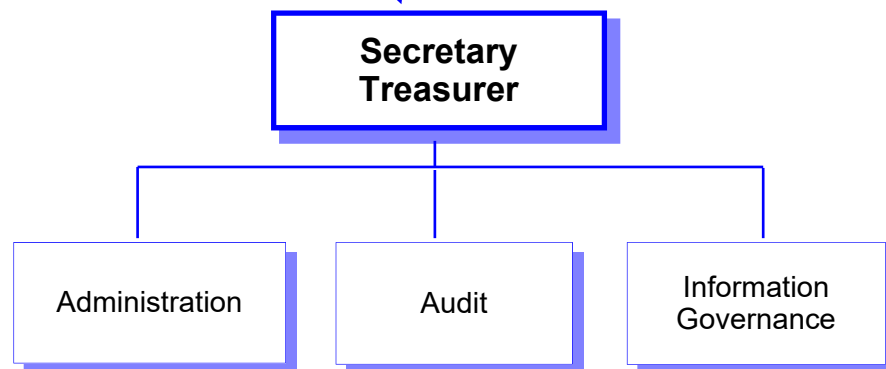
	Actual FY19	Actual FY20	Budget FY21	Forecast FY21	Budget FY22	Projected FY23	Projected FY24
52320 Office Supplies	43	17	-	-	-	409	250
52330 Computer Supplies	137	-	-	-	-	-	-
52390 Administrative Supplies	959	243	-	-	-	316	500
<b>Total Supplies</b>	<b>\$1,139</b>	<b>\$260</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$725</b>	<b>\$750</b>
54080 Advertising Services	255,223	194	-	-	-	159,600	10,000
54180 Courier And Freight	28	-	-	-	-	494	100
54520 Professional Service	351,999	4,342	-	-	-	240,000	19,000
<b>Total Contractual Services</b>	<b>\$607,250</b>	<b>\$4,535</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$400,094</b>	<b>\$29,100</b>
<b>Total General Fund Operating Expense</b>	<b>\$608,389</b>	<b>\$4,795</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$400,819</b>	<b>\$29,850</b>



**FY22 BUDGET**



# SECRETARY-TREASURER



# Secretary-Treasurer

## Mission

*Secretary/Treasurer serves as Secretary to the Board of Trustees, manages District funds, provides administrative support and oversight to the Audit function and the Information Governance program, and provides service to all customers.*

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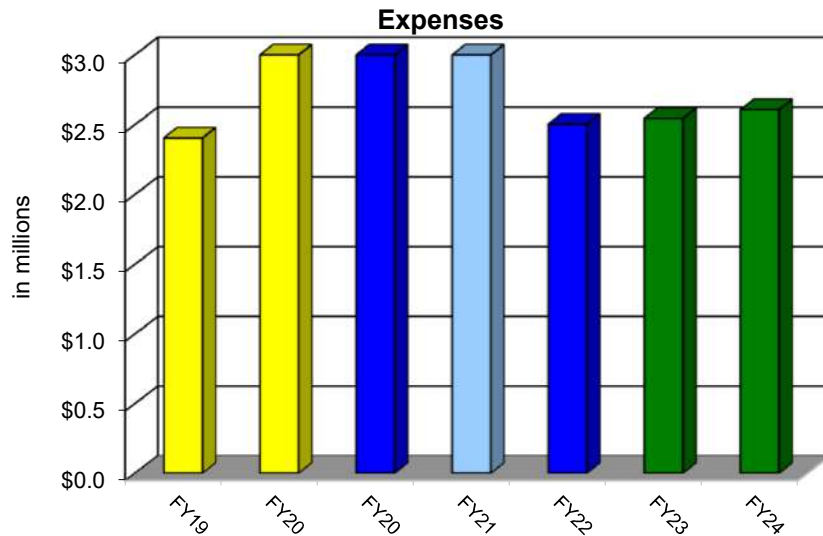
### Fiscal Year 2020 Accomplishments

1. Maintained FY20 department spend at levels outlined in the 2019 Rate Commission. [Strategy 2, Objective 2](#)
2. Secured approximately \$64 million of Senior Bonds proceeds for capital improvements. [Strategy 2, Objective 3](#)
3. Secured \$24 million of Subordinated Debt for capital improvements. [Strategy 2, Objective 3](#)
4. Advance refunded \$273.4 million of outstanding bonds with new taxable bonds, reducing future debt service payments by \$98.7 million. [Strategy 2, Objective 3](#)
5. Entered into an agreement to issue refunding bonds in 2021, 2022, 2023 and 2025 to refund approximately \$250 million of outstanding bonds for future debt service savings of \$72.3 million. [Strategy 2, Objective 3](#)
6. Continued to maintain strong credit ratings with all three rating agencies: S & P (AAA rating), Moody's (Aa1 rating), and Fitch (AA+ rating) [Strategy 2, Objective 3](#)
7. Continued training and implementation of Electronic Records Cleanup and Enterprise Content Management solution pursuant to the Information Governance Plan. [Strategy 3, Objective 2](#)

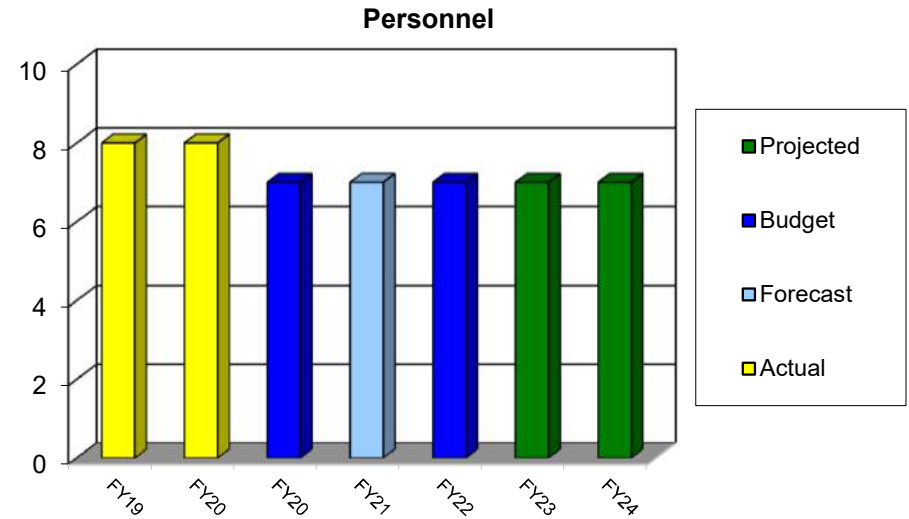


Department FY22 Strategic Business Plan														
District Strategies	Objectives	Milestones	FY22											
			Q1			Q2			Q3			Q4		
1	Inform, educate and partner to build stakeholder understanding.													
	1.	<b>Execute Community Outreach Programs</b>												
		a) Complete stormwater listening sessions.												
2	Manage the District's costs and revenues to optimize financial impacts.													
	2.	<b>Identify and Implement Cost Savings Initiatives</b>												
		a) Evaluate integrated payables process results (i.e., e-payments).												
		c) Continue to evaluate processes that could potentially be automated.												
	3.	<b>Maximize Long-Term Financing Plans for District Needs</b>												
3	Integrate and improve the District's business processes.													
	1.	<b>Implement Information Governance Program That Meets the District's Records &amp; Information Discovery, Compliance and Information Security Policies.</b>												
		a) Complete inaugural Information Governance audit.												
		c) Conduct a District-wide Data Risk Assessment for physical records and data stored in IT Systems.												
	3.	<b>Oracle EBS Upgrade</b>												
		a) Develop implementation plan and identify implementation partner(s).												
		b) Implementation of HRMS, Finance, Treasury, Capital Projects and Purchasing.												
		c) User Acceptance and Go Live.												
	4.	<b>Mobile Technology Strategy</b>												
		a) Continue to develop District mobile technology strategy to standardize mobile hardware and software including Mobile Device Management (MDM) for secure usage of MSD applications on Bring Your Own Device (BYOD) and shared remote network access devices.												
		b) Implement provision mobile technology standards and required IT infrastructure and processes.												
5	Address customer and regulatory needs through a comprehensive infrastructure management program.													
	2.	<b>Implement Wastewater Operating and Capital Improvement Program</b>												
6	Create a learning and business-oriented culture based on competency and accountability.													
	1.	<b>Increase Organizational Performance through Improved Communication</b>												
		a) Work with departments to identify mandatory compliance training to be administered during the first 90 days of employment.												
	3.	<b>Increase Individual Accountability and Job Satisfaction Through Continual Performance Coaching and Training</b>												
	4.	<b>Restructure a recruitment strategy that promotes and retains a talented and diversified workforce</b>												
		a) Conduct department specific focus groups to discuss their experiences, gather input related to current processes, and identify areas for improvement.												
		a) Re-evaluate and assess the process of recruiting and hiring to secure the right people with the right skill sets needed for the organization's business.												
	5.	<b>"Show Me MSD" - Business Partnership to meet the needs of the communities that support them</b>												
	6.	<b>Implement safety and security training to support training to support a safe work environment</b>												
		b) Identify gaps in security, safety and incident response and reporting.												

## Secretary-Treasurer Department



The FY22 Budget of \$2.5 million reflects a decrease of \$1.4 million from the FY21 Forecast. The decrease is primarily in Contractual Services for payments to the Board of Elections Commission for ballot issues related to additional bond authorization and charter changes all of which were approved by the voters. The District will not have any ballot issues in FY22.



No position changes were budgeted for FY22. FY21 budget reflects a decrease of one Office Associate position.



## Secretary-Treasurer Department

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
Secretary-Treasurer Administration Division	\$ 1,609,852	\$ 2,294,036	\$ 2,660,911	\$ 2,695,340	\$ 1,228,699	\$ 1,245,864	\$ 1,278,893
Audit Division	560,978	556,308	647,841	646,859	860,378	875,678	894,662
Information Governance	233,310	317,453	511,856	516,295	415,002	423,938	434,426
<b>TOTAL EXPENSES</b>	<b>\$ 2,404,140</b>	<b>\$ 3,167,797</b>	<b>\$ 3,820,608</b>	<b>\$ 3,858,494</b>	<b>\$ 2,504,079</b>	<b>\$ 2,545,480</b>	<b>\$ 2,607,981</b>
ALLOCATED STAFFING SUMMARY							
Secretary-Treasurer Administration Division	6.00	6.00	5.00	5.00	5.00	5.00	5.00
Audit Division	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Information Governance	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<b>TOTAL POSITIONS</b>	<b>8.00</b>	<b>8.00</b>	<b>7.00</b>	<b>7.00</b>	<b>7.00</b>	<b>7.00</b>	<b>7.00</b>

### PERFORMANCE MEASURES

	Actual	Actual	Goal	Actual	Goal		
Key Performance Measures	FY18	FY19	FY20	FY20	FY21	FY22	FY23
Debt Coverage Ratio-Senior	3.1	3.1	2.5	3.7	2.5	2.5	2.5
Debt Coverage Ratio-All In	2.1	2.2	1.8	2.5	1.8	1.8	1.8

For FY20 the Strategic Business and Operating Plan FY20-FY24, the above performance indicators related to Strategy 2, Manage The District's Cost and Revenues to Optimize Financial Impact, Objective 3 Maximize Long-Term Financial Plans for District Needs. Other years goals may be linked to other Strategy and Objectives.

## Secretary-Treasurer Administrative Division

EXPENDITURE SUMMARY		FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000	Personnel Services	\$ 606,542	\$ 625,134	\$ 588,971	\$ 644,490	\$ 658,080	\$ 667,014	\$ 688,466
52000	Supplies	732	4,383	3,100	2,100	3,000	3,060	3,121
53000	Usage	-	-	-	-	-	-	-
54000	Contractual Services	999,578	1,667,519	2,062,840	2,045,750	561,619	569,670	581,063
55000	Capital Outlay	3,000	(3,000)	6,000	3,000	6,000	6,120	6,242
TOTAL EXPENSES		\$ 1,609,852	\$ 2,294,036	\$ 2,660,911	\$ 2,695,340	\$ 1,228,699	\$ 1,245,864	\$ 1,278,893
ALLOCATED STAFFING SUMMARY								
Officials/Administrative		2.00	2.00	2.00	2.00	2.00	2.00	2.00
Professional		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Technical		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support		4.00	4.00	3.00	3.00	3.00	3.00	3.00
Skilled/Craft		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance		0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL POSITIONS		6.00	6.00	5.00	5.00	5.00	5.00	5.00

### DESCRIPTION OF SERVICES

**This area is responsible for:**

- |  |  |
|--|--|
| <p>1) Maintaining the minutes of the meetings of the Board of Trustees and issuing the minutes prior to the next Board meeting.</p> <p>2) Maintaining a complete record of all ordinances, resolutions and journals.</p> <p>3) Administering and maintaining oaths of office of the Directors and Trustees and maintaining information regarding conflict of interest situations.</p> <p>4) Coordinate the meetings and functions of the Rate Commission.</p> <p>5) Attesting to various documents and records.</p> <p>6) Serves as the administrative liaison between the Legal Department and the Board of Election Commissioners to assure that the appropriate issues are placed on the ballot in an appropriate and timely fashion.</p> <p>7) Maintaining depository relationships with banking institutions and preparing cash forecasts to ensure that cash resources will be available to meet District obligations on a timely basis.</p> | <p>8) Investing excess funds in compliance with Plan and with the primary objectives, in order of priority: 1) safety, 2) liquidity, and 3) yield.</p> <p>9) Coordinating the activities related to the issuance of debt.</p> <p>10) Monitoring the pension, defined contribution and deferred compensation plans of the District.</p> <p>11) The deposit of all monies coming into the District.</p> <p>12) Acting as a liaison for all investor related activities.</p> <p>13) Assist in coordinating the efforts of the Finance Committee and the Audit Committee.</p> <p>14) Maintaining federal and state legislative relationships to improve funding opportunities.</p> |
|--|--|

## Audit Division

EXPENDITURE SUMMARY		FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000	Personnel Services	\$ 119,670	\$ 123,975	\$ 129,261	\$ 128,859	\$ 132,059	\$ 135,083	\$ 139,256
52000	Supplies	665	5,258	5,500	5,500	5,500	6,194	6,318
53000	Usage	-	-	-	-	-	-	0
54000	Contractual Services	439,643	428,075	513,080	512,500	722,819	734,400	749,088
55000	Capital Outlay	1,000	(1,000)	-	-	-	-	0
TOTAL EXPENSES		\$ 560,978	\$ 556,308	\$ 647,841	\$ 646,859	\$ 860,378	\$ 875,678	\$ 894,662
ALLOCATED STAFFING SUMMARY								
Officials/Administrative		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Professional		1.00	1.00	1.00	1.00	1.00	1.00	1.00
Technical		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skilled/Craft		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance		0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL POSITIONS		1.00	1.00	1.00	1.00	1.00	1.00	1.00

### DESCRIPTION OF SERVICES

- 1) Provides contract administration for the annual audit of the District's Financial Statements.
- 2) Provides Internal Audit Administration services and coordinates and supports Internal (external firm acting as internal audit) audit functions.

## Information Governance

EXPENDITURE SUMMARY		FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000	Personnel Services	\$121,748	\$124,906	\$126,603	\$126,644	\$128,556	\$133,025	\$137,695
52000	Supplies	-	-	-	-	-	-	-
53000	Usage	-	-	-	-	-	-	-
54000	Contractual Services	21,562	192,547	385,253	389,651	286,446	290,913	296,731
55000	Capital Outlay	90,000	-	-	-	-	-	-
TOTAL EXPENSES		\$233,310	\$317,453	\$511,856	\$516,295	\$415,002	\$423,938	\$434,426
ALLOCATED STAFFING SUMMARY								
Officials/Administrative		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Professional		1.00	1.00	1.00	1.00	1.00	1.00	1.00
Technical		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skilled/Craft		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance		0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL POSITIONS		1.00	1.00	1.00	1.00	1.00	1.00	1.00

### DESCRIPTION OF SERVICES

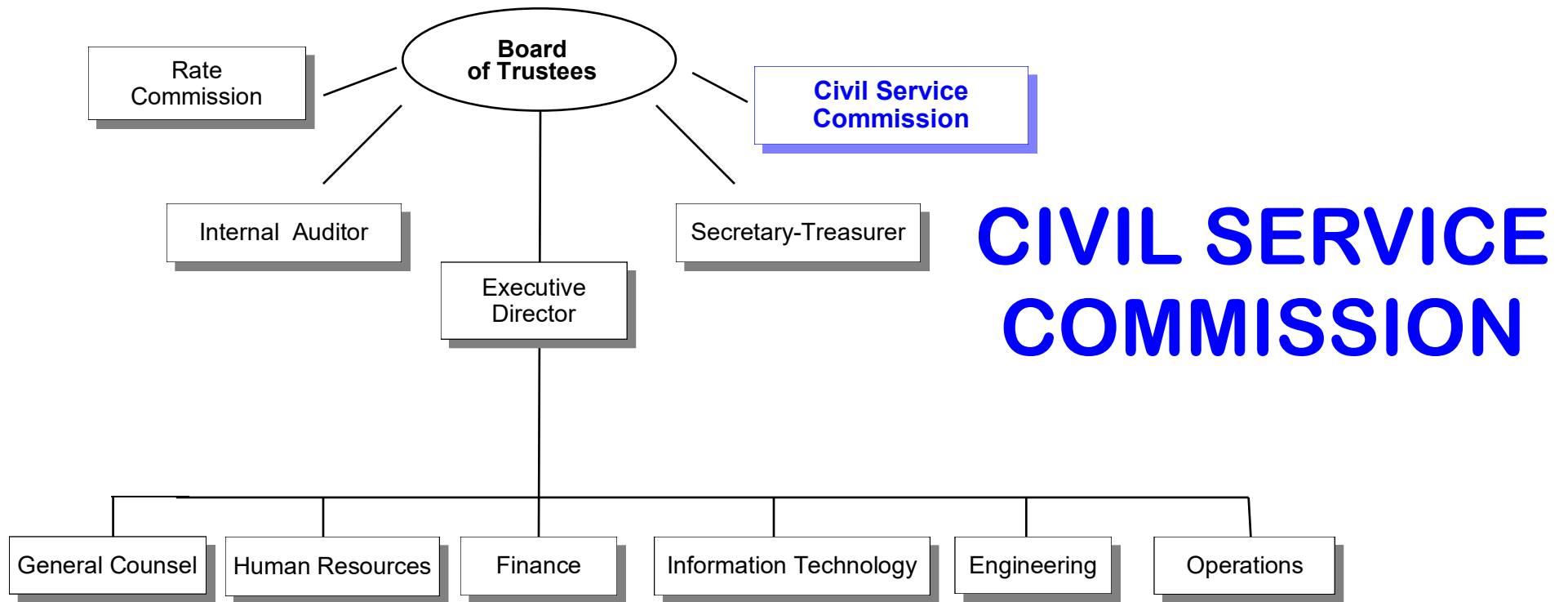
- 1) Manage implementation and rollout of Information Governance policies and tools.
- 2) Develop procedures to assist District in managing records and information responsibly and consistently.
- 3) Educate District personnel on Information Governance practices and tools to minimize risk, liability, and costs while ensuring that records and information are reliable, secure, and accessible.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T1100 - Secretary Treasurer Department**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
51010 Salaries & Wages	640,836	651,491	659,127	666,931	678,774	695,476	716,340
51020 Overtime	85	131	-	-	-	-	-
51120 Membership & Licensing Fees	1,937	2,609	3,399	3,399	3,279	183	186
51210 FICA Taxes	43,591	44,361	50,423	42,587	51,926	53,204	54,800
51220 Group Insurance	71,902	78,804	89,583	83,516	93,332	100,575	108,405
51230 Pension Contributions-Defined Benefit Plan	48,091	55,127	-	61,134	55,545	49,847	49,847
51231 Pension Contributions-Defined Contribution Plan	41,517	41,493	42,184	34,685	25,599	25,599	25,599
51233 DC Plan-Matching Contributions	-	-	-	7,741	10,239	10,239	10,239
51234 EAP	-	-	118	-	-	-	-
<b>Total Personnel Services</b>	<b>\$847,960</b>	<b>\$874,015</b>	<b>\$844,835</b>	<b>\$899,993</b>	<b>\$918,695</b>	<b>\$935,123</b>	<b>\$965,416</b>
52020 Motor Vehicle Parts & Equip	-	8	-	-	-	-	-
52090 Electrical Supplies	10	-	-	-	-	-	-
52100 Instrument Supplies	12	-	-	-	-	-	-
52240 Hand Tools	11	-	-	-	-	-	-
52320 Office Supplies	516	785	1,500	1,000	1,800	1,836	1,873
52330 Computer Supplies	148	17	-	-	-	-	-
52340 Computer Equipment - Non-Capital	-	-	-	-	-	584	596
52380 Publications/Training Supplies	580	4,608	6,500	6,500	6,000	6,120	6,242
52390 Administrative Supplies	120	223	600	100	700	714	728
52400 Furniture & Office Equipment - Non-Capital	-	4,000	-	-	-	-	-
<b>Total Supplies</b>	<b>\$1,397</b>	<b>\$9,642</b>	<b>\$8,600</b>	<b>\$7,600</b>	<b>\$8,500</b>	<b>\$9,254</b>	<b>\$9,440</b>
54050 Office System Services	(18,000)	11,031	20,000	23,000	25,000	25,500	26,010
54080 Advertising Services	-	8,783	30,000	20,000	25,000	25,500	26,010
54100 Travel Expenses	4,015	5,069	7,933	1,013	3,375	-	-
54140 Training Programs/Seminar Fees	4,787	2,214	4,000	4,398	3,800	-	-
54160 Data Imaging Services	-	-	-	1,000	-	-	-
54180 Courier And Freight	4,491	4,881	4,500	4,500	7,000	7,140	7,283
54190 Property & Other Space Rental	55,015	46,369	60,000	60,000	-	-	-
54360 Banking Services Total	22,947	33,317	50,000	50,000	50,000	51,000	52,020
54370 Board Of Election Commission	424,976	82,510	1,500,000	1,500,000	-	-	-
54400 Judgments & Claims Settlements	9	-	-	-	-	-	-

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T1100 - Secretary Treasurer Department**

	Actual FY19	Actual FY20	Budget FY21	Forecast FY21	Budget FY22	Projected FY23	Projected FY24
54520 Professional Service	961,042	2,093,967	1,283,241	1,283,241	1,455,209	1,484,313	1,513,999
54530 Building Repairs & Services	1,500	-	1,500	750	1,500	1,530	1,561
<b>Total Contractual Services</b>	<b>\$1,460,783</b>	<b>\$2,288,141</b>	<b>\$2,961,173</b>	<b>\$2,947,901</b>	<b>\$1,570,884</b>	<b>\$1,594,983</b>	<b>\$1,626,883</b>
55090 Furniture & Office Equipment	4,000	(4,000)	3,000	1,500	3,000	3,060	3,121
55110 Computer Equipment	-	-	3,000	1,500	3,000	3,060	3,121
55115 Intangible (Software)	90,000	-	-	-	-	-	-
<b>Total Capital Outlay</b>	<b>\$94,000</b>	<b>\$4,000</b>	<b>\$6,000</b>	<b>\$3,000</b>	<b>\$6,000</b>	<b>\$6,120</b>	<b>\$6,242</b>
<b>Total General Fund Operating Expense</b>	<b>\$2,404,140</b>	<b>\$3,167,797</b>	<b>\$3,820,608</b>	<b>\$3,858,495</b>	<b>\$2,504,079</b>	<b>\$2,545,481</b>	<b>\$2,607,981</b>



# Civil Service Commission

## Mission

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The Civil Service Commission shall:

1. Advise the Board, Executive Director, and Human Resources Director on problems concerning personnel administration.
2. Investigate certain personnel administrative decisions in the District service and report to the Board at least once a year its findings, conclusions, and recommendations.
3. Recommend civil service rules to the Board.
4. Hear appeals from disciplinary action.
5. Advise, assist, and cooperate in fostering the interest of institutions of learning and civic, professional, and employee organizations in the improvement of personnel standards and conditions in the District.

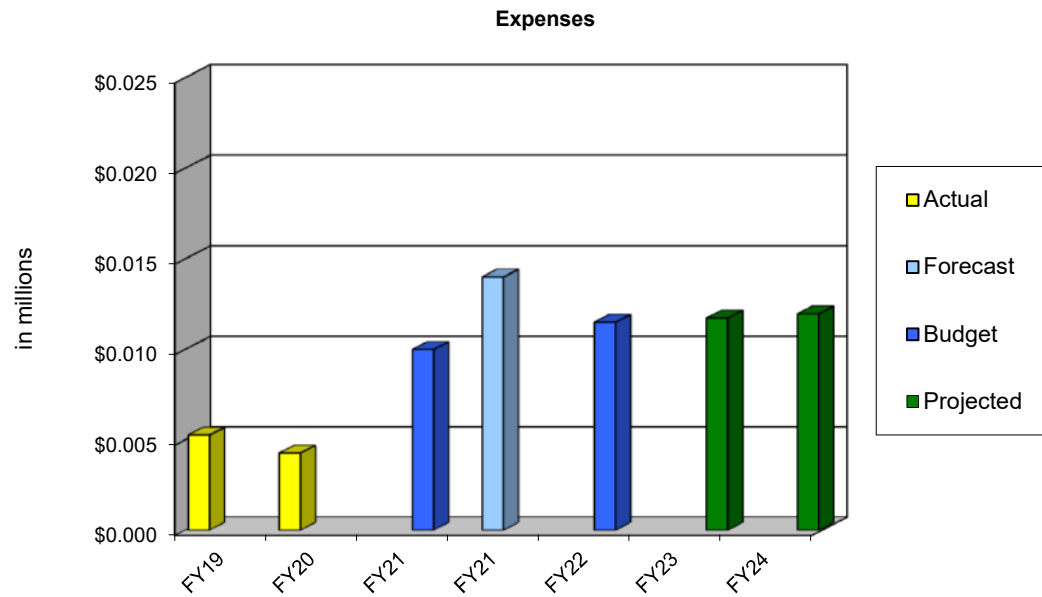
### **DESCRIPTION OF SERVICES**

There shall be a civil service commission to hold public hearings upon proposed civil service rules recommended by the Human Resources Director or by the Civil Service Commission. After such hearing, the Commission shall approve or reject the rules wholly or in part, or may modify them and approve them as so modified. The rules approved by the Commission shall then be submitted to the Board and shall become effective when adopted by ordinance. Such rules and ordinances shall include such provisions as may be necessary to establish a merit system for all positions in the classified service, and shall include a prohibition against the appointment, promotion, reduction, suspension, or removal of any officer or employee in the classified service, or seeking admission thereto, without just cause or because of his race, creed or color, or because of his political, religious, or union opinions or affiliations, except affiliations with any group or organization which seeks or advocates the overthrow of the government of the United States by force or violence or because of any other reason prohibited by law.



## Civil Service Commission

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
Personnel Advisor	\$ 5,258	\$ 4,265	\$ 10,000	\$ 14,000	\$ 11,500	\$ 11,730	\$ 11,965
<b>TOTAL EXPENSES</b>	<b>\$ 5,258</b>	<b>\$ 4,265</b>	<b>\$ 10,000</b>	<b>\$ 14,000</b>	<b>\$ 11,500</b>	<b>\$ 11,730</b>	<b>\$ 11,965</b>



## Personnel Advisor

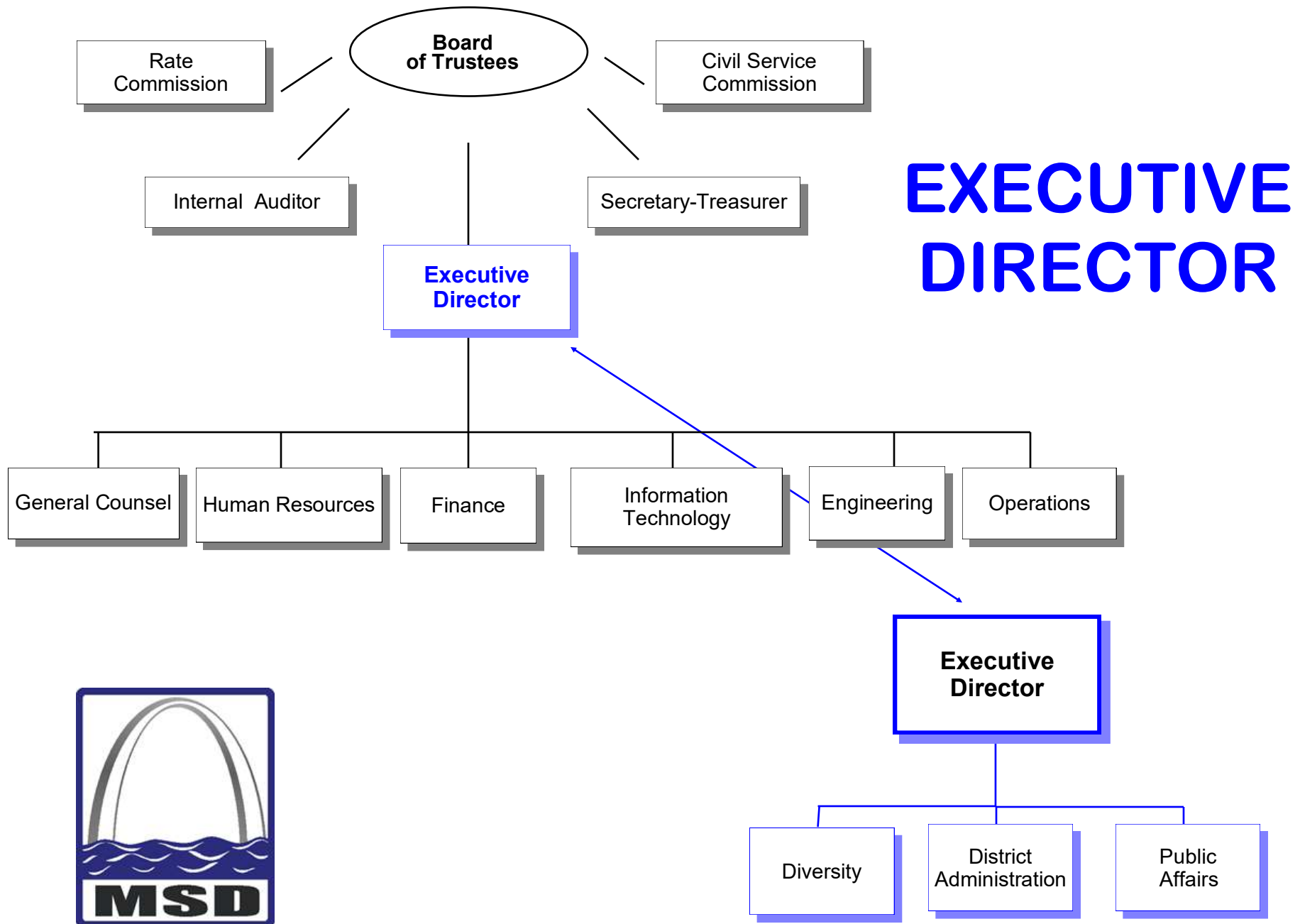
EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 280	\$ 1,023	\$ 3,000	\$ 3,000	\$ 2,500	\$ 2,550	\$ 2,601
52000 Supplies	-	-	2,000	3,500	2,500	2,550	2,601
53000 Usage	-	-	-	-	-	-	-
54000 Contractual Service	4,978	3,242	5,000	7,500	6,500	6,630	6,763
55000 Capital Outlay	-	-	-	-	-	-	-
TOTAL EXPENSES \$	<u>5,258</u>	<u>4,265</u>	<u>10,000</u>	<u>14,000</u>	<u>11,500</u>	<u>11,730</u>	<u>11,965</u>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T2020 - Civil Service Commission**

	Actual FY19	Actual FY20	Budget FY21	Forecast FY21	Budget FY22	Projected FY23	Projected FY24
51090 Civil Service Commision Fees	280	1,023	3,000	3,000	2,500	2,550	2,601
<b>Total Personnel Services</b>	<b>\$280</b>	<b>\$1,023</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$2,500</b>	<b>\$2,550</b>	<b>\$2,601</b>
52390 Administrative Supplies	-	-	2,000	3,500	2,500	2,550	2,601
<b>Total Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$2,000</b>	<b>\$3,500</b>	<b>\$2,500</b>	<b>\$2,550</b>	<b>\$2,601</b>
54180 Courier And Freight	-	-	-	-	1,500	1,530	1,561
54520 Professional Service	4,978	3,242	5,000	7,500	5,000	5,100	5,202
<b>Total Contractual Services</b>	<b>\$4,978</b>	<b>\$3,242</b>	<b>\$5,000</b>	<b>\$7,500</b>	<b>\$6,500</b>	<b>\$6,630</b>	<b>\$6,763</b>
<b>Total General Fund Operating Expense</b>	<b>\$5,258</b>	<b>\$4,265</b>	<b>\$10,000</b>	<b>\$14,000</b>	<b>\$11,500</b>	<b>\$11,730</b>	<b>\$11,965</b>



**FY22 BUDGET**



# Executive Director

## Mission

*The Mission of the Executive Director's Department is to ensure all affairs of the District are in accordance with the District's Charter, the policies of the Board of Trustees, inform and engage stakeholders regarding the services they receive from MSD, and the District's importance to the community.*

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## Fiscal Year 2020 Accomplishments

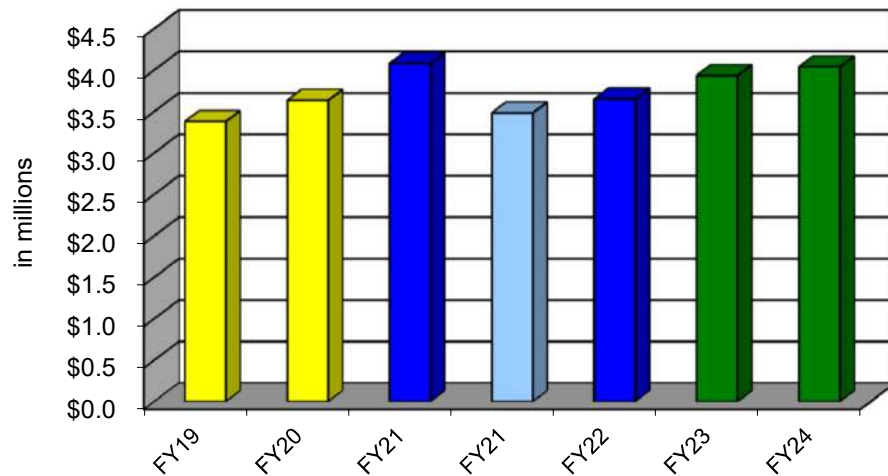
1. Prepared for Prop Y and Plan (Charter) amendment recommendations and election.  
[Strategy 1, Objective 1](#)
2. Developed draft employee talking points protocol for Stormwater Capital Program. Gathered employee input for employee talking points protocol for Stormwater Capital Program. Developed plan to engage stakeholder groups for specific deliverables for Stormwater Capital Program. Got stakeholder groups feedback on engagement topics and process for Stormwater Capital Program.  
[Strategy 1, Objective 1](#)



Department FY22 Strategic Business Plan														
District			FY22											
Strategies	Objectives	Milestones	Q1			Q2			Q3			Q4		
1	Inform, educate and partner to build stakeholder understanding.													
	1.	Execute Community Outreach Programs												
		a) Complete stormwater listening sessions.												
	2.	Execute outreach programs for elected representatives and other municipal officials.												
	3.	Execute Diversity and Outreach Programs												
		a) Continue implementation of Disparity Study results and recommendations based on findings, and update diversity programs as necessary.												
		b) Continue collaboration and outreach with youth programs focused on early development of construction industry workers.												
		c) Collaborate with area programs focused on increasing opportunities for hiring low income, unemployed and underemployed individuals for District projects.												
2	Manage the District's costs and revenues to optimize financial impacts.													
	1.	Increase Collection of Delinquent Revenue												
		a) Implement a pilot water shut-off program for commercial customers and assess effectiveness.												
	2.	Identify and Implement Cost Savings Initiatives												
		c) Continue to evaluate processes that could potentially be automated.												
	3.	Maximize Long-Term Financing Plans for District Needs												
3	Integrate and improve the District's business processes.													
	3.	Oracle EBS Upgrade												
		a) Develop implementation plan and identify implementation partner(s).												
		b) Implementation of HRMS, Finance, Treasury, Capital Projects and Purchasing.												
	4.	Mobile Technology Strategy												
		a) Continue to develop District mobile technology strategy to standardize mobile hardware and software including Mobile Device Management (MDM) for secure usage of MSD applications on Bring Your Own Device (BYOD) and shared remote network access devices.												
		b) Implement provision mobile technology standards and required IT infrastructure and processes.												
4	Promote appropriate standards through proactive regulatory and legislative involvement.													
	1.	Participate in Stakeholder Groups to Develop Sound Technical Basis for Regulatory Issues												
		a) Participate in Missouri-led stakeholder meetings on Clean Water Act permit fees and advocate for an equitable fee structure.												
		b) Participate in Missouri-led stakeholder meetings on nutrient reduction strategy and nutrient trading.												
5	Address customer and regulatory needs through a comprehensive infrastructure management program.													
	2.	Implement Wastewater Operating and Capital Improvement Program												
6	Create a learning and business-oriented culture based on competency and accountability.													
	1.	Increase Organizational Performance through Improved Communication												
		a) Work with departments to identify mandatory compliance training to be administered during the first 90 days of employment.												
	3.	Increase Individual Accountability and Job Satisfaction Through Continual Performance Coaching and Training												
	4.	Restructure a recruitment strategy that promotes and retains a talented and diversified workforce												
		a) Conduct department specific focus groups to discuss their experiences, gather input related to current processes, and identify areas for improvement.												
		a) Re-evaluate and assess the process of recruiting and hiring to secure the right people with the right skill sets needed for the organization's business.												
	5.	"Show Me MSD" - Business Partnership to meet the needs of the communities that support them												
		a) Develop a school and business collaboration plan for a mentorship program focused on diverse students who have an interest in STEM careers.												
	6.	Implement safety and security training to support training to support a safe work environment												
		b) Identify gaps in security, safety and incident response and reporting.												

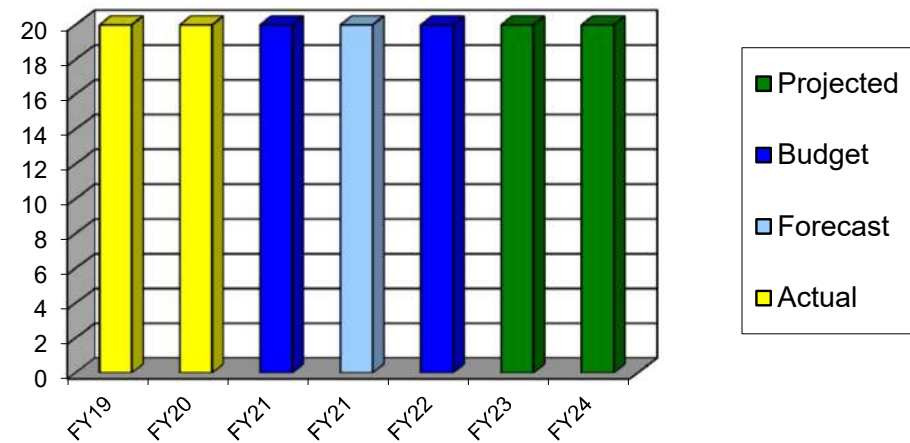
# Executive Director Department

## Expenses



The Executive Director's budget for FY22 is practically unchanged overall from FY21 forecast. The overall increase is approximately \$168 thousand primarily related to Public Affair - Contacted Services increase of \$300 thousand offset by decrease with Diversity

## Personnel



The budget reflects no change in the number of full-time equivalent positions.



## Executive Director Department

<u>EXPENDITURE SUMMARY</u>	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
District Administration Division	\$ 588,981	\$ 543,384	\$ 570,025	\$ 555,363	\$ 577,937	\$ 584,572	\$ 599,609
Public Affairs Division	1,460,529	1,805,542	1,808,683	1,337,698	1,637,794	1,678,661	1,718,826
Diversity Division	1,328,506	1,284,482	1,702,177	1,588,507	1,434,196	1,669,838	1,720,182
<b>TOTAL EXPENSES</b>	<b>\$ 3,378,016</b>	<b>\$ 3,633,408</b>	<b>\$ 4,080,885</b>	<b>\$ 3,481,568</b>	<b>\$ 3,649,927</b>	<b>\$ 3,933,071</b>	<b>\$ 4,038,617</b>
<u>ALLOCATED STAFFING SUMMARY</u>							
District Administration Division	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Public Affairs Division	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Diversity Division	13.00	13.00	13.00	13.00	13.00	13.00	13.00
<b>TOTAL POSITIONS</b>	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>

# PERFORMANCE MEASURES

	Actual	Actual	Goal	Actual	Goal		
Key Performance Measures	FY18	FY19	FY20	FY20	FY21	FY22	FY23
Increase % of Diverse Hires in Management and Professionals Categories	Mgmt 27% Minority; 39% Female - Professionals 13% Minority and 20% Female	Professional Minority Total: 24% Minority professional Female Total: 19% Female Professional Total :48%	Following Two Key Performance Measures for Diversity replace this one				
Maintain average % of Diversity - Minorities within Management & Professionals	Prior year used above KPI		18.5%	23.6%	24.8%	24.8%	25.3%
Maintain average % of Diversity - Females within Management & Professionals	Prior year used above KPI		37.3%	32.1%	33.7%	33.7%	34.4%
Maintain % of Diversity - Minorities within Technical Positions, Administrative Support, and Trades	Prior year used above KPI		18.1%	32.0%	33.6%	33.6%	34.2%
Maintain % of Diversity - Females within Technical Positions, Administrative Support, and Trades	Prior year used above KPI		38.7%	37.9%	39.8%	39.8%	40.9%

For FY20 the Strategic Business and Operating Plan FY20-FY24, the above performance indicators related to Strategy 1, Educate and Partner with Stakeholders to Build Support, Objective 3: Execute Diversity and Outreach Programs.

Overall rating for MSD, as responded to by MSD customers, where they rank MSD versus other area utilities on a 10 point scale (1 = worst possible score and 10 = best possible score)	7.68	7.58	8.00	7.52	8.00	8.00	8.00
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## District Administration Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 574,336	\$ 529,831	\$ 556,769	\$ 550,713	\$ 566,584	\$ 572,978	\$ 587,767
52000 Supplies	2,352	784	600	450	450	459	468
53000 Usage	549	747	500	500	500	525	551
54000 Contractual Services	11,744	12,022	12,156	3,700	10,403	10,611	10,823
55000 Capital Outlay	-	-	-	-	-	-	-
<b>TOTAL EXPENSES</b>	<b>\$ 588,981</b>	<b>\$ 543,384</b>	<b>\$ 570,025</b>	<b>\$ 555,363</b>	<b>\$ 577,937</b>	<b>\$ 584,572</b>	<b>\$ 599,609</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Professional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Technical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>

### DESCRIPTION OF SERVICES

Responsible for the effective and efficient management of all District functions in accordance with the Plan of the District and as directed by the Board of Trustees.

## Public Affairs Division

<u>EXPENDITURE SUMMARY</u>	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 346,127	\$ 408,735	\$ 441,583	\$ 440,498	\$ 452,375	\$ 467,504	\$ 483,273
52000 Supplies	37,770	38,379	43,500	41,900	34,250	36,800	37,536
53000 Usage	5,390	5,400	5,500	5,500	5,500	5,775	6,064
54000 Contractual Services	1,071,242	1,353,028	1,318,100	849,800	1,145,669	1,168,582	1,191,954
55000 Capital Outlay	-	-	-	-	-	-	-
<b>TOTAL EXPENSES</b>	<b>\$ 1,460,529</b>	<b>\$ 1,805,542</b>	<b>\$ 1,808,683</b>	<b>\$ 1,337,698</b>	<b>\$ 1,637,794</b>	<b>\$ 1,678,661</b>	<b>\$ 1,718,826</b>
 <u>ALLOCATED STAFFING SUMMARY</u>							
Officials/Administrative	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Professional	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Technical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>

### DESCRIPTION OF SERVICES

Public Information Division informs the District's stakeholders about the services they receive from MSD and the District's importance to the community through news releases, press events, newsletters and other activities. These efforts are designed to inform and engage stakeholders in District activities, and identify areas where MSD might work more closely with the St. Louis community it serves.

## Diversity Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 921,415	1,163,576	1,270,015	1,161,387	1,311,476	1,340,448	1,383,980
52000 Supplies	21,849	2,873	4,770	4,620	5,220	5,324	5,431
53000 Usage	6,688	7,279	6,000	6,000	6,000	6,300	6,615
54000 Contractual Services	370,310	110,753	421,392	416,500	111,500	317,765	324,156
55000 Capital Outlay	8,244.90	-	-	-	-	-	-
<b>TOTAL EXPENSES</b>	<b>\$ 1,328,506</b>	<b>\$ 1,284,482</b>	<b>\$ 1,702,177</b>	<b>\$ 1,588,507</b>	<b>\$ 1,434,196</b>	<b>\$ 1,669,838</b>	<b>\$ 1,720,182</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Professional	3.00	3.00	4.00	4.00	4.00	4.00	4.00
Technical	8.00	8.00	7.00	7.00	7.00	7.00	7.00
Administrative Support	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>13.00</b>	<b>13.00</b>	<b>13.00</b>	<b>13.00</b>	<b>13.00</b>	<b>13.00</b>	<b>13.00</b>

### DESCRIPTION OF SERVICES

Develop and administer policies, procedures and programs designed to support on-going improvement of the District's commitment to inclusion in all its activities, and communicates these ideals to internal personnel and external stakeholders. For internal personnel, services provided are administering and maintaining creation of Equal Employment and Affirmative Action practices and policies; and Adherence to the District's minority and women business utilization objectives as applicable in contracting and purchasing transactions. For external stakeholders, comprised of minority and women business owners, services provided are beginning-to-end review of all applicable projects and purchase orders for contract goal compliance, the use of effective sourcing techniques, encouragement of inter-business referrals, community outreach, and timely expenditure reporting.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T3000 - Executive Director Department**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
51010 Salaries & Wages	1,206,088	1,427,362	1,516,683	1,440,568	1,574,435	1,621,668	1,670,318
51020 Overtime	801	-	-	-	-	-	-
51030 Compensatory Pay Accrual	756	-	-	-	-	-	-
51100 Emp Service & Incentive Awards	9,000	-	9,000	4,500	9,000	9,180	9,364
51120 Membership & Licensing Fees	185,422	127,137	130,910	130,910	131,755	134,390	137,078
51210 FICA Taxes	84,074	98,373	116,026	94,688	120,444	124,058	127,779
51220 Group Insurance	126,803	177,231	220,914	186,199	224,884	242,344	261,190
51230 Pension Contributions-Defined Benefit Plan	174,305	196,904	203,076	220,974	201,073	180,446	180,446
51231 Pension Contributions-Defined Contribution Plan	54,627	75,136	71,463	59,410	49,175	49,175	49,175
51233 DC Plan-Matching Contributions	-	-	-	15,349	19,670	19,670	19,670
51234 EAP	-	-	295	-	-	-	-
<b>Total Personnel Services</b>	<b>\$1,841,877</b>	<b>\$2,102,143</b>	<b>\$2,268,368</b>	<b>\$2,152,598</b>	<b>\$2,330,436</b>	<b>\$2,380,930</b>	<b>\$2,455,020</b>
52070 Hardware	-	4	-	-	-	-	-
52090 Electrical Supplies	11	78	-	-	-	-	-
52100 Instrument Supplies	60	4	-	-	-	-	-
52170 Safety Supplies	-	164	-	-	-	-	-
52240 Hand Tools	27	-	-	-	-	-	-
52280 Uniforms	4,110	4,368	-	-	-	-	-
52300 Safety Footwear	2,963	1,725	3,400	2,600	3,000	3,060	3,121
52310 Telephone/Communic Equip/Suppl	1,699	605	-	200	-	-	-
52320 Office Supplies	4,019	2,200	4,270	4,270	2,770	2,825	2,882
52330 Computer Supplies	5,362	3,274	3,000	1,000	-	1,865	1,902
52340 Computer Equipment - Non-Capital	17,412	919	-	1,000	-	-	-
52370 Photo & Video Supplies	1,300	823	750	800	2,000	2,040	2,081
52380 Publications/Training Supplies	1,272	779	900	750	750	765	780
52390 Administrative Supplies	23,736	25,265	36,550	36,350	31,400	32,028	32,669
52400 Furniture & Office Equipment - Non-Capital	-	1,828	-	-	-	-	-
<b>Total Supplies</b>	<b>\$61,970</b>	<b>\$42,036</b>	<b>\$48,870</b>	<b>\$46,970</b>	<b>\$39,920</b>	<b>\$42,583</b>	<b>\$43,435</b>
53270 Telephone Usage	12,627	13,425	12,000	12,000	12,000	12,600	13,230
<b>Total Usage</b>	<b>\$12,627</b>	<b>\$13,425</b>	<b>\$12,000</b>	<b>\$12,000</b>	<b>\$12,000</b>	<b>\$12,600</b>	<b>\$13,230</b>
54050 Office System Services	11,219	14,900	450	450	450	459	468

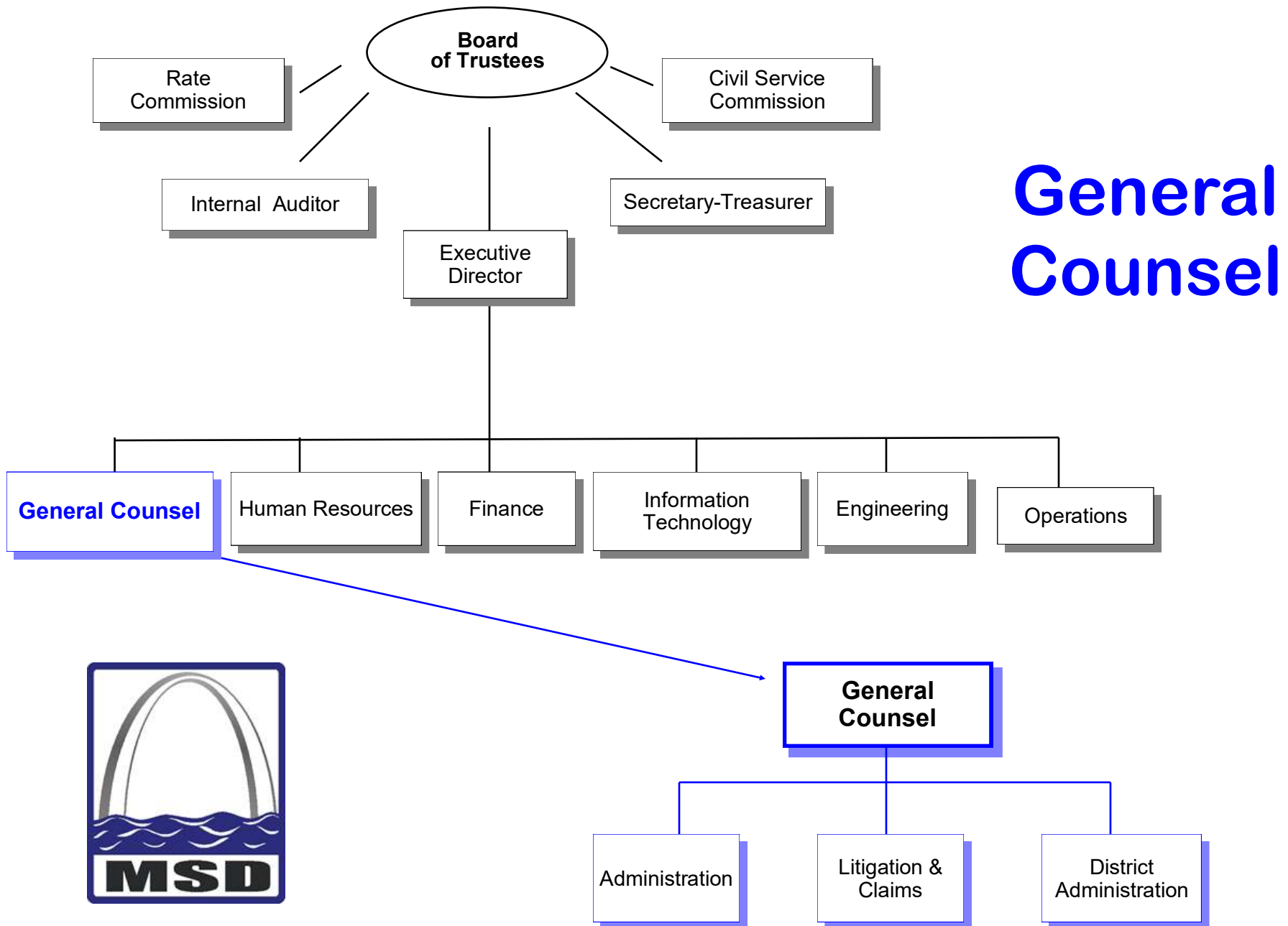
**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T3000 - Executive Director Department**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
54060 Printing Services	1,022	5,748	10,000	10,000	10,000	10,200	10,404
54080 Advertising Services	204,833	132,607	157,000	157,000	158,000	161,160	164,383
54100 Travel Expenses	15,352	12,571	17,848	2,200	5,221	5,326	5,432
54120 Photo Services	6,200	6,000	7,500	1,500	7,500	7,650	7,803
54140 Training Programs/Seminar Fees	7,049	7,245	9,700	7,000	5,050	5,151	5,254
54180 Courier And Freight	1,173	400	50	50	50	51	52
54190 Property & Other Space Rental	253	-	-	-	-	-	-
54520 Professional Service	1,057,795	1,120,377	1,036,300	610,800	878,800	896,376	914,304
54530 Building Repairs & Services	1,076	0	-	-	-	-	-
54560 Motor Vehicle Services	1,743	1,587	3,500	3,500	3,500	3,605	3,713
54710 Community Outreach Programs	145,582	174,368	509,300	477,500	199,000	406,980	415,120
<b>Total Contractual Services</b>	<b>\$1,453,296</b>	<b>\$1,475,804</b>	<b>\$1,751,648</b>	<b>\$1,270,000</b>	<b>\$1,267,571</b>	<b>\$1,496,958</b>	<b>\$1,526,933</b>
55090 Furniture & Office Equipment	8,245	-	-	-	-	-	-
<b>Total Capital Outlay</b>	<b>\$8,245</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Total General Fund Operating Expense</b>	<b>\$3,378,015</b>	<b>\$3,633,409</b>	<b>\$4,080,886</b>	<b>\$3,481,568</b>	<b>\$3,649,928</b>	<b>\$3,933,071</b>	<b>\$4,038,617</b>



**FY22 BUDGET**





# General Counsel

## Mission

*The General Counsel's office is responsible for all legal matters concerning the District. The Department provides legal services and guidance as requested or required by the Board of Trustees, Executive Director and District staff.*

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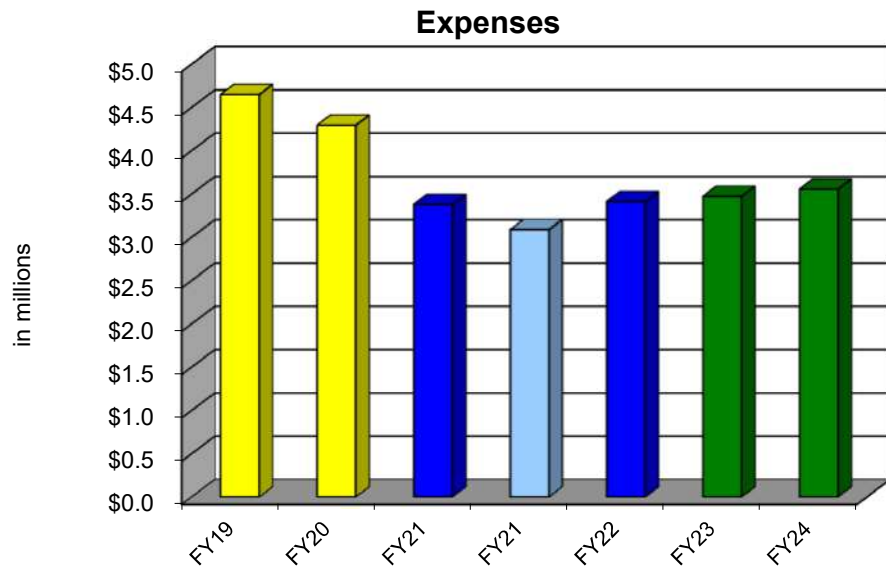
## Fiscal Year 2020 Accomplishments

1. Managed legal challenges associated with the implementation of the District's Consent Decree. [\(Strategy 5, Objective 2\)](#)
2. Successfully defended the District before the Civil Service Commission; Equal Employment Opportunity Commission; Civil Court and Federal Court in a wide variety of litigation matters. [\(Strategy 6, Objective 3\)](#)
3. Provided legal counseling to the District on various matters, including but not limited to, liability claims involving personal injury, wrongful death, breach of contract, nuisance, property damage and/or inverse condemnation; human resource claims arising under federal, state or local civil rights and employment laws or MSD's Civil Service rules; real estate claims involving property rights including acquisition by eminent domain; environmental matters involving both state and federal laws; administrative claims associated with corporate governance matters such as Missouri Sunshine Law, MSD Charter Plan and MSD Ordinances/Resolutions; review of contracts; customer service level issues; regulatory compliance programs; and procurement issues. [\(Strategy 5, Objective 2\)](#)
4. Participated in stakeholders' groups to develop sound technical basis for regulatory issues. [\(Strategy 4, Objectives 1 & 2\)](#)

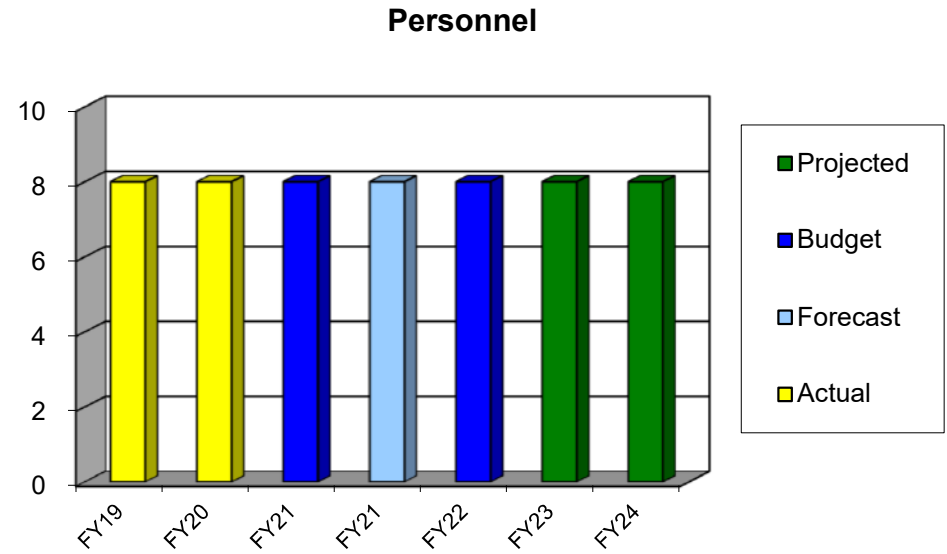


Department FY22 Strategic Business Plan														
District			FY22											
Strategies	Objectives	Milestones	Q1			Q2			Q3			Q4		
1	Inform, educate and partner to build stakeholder understanding.													
	2.	Execute outreach programs for elected representatives and other municipal officials.												
	3.	Execute Diversity and Outreach Programs												
		a) Continue implementation of Disparity Study results and recommendations based on findings, and update diversity programs as necessary.												
2	Manage the District's costs and revenues to optimize financial impacts.													
	1.	Increase Collection of Delinquent Revenue												
		a) Implement a pilot water shut-off program for commercial customers and assess effectiveness.												
	2.	Identify and Implement Cost Savings Initiatives												
		c) Continue to evaluate processes that could potentially be automated.												
	3.	Maximize Long-Term Financing Plans for District Needs												
3	Integrate and improve the District's business processes.													
	3.	Oracle EBS Upgrade												
		a) Develop implementation plan and identify implementation partner(s).												
		b) Implementation of HRMS, Finance, Treasury, Capital Projects and Purchasing.												
	4.	Mobile Technology Strategy												
		a) Continue to develop District mobile technology strategy to standardize mobile hardware and software including Mobile Device Management (MDM) for secure usage of MSD applications on Bring Your Own Device (BYOD) and shared remote network access devices.												
		b) Implement provision mobile technology standards and required IT infrastructure and processes.												
4	Promote appropriate standards through proactive regulatory and legislative involvement.													
	1.	Participate in Stakeholder Groups to Develop Sound Technical Basis for Regulatory Issues												
		a) Participate in Missouri-led stakeholder meetings on Clean Water Act permit fees and advocate for an equitable fee structure.												
		b) Participate in Missouri-led stakeholder meetings on nutrient reduction strategy and nutrient trading.												
	2.	Promote Appropriate Regulatory and Legislative Initiatives that Impact All Areas of District Operations.												
		a) Advocate for a national peak wet weather rule that is consistent with Missouri regulations and the 2013 8th Circuit Iowa League of Cities decision.												
		b) Advocate for reasonable, affordable, and consistent air and water permit requirements for all of MSD's facilities.												
5	Address customer and regulatory needs through a comprehensive infrastructure management program.													
	2.	Implement Wastewater Operating and Capital Improvement Program												
		b) Conduct quarterly meetings with Engineering and General Counsel staffs to monitor and adjust projects in order to ensure compliance with the Consent Decree performance measure for the elimination of 85% Constructed Sanitary Overflows by the end of calendar 2023.												
6	Create a learning and business-oriented culture based on competency and accountability.													
	1.	Increase Organizational Performance through Improved Communication												
		a) Work with departments to identify mandatory compliance training to be administered during the first 90 days of employment.												
	3.	Increase Individual Accountability and Job Satisfaction Through Continual Performance Coaching and Training												
	4.	Restructure a recruitment strategy that promotes and retains a talented and diversified workforce												
		a) Conduct department specific focus groups to discuss their experiences, gather input related to current processes, and identify areas for improvement.												
		a) Re-evaluate and assess the process of recruiting and hiring to secure the right people with the right skill sets needed for the organization's business.												
	5.	"Show Me MSD" - Business Partnership to meet the needs of the communities that support them												
	6.	Implement safety and security training to support training to support a safe work environment												
		b) Identify gaps in security, safety and incident response and reporting.												

# General Counsel



The FY22 budget of \$3.4 million is practically unchanged overall from FY21 budget. FY21 forecast is estimated at \$310 thousand lower related to the Litigation and Claims.



The budget reflects no change in the number of full-time equivalent positions.

## General Counsel Department

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
General Counsel District Administration Division \$	256,641	\$ 273,044	\$ 278,160	\$ 279,172	\$ 285,371	\$ 285,571	\$ 292,659
Litigation and Claims Division	4,234,387	3,863,633	2,936,009	2,641,796	2,951,597	3,010,314	3,080,420
General Counsel Administration Division	156,880	157,002	165,370	167,432	175,324	177,548	181,810
<b>TOTAL EXPENSES \$</b>	<b>4,647,908</b>	<b>\$ 4,293,679</b>	<b>\$ 3,379,539</b>	<b>\$ 3,088,400</b>	<b>\$ 3,412,292</b>	<b>\$ 3,473,433</b>	<b>\$ 3,554,889</b>
		4293678				3473434	3554888
<b>ALLOCATED STAFFING SUMMARY</b>							
General Counsel District Administration Division	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Litigation and Claims Division	6.00	6.00	6.00	6.00	6.00	6.00	6.00
General Counsel Administration Division	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<b>TOTAL POSITIONS</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>

### PERFORMANCE MEASURES

	Actual	Actual	Goal	Actual	Goal		
Key Performance Measures	FY18	FY19	FY20	FY20	FY21	FY22	FY23
Litigation matters supported by outside counsel	16%	14%	Less than 16%	9%	Less than 16%	Less than 16%	Less than 16%

For FY20 the Strategic Business and Operating Plan FY20-FY24, the above performance indicators related to Strategy 2, Manage The District's Cost and Revenues to Optimize Financial Impact, Objective 2: Identify and Implement Cost Savings Initiatives. Other years goals may be linked to other Strategy and Objectives.

## General Counsel Administration Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 253,069	\$ 269,144	\$ 272,733	\$ 276,047	\$ 278,697	\$ 278,764	\$ 285,715.00
52000 Supplies	-	14	-	-	-	-	-
53000 Usage	-	-	-	-	-	-	-
54000 Contractual Services	3,572	3,886	5,427	3,125	6,674	6,807	6,944.00
55000 Capital Outlay	-	-	-	-	-	-	-
<b>TOTAL EXPENSES</b>	<b>\$ 256,641</b>	<b>\$ 273,044</b>	<b>\$ 278,160</b>	<b>\$ 279,172</b>	<b>\$ 285,371</b>	<b>\$ 285,571</b>	<b>\$ 292,659.00</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Professional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Technical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>

### DESCRIPTION OF SERVICES

This division is responsible for all legal matters involving or affecting the District. It provides legal services as requested or required by the District's Board of Trustees, Executive Director and staff. This function also communicates with federal, state, and local officials through either lobbying efforts, attending public meetings or meeting individually with public officials about the benefits of the services provided by MSD and the need to secure additional support.

## General Counsel District Administration Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 77,217	\$ 81,574	\$ 82,630	\$ 84,652	\$ 84,184	\$ 84,567	\$ 86,950.00
52000 Supplies	78,736	74,403	81,500	81,600	88,750	90,525	92,336.00
53000 Usage	480	480	480	480	600	630	662.00
54000 Contractual Services	447	545	760	700	1,790	1,826	1,862.00
55000 Capital Outlay	-	-	-	-	-	-	-
<b>TOTAL EXPENSES</b>	<b>\$ 156,880</b>	<b>\$ 157,002</b>	<b>\$ 165,370</b>	<b>\$ 167,432</b>	<b>\$ 175,324</b>	<b>\$ 177,548</b>	<b>\$ 181,810.00</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Professional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Technical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>

### DESCRIPTION OF SERVICES

This division is responsible for performing complex office administrative support to the entire General Counsel Department.

## Litigation and Claims Division

<u>EXPENDITURE SUMMARY</u>	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 832,371	\$ 875,634	\$ 897,702	\$ 905,641	\$ 915,344	\$ 933,336	\$ 961,901
52000 Supplies	23	-	-	-	-	-	-
53000 Usage	-	-	-	-	-	-	-
54000 Contractual Services	3,401,993	2,987,999	2,038,307	1,736,155	2,036,253	2,076,978	2,118,519
55000 Capital Outlay	-	-	-	-	-	-	-
<b>TOTAL EXPENSES \$</b>	<b>4,234,387</b>	<b>3,863,633</b>	<b>2,936,009</b>	<b>2,641,796</b>	<b>2,951,597</b>	<b>3,010,314</b>	<b>3,080,420</b>
 <u>ALLOCATED STAFFING SUMMARY</u>							
Officials/Administrative	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Professional	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Technical	1.00	1.00	1.00	1.00	0.00	0.00	0.00
Administrative Support	0.00	0.00	0.00	0.00	1.00	1.00	1.00
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>

### DESCRIPTION OF SERVICES

This function handles all litigation and claims involving the District. In those instances when the District is represented by outside counsel either assigned by the District's insurance carrier or when chosen by the District, this functional area coordinates the work, acts as liaison and generally, actively participates and assists outside counsel in the litigation.



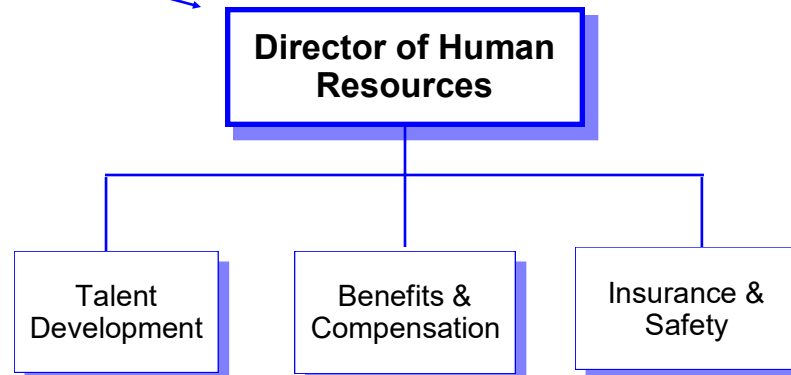
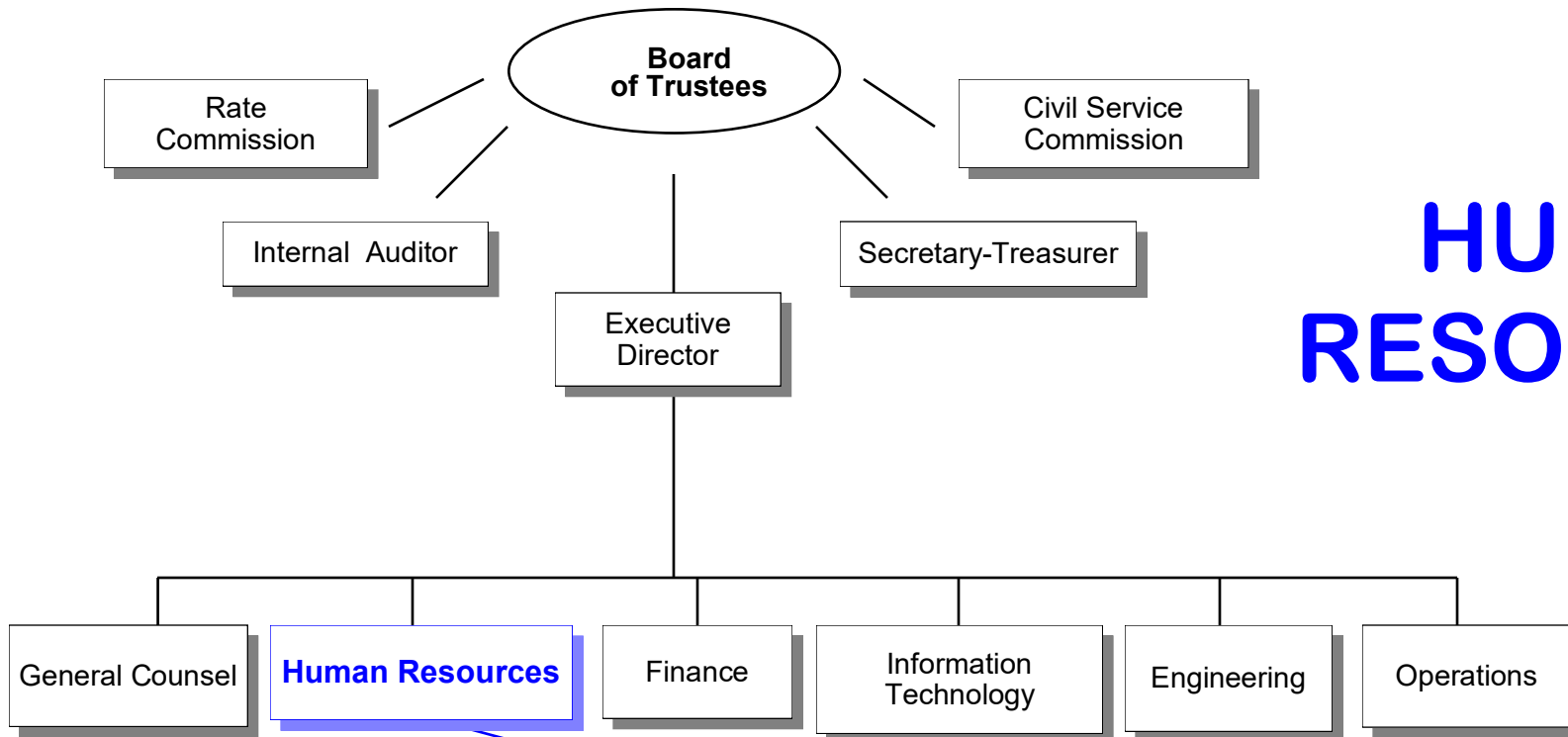
**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T5500 - General Counsel Department**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
51010 Salaries & Wages	847,051	876,557	879,510	892,597	908,008	935,248	963,305
51020 Overtime	80	-	100	50	-	-	-
51120 Membership & Licensing Fees	5,747	6,185	7,885	7,885	6,730	6,865	7,002
51210 FICA Taxes	58,584	60,601	67,290	56,608	69,463	71,546	73,693
51220 Group Insurance	69,189	77,304	87,122	81,522	90,944	97,947	105,505
51230 Pension Contributions-Defined Benefit Plan	151,716	174,250	178,954	194,718	175,658	157,638	157,638
51231 Pension Contributions-Defined Contribution Plan	30,290	31,455	32,086	26,562	19,588	19,588	19,588
51233 DC Plan-Matching Contributions	-	-	-	6,399	7,835	7,835	7,835
51234 EAP	-	-	118	-	-	-	-
<b>Total Personnel Services</b>	<b>\$1,162,657</b>	<b>\$1,226,352</b>	<b>\$1,253,065</b>	<b>\$1,266,340</b>	<b>\$1,278,225</b>	<b>\$1,296,668</b>	<b>\$1,334,567</b>
52090 Electrical Supplies	55	37	-	-	-	-	-
52310 Telephone/Communic Equip/Suppl	-	328	-	-	-	-	-
52320 Office Supplies	1,672	3,601	5,000	5,000	5,150	5,253	5,358
52330 Computer Supplies	480	341	-	100	-	-	-
52340 Computer Equipment - Non-Capital	355	170	-	-	-	-	-
52370 Photo & Video Supplies	-	-	100	100	100	102	104
52380 Publications/Training Supplies	75,665	68,836	75,000	75,000	82,000	83,640	85,313
52390 Administrative Supplies	532	1,103	1,400	1,400	1,500	1,530	1,561
<b>Total Supplies</b>	<b>\$78,760</b>	<b>\$74,416</b>	<b>\$81,500</b>	<b>\$81,600</b>	<b>\$88,750</b>	<b>\$90,525</b>	<b>\$92,336</b>
53270 Telephone Usage	480	480	480	480	600	630	661
<b>Total Usage</b>	<b>\$480</b>	<b>\$480</b>	<b>\$480</b>	<b>\$480</b>	<b>\$600</b>	<b>\$630</b>	<b>\$661</b>
54060 Printing Services	(522)	4	200	200	250	255	260
54100 Travel Expenses	4,703	4,392	7,567	4,355	4,237	4,322	4,408
54140 Training Programs/Seminar Fees	3,367	5,917	5,227	3,925	6,980	7,120	7,262
54180 Courier And Freight	342	426	500	500	750	765	780
54400 Judgments & Claims Settlements	97	-	25,000	25,000	25,000	25,500	26,010
54420 Court Costs & Lien Fees	6,668	5,336	6,000	6,000	7,500	7,650	7,803
54440 Easement Acquisitions/Fees	2,100	-	-	-	-	-	-
54520 Professional Service	3,389,256	2,976,355	2,000,000	1,700,000	2,000,000	2,040,000	2,080,800
<b>Total Contractual Services</b>	<b>\$3,406,011</b>	<b>\$2,992,430</b>	<b>\$2,044,494</b>	<b>\$1,739,980</b>	<b>\$2,044,717</b>	<b>\$2,085,611</b>	<b>\$2,127,324</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T5500 - General Counsel Department**

	Actual FY19	Actual FY20	Budget FY21	Forecast FY21	Budget FY22	Projected FY23	Projected FY24
Total General Fund Operating Expense	<u>\$4,647,908</u>	<u>\$4,293,678</u>	<u>\$3,379,539</u>	<u>\$3,088,400</u>	<u>\$3,412,292</u>	<u>\$3,473,434</u>	<u>\$3,554,887</u>

# HUMAN RESOURCES



## Human Resources Mission

*The Human Resources Department is a professional services team supporting a learning and business-oriented culture based on accountability, such that we:*

- *Assist the District and its employees to enhance skills, performance and work satisfaction*
- *Support the District to achieve the Strategic Business Plan*
- *Ensure fair, equitable employee treatment and recognition*
- *Manage the District's loss prevention programs*

***We measure our success by our customers' satisfaction  
with our performance in accomplishing mutual objectives.***

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## Fiscal Year 2020 Accomplishments:

### TALENT DEVELOPMENT

1. Implemented a Recruitment Intake Process to increase the communication and partnership for departments and management to improve the process of hiring viable candidates within a turnaround of 45-60 days. ([Strategy 6, Objective 1](#))
2. Incorporated an internal candidate survey for the purpose of improving employee communication on hiring statuses. ([Strategy 6, Objective 1](#))
3. Implemented a District-wide accelerated online assessment resource in alignment with department-specific screening and selection to expedite the hiring process of qualified candidates. ([Strategy 6, Objective 1](#))
4. Established a Secondary Employment Survey as part of senior leadership's COVID-19 compliance and accountability of management. ([Strategy 6, Objective 1](#))
5. Implemented the Recruitment Intake Process to assess succession within the departments and anticipation of immediate and future position vacancies. ([Strategy 6, Objective 2](#))
6. Established a Security Committee to address criticalities and vulnerabilities impacting the workplace and to provide input in the implementation of a comprehensive security plan for the District. ([Strategy 6, Objective 2](#))
7. Worked in collaboration with department managers on PIPs in a uniformed manner to ensure consistency, fairness and compliance with Civil Service rules, EEO Laws, Legal and MSD policies and procedures. ([Strategy 6, Objective 3](#))
8. Redeveloped and facilitated Internal Interviewing Training Classes for District internal employees seeking other promotional opportunities within the District. ([Strategy 6, Objective 3](#))
9. Conducted a successful pilot of a CSTT hiring group utilizing the Recruitment Intake Process to measure the efficiency, effectiveness and timeliness in securing viable candidates. ([Strategy 6, Objective 3](#))
10. District-wide use of LMS. ([Strategy 6, Objective 3](#))
11. District-wide use of NeoGov Perform. ([Strategy 6, Objective 2](#))
12. Provide educational assistance. ([Strategy 6, Objective 2](#))
13. District-wide use of ONBOARD. ([Strategy 6, Objective 1](#))
14. Implemented over 3,000 online courses for all employees District-wide (LMS). ([Strategy 6, Objective 3](#))
15. Implemented Percipio learning platform for the IT department (LMS). ([Strategy 6, Objective 3](#))
16. Pre-employment assessment, research and implementation. ([Strategy 6, Objective 1](#))
17. Developed online safety training (DEC). ([Strategy 6, Objective 3](#))
18. Redesigned and updated Hyperion Online Training. ([Strategy 6, Objective 3](#))
19. Office 365 – Implementation Training. ([Strategy 6, Objective 3](#))
20. Assisted PR with Return to Work Project. ([Strategy 6, Objective 1](#))
21. Utilized LMS as communications tool (Legal Holds, Policies, Updates, etc.). ([Strategy 6, Objective 1](#))
22. Team Leader Training Development. ([Strategy 6, Objective 2](#))
23. Interview training for interviewees. ([Strategy 6, Objective 2](#))
24. Coordinate Training Programs (CSTT, MMT, TPOT, Grade 13, Upward Mobility). ([Strategy 6, Objective 3](#))

## BENEFITS & COMPENSATION

- 25. The results of the Wellness Program were reviewed. Changes to the Wellness Program have been identified for FY21.  
(Strategy 2, Objective 2)

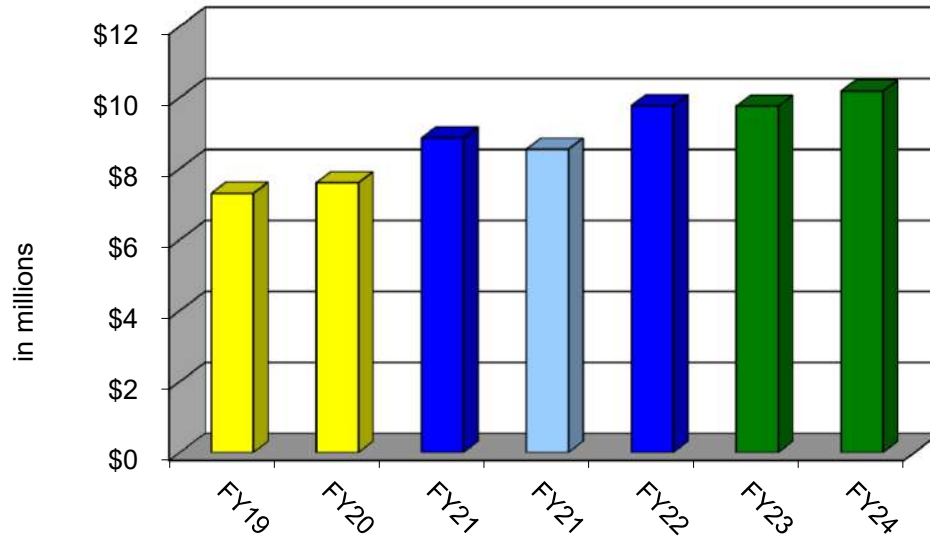
## INSURANCE & SAFETY

- 26. Quarterly meetings with all facility managers regarding claims and Workman's Comp concerns. (Strategy 6, Objective 3)
- 27. Annual claims meeting with TPA and upper management for discussion and planning. (Strategy 6, Objective 3)
- 28. Monthly safety meetings held and compliance documented in LD. (Strategy 6, Objective 3)
- 29. Quarterly meetings with all facility managers regarding claims and Workman's Comp concerns. (Strategy 6, Objective 1)
- 30. Annual WC meetings with TPA and management noting the high frequency injury trends. (Strategy 2, Objective 2)

Department FY22 Strategic Business Plan														
District			FY22											
Strategies	Objectives	Milestones	Q1			Q2			Q3			Q4		
2	Manage the District's costs and revenues to optimize financial impacts.													
	2.	Identify and Implement Cost Savings Initiatives												
		b) Investigate the District's ability to offer non-traditional benefits.												
		c) Continue to evaluate processes that could potentially be automated.												
		d) Assess changes needed to Wellness Program.												
	3.	Maximize Long-Term Financing Plans for District Needs												
3	Integrate and improve the District's business processes.													
	3.	Oracle EBS Upgrade												
		a) Develop implementation plan and identify implementation partner(s).												
		b) Implementation of HRMS, Finance, Treasury, Capital Projects and Purchasing.												
		c) User Acceptance and Go Live.												
	4.	Mobile Technology Strategy												
		a) Continue to develop District mobile technology strategy to standardize mobile hardware and software including Mobile Device Management (MDM) for secure usage of MSD applications on Bring Your Own Device (BYOD) and shared remote network access devices.												
		b) Implement provision mobile technology standards and required IT infrastructure and processes.												
6	Create a learning and business-oriented culture based on competency and accountability.													
	1.	Increase Organizational Performance through Improved Communication												
		a) Work with departments to identify mandatory compliance training to be administered during the first 90 days of employment.												
	2.	Improve Organizational Effectiveness through Leadership Development and Succession Management												
		a) Identify key positions that may be at risk of vacancy within the next 3-5 years and then assess the knowledge, skills, and abilities needed to support business continuity.												
	3.	Increase Individual Accountability and Job Satisfaction Through Continual Performance Coaching and Training												
		a) Develop a training course on Writing Effective Performance Improvement Plans and Impact of Changed Behavior, outlining in detail any issues or behaviors causing problems, corrective actions to take, and resources available to offer support.												
	4.	Restructure a recruitment strategy that promotes and retains a talented and diversified workforce												
		a) Conduct department specific focus groups to discuss their experiences, gather input related to current processes, and identify areas for improvement.												
		a) Re-evaluate and assess the process of recruiting and hiring to secure the right people with the right skill sets needed for the organization's business.												
	5.	"Show Me MSD" - Business Partnership to meet the needs of the communities that support them												
		a) Develop a school and business collaboration plan for a mentorship program focused on diverse students who have an interest in STEM careers.												
	6.	Implement safety and security training to support training to support a safe work environment												
		a) Assess security monitoring and access issues in the field and at all facilities.												
		b) Identify gaps in security, safety and incident response and reporting.												

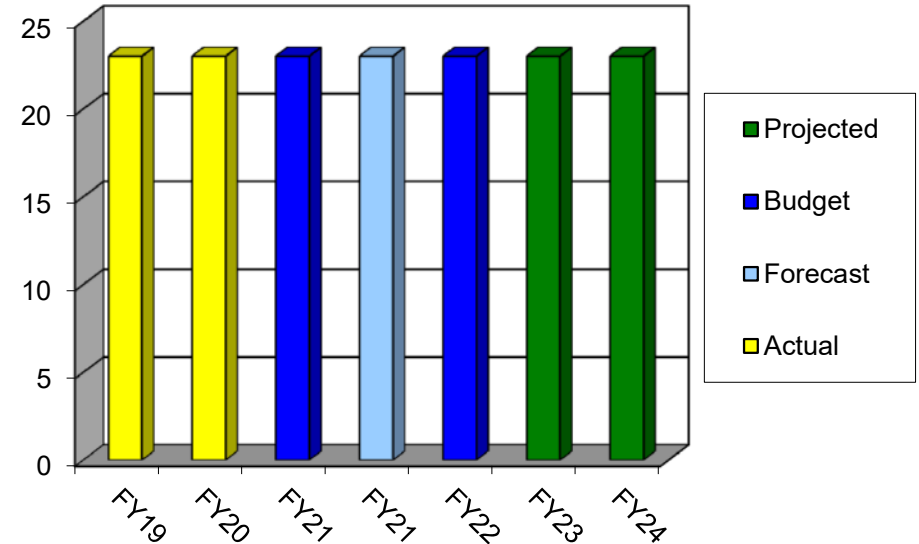
## Human Resources Department

### Expenses



The FY22 budget of \$9.8 million reflects an increase of approximately \$900 thousand relative to the FY21 budget and \$1.2 million relative to FY21 forecast. Most of the \$1.2 million increase from FY21 forecast relates to the Talent Development department in contractor services with \$475 thousand for Strategy 6 - Objective 6 of the SBOP year 1 milestone to assess security monitoring and issues in the field and at all facilities, and a \$65 thousand increase for on-going security guard and equipment expenses. In FY22 Benefit and Compensation has projected increase of \$419 thousand for Vacation Accrual which was restructured.

### Personnel



No changes are budgeted for FY22 remaining at 23 staff members. Staffing has remained the same from FY19 Actuals to projected FY24.



## Human Resources Department

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
Talent Development	\$ 1,403,967	\$ 1,416,858	\$ 1,736,861	\$ 1,620,197	\$ 2,844,644	\$ 2,485,607	\$ 2,546,627
Benefits & Compensation	4,576,866	4,864,165	5,206,173	5,176,728	5,720,975	6,031,982	6,357,724
Diversity Division	(24,140)	-	-	-	-	-	-
Insurance & Safety Division	1,345,953	1,316,816	1,912,812	1,744,220	1,202,426	1,235,335	1,270,594
<b>TOTAL EXPENSES</b>	<b>\$ 7,302,647</b>	<b>\$ 7,597,839</b>	<b>\$ 8,855,846</b>	<b>\$ 8,541,145</b>	<b>\$ 9,768,045</b>	<b>\$ 9,752,924</b>	<b>\$ 10,174,945</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Talent Development	10.67	9.00	8.00	8.00	8.00	8.00	8.00
Benefits & Compensation	4.67	6.00	6.00	6.00	7.00	7.00	7.00
Diversity Division	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Insurance & Safety Division	7.67	8.00	9.00	9.00	8.00	8.00	8.00
<b>TOTAL POSITIONS</b>	<b>23.00</b>	<b>23.00</b>	<b>23.00</b>	<b>23.00</b>	<b>23.00</b>	<b>23.00</b>	<b>23.00</b>

### PERFORMANCE MEASURES

	Actual	Actual	Goal	Actual	Goal		
Key Performance Measures	FY18	FY19	FY20	FY20	FY21	FY22	FY23
Increase Employee Utilization of Benefits Percentage	10%	10%	10%	0%	5%	5%	5%
Percentage change of Recordable Accidents and Incidences	17% *	-14%	-10%	-7%	-10%	-10%	-10%

For FY20 the Strategic Business and Operating Plan FY20-FY24, the above performance indicators related to Strategy 2, Manage The District's Cost and Revenues to Optimize Financial Impact, Objective 2: Identify and Implement Cost Savings Initiatives. Other years goals may be linked to other Strategy and Objectives.

Conduct Required Safety and Health Training for all Staff - 6 Courses	100%	100%	100%	70% ^	100%	100%	100%
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For FY20 the Strategic Business and Operating Plan FY20-FY24, the above performance indicators related to Strategy 5, Address Customer and Regulatory Needs through a Comprehensive Infrastructure Management Program, Objective 4: Enhance Reliability of Information Technology Infrastructure. Other years goals may be linked to other Strategy and Objectives.

\* Recordable accidents increased from 114 to 133 in FY18.

^ Lower due to COVID 19 Pandemic.

## Talent Development Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 983,357	\$ 963,648	\$ 1,006,086	\$ 963,264	\$ 1,053,452	\$ 1,079,974	\$ 1,112,799
52000 Supplies	19,554	15,908	16,500	17,800	6,867	13,127	13,389
53000 Usage	2,254	2,725	2,600	2,600	2,600	2,730	2,867
54000 Contractual Services	398,802	434,577	711,675	636,533	1,781,726	1,332,656	1,359,310
55000 Capital Outlay	-	-	-	-	-	57,120	58,262
<b>TOTAL EXPENSES</b>	<b>\$ 1,403,967</b>	<b>\$ 1,416,858</b>	<b>\$ 1,736,861</b>	<b>\$ 1,620,197</b>	<b>\$ 2,844,645</b>	<b>\$ 2,485,607</b>	<b>\$ 2,546,627</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	1.67	1.67	0.67	0.67	1.67	1.67	1.67
Professional	7.33	7.00	7.00	7.00	6.00	6.00	6.00
Technical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	1.67	0.33	0.33	0.33	0.33	0.33	0.33
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>10.67</b>	<b>9.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>

### DESCRIPTION OF SERVICES

Assess and identify organizational readiness to achieve the District's Strategic Business Plan. In partnership with all MSD departments, provide assistance and guidance to ensure accurate job descriptions; recruit diversified, highly-qualified candidates to fill vacancies in a timely manner; ensure internal job posting system considers qualified employees for promotional opportunities; ensure compensation practices are consistent with Civil Service regulations; perform as consultants, coaches, instructional designers, instructors and administrators of programs to achieve successful employee performance; provide professional development through the Educational Assistance Program; develop and/or administer technical and general training programs; ensure all District policies and Human Resource practices foster and support positive

## Benefits & Compensation Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 4,459,559	\$ 4,731,108	\$ 4,977,978	\$ 4,959,961	\$ 5,481,892	\$ 5,787,158	\$ 6,108,003
52000 Supplies	2,619	3,142	10,200	10,674	9,117	10,258	10,464
53000 Usage	-	-	-	-	-	-	-
54000 Contractual Services	114,687	129,915	217,995	206,093	229,967	234,566	239,257
55000 Capital Outlay	-	-	-	-	-	-	-
<b>TOTAL EXPENSES</b>	<b>\$ 4,576,865</b>	<b>\$ 4,864,165</b>	<b>\$ 5,206,173</b>	<b>\$ 5,176,728</b>	<b>\$ 5,720,976</b>	<b>\$ 6,031,982</b>	<b>\$ 6,357,724</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	0.67	1.67	1.67	1.67	1.67	1.67	1.67
Professional	2.33	4.00	4.00	4.00	5.00	5.00	5.00
Technical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	1.67	0.33	0.33	0.33	0.33	0.33	0.33
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>4.67</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>7.00</b>	<b>7.00</b>	<b>7.00</b>

### DESCRIPTION OF SERVICES

Administer and communicate employee benefits programs consistent with Plan documents; ensure proper fiscal management of all benefit programs; periodically assess financial risk of plan designs. Responsibilities include group medical, dental, life, AD&D, long-term disability, vacation, sick leave, compensatory time, benefit-related policies, and administration and employee communication for the Pension and Deferred Compensation plans. Ensure biweekly payrolls are processed in a timely and accurate manner.

## Insurance & Safety Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 737,866	\$ 779,557	\$ 919,725	\$ 731,402	\$ 816,840	\$ 840,090	\$ 867,227
52000 Supplies	13,087	10,514	75,733	74,065	40,867	43,424	44,293
53000 Usage	5,331	6,050	6,000	6,000	6,000	6,300	6,615
54000 Contractual Services	589,669	520,695	896,354	917,753	338,719	345,521	352,459
55000 Capital Outlay	-	-	15,000	15,000	-	-	-
<b>TOTAL EXPENSES</b>	<b>\$ 1,345,953</b>	<b>\$ 1,316,816</b>	<b>\$ 1,912,812</b>	<b>\$ 1,744,220</b>	<b>\$ 1,202,426</b>	<b>\$ 1,235,335</b>	<b>\$ 1,270,594</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	1.67	1.67	2.67	2.67	1.67	1.67	1.67
Professional	5.33	6.00	6.00	6.00	6.00	6.00	6.00
Technical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	0.67	0.33	0.33	0.33	0.33	0.33	0.33
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>7.67</b>	<b>8.00</b>	<b>9.00</b>	<b>9.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>

### DESCRIPTION OF SERVICES

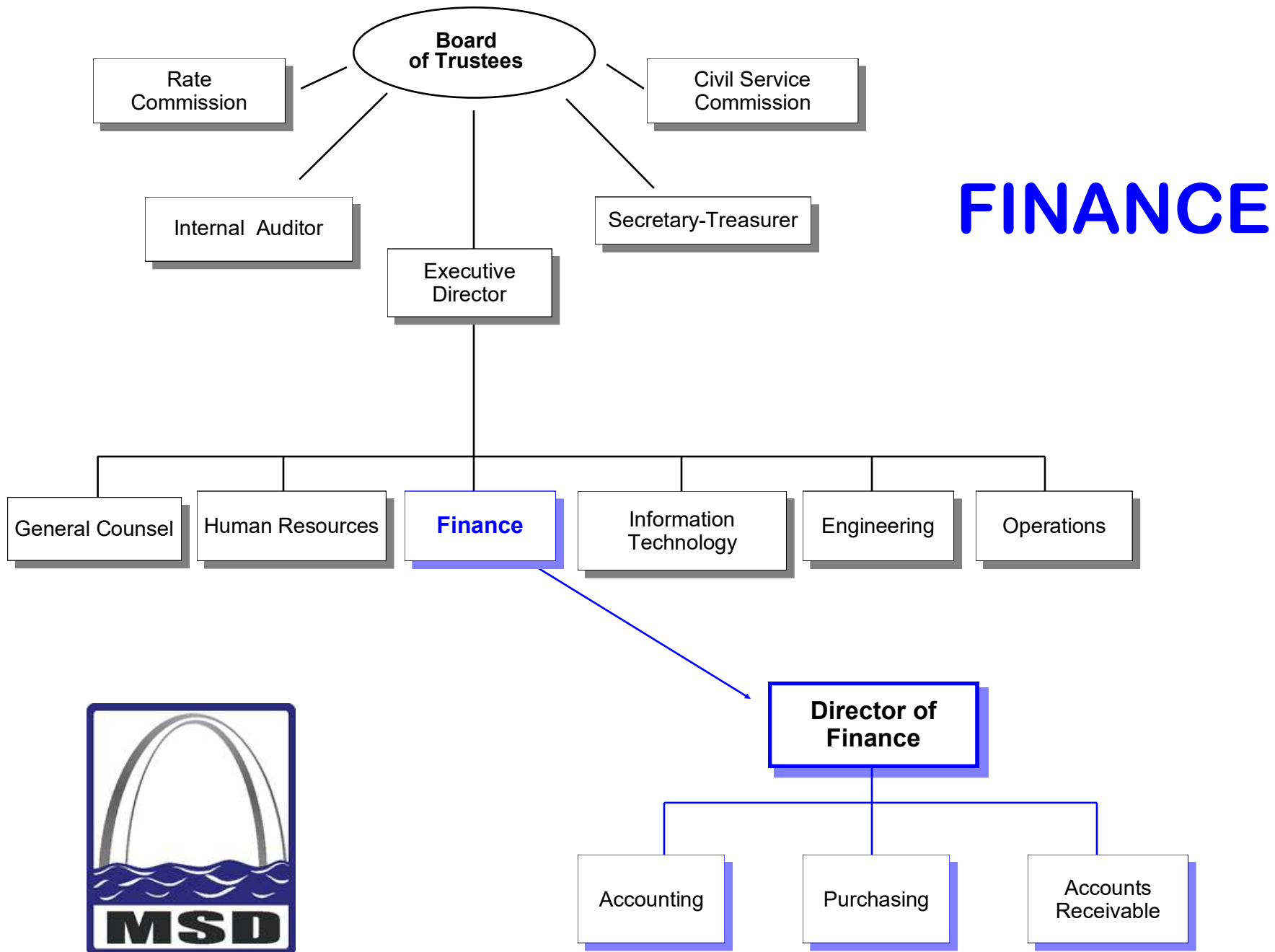
Develop and administer policies, procedures and programs designed to protect the District's assets by educating, motivating, and training personnel in positive safety practices and programs thus preventing losses from accidents, injuries, and lost time. Second, identify all types of loss exposures the District may encounter: safety, security, emergency response, business interruption, etc., and then define a strategy to manage each. Third, manage the District's Water Back Up Overcharged Line Program and Dispute Resolution Board for Water Backup Program. Manage all third party claim administrative functions. Lastly, continuously educate management on the cost of losses through thorough and timely reports.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T2500 - Human Resources Department**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
51010 Salaries & Wages	1,522,038	1,608,133	1,702,609	1,568,317	1,797,089	1,851,002	1,906,532
51020 Overtime	3,781	7,282	8,400	6,400	5,600	5,768	5,941
51030 Compensatory Pay Accrual	114,023	(71,092)	-	59,015	-	-	-
51040 Sick Leave Accrual	808,146	788,826	869,760	779,188	804,360	828,360	853,320
51050 Vacation Accrual	734,709	1,259,699	768,600	1,200,000	1,187,520	1,223,160	1,259,760
51080 Floating Holiday Accrual	65,033	94,782	-	100,000	-	-	-
51100 Emp Service & Incentive Awards	45,603	43,997	67,000	59,000	70,000	71,400	72,828
51120 Membership & Licensing Fees	8,800	8,487	9,254	9,254	9,760	9,955	10,154
51130 Education Assistance Program	105,940	111,037	173,000	173,000	175,000	178,500	182,070
51210 FICA Taxes	111,696	117,048	130,892	119,692	137,906	142,043	146,304
51220 Group Insurance	720,809	827,811	983,131	900,688	1,032,101	1,122,162	1,211,316
51230 Pension Contributions-Defined Benefit Plan	145,099	149,553	155,831	129,927	104,561	93,835	93,835
51231 Pension Contributions-Defined Contribution Plan	86,525	99,618	109,942	84,760	73,776	73,776	73,776
51233 DC Plan-Matching Contributions	-	-	-	21,372	29,510	29,510	29,510
51234 EAP	-	-	369	-	-	-	-
51240 Unemployment Insurance	11,652	10,119	25,000	25,000	25,000	25,750	26,522
51300 Other Post Employment Benefits	1,696,929	1,419,015	1,900,000	1,419,015	1,900,000	2,052,000	2,216,160
<b>Total Personnel Services</b>	<b>\$6,180,783</b>	<b>\$6,474,313</b>	<b>\$6,903,788</b>	<b>\$6,654,628</b>	<b>\$7,352,183</b>	<b>\$7,707,221</b>	<b>\$8,088,030</b>
52030 Machinery & Equipment Parts	149	(53)	-	-	-	-	-
52070 Hardware	54	8	-	-	-	-	-
52090 Electrical Supplies	739	41	-	-	-	-	-
52100 Instrument Supplies	16	23	500	500	-	-	-
52120 Laboratory Supplies	28	-	-	-	-	-	-
52170 Safety Supplies	5,324	2,010	63,600	63,600	24,000	24,480	24,970
52220 Janitorial Supplies	42	8	-	-	-	-	-
52240 Hand Tools	194	-	-	-	-	-	-
52300 Safety Footwear	1,890	2,988	2,400	2,200	2,250	2,295	2,341
52310 Telephone/Communic Equip/Suppl	699	1,252	1,200	1,400	-	-	-
52320 Office Supplies	7,904	6,839	10,000	10,600	10,000	10,200	10,404
52330 Computer Supplies	5,481	2,852	-	274	-	1,505	1,535
52340 Computer Equipment - Non-Capital	3,878	9,157	5,600	7,165	-	7,317	7,464
52360 Grounds Supplies	1,801	(159)	-	-	-	-	-
52370 Photo & Video Supplies	1,635	330	2,000	2,000	10,000	10,200	10,404

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T2500 - Human Resources Department**

	Actual FY19	Actual FY20	Budget FY21	Forecast FY21	Budget FY22	Projected FY23	Projected FY24
52380 Publications/Training Supplies	1,504	1,249	2,400	2,400	1,600	1,632	1,665
52390 Administrative Supplies	3,922	3,021	14,733	12,400	9,000	9,180	9,364
<b>Total Supplies</b>	<b>\$35,261</b>	<b>\$29,564</b>	<b>\$102,433</b>	<b>\$102,539</b>	<b>\$56,850</b>	<b>\$66,810</b>	<b>\$68,146</b>
53270 Telephone Usage	7,585	8,775	8,600	8,600	8,600	9,030	9,482
<b>Total Usage</b>	<b>\$7,585</b>	<b>\$8,775</b>	<b>\$8,600</b>	<b>\$8,600</b>	<b>\$8,600</b>	<b>\$9,030</b>	<b>\$9,482</b>
54010 Postage	-	20	100	100	100	102	104
54050 Office System Services	6,737	6,440	7,000	7,000	5,000	5,100	5,202
54060 Printing Services	1,043	254	7,800	7,800	6,600	6,732	6,867
54080 Advertising Services	35,868	12,536	45,000	45,000	30,000	30,600	31,212
54100 Travel Expenses	7,285	7,623	14,435	5,038	2,932	2,990	3,050
54140 Training Programs/Seminar Fees	97,687	40,933	162,109	158,360	150,300	153,306	156,372
54141 Required Training Programs	165,213	168,570	169,000	216,000	210,000	214,200	218,484
54160 Data Imaging Services	820	758	2,000	2,000	2,000	2,040	2,081
54180 Courier And Freight	399	148	480	480	1,680	1,714	1,748
54390 Hospital & Medical Services	120,705	123,084	178,000	203,000	203,000	207,060	211,201
54520 Professional Service	204,701	351,829	605,400	477,400	560,400	571,608	583,040
54530 Building Repairs & Services	432,509	363,467	625,000	625,000	1,165,200	703,800	717,876
54560 Motor Vehicle Services	1,204	1,178	2,700	2,700	2,700	2,781	2,864
54690 Safety Services	4,847	8,347	7,000	10,500	10,500	10,710	10,924
<b>Total Contractual Services</b>	<b>\$1,079,018</b>	<b>\$1,085,187</b>	<b>\$1,826,024</b>	<b>\$1,760,378</b>	<b>\$2,350,412</b>	<b>\$1,912,743</b>	<b>\$1,951,026</b>
55060 Motor Vehicles	-	-	15,000	15,000	-	51,000	52,020
55110 Computer Equipment	-	-	-	-	-	6,120	6,242
<b>Total Capital Outlay</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$ -</b>	<b>\$57,120</b>	<b>\$58,262</b>
<b>Total General Fund Operating Expense</b>	<b>\$7,302,647</b>	<b>\$7,597,839</b>	<b>\$8,855,846</b>	<b>\$8,541,145</b>	<b>\$9,768,045</b>	<b>\$9,752,924</b>	<b>\$10,174,945</b>



# Finance

## Mission

*Manage the District's costs and revenues to improve financial performance.*

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### Fiscal Year 2020 Accomplishments

1. Received the Government Finance Officers' Association (GFOA) award for Distinguished Budget Presentation for the 33<sup>rd</sup> consecutive year. [Strategy 2, Objective 2](#)
2. Received the GFOA award for Excellence in Financial Reporting for the 32<sup>nd</sup> consecutive year. [Strategy 2, Objective 2](#)
3. Received the GFOA award for Popular Annual Financial Reporting (PAFR). [Strategy 2, Objective 2](#)
4. Completed the FY19 Financial Close on time, with no audit findings and no audit adjustments noted by the District's External Auditors. [Strategy 2, Objective 2](#)
5. Continued work to review, identified gaps and corrected asset attributes post Oracle go-live compared to GIS and Maximo. [Strategy 3, Objective 4](#)
6. Increased customer assistance program enrollment by 14% from 3,901 at the end of FY19 to 4,456 at the end of FY20. [Strategy 2, Objective 1](#)
7. Maintained an average of 99% District competitive spend rate. [Strategy 2, Objective 2](#)
8. Managed 311 blanket contracts with 6,016 lines. [Strategy 2, Objective 2](#)
9. Approximately 34,450 invoices were processed in FY20 totaling \$237.1 million. [Strategy 2, Objective 1](#)
10. The MSD Board of Trustees accepted the Rate Commission's recommendations in October 2019. [Strategy 2, Objective 3](#)

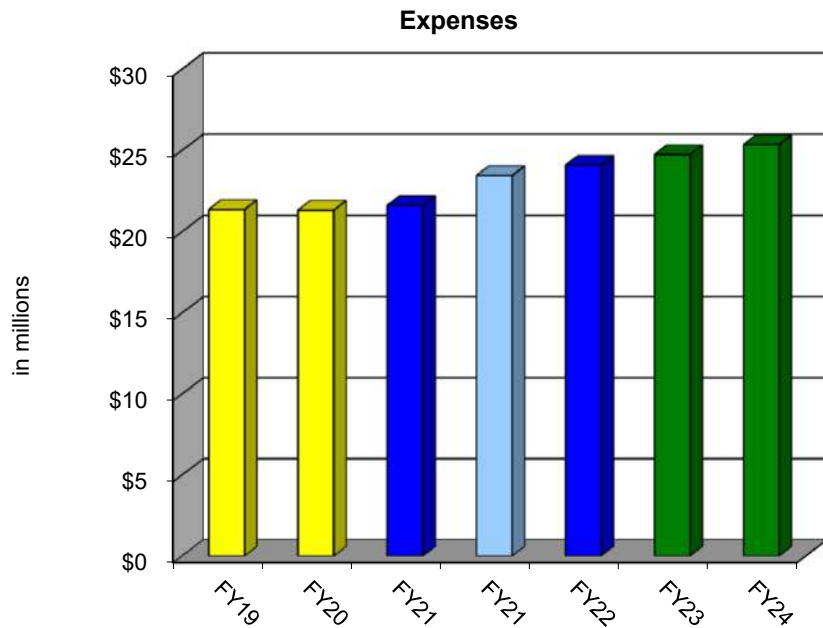




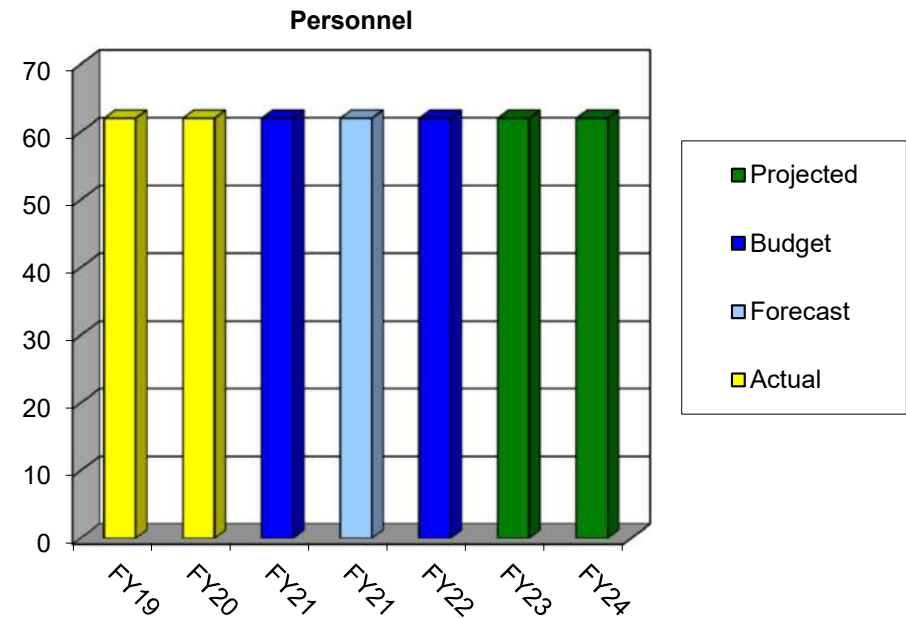
Department FY22 Strategic Business Plan														
District			FY22											
Strategies	Objectives	Milestones	Q1			Q2			Q3			Q4		
1	Inform, educate and partner to build stakeholder understanding.													
	1.	Execute Community Outreach Programs												
		a) Complete stormwater listening sessions.												
	3.	Execute Diversity and Outreach Programs												
		a) Continue implementation of Disparity Study results and recommendations based on findings, and update diversity programs as necessary.												
2	Manage the District's costs and revenues to optimize financial impacts.													
	1.	Increase Collection of Delinquent Revenue												
		a) Implement a pilot water shut-off program for commercial customers and assess effectiveness.												
		b) Evaluate alternatives for acquiring water data for commercial customers.												
	2.	Identify and Implement Cost Savings Initiatives												
		a) Evaluate integrated payables process results (i.e., e-payments).												
		c) Continue to evaluate processes that could potentially be automated.												
	3.	Maximize Long-Term Financing Plans for District Needs												
		a) Implement remaining Board approved rates resulting from the Wastewater Rate Commission Proposal.												
		b) Complete Inflow and Infiltration (I/I) Allocation Study.												
		c) Complete City Water Attribute Assumption Study.												
3	Integrate and improve the District's business processes.													
	1.	Implement Information Governance Program That Meets the District's Records & Information Discovery, Compliance and Information Security Policies.												
	2.	Integrate Asset Information Across Systems (Oracle, Maximo and GIS)												
		a) Assess impact of business process changes resulting from automation of asset capitalization manual processes (milestone from FY21 SBOP) and determine plan to address financial impact (if any).												
		b) Design and implement automated interfaces for syncing Oracle and Maximo non-linear fixed assets inventory.												
		c) Define requirements and strategy for capitalization of non-linear fixed assets - Treatment Plants, Pump Stations..												
		d) Perform cost benefit analysis of reconciling (pre-Oracle) 'bundled' collections system assets between GIS and Oracle.												
	3.	Oracle EBS Upgrade												
		a) Develop implementation plan and identify implementation partner(s).												
		b) Implementation of HRMS, Finance, Treasury, Capital Projects and Purchasing.												
		c) User Acceptance and Go Live.												
	4.	Mobile Technology Strategy												
		a) Continue to develop District mobile technology strategy to standardize mobile hardware and software including Mobile Device Management (MDM) for secure usage of MSD applications on Bring Your Own Device (BYOD) and shared remote network access devices.												
		b) Implement provision mobile technology standards and required IT infrastructure and processes.												
5	Address customer and regulatory needs through a comprehensive infrastructure management program.													
	1.	Implement Stormwater Operating and Capital Improvement Program												
		a) Implement FY 2022 stormwater CIRP program based on funds generated from reinstated OMCI taxes to address flooding and erosion. Consider potential for additional OMCI tax reinstatement.												
		b) Administer OMCI Municipal Grant Program with funding from reinstated OMCI taxes to address the needs of the municipalities served by the OMCI's.												
	2.	Implement Wastewater Operating and Capital Improvement Program												
	3.	Implement Asset Management Program												
		a) Purchase and implement software tools necessary to support asset management plan that incorporates the monetized ratings process for the District's linear assets.												
6	Create a learning and business-oriented culture based on competency and accountability.													
	1.	Increase Organizational Performance through Improved Communication												

Department FY22 Strategic Business Plan														
District	Objectives	Milestones	FY22											
Strategies			Q1			Q2			Q3			Q4		
		a) Work with departments to identify mandatory compliance training to be administered during the first 90 days of employment.												
	3.	<b>Increase Individual Accountability and Job Satisfaction Through Continual Performance Coaching and Training</b>												
	4.	<b>Restructure a recruitment strategy that promotes and retains a talented and diversified workforce</b>												
		a) Conduct department specific focus groups to discuss their experiences, gather input related to current processes, and identify areas for improvement.												
		a) Re-evaluate and assess the process of recruiting and hiring to secure the right people with the right skill sets needed for the organization's business.												
	5.	<b>"Show Me MSD" - Business Partnership to meet the needs of the communities that support them</b>												
	6.	<b>Implement safety and security training to support training to support a safe work environment</b>												
		b) Identify gaps in security, safety and incident response and reporting.												

## Finance Department



The Finance FY22 Budget of \$24.1 million results in an increase of \$2.5 million compared to FY21 budget and \$641 thousand from FY21 forecast. The majority of the increase in budget is in the Accounts Receivable Division in the amount of \$2.7 million primarily for Collection and Payment Services offset by a decrease in the Purchasing Division of \$550 thousand for Capital Outlay for a new elevator at the headquarters office purchased in FY21 not repeated in FY22. Comparison for the FY21 forecast follows the same pattern.



The Finance department staffing remains consistent for the years FY19 to FY24.

## Finance Department

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
Accounting Division	\$ 1,658,832	\$ 1,744,755	\$ 1,759,001	\$ 1,635,454	\$ 1,788,193	\$ 1,836,906	\$ 1,896,054
Purchasing Division	2,590,150	1,876,388	2,524,120	2,552,962	2,078,565	2,081,525	2,129,078
Accounts Receivable Division	17,118,277	17,706,420	17,336,009	19,264,704	20,227,620	20,824,036	21,332,349
<b>TOTAL EXPENSES</b>	<b>\$ 21,367,259</b>	<b>\$ 21,327,563</b>	<b>\$ 21,619,130</b>	<b>\$ 23,453,120</b>	<b>\$ 24,094,378</b>	<b>\$ 24,742,467</b>	<b>\$ 25,357,481</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Accounting Division	19.00	19.00	19.00	19.00	19.00	19.00	19.00
Purchasing Division	9.00	9.00	9.00	9.00	9.00	9.00	9.00
Accounts Receivable Division	34.00	34.00	34.00	34.00	34.00	34.00	34.00
<b>TOTAL POSITIONS</b>	<b>62.00</b>	<b>62.00</b>	<b>62.00</b>	<b>62.00</b>	<b>62.00</b>	<b>62.00</b>	<b>62.00</b>

### PERFORMANCE MEASURES

	Actual	Actual	Goal	Actual	Goal		
Key Performance Measures	FY18	FY19	FY20	FY20	FY21	FY22	FY23
Non-capital Competitive Purchasing	99%	99%	>95%	99%	>95%	>95%	>95%
Overall Quality of Service by A/R based on Customer Surveys	92%	93%	>= 90%	93%	>= 90%	>= 90%	>= 90%
Average Collection Period *	57 days	57 days	<45 days	56 days	<45 days	<45 days	<45 days

For FY20 the Strategic Business and Operating Plan FY20-FY24, the above performance indicators related to Strategy 2, Manage The District's Cost and Revenues to Optimize Financial Impact, Objective 1: Increase Collection of Delinquent Revenue and Objective 2: Identify and Implement Cost Savings Initiatives. Other years goals may be linked to other Strategy and Objectives.

\*The District's Average Collection Period continues to remain relatively flat over the last three (3) years.

It will continue to be difficult to meet the 45 day industry standard goal without the use of shut-off of water by water providers.

## Accounting Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 1,460,540	\$ 1,577,586	\$ 1,649,163	\$ 1,535,288	\$ 1,690,634	\$ 1,734,611	\$ 1,791,713
52000 Supplies	10,681	9,355	9,514	6,713	9,213	11,011	11,231
53000 Usage	-	-	-	-	-	-	-
54000 Contractual Services	187,611	157,814	100,324	93,453	88,213	91,148	92,971
55000 Capital Outlay	-	-	-	-	133	136	139
<b>TOTAL EXPENSES</b>	<b>\$ 1,658,832</b>	<b>\$ 1,744,755</b>	<b>\$ 1,759,001</b>	<b>\$ 1,635,454</b>	<b>\$ 1,788,193</b>	<b>\$ 1,836,906</b>	<b>\$ 1,896,054</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	2.67	2.67	1.67	1.67	1.67	1.67	1.67
Professional	10.00	10.00	11.00	11.00	11.00	11.00	11.00
Technical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	6.33	6.33	6.33	6.33	6.33	6.33	6.33
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>

### DESCRIPTION OF SERVICES

The Accounting function ensures that District payments and receipts are properly authorized, recorded and reported in accordance with District policy and generally accepted accounting principles. Accounting is responsible for the integrity of the District's Financial data and reporting, both internal and external, to ensure financial statements are accurately reported and timely prepared. In addition, Accounting provides periodic financial reports reflecting the District's current financial position. The Analytics Team annually prepares the District's Operating Budget, Debt Service and Capital Improvement and Replacement Program; participates in the Rate Design process with the District Rate Commission and prepares various analyses and reports.

## Purchasing Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 822,655	\$ 849,966	\$ 859,387	\$ 860,229	\$ 919,251	\$ 930,872	\$ 958,758
52000 Supplies	61,154	46,159	52,649	56,417	52,413	54,423	55,512
53000 Usage	180,169	176,274	192,474	187,241	201,100	201,591	202,119
54000 Contractual Services	1,526,172	798,989	869,610	899,075	905,668	894,503	912,550
55000 Capital Outlay	-	5,000	550,000	550,000	133	136	139
<b>TOTAL EXPENSES</b>	<b>\$ 2,590,150</b>	<b>\$ 1,876,388</b>	<b>\$ 2,524,120</b>	<b>\$ 2,552,962</b>	<b>\$ 2,078,565</b>	<b>\$ 2,081,525</b>	<b>\$ 2,129,078</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	1.67	1.67	1.67	1.67	1.67	1.67	1.67
Professional	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Technical	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Administrative Support	1.33	1.33	1.33	1.33	1.33	1.33	1.33
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>9.00</b>	<b>9.00</b>	<b>9.00</b>	<b>9.00</b>	<b>9.00</b>	<b>9.00</b>	<b>9.00</b>

### DESCRIPTION OF SERVICES

The Purchasing Division is responsible for contracting all of the supplies, materials, equipment, construction repairs, professional services and capital improvement construction projects required by the District. Through competitive bidding procedures, this division ensures a properly authorized supply of goods and services at the best cost. The Division is responsible for the timely disposal of property and equipment that has been declared as surplus by the District. The Central Services element of the Purchasing Division is responsible for mail distribution throughout the District and the management of the headquarters building.

## Accounts Receivable Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 2,219,389	\$ 2,201,718	\$ 2,222,762	\$ 2,280,959	\$ 2,423,655	\$ 2,473,033	\$ 2,555,825
52000 Supplies	13,589	9,674	18,424	9,864	5,313	5,419	5,528
53000 Usage	-	52	-	-	-	-	-
54000 Contractual Services	14,885,299	15,494,976	15,094,823	16,973,881	17,798,519	18,345,448	18,770,857
55000 Capital Outlay	-	-	-	-	133	136	139
<b>TOTAL EXPENSES</b>	<b>\$ 17,118,277</b>	<b>\$ 17,706,420</b>	<b>\$ 17,336,009</b>	<b>\$ 19,264,704</b>	<b>\$ 20,227,620</b>	<b>\$ 20,824,036</b>	<b>\$ 21,332,349</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	3.67	3.67	3.67	3.67	3.67	3.67	3.67
Professional	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Technical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	29.33	28.33	28.33	28.33	28.33	28.33	28.33
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>34.00</b>	<b>34.00</b>	<b>34.00</b>	<b>34.00</b>	<b>34.00</b>	<b>34.00</b>	<b>34.00</b>

### DESCRIPTION OF SERVICES

This division maintains an account receivable record for each of the District's 426,000 customers. The user charge billing ensures a predictable flow of cash necessary to operate, maintain and replace the wastewater and stormwater facilities. This division also provides pleasant and efficient assistance to the District's customers with regard to monthly user charge billings. This division collects all payments and enforces the user charge ordinance as it pertains to non-payment of user charges. This is accomplished through three remedies: use of outside collection agencies; suit and/or lien against the property served; and by termination of service, when possible.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T4000 - Finance Department**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
51010 Salaries & Wages	3,178,250	3,179,239	3,423,270	3,200,098	3,508,773	3,601,990	3,710,050
51020 Overtime	41,239	58,456	48,167	48,467	51,200	52,736	54,318
51030 Compensatory Pay Accrual	2,486	-	-	-	-	-	-
51120 Membership & Licensing Fees	6,323	9,416	8,689	9,388	9,153	9,336	9,522
51210 FICA Taxes	232,179	231,999	265,565	231,241	272,338	279,587	287,974
51220 Group Insurance	395,008	453,396	564,985	476,432	574,858	619,455	667,634
51230 Pension Contributions-Defined Benefit Plan	479,606	461,244	296,113	449,991	413,229	370,838	370,838
51231 Pension Contributions-Defined Contribution Plan	135,629	156,888	94,749	140,960	113,674	113,131	113,131
51233 DC Plan-Matching Contributions	-	-	-	33,767	45,470	45,252	45,252
51234 EAP	-	-	930	-	-	-	-
51510 Temporary Help	31,864	78,633	28,845	86,133	44,845	46,190	47,576
<b>Total Personnel Services</b>	<b>\$4,502,583</b>	<b>\$4,629,271</b>	<b>\$4,731,313</b>	<b>\$4,676,476</b>	<b>\$5,033,539</b>	<b>\$5,138,515</b>	<b>\$5,306,296</b>
52010 Fuels,Lubricants,Gases	-	654	1,500	1,500	700	714	728
52090 Electrical Supplies	1,072	797	836	836	500	510	520
52110 Chemical Supplies	-	513	-	-	-	-	-
52170 Safety Supplies	-	231	-	-	-	-	-
52220 Janitorial Supplies	28,820	28,084	30,000	40,000	35,000	35,700	36,414
52300 Safety Footwear	1,320	1,174	-	-	400	-	-
52310 Telephone/Communic Equip/Suppl	-	-	-	181	-	-	-
52320 Office Supplies	37,523	20,030	30,751	18,340	20,240	20,645	21,058
52330 Computer Supplies	3,086	146	2,000	2,138	500	1,471	1,500
52340 Computer Equipment - Non-Capital	1,479	2,572	-	-	-	2,023	2,063
52380 Publications/Training Supplies	3,456	4,413	4,900	4,900	5,000	5,100	5,202
52390 Administrative Supplies	8,189	6,575	10,600	5,100	4,600	4,692	4,786
52400 Furniture & Office Equipment - Non-Capital	478	-	-	-	-	-	-
<b>Total Supplies</b>	<b>\$85,424</b>	<b>\$65,188</b>	<b>\$80,587</b>	<b>\$72,995</b>	<b>\$66,940</b>	<b>\$70,854</b>	<b>\$72,271</b>
53060 Electric Usage	171,709	168,923	183,974	178,741	193,600	193,596	193,596
53080 Water Usage	5,859	5,595	6,000	6,000	6,000	6,420	6,869
53270 Telephone Usage	2,602	1,807	2,500	2,500	1,500	1,575	1,654
<b>Total Usage</b>	<b>\$180,169</b>	<b>\$176,326</b>	<b>\$192,474</b>	<b>\$187,241</b>	<b>\$201,100</b>	<b>\$201,591</b>	<b>\$202,119</b>
54010 Postage	1,926,428	1,982,935	2,051,100	2,288,220	2,075,100	2,249,390	2,294,378

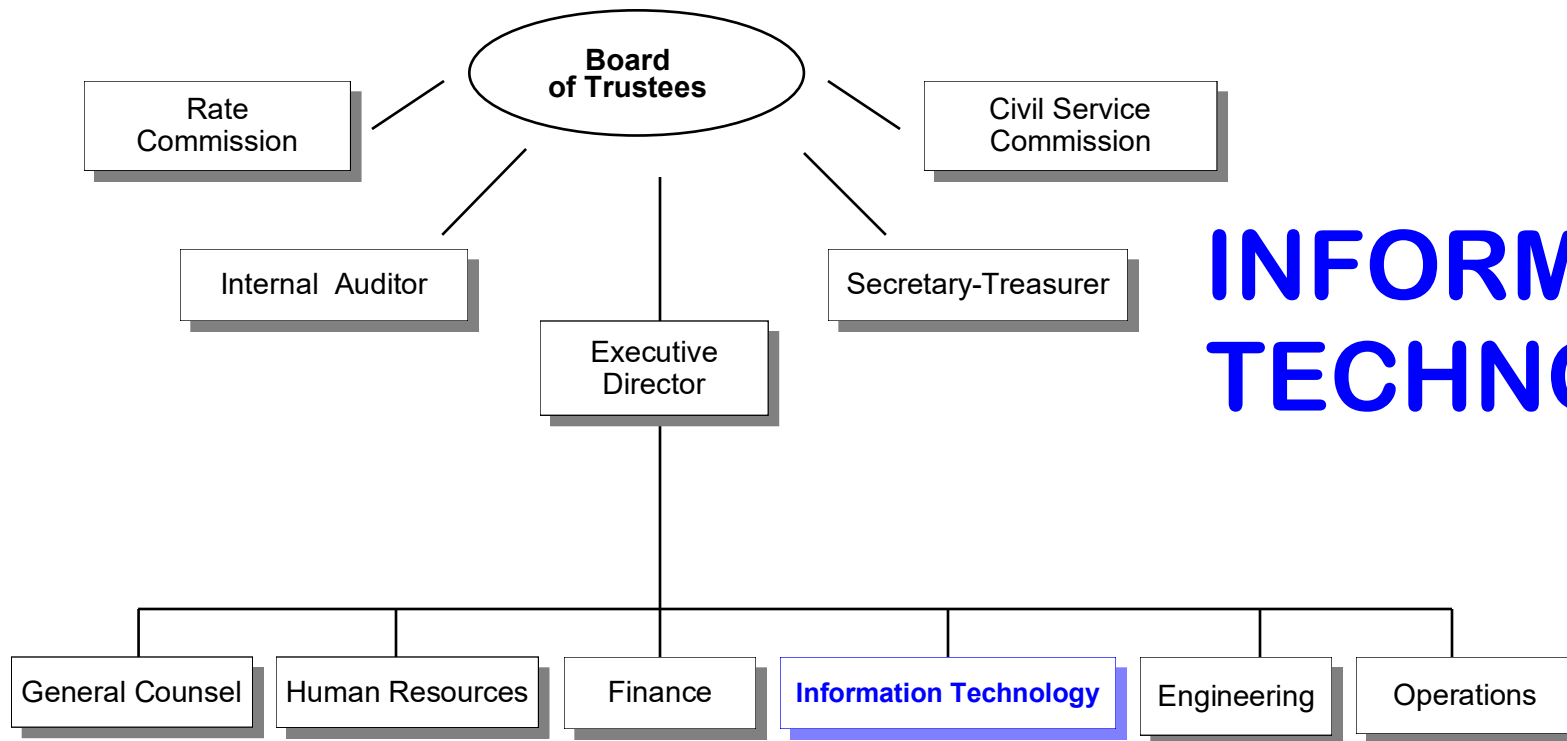


**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T4000 - Finance Department**

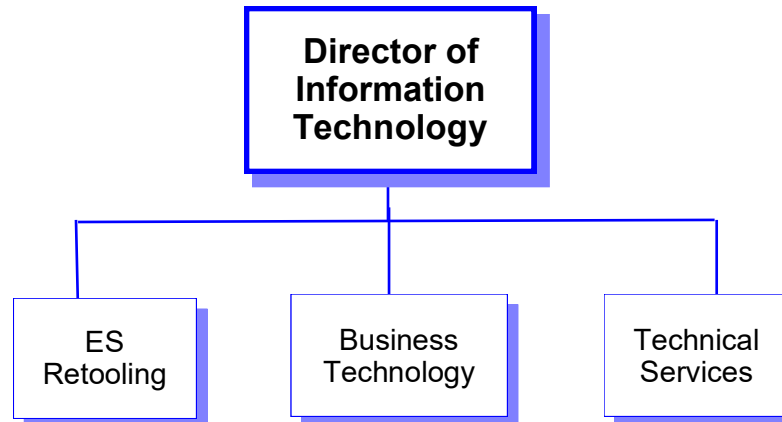
	Actual FY19	Actual FY20	Budget FY21	Forecast FY21	Budget FY22	Projected FY23	Projected FY24
54050 Office System Services	750	-	-	-	-	-	-
54060 Printing Services	536,302	517,967	534,735	584,735	673,866	656,743	669,878
54080 Advertising Services	183,224	121,819	140,000	140,000	123,000	125,460	127,969
54100 Travel Expenses	13,733	6,195	23,181	13,491	19,928	23,484	23,954
54140 Training Programs/Seminar Fees	8,318	6,077	18,325	14,070	19,165	19,905	20,303
54160 Data Imaging Services	29,252	19,253	-	-	-	-	-
54180 Courier And Freight	832	441	2,100	1,100	1,150	1,173	1,196
54190 Property & Other Space Rental	25,000	30,000	30,000	-	30,000	30,600	31,212
54350 Bill Payment Services	1,794,182	1,951,825	1,844,182	1,844,182	2,342,190	2,389,034	2,436,814
54420 Court Costs & Lien Fees	90,165	149,148	250,000	250,000	250,000	255,000	260,100
54450 Collection Services	5,283,798	5,681,200	4,932,000	6,500,000	6,900,000	7,045,000	7,192,900
54470 Water Agency Data Services	502,391	514,888	606,756	606,756	610,000	622,200	634,644
54520 Professional Service	5,261,926	5,161,004	5,281,325	5,282,526	5,325,000	5,481,500	5,642,630
54530 Building Repairs & Services	255,577	97,819	107,400	107,536	107,000	109,140	111,323
54540 Janitorial Services	134,327	152,672	140,000	230,000	230,000	234,600	239,292
54550 Grounds Services	47,168	25,132	30,644	30,644	15,000	15,300	15,606
54560 Motor Vehicle Services	416	352	-	139	-	-	-
54570 Machinery & Equipment Services	3,297	5,392	3,000	3,000	3,000	3,060	3,121
54600 Electrical Repair Services	-	1,081	5,000	5,000	5,000	5,250	5,513
54620 Plumbing Services	4,161	4,283	10,000	10,000	13,000	13,260	13,525
54630 HVAC Services	32,783	15,720	41,522	41,522	40,000	40,800	41,616
54640 Damage Repairs & Services	458,480	-	-	-	-	-	-
54650 Waste Hauling	4,145	4,251	4,080	4,080	4,000	4,080	4,162
54670 Other Governmental Fees	-	50	-	-	-	-	-
54690 Safety Services	2,426	2,274	9,408	9,408	6,000	6,120	6,242
<b>Total Contractual Services</b>	<b>\$16,599,082</b>	<b>\$16,451,778</b>	<b>\$16,064,757</b>	<b>\$17,966,408</b>	<b>\$18,792,399</b>	<b>\$19,331,099</b>	<b>\$19,776,379</b>
55030 Structural Improvements	-	5,000	550,000	550,000	-	-	-
55090 Furniture & Office Equipment	-	-	-	-	400	408	416
<b>Total Capital Outlay</b>	<b>\$ -</b>	<b>\$5,000</b>	<b>\$550,000</b>	<b>\$550,000</b>	<b>\$400</b>	<b>\$408</b>	<b>\$416</b>
<b>Total General Fund Operating Expense</b>	<b>\$21,367,259</b>	<b>\$21,327,563</b>	<b>\$21,619,131</b>	<b>\$23,453,120</b>	<b>\$24,094,378</b>	<b>\$24,742,467</b>	<b>\$25,357,481</b>



**FY22 BUDGET**



# INFORMATION TECHNOLOGY



# Information Technology

## Mission

*Provide a reliable and secure technology foundation to support responsible wastewater and stormwater management.*

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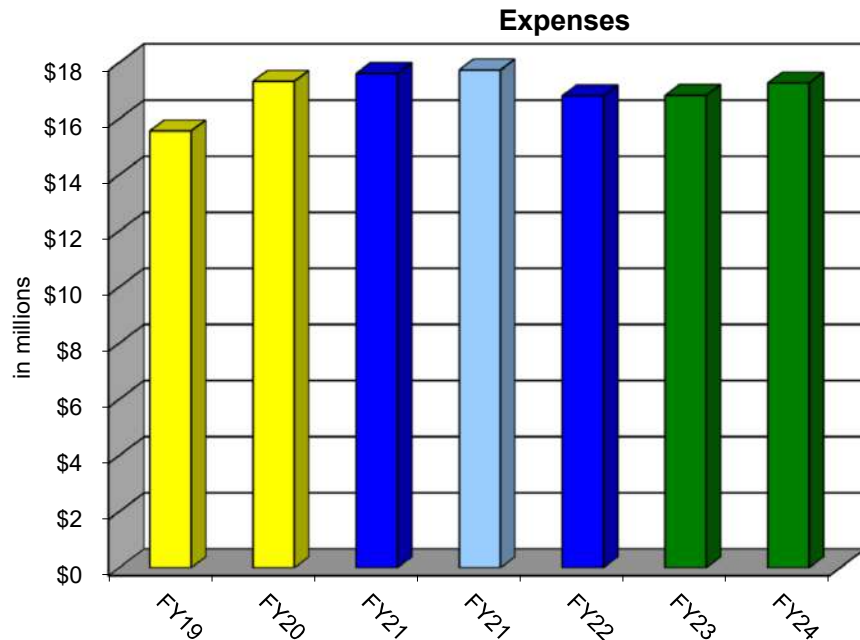
### Fiscal Year 2020 Accomplishments

1. Implemented Office 365 which moved our email and office systems to the Cloud. More importantly, Office 365 brought a suite of new collaboration tools to enable the District to be more productive. Most importantly, in the COVID environment, Office 365 included the TEAMS application to allow conferencing, document sharing and communications tools to keep our workforce productive. [\(Strategy 3\)](#)
2. The IT Department has made great strides in Disaster Recovery and infrastructure resiliency which is a Strategic Business Objective for the District. In the past year, the District upgraded its internet circuit from 100 MB to 250 MB and added a redundant failover circuit. The District has also secured an IT disaster recovery site for its physical computer systems. When buildout is complete, it will allow for a quick recovery of all critical applications in the case of a disaster or ransomware attack. [\(Strategy 5, Objective 4\)](#)
3. This past year, IT implemented a new Service Management System (Easy Vista) that allows for the reporting and tracking of all IT issues and tracks all IT infrastructure and maintenance work as well. The system includes a web portal on the intranet for easy reporting or requests of equipment. This was also a planned Strategic Business Objective. [\(Strategy 5, Objective 4\)](#)
4. IT has been working diligently on security improvements. In the past year, IT has hired 2 full-time IT specialists in security and created a dedicated IT Security Operations Center at Market Street. IT has added multi-factor authentication (MFA) to all external logins, put in place new firewalls and improved security and password related policies. More improvements are planned for the coming year. [\(Strategy 5, Objective 4\)](#)
5. IT has also upgraded and moved our Hyperion Budgeting software to the Cloud. The upgrade improved functionality, reporting and integration with our Oracle Business system. [\(Strategy 3\)](#)

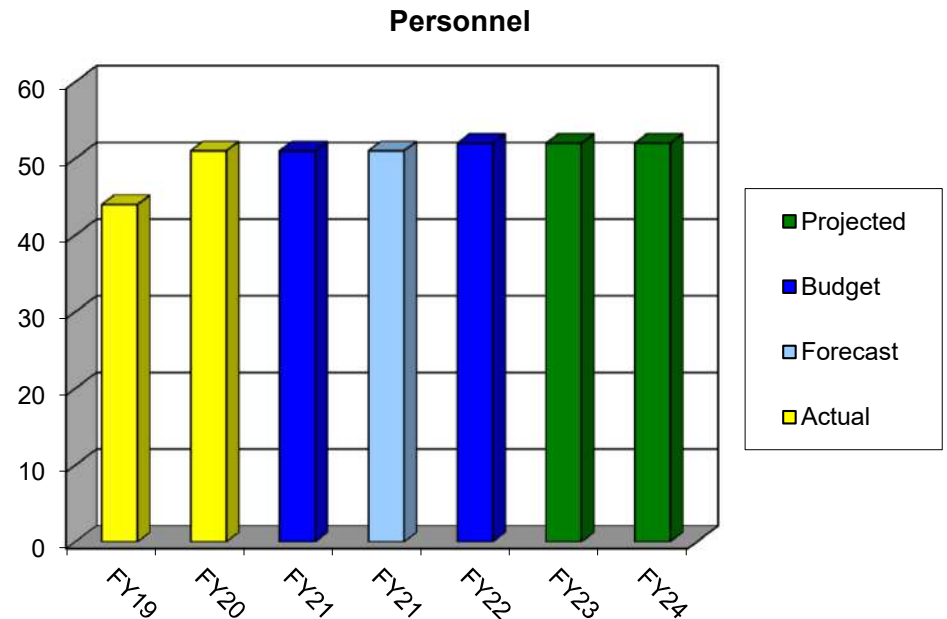
Department FY22 Strategic Business Plan														
District			FY22											
Strategies	Objectives	Milestones	Q1			Q2			Q3			Q4		
2	Manage the District's costs and revenues to optimize financial impacts.													
	2.	Identify and Implement Cost Savings Initiatives												
		c) Continue to evaluate processes that could potentially be automated.												
	3.	Maximize Long-Term Financing Plans for District Needs												
3	Integrate and improve the District's business processes.													
	1.	Implement Information Governance Program That Meets the District's Records & Information Discovery, Compliance and Information Security Policies.												
		a) Complete inaugural Information Governance audit.												
		b) Complete digitizing of MSD employee personnel records.												
		c) Conduct a District-wide Data Risk Assessment for physical records and data stored in IT Systems.												
	2.	Integrate Asset Information Across Systems (Oracle, Maximo and GIS)												
		b) Design and implement automated interfaces for syncing Oracle and Maximo non-linear fixed assets inventory.												
		c) Define requirements and strategy for capitalization of non-linear fixed assets - Treatment Plants, Pump Stations..												
	3.	Oracle EBS Upgrade												
		a) Develop implementation plan and identify implementation partner(s).												
		b) Implementation of HRMS, Finance, Treasury, Capital Projects and Purchasing.												
		c) User Acceptance and Go Live.												
	4.	Mobile Technology Strategy												
		a) Continue to develop District mobile technology strategy to standardize mobile hardware and software including Mobile Device Management (MDM) for secure usage of MSD applications on Bring Your Own Device (BYOD) and shared remote network access devices.												
		b) Implement provision mobile technology standards and required IT infrastructure and processes.												
5	Address customer and regulatory needs through a comprehensive infrastructure management program.													
	2.	Implement Wastewater Operating and Capital Improvement Program												
		a) Procure and implement modeling software upgrades to take advantage of new technology that will increase engineering efficiencies in flow metering, modeling, and capacity assurance analysis.												
	3.	Implement Asset Management Program												
		a) Purchase and implement software tools necessary to support asset management plan that incorporates the monetized ratings process for the District's linear assets.												
	4.	Enhance Reliability of Information Technology Infrastructure												
		a) Continue the development and implementation of the IT Disaster Recovery Strategy which includes Critical Tier 1 business systems and associated infrastructure that support the District's critical operations (Maximo, EBS, GIS).												
		b) Complete the development of the Technology Security Risk Program through the introduction of additional governance processes, policies and an employee security awareness program to further protect MSD hardware/software/information assets.												
		c) Continue to develop a Master Data Management (MDM) Program Strategy and associated technical infrastructure to centralize, manage and govern enterprise data (Customer, Address Parcel Owner, lateral and horizontal assets).												
	5.	Implement technologies and data driven solutions to reduce capital costs and increase utility performance												
		b) Design SCADA system upgrade.												
6	Create a learning and business-oriented culture based on competency and accountability.													
	1.	Increase Organizational Performance through Improved Communication												
		a) Work with departments to identify mandatory compliance training to be administered during the first 90 days of employment.												
	3.	Increase Individual Accountability and Job Satisfaction Through Continual Performance Coaching and Training												
	4.	Restructure a recruitment strategy that promotes and retains a talented and diversified workforce												

Department FY22 Strategic Business Plan														
District Strategies	Objectives	Milestones	FY22											
			Q1			Q2			Q3			Q4		
		a) Conduct department specific focus groups to discuss their experiences, gather input related to current processes, and identify areas for improvement.												
		a) Re-evaluate and assess the process of recruiting and hiring to secure the right people with the right skill sets needed for the organization's business.												
	5.	<b>"Show Me MSD" - Business Partnership to meet the needs of the communities that support them</b>												
		a) Develop a school and business collaboration plan for a mentorship program focused on diverse students who have an interest in STEM careers.												
	6.	<b>Implement safety and security training to support training to support a safe work environment</b>												
		b) Identify gaps in security, safety and incident response and reporting.												

## Information Technology Department



The FY22 budget of \$16.8 million represents a decrease of \$797 thousand from the FY21 Forecast. The majority of the decrease relates to \$2.0 million in Temporary Labor offset by an increase in Regular Salaries including FICA of \$1.2 million. Another \$690 thousand decrease in the ES Retolling Division Professional Service related to large IT projects in FY21 offset by increases in the other Divisions of \$344 thousand resulting in net change of \$346 thousand. Additionally, there is a projected increase relative to forecast in Office System Services of \$377 thousand in FY22.



FY20 includes the addition of 6 full-time equivalent position allowing the District to convert 5 long-term contract employees to District employees and add an Administrative Support Manager to improve internal customer service. The increase of one FTE for project work and staffing in FY22 was maintain throughout FY24.

## Information Technology Department

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
ES Retooling Division	\$ 1,554,838	\$ 1,560,686	\$ 2,502,260	\$ 3,089,212	\$ 1,902,084	\$ 1,910,267	\$ 1,967,673
Business Technology Division	7,673,506	8,815,490	8,275,209	7,977,377	8,489,817	8,411,311	8,632,867
Technical Services Division	6,337,949	6,957,015	6,834,031	6,671,866	6,422,917	6,506,515	6,668,956
<b>TOTAL EXPENSES</b>	<b>\$ 15,566,293</b>	<b>\$ 17,333,191</b>	<b>\$ 17,611,500</b>	<b>\$ 17,738,455</b>	<b>\$ 16,814,818</b>	<b>\$ 16,828,093</b>	<b>\$ 17,269,496</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
E S Retooling	1.00	2.67	2.67	2.67	5.33	5.33	5.33
Business Technology Division	32.00	30.67	30.67	30.67	32.33	32.33	32.33
Technical Services Division	11.00	17.67	17.67	17.67	14.33	14.33	14.33
<b>TOTAL POSITIONS</b>	<b>44.00</b>	<b>51.00</b>	<b>51.00</b>	<b>51.00</b>	<b>52.00</b>	<b>52.00</b>	<b>52.00</b>

## PERFORMANCE MEASURES

	Actual	Actual	Goal	Actual	Goal		
Key Performance Measures	FY18	FY19	FY20	FY20	FY21	FY22	FY23
Overall Quality of Service by Help Desk	97%	97%	100%	*	100%	100%	100%
Business Systems Availability	N/A	N/A	98%	99%	98%	98%	98%
Core IT Services Availability	N/A	N/A	98%	100%	98%	98%	98%

For FY20 the Strategic Business and Operating Plan FY20-FY24, the above performance indicators related to Strategy 3, Integrate and Improve the District's Business Processes This entire strategy relates to the information Technology Department. Other years goals may be linked to other Strategy and Objectives.

\* It was difficult to calculate with the high staff turnover in IT in FY20.



## ES Retooling

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 1,530,554	\$ 1,324,382	\$ 1,745,805	\$ 2,246,535	\$ 1,840,517	\$ 1,847,408	\$ 1,903,494
52000 Supplies	(2,150)	27,291	4,500	4,910	4,167	4,250	4,335
53000 Usage	-	616	-	667	2,000	2,100	2,205
54000 Contractual Services	15,976	47,550	648,622	742,100	52,067	53,109	54,171
55000 Capital Outlay	10,459	160,846	103,333	95,000	3,333	3,400	3,468
TOTAL EXPENSES	\$ 1,554,838	\$ 1,560,686	\$ 2,502,260	\$ 3,089,212	\$ 1,902,084	\$ 1,910,267	\$ 1,967,673
ALLOCATED STAFFING SUMMARY							
Officials/Administrative	0.67	0.67	0.67	0.67	1.33	1.33	1.33
Professional	0.00	1.67	1.67	1.67	1.67	1.67	1.67
Technical	0.00	0.00	0.00	0.00	2.00	2.00	2.00
Administrative Support	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL POSITIONS	1.00	2.67	2.67	2.67	5.33	5.33	5.33

### DESCRIPTION OF SERVICES

The ES Retooling team provides technical support for the enterprise business applications that are in use at the District.

## Business Technology

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 5,281,790	\$ 5,799,011	\$ 5,078,030	\$ 5,041,650	\$ 5,249,989	\$ 5,305,281	\$ 5,464,397
52000 Supplies	43,014	126,692	3,000	23,571	2,667	2,720	2,774
53000 Usage	8,377	10,232	7,189	7,856	10,160	10,668	11,201
54000 Contractual Services	2,287,407	2,718,709	3,083,657	2,809,300	3,223,669	3,089,242	3,151,027
55000 Capital Outlay	52,918	160,846	103,333	95,000	3,333	3,400	3,468
<b>TOTAL EXPENSES</b>	<b>\$ 7,673,506</b>	<b>\$ 8,815,490</b>	<b>\$ 8,275,209</b>	<b>\$ 7,977,377</b>	<b>\$ 8,489,817</b>	<b>\$ 8,411,311</b>	<b>\$ 8,632,867</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	2.67	1.67	1.67	1.67	2.33	2.33	2.33
Professional	29.00	28.67	28.67	28.67	27.67	27.67	27.67
Technical	0.00	0.00	0.00	0.00	2.00	2.00	2.00
Administrative Support	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>32.00</b>	<b>30.67</b>	<b>30.67</b>	<b>30.67</b>	<b>32.33</b>	<b>32.33</b>	<b>32.33</b>

### DESCRIPTION OF SERVICES

The BusinessTechnology team understands the District's strategies and business processes in order to provide technical solutions that are sustainable, supportable and meet customer/business requirements. Develops and manages the IT technology program ensuring that initiatives and projects deliver on the value of the supporting business case. Assists in the re-engineering of major business processes including the management of technology projects which contribute to the District achieving its strategy of operational effectiveness. Ensures that systems perform reliably and verifiably in terms of business needs and requirements.

## Technical Services Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 2,418,078	\$ 2,669,206	\$ 2,268,333	\$ 2,383,854	\$ 1,920,188	\$ 1,917,504	\$ 1,975,398
52000 Supplies	705,743	742,115	472,012	491,464	503,132	508,187	518,351
53000 Usage	674,975	541,282	505,524	400,667	405,312	425,578	446,856
54000 Contractual Services	2,094,050	2,737,004	3,068,780	2,911,602	3,186,951	3,239,766	3,304,562
55000 Capital Outlay	445,102	267,407	519,381	484,280	407,333	415,480	423,790
<b>TOTAL EXPENSES</b>	<b>\$ 6,337,949</b>	<b>\$ 6,957,015</b>	<b>\$ 6,834,031</b>	<b>\$ 6,671,866</b>	<b>\$ 6,422,917</b>	<b>\$ 6,506,515</b>	<b>\$ 6,668,956</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	1.67	2.67	2.67	2.67	3.33	3.33	3.33
Professional	5.00	8.67	8.67	8.67	8.67	8.67	8.67
Technical	4.00	6.00	6.00	6.00	2.00	2.00	2.00
Administrative Support	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>11.00</b>	<b>17.67</b>	<b>17.67</b>	<b>17.67</b>	<b>14.33</b>	<b>14.33</b>	<b>14.33</b>

### DESCRIPTION OF SERVICES

The Technical Services team manages the District's enterprise technology infrastructure including network, server, storage, computer operations and desktop/end user services. The team works with other divisions to develop technology solutions that are cost effective, secure, and align with the District's strategic direction. The team manages all computer operations, data communications, Local Area Networking (LAN), Wide Area Networking (WAN), voice communications, disaster recovery, data security, building security software and desktop/end user services (handheld devices, PCs, peripherals and cell phones) in accordance with established service levels. The team is challenged with providing technology solutions that lay a foundation for future growth as well as improve the quality of the user/customer experience.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T4500 - Information Technology Department**

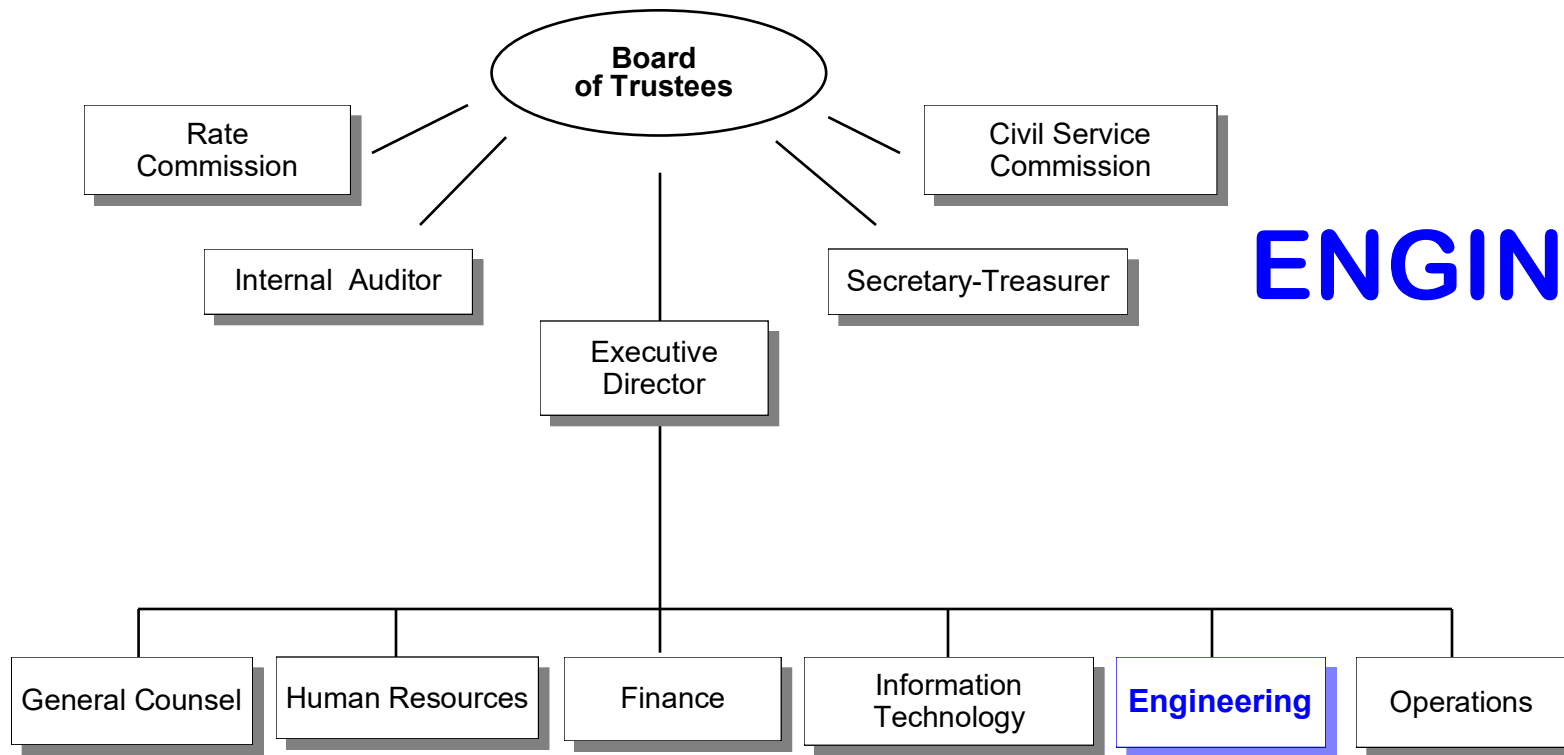
	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
51010 Salaries & Wages	3,502,384	3,578,500	4,597,202	3,809,528	4,876,420	4,943,252	5,091,549
51020 Overtime	3,722	9,609	11,100	11,900	12,000	-	-
51030 Compensatory Pay Accrual	2,367	14,294	1	(1,297)	-	-	-
51120 Membership & Licensing Fees	3,606	7,742	9,640	8,936	9,621	9,813	10,010
51210 FICA Taxes	256,511	269,330	352,535	291,485	373,966	378,159	389,504
51220 Group Insurance	308,409	313,350	466,782	346,261	522,652	539,404	581,001
51230 Pension Contributions-Defined Benefit Plan	761,532	798,704	865,998	783,547	686,673	616,230	616,230
51231 Pension Contributions-Defined Contribution Plan	89,747	103,716	102,135	119,365	154,659	139,059	139,059
51233 DC Plan-Matching Contributions	-	-	-	26,133	55,624	55,624	55,624
51234 EAP	-	-	782	-	-	-	-
51510 Temporary Help	4,302,144	4,697,354	2,685,992	4,276,181	2,319,080	2,388,652	2,460,312
<b>Total Personnel Services</b>	<b>\$9,230,422</b>	<b>\$9,792,599</b>	<b>\$9,092,168</b>	<b>\$9,672,039</b>	<b>\$9,010,694</b>	<b>\$9,070,193</b>	<b>\$9,343,288</b>
52030 Machinery & Equipment Parts	-	1,231	-	-	-	-	-
52090 Electrical Supplies	-	257	8,142	8,142	2,000	2,040	2,081
52300 Safety Footwear	-	170	-	-	-	-	-
52310 Telephone/Communic Equip/Suppl	2,212	5,127	13,744	2,830	6,909	2,040	2,081
52320 Office Supplies	1,753	1,994	2,400	7,000	2,000	2,040	2,081
52330 Computer Supplies	152,669	352,751	108,223	152,976	107,300	109,446	111,635
52340 Computer Equipment - Non-Capital	481,691	500,545	298,647	302,052	344,000	350,880	357,898
52380 Publications/Training Supplies	68,770	66,000	43,456	42,456	43,256	44,121	45,004
52390 Administrative Supplies	1,511	1,663	4,900	4,289	4,500	4,590	4,682
52400 Furniture & Office Equipment - Non-Capital	38,000	(33,639)	-	200	-	-	-
<b>Total Supplies</b>	<b>\$746,606</b>	<b>\$896,099</b>	<b>\$479,512</b>	<b>\$519,945</b>	<b>\$509,965</b>	<b>\$515,157</b>	<b>\$525,460</b>
53270 Telephone Usage	683,370	552,130	512,713	409,189	417,472	438,346	460,263
<b>Total Usage</b>	<b>\$683,370</b>	<b>\$552,130</b>	<b>\$512,713</b>	<b>\$409,189</b>	<b>\$417,472</b>	<b>\$438,346</b>	<b>\$460,263</b>
54010 Postage	80	267	-	100	-	-	-
54050 Office System Services	3,212,744	3,590,929	4,335,694	3,970,620	4,347,897	4,434,855	4,523,552
54080 Advertising Services	5,039	(34)	-	-	-	-	-
54100 Travel Expenses	16,881	38,993	40,104	28,600	40,110	40,913	41,731
54140 Training Programs/Seminar Fees	33,589	97,800	72,202	53,800	80,144	70,823	72,239
54180 Courier And Freight	-	210	-	1,000	-	-	-

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T4500 - Information Technology Department**

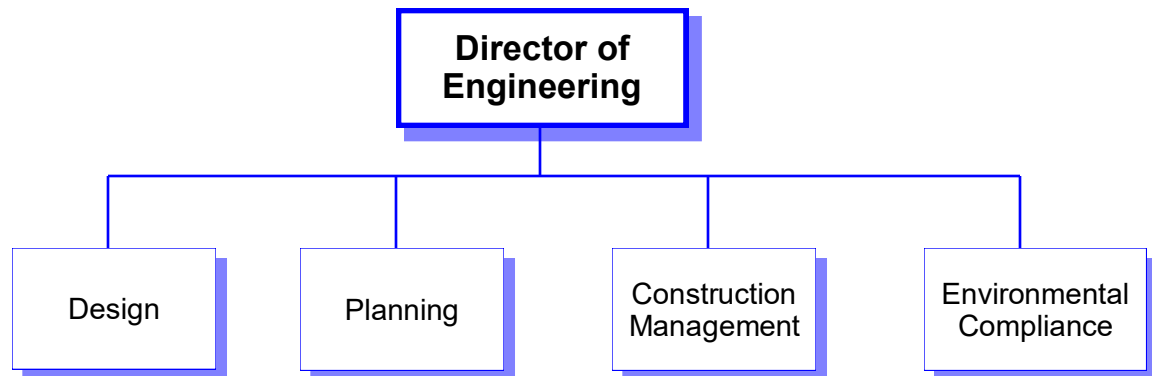
	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
54520 Professional Service	1,114,547	1,472,687	2,298,057	2,340,382	1,974,536	1,815,127	1,851,429
54530 Building Repairs & Services	14,554	302,411	55,000	68,500	20,000	20,400	20,808
<b>Total Contractual Services</b>	<b>\$4,397,433</b>	<b>\$5,503,264</b>	<b>\$6,801,058</b>	<b>\$6,463,002</b>	<b>\$6,462,687</b>	<b>\$6,382,117</b>	<b>\$6,509,759</b>
55090 Furniture & Office Equipment	-	-	60,000	60,000	10,000	10,200	10,404
55110 Computer Equipment	485,519	589,099	666,048	614,280	404,000	412,080	420,322
55115 Intangible (Software)	22,960	-	-	-	-	-	-
<b>Total Capital Outlay</b>	<b>\$508,479</b>	<b>\$589,099</b>	<b>\$726,048</b>	<b>\$674,280</b>	<b>\$414,000</b>	<b>\$422,280</b>	<b>\$430,726</b>
<b>Total General Fund Operating Expense</b>	<b>\$15,566,311</b>	<b>\$17,333,191</b>	<b>\$17,611,499</b>	<b>\$17,738,455</b>	<b>\$16,814,818</b>	<b>\$16,828,093</b>	<b>\$17,269,496</b>



**FY22 BUDGET**



# ENGINEERING



# Engineering

## Mission

*To responsibly deliver and regulate stormwater and wastewater facilities to protect the water environment.*

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### Fiscal Year 2020 Accomplishments

1. Received \$557,000 in grants from Missouri Department of Natural Resources Volkswagen Trust Fund to retire 15 trucks and replace them with newer and more emission friendly trucks. ([Strategy 2, Objective 3](#))
2. Continued to implement projects related to Project Clear to reduce constructed SSOs and improve the capacity of the sanitary and combined sewer system. Awarded a total of 82 new construction bids accounting for approximately \$152 million in construction spend. Continued to implement designs related to Project Clear, with a total design appropriation of \$25 million. Major improvements have been implemented in each of MSD Project Clear's goals. During FY20, approximately 79 miles of pipe, ranging in size from 6-inch to 79-inch, were rehabilitated using Cured-In-Place Pipe. Additionally, approximately 50,000 feet of sanitary sewer was installed ranging in size from 6-inch to 72-inch, in diameter. Also, the Coldwater Creek WWTF Clarifier Replacement, the Grand Glaize WWTF Building, Switchgear, Tank & Screen Repairs, and the Fenton WWTF Levee Improvements were completed at MSD's Wastewater Treatment Facilities. In total, the Construction Division was able to close 91 projects in FY20. ([Strategy 5, Objective 2](#))
3. Continued ongoing State Revolving Fund low-interest loan program administration. Submitted applications in FY20 to MDNR for \$82.4 million in loan funding for the MSD Public I/I Reduction Program Phase V and VI, and \$22 million for the Deer Creek Tunnel Pump Station. Added 9 CIPP construction projects to the MSD Public I/I Reduction Program in FY20. Obtained \$3.884 million in supplemental Corps of Engineers funding, to enable the Corps to complete construction of the Harlem Baden Relief Phase IV (Hebert) – Trunk Sewer Rehabilitation project. Obtained a \$2.783 million stormwater grant from MDNR to provide 50% reimbursement of construction costs on 10 stormwater projects. Obtained MDNR plan/spec approval for 4 of those projects, which were able to proceed to bidding. ([Strategy 2, Objective 3](#))
4. Completed the 2020-2021 Capital Improvement and Replacement Program (CIRP) budgeting process and published the Budget Supplement document. The program consists of 160 projects totaling \$390 million in design and construction planned for FY21. ([Strategy 5, Objective 2](#))
5. Evaluated performance of inflow and infiltration projects using post construction flow monitoring and hydraulic modeling. This evaluation is needed for confirmation of the scope of future sanitary relief projects needed to eliminate constructed Sanitary Sewer Overflow Outfalls and provide capacity assurance. In FY20, this review was able to eliminate 7 projects and reduced projected scope on 2, with \$9 million eliminated in capital costs. Additionally, 5 constructed SSO outfalls were removed based on post construction flow monitoring and without the need for a future sanitary relief project. ([Strategy 5, Objective 2](#))

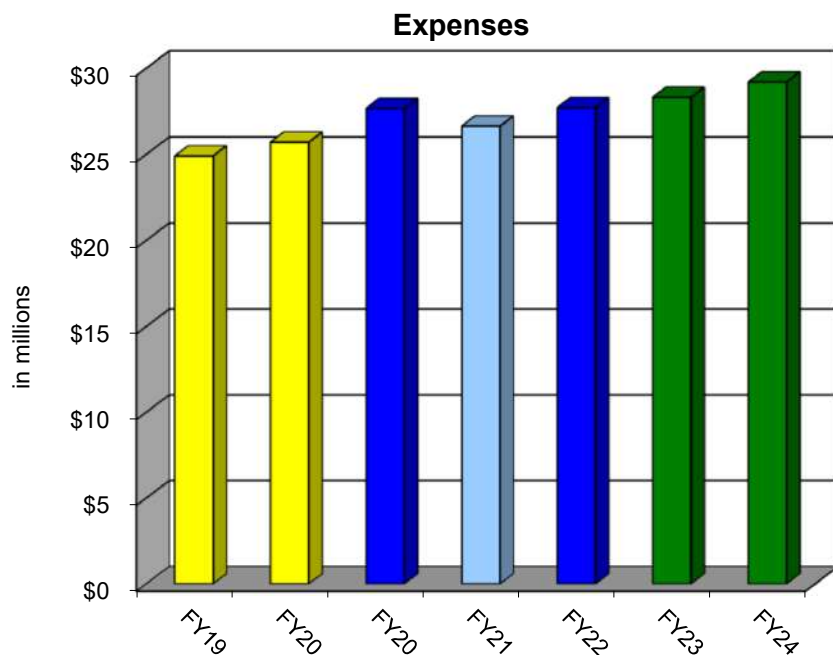


6. Performed stormwater outreach to municipalities and set up implementation strategies for reinitiating OMCI tax collection, totaling \$8 million for stormwater funding purposes. Conducted municipal leader outreach to 12 OMCI Taxing Districts regarding reinstating the OMCI taxes to fund stormwater projects in those areas. Six of the twelve were ultimately recommended and approved by the Board of Trustees to be reinstated. Five of the six will have a grant program with municipalities being able to use up to 50% of the proceeds in their area to fund stormwater projects to be executed by the municipalities. This will allow for approximately \$4 million plus in stormwater projects annually for MSD to deliver for its customers. (Strategies 1, 2 & 5, Objectives 1, 3 & 1)
7. The Metropolitan St. Louis Sewer District – St. Louis MS4 Co-Permittee Group has been selected as one of 3 winners for the Water Environment Federation’s National Municipal Stormwater and Green Infrastructure Awards Program, winning the “Best Phase II Organization in Innovation” Award. In addition, our program was categorized as a “Gold Level in Project Management” by WEF also, placing our program in the highest level among our peers. (Strategies 1 & 2, Objectives 1, 3 & 1)
8. Several major enterprise level software upgrades were implemented, including the implementation of regional development review/permitting business process improvements using Accela software. In addition, completion of an updated laboratory information management system to enhance productivity and data quality. Led participation in the Hyperion/EPBCS retooling effort, transitioning the District’s budgeting software from on-premise to the Cloud. Accutrak update to all users of Engineering data and files. (Strategy 3, Objectives 1 & 4)

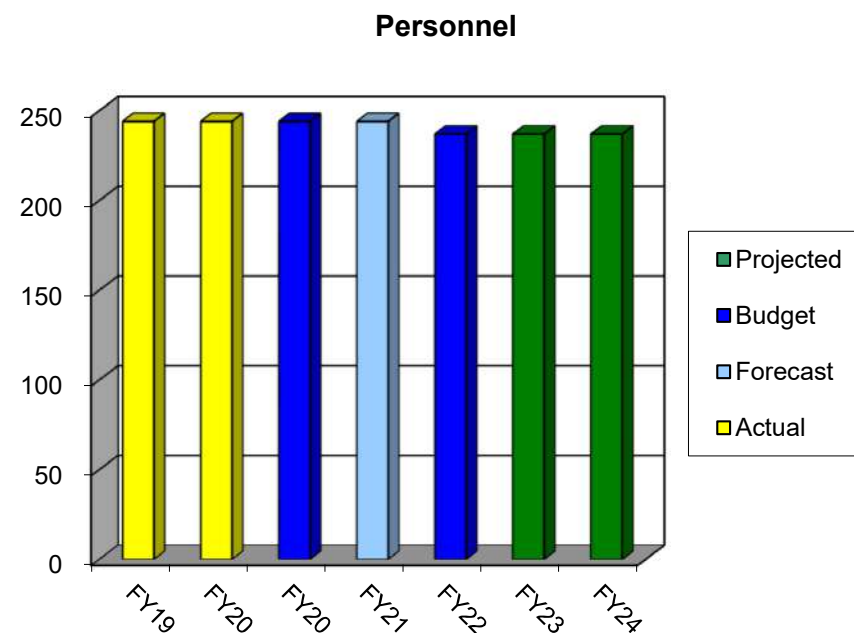
Department FY22 Strategic Business Plan														
District			FY22											
Strategies	Objectives	Milestones	Q1			Q2			Q3			Q4		
1	Inform, educate and partner to build stakeholder understanding.													
	1.	Execute Community Outreach Programs												
		a) Complete stormwater listening sessions.												
	3.	Execute Diversity and Outreach Programs												
		a) Continue implementation of Disparity Study results and recommendations based on findings, and update diversity programs as necessary.												
		b) Continue collaboration and outreach with youth programs focused on early development of construction industry workers.												
		c) Collaborate with area programs focused on increasing opportunities for hiring low income, unemployed and underemployed individuals for District projects.												
2	Manage the District's costs and revenues to optimize financial impacts.													
	2.	Identify and Implement Cost Savings Initiatives												
		c) Continue to evaluate processes that could potentially be automated.												
	3.	Maximize Long-Term Financing Plans for District Needs												
		b) Complete Inflow and Infiltration (I/I) Allocation Study.												
3	Integrate and improve the District's business processes.													
	1.	Implement Information Governance Program That Meets the District's Records & Information Discovery, Compliance and Information Security Policies.												
	2.	Integrate Asset Information Across Systems (Oracle, Maximo and GIS)												
		a) Assess impact of business process changes resulting from automation of asset capitalization manual processes (milestone from FY21 SBOP) and determine plan to address financial impact (if any).												
		b) Design and implement automated interfaces for syncing Oracle and Maximo non-linear fixed assets inventory.												
		c) Define requirements and strategy for capitalization of non-linear fixed assets - Treatment Plants, Pump Stations..												
		d) Perform cost benefit analysis of reconciling (pre-Oracle) 'bundled' collections system assets between GIS and Oracle.												
	3.	Oracle EBS Upgrade												
		a) Develop implementation plan and identify implementation partner(s).												
		b) Implementation of HRMS, Finance, Treasury, Capital Projects and Purchasing.												
		c) User Acceptance and Go Live.												
		4.	Mobile Technology Strategy											
		a) Continue to develop District mobile technology strategy to standardize mobile hardware and software including Mobile Device Management (MDM) for secure usage of MSD applications on Bring Your Own Device (BYOD) and shared remote network access devices.												
		b) Implement provision mobile technology standards and required IT infrastructure and processes.												
4	Promote appropriate standards through proactive regulatory and legislative involvement.													
	1.	Participate in Stakeholder Groups to Develop Sound Technical Basis for Regulatory Issues												
		a) Participate in Missouri-led stakeholder meetings on Clean Water Act permit fees and advocate for an equitable fee structure.												
		b) Participate in Missouri-led stakeholder meetings on nutrient reduction strategy and nutrient trading.												
	2.	Promote Appropriate Regulatory and Legislative Initiatives that Impact All Areas of District Operations.												
		a) Advocate for a national peak wet weather rule that is consistent with Missouri regulations and the 2013 8th Circuit Iowa League of Cities decision.												
		b) Advocate for reasonable, affordable, and consistent air and water permit requirements for all of MSD's facilities.												
5	Address customer and regulatory needs through a comprehensive infrastructure management program.													
	1.	Implement Stormwater Operating and Capital Improvement Program												
		a) Implement FY 2022 stormwater CIRP program based on funds generated from reinstated OMCI taxes to address flooding and erosion. Consider potential for additional OMCI tax reinstatement.												

Department FY22 Strategic Business Plan														
District	Objectives	Milestones	FY22											
Strategies			Q1			Q2			Q3			Q4		
		b) Administer OMCI Municipal Grant Program with funding from reinstated OMCI taxes to address the needs of the municipalities served by the OMCI's.												
	2.	<b>Implement Wastewater Operating and Capital Improvement Program</b>												
		a) Procure and implement modeling software upgrades to take advantage of new technology that will increase engineering efficiencies in flow metering, modeling, and capacity assurance analysis.												
		b) Conduct quarterly meetings with Engineering and General Counsel staffs to monitor and adjust projects in order to ensure compliance with the Consent Decree performance measure for the elimination of 85% Constructed Sanitary Overflows by the end of calendar 2023.												
	3.	<b>Implement Asset Management Program</b>												
		a) Purchase and implement software tools necessary to support asset management plan that incorporates the monetized ratings process for the District's linear assets.												
	5.	<b>Implement technologies and data driven solutions to reduce capital costs and increase utility performance</b>												
		a) Develop Wet Weather Optimization Plan for Lemay Service Area.												
6	<b>Create a learning and business-oriented culture based on competency and accountability.</b>													
	1.	<b>Increase Organizational Performance through Improved Communication</b>												
		a) Work with departments to identify mandatory compliance training to be administered during the first 90 days of employment.												
	3.	<b>Increase Individual Accountability and Job Satisfaction Through Continual Performance Coaching and Training</b>												
	4.	<b>Restructure a recruitment strategy that promotes and retains a talented and diversified workforce</b>												
		a) Conduct department specific focus groups to discuss their experiences, gather input related to current processes, and identify areas for improvement.												
		a) Re-evaluate and assess the process of recruiting and hiring to secure the right people with the right skill sets needed for the organization's business.												
	5.	<b>"Show Me MSD" - Business Partnership to meet the needs of the communities that support them</b>												
		a) Develop a school and business collaboration plan for a mentorship program focused on diverse students who have an interest in STEM careers.												
	6.	<b>Implement safety and security training to support training to support a safe work environment</b>												
		a) Assess security monitoring and access issues in the field and at all facilities.												
		b) Identify gaps in security, safety and incident response and reporting.												

## Engineering



Engineering's FY22 Budget of \$27.7 million represents an increase of \$1.1 million from the FY21 Forecast and \$43 thousand from FY21 Budget. Approximately 94% of Engineering's budget is in Personnel Services, and \$1.8 million of the increase from Forecast is in the same place. Offsetting that increase and decreasing significantly, \$0.8 million, is the Department's Contractual Services budget primarily due to two business cases in FY21 relating to Investigation of Water Service Lines and an Inflow & Infiltration Study not repeated in



The number of full-time equivalents in the Engineering Department decreased by seven in FY22 by eliminating 2 Construction Inspectors Senior, 2 Office Assistants, 1 Surveyor Assistant, 1 Civil Engineer, and 1 Civil Engineer Senior. No increases are planned through FY23.

## Engineering Department

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
Design Division	\$ 5,704,151	\$ 5,542,590	\$ 6,509,343	\$ 5,833,350	\$ 6,256,878	\$ 6,344,596	\$ 6,531,579
Planning Division	7,355,058	7,498,429	8,216,971	8,212,917	7,843,692	8,177,300	8,448,538
Construction Management Division	6,712,309	7,099,737	7,304,978	7,162,962	7,732,541	7,847,780	8,095,490
Environmental Compliance Division	5,134,991	5,566,843	5,640,199	5,429,062	5,881,571	5,950,175	6,125,067
<b>TOTAL EXPENSES</b>	<b>\$ 24,906,509</b>	<b>\$ 25,707,599</b>	<b>\$ 27,671,491</b>	<b>\$ 26,638,291</b>	<b>\$ 27,714,682</b>	<b>\$ 28,319,851</b>	<b>\$ 29,200,674</b>

### ALLOCATED STAFFING SUMMARY

Design Division	52.50	52.50	51.50	51.50	48.50	48.50	48.50
Planning Division	72.50	71.50	70.50	70.50	66.50	66.50	66.50
Construction Management Division	69.50	72.50	73.50	73.50	73.50	73.50	73.50
Environmental Compliance Division	49.50	47.50	48.50	48.50	48.50	48.50	48.50
<b>TOTAL POSITIONS</b>	<b>244.00</b>	<b>244.00</b>	<b>244.00</b>	<b>244.00</b>	<b>237.00</b>	<b>237.00</b>	<b>237.00</b>

### PERFORMANCE MEASURES

	Actual FY18	Actual FY19	Goal FY20	Actual FY20	Goal FY21	Goal FY22	Goal FY23
Key Performance Measures							
Maintenance Related Sewer Overflows	8% Grease	10% Grease	<12% Grease	10% Grease	<12% Grease	<12% Grease	<12% Grease
Construction Schedule Compliance	82%	83%	>80%	77%	≥80%	≥80%	≥80%
Construction Budget Performance	87%	82%	>95%	78%	>95%	>95%	>95%
Development Review Project Approval	86%	93%	90% <32 working days	93%	90% <32 working days	90% <32 working days	90% <32 working days

For FY20 the Strategic Business and Operating Plan FY20-FY24, the above performance indicators related to Strategy 2, Manage The District's Cost and Revenues to Optimize Financial Impact, Objective 2: Identify and Implement Cost Savings Initiatives and Objective 3: Maximize Long-Term Financial Plans for District Needs. Strategy 3: Integrate and Improve the District's Business Process, Objective 1: Implement Regional Development Review / Permitting Business Process Improvement. Strategy 5: Address Customer and Regulatory Needs Through a Comprehensive Infrastructure Management Program, Objective 2: Implement Wastewater Operating and Capital Improvement Program. Other years goals may be linked to other Strategy and Objectives.

## Design Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 5,504,835	\$ 5,316,775	\$ 5,897,035	\$ 5,230,818	\$ 5,805,496	\$ 5,883,878	\$ 6,061,415
52000 Supplies	24,327	16,368	19,545	19,160	20,620	21,121	21,544
53000 Usage	10,200	7,859	6,940	6,940	6,460	6,783	7,122
54000 Contractual Services	164,789	201,588	580,823	570,432	424,302	432,814	441,498
55000 Capital Outlay	-	-	5,000	6,000	-	-	-
<b>TOTAL EXPENSES</b>	<b>\$ 5,704,151</b>	<b>\$ 5,542,590</b>	<b>\$ 6,509,343</b>	<b>\$ 5,833,350</b>	<b>\$ 6,256,878</b>	<b>\$ 6,344,596</b>	<b>\$ 6,531,579</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	9.25	9.25	9.25	9.25	9.25	9.25	9.25
Professional	24.00	24.00	24.00	24.00	25.00	25.00	25.00
Technical	17.00	17.00	16.00	16.00	14.00	14.00	14.00
Administrative Support	2.25	2.25	2.25	2.25	0.25	0.25	0.25
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>52.50</b>	<b>52.50</b>	<b>51.50</b>	<b>51.50</b>	<b>48.50</b>	<b>48.50</b>	<b>48.50</b>

### DESCRIPTION OF SERVICES

The Design Division consists of three groups that provide for preparation of construction bid documents and property rights acquisition for sanitary, storm and combined sewer projects to execute the District's capital and infrastructure repair programs. The Capital Projects Group is responsible for design and bidding of large capital projects by utilizing the services of consulting engineering firms. The Project Design Group provides for the overall design and bidding of small capital or infrastructure repair projects with District staff or consulting engineering firms to supplement District staff. Additionally, the Project Design Group directs infrastructure repair work in cooperation with the Operations Department. The Right-of-Way/Survey Group provides overall District support as it relates to property rights acquisition and surveying services.

## Planning Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 7,046,846	\$ 7,393,667	\$ 7,619,764	\$ 7,424,712	\$ 7,695,763	\$ 7,790,904	\$ 8,023,758
52000 Supplies	24,053	33,660	21,035	20,635	32,560	59,565	60,756
53000 Usage	1,498	1,808	1,620	1,620	1,800	1,890	1,984
54000 Contractual Services	232,661	78,499	574,552	765,950	113,569	324,941	362,040
55000 Capital Outlay	50,000	(9,205)	-	-	-	-	-
<b>TOTAL EXPENSES</b>	<b>\$ 7,355,058</b>	<b>\$ 7,498,429</b>	<b>\$ 8,216,971</b>	<b>\$ 8,212,917</b>	<b>\$ 7,843,692</b>	<b>\$ 8,177,300</b>	<b>\$ 8,448,538</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	11.25	11.25	12.25	12.25	12.25	12.25	12.25
Professional	36.00	36.00	36.00	36.00	34.00	34.00	34.00
Technical	11.00	11.00	10.00	10.00	10.00	10.00	10.00
Administrative Support	14.25	13.25	12.25	12.25	10.25	10.25	10.25
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>72.50</b>	<b>71.50</b>	<b>70.50</b>	<b>70.50</b>	<b>66.50</b>	<b>66.50</b>	<b>66.50</b>

### DESCRIPTION OF SERVICES

The Planning Division consists of long and short range planning for sanitary, storm and combined sewer projects that comprise the annual Capital Improvement & Replacement Program (CIRP) for the District. This planning requires compliance with regulatory requirements, project prioritization, scheduling and funding, conceptual and preliminary designs, sub-district planning, system investigation, and hydraulic modeling of the sewer systems; the Division is responsible for the District's GIS system and digital asset management; the Division oversees the Development Review section which includes the plan review and permitting of all private developments and municipal improvements for combined, sanitary and stormwater drainage systems and providing general sewer information to the public; and finally, the Planning Division provides administrative management for the Engineering Department which includes management of the Central Files and Graphics sections, management of the Quality Based Section (QBS) process acquiring professional services, grant applications, various budget related duties, contract preparation, and departmental reporting.

## Construction Management Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 6,456,207	\$ 6,909,140	\$ 7,066,384	\$ 6,925,904	\$ 7,533,912	\$ 7,638,952	\$ 7,881,159
52000 Supplies	68,219	72,781	79,606	80,406	91,471	98,260	100,225
53000 Usage	36,354	36,140	41,000	41,000	38,000	39,900	41,895
54000 Contractual Services	151,529	81,676	117,988	115,652	69,158	70,667	72,211
55000 Capital Outlay	-	-	-	-	-	-	-
<b>TOTAL EXPENSES</b>	<b>\$ 6,712,309</b>	<b>\$ 7,099,737</b>	<b>\$ 7,304,978</b>	<b>\$ 7,162,962</b>	<b>\$ 7,732,541</b>	<b>\$ 7,847,779</b>	<b>\$ 8,095,490</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	6.25	6.25	7.25	7.25	6.25	6.25	6.25
Professional	6.00	7.00	7.00	7.00	12.00	12.00	12.00
Technical	54.00	55.00	55.00	55.00	49.00	49.00	49.00
Administrative Support	3.25	4.25	4.25	4.25	6.25	6.25	6.25
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>69.50</b>	<b>72.50</b>	<b>73.50</b>	<b>73.50</b>	<b>73.50</b>	<b>73.50</b>	<b>73.50</b>

### DESCRIPTION OF SERVICES

The Construction Management Division consists of three functional areas: the Capital Construction Group, the Development Inspection Group and the Administrative Support Group. The Capital Construction Group is responsible for the contract management of all construction projects included in the District's Capital Improvement and Replacement Program (CIRP). The Development Inspection Group is responsible for the inspection and acceptance of improvements to the public storm, sanitary and/or combined sewer system constructed as part of a private development or municipal improvement project. This group is also responsible for the inspection of certain private stormwater management features to ensure compliance with the District's regulations. The Administrative Support Group is responsible for the preparation of correspondence, Contractor Change Orders, Contractor Pay Applications as well as file management, and processing of Project Close-Out submittal requirements.



## Environmental Compliance Division

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 4,347,436	\$ 4,589,504	\$ 4,799,694	\$ 4,551,678	\$ 4,887,449	\$ 4,976,012	\$ 5,131,140
52000 Supplies	336,736	361,547	358,643	358,127	361,253	370,190	377,593
53000 Usage	7,848	8,150	6,768	6,768	6,768	7,106	7,462
54000 Contractual Services	387,675	387,683	410,094	462,489	520,100	530,567	541,246
55000 Capital Outlay	55,296	219,959	65,000	50,000	106,000	66,300	67,626
	-	-			-	-	
TOTAL EXPENSES \$	<u>5,134,991</u>	<u>5,566,843</u>	<u>5,640,199</u>	<u>5,429,062</u>	<u>5,881,570</u>	<u>5,950,175</u>	<u>6,125,067</u>
ALLOCATED STAFFING SUMMARY							
Officials/Administrative	5.25	5.25	5.25	5.25	5.25	5.25	5.25
Professional	16.00	16.00	17.00	17.00	17.00	17.00	17.00
Technical	25.00	23.00	23.00	23.00	23.00	23.00	23.00
Administrative Support	3.25	3.25	3.25	3.25	3.25	3.25	3.25
Skilled/Craft	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service/Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL POSITIONS	<u>49.50</u>	<u>47.50</u>	<u>48.50</u>	<u>48.50</u>	<u>48.50</u>	<u>48.50</u>	<u>48.50</u>

### DESCRIPTION OF SERVICES

Environmental Compliance Division is responsible for providing environmental regulatory assistance and enforcement for the District and consists of three sections: Laboratory Operations, Industrial Pretreatment and Compliance Programs. Laboratory Operations is responsible for the analysis of wastewater, stream and sludge samples to support MSD's Industrial Pretreatment Program, Wastewater Treatment Plant Compliance and other environmental compliance programs. Industrial Pretreatment is responsible for the implementation of the federally mandated program that requires MSD to sample, inspect and regulate its industrial customers. This section also administers MSD's Field Monitoring Program which includes the monitoring of stream, SSO's, CSO's and green infrastructure and the Cost Recovery Programs which include the Hauled Waste Program, Return Factor Program and Special Discharge Program. Compliance Programs is responsible for implementation of MSD's Municipal Separate Storm Sewer System Permit, Emergency Response, Fats, Oils and Grease (FOG) Program, Regulatory Affairs and other MSD environmental compliance programs.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T8000 - Engineering Department**

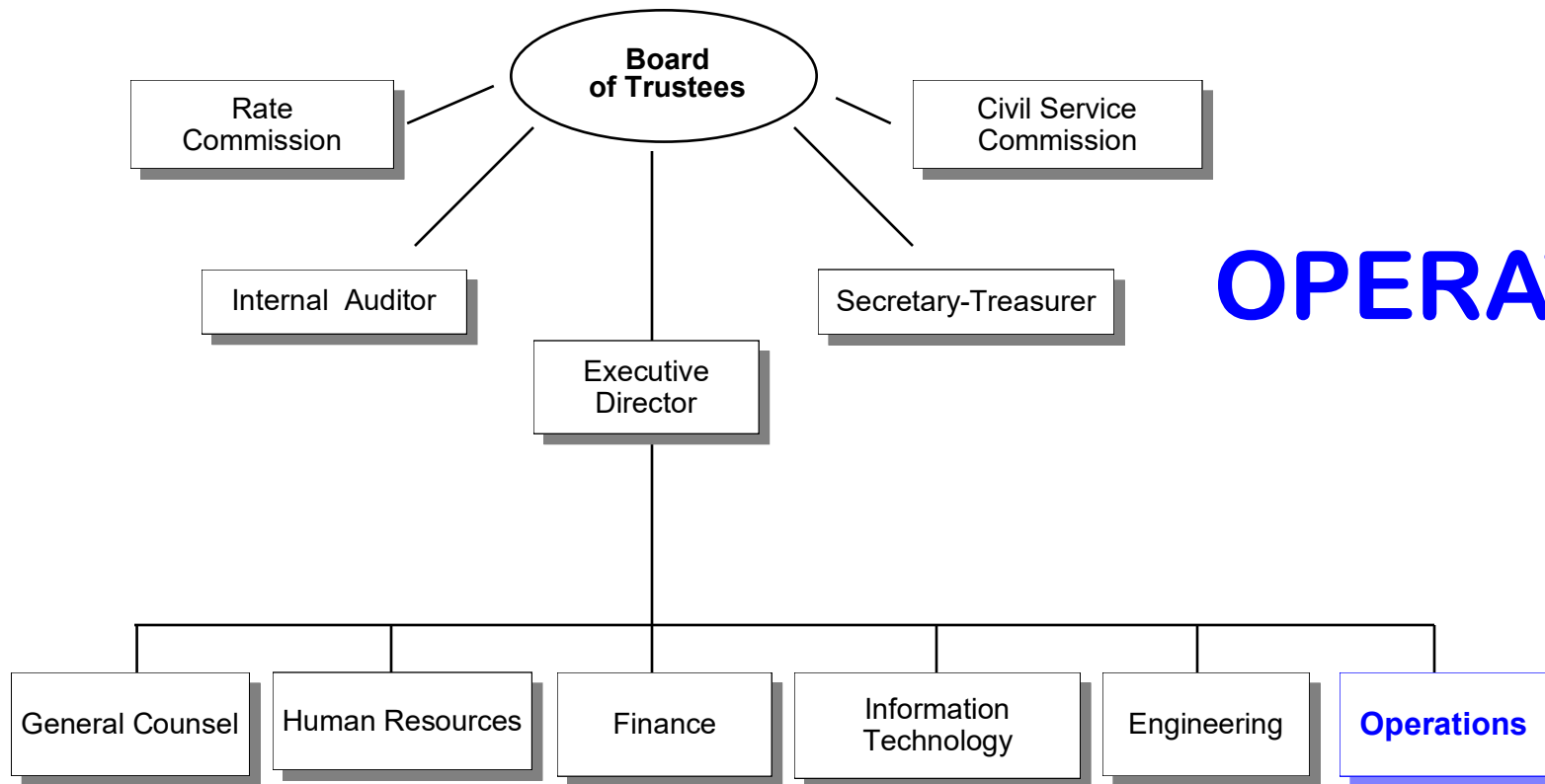
	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
51010 Salaries & Wages	16,292,481	16,760,138	18,218,406	16,478,578	18,034,440	18,514,730	19,070,172
51020 Overtime	109,918	77,601	124,100	100,100	102,440	105,513	108,679
51030 Compensatory Pay Accrual	413	2,040	-	10,753	-	-	-
51120 Membership & Licensing Fees	12,099	10,779	14,756	14,876	16,020	16,340	16,667
51210 FICA Taxes	1,199,446	1,246,176	1,403,202	1,224,502	1,387,471	1,424,449	1,467,182
51220 Group Insurance	1,726,185	1,949,703	2,387,239	2,022,020	2,463,446	2,654,178	2,860,236
51230 Pension Contributions-Defined Benefit Plan	3,367,590	3,546,893	2,766,490	3,708,366	3,350,165	3,006,486	3,006,486
51231 Pension Contributions-Defined Contribution Plan	471,933	555,301	450,067	461,403	406,015	405,594	405,594
51233 DC Plan-Matching Contributions	-	-	-	112,283	162,624	162,456	162,456
51234 EAP	-	-	3,616	-	-	-	-
51510 Temporary Help	175,259	60,457	15,000	231	-	-	-
<b>Total Personnel Services</b>	<b>\$23,355,324</b>	<b>\$24,209,087</b>	<b>\$25,382,876</b>	<b>\$24,133,112</b>	<b>\$25,922,620</b>	<b>\$26,289,746</b>	<b>\$27,097,472</b>
52010 Fuels,Lubricants,Gases	4,869	3,534	6,300	6,350	6,300	6,426	6,555
52030 Machinery & Equipment Parts	659	6,975	7,360	7,360	7,360	7,507	7,657
52040 Machinery & Equipment - Non-Capital	12,803	20,563	23,450	21,383	20,830	21,247	21,672
52050 Construction & Bldg Supplies	27,825	38,735	45,000	45,000	45,000	45,900	46,818
52070 Hardware	464	262	500	600	500	510	520
52080 Hose Supplies	1,864	4,009	3,385	3,385	3,530	3,601	3,673
52090 Electrical Supplies	6,104	4,208	4,670	4,670	4,550	4,641	4,734
52100 Instrument Supplies	20,030	19,195	20,960	20,960	20,960	21,379	21,807
52110 Chemical Supplies	109,712	92,077	110,350	110,350	110,350	112,557	114,808
52120 Laboratory Supplies	118,179	146,529	121,309	123,426	121,309	123,735	126,210
52130 Engineering & Drafting Supply	1,189	741	1,450	1,450	3,100	3,162	3,225
52160 Paint Supplies	185	234	800	800	800	816	832
52170 Safety Supplies	6,817	17,862	16,656	17,856	20,306	20,712	21,126
52220 Janitorial Supplies	3,887	3,851	3,750	3,750	3,950	4,029	4,110
52240 Hand Tools	1,258	2,104	1,840	1,890	1,500	1,530	1,561
52280 Uniforms	18,652	19,228	23,398	23,398	23,898	24,376	24,863
52300 Safety Footwear	19,390	16,015	23,300	23,300	28,800	29,376	29,964
52310 Telephone/Communic Equip/Suppl	(1,000)	2,273	-	450	300	1,423	1,451
52320 Office Supplies	24,611	20,432	32,620	29,884	30,850	31,467	32,096
52330 Computer Supplies	21,947	39,143	10,500	11,035	30,900	58,697	59,871
52340 Computer Equipment - Non-Capital	32,072	11,513	-	-	960	5,797	5,913

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T8000 - Engineering Department**

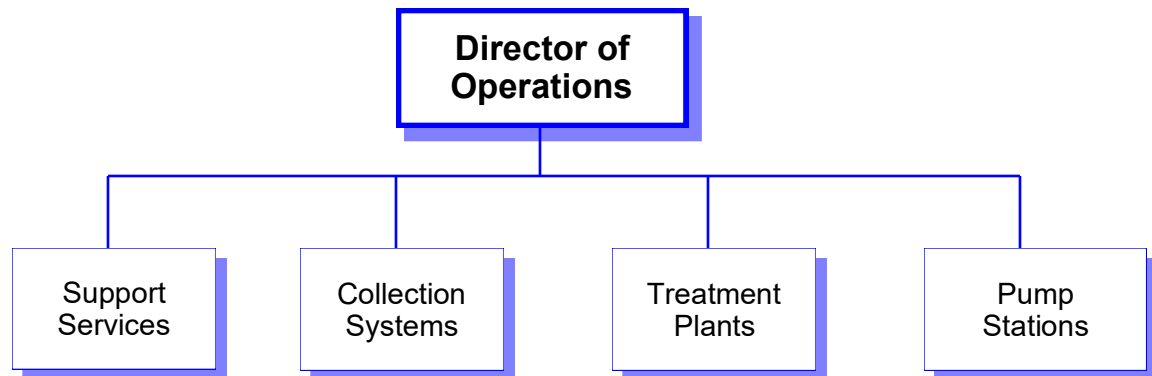
	Actual FY19	Actual FY20	Budget FY21	Forecast FY21	Budget FY22	Projected FY23	Projected FY24
52380 Publications/Training Supplies	7,097	6,912	9,231	9,231	8,331	8,498	8,668
52390 Administrative Supplies	5,348	3,518	5,500	5,000	5,520	5,630	5,743
52400 Furniture & Office Equipment - Non-Capital	9,374	4,442	6,500	6,800	6,000	6,120	6,242
<b>Total Supplies</b>	<b>\$453,335</b>	<b>\$484,356</b>	<b>\$478,829</b>	<b>\$478,328</b>	<b>\$505,904</b>	<b>\$549,135</b>	<b>\$560,118</b>
53270 Telephone Usage	55,900	53,956	56,328	56,328	53,028	55,679	58,463
<b>Total Usage</b>	<b>\$55,900</b>	<b>\$53,956</b>	<b>\$56,328</b>	<b>\$56,328</b>	<b>\$53,028</b>	<b>\$55,679</b>	<b>\$58,463</b>
54050 Office System Services	71,238	3,076	6,100	24,370	9,300	9,486	9,676
54060 Printing Services	6,381	7,008	21,870	21,870	22,810	23,266	23,732
54080 Advertising Services	38,543	17,736	42,800	18,000	42,800	43,656	44,529
54100 Travel Expenses	162,392	108,492	176,562	99,167	96,832	98,769	100,744
54140 Training Programs/Seminar Fees	54,594	35,267	47,124	28,394	43,209	44,073	44,955
54160 Data Imaging Services	112,338	38,883	38,000	25,460	35,300	36,006	36,726
54180 Courier And Freight	52,010	47,696	45,450	45,450	47,550	48,501	49,471
54190 Property & Other Space Rental	14,782	14,770	14,500	14,500	14,500	14,790	15,086
54420 Court Costs & Lien Fees	2,508	894	4,500	4,000	2,500	2,550	2,601
54440 Easement Acquisitions/Fees	20,173	35,438	25,000	25,000	25,000	25,500	26,010
54520 Professional Service	213,066	246,935	1,043,939	1,317,000	504,000	723,180	768,244
54530 Building Repairs & Services	300	-	-	500	-	-	-
54540 Janitorial Services	38,744	50,868	37,000	85,200	85,200	86,904	88,642
54560 Motor Vehicle Services	14,080	11,797	15,312	15,312	20,328	20,938	21,566
54570 Machinery & Equipment Services	-	7,190	4,000	4,000	1,500	1,530	1,561
54580 Equipment Rental	1,224	456	1,500	1,500	1,500	1,545	1,591
54610 Instrument Repair Services	46,326	55,965	56,600	56,600	56,600	57,732	58,887
54640 Damage Repairs & Services	-	2,300	7,000	7,000	2,000	2,040	2,081
54650 Waste Hauling	20,921	23,755	27,700	27,700	27,700	28,254	28,819
54670 Other Governmental Fees	1,800	2,525	3,000	3,000	3,000	3,060	3,121
54680 Laboratory Testing Services	43,539	33,898	50,000	65,000	65,000	66,300	67,626
54710 Community Outreach Programs	21,696	4,497	14,500	24,500	17,500	17,850	18,207
54720 Tree Removal/Weed Spraying	-	-	1,000	1,000	3,000	3,060	3,121
<b>Total Contractual Services</b>	<b>\$936,654</b>	<b>\$749,446</b>	<b>\$1,683,457</b>	<b>\$1,914,523</b>	<b>\$1,127,129</b>	<b>\$1,358,990</b>	<b>\$1,416,995</b>
55030 Structural Improvements	-	50,500	-	-	-	-	-
55080 Instruments & Apparatus	55,296	27,919	70,000	56,000	106,000	66,300	67,626

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T8000 - Engineering Department**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
55110 Computer Equipment	50,000	(9,205)	-	-	-	-	-
55115 Intangible (Software)	-	141,540	-	-	-	-	-
<b>Total Capital Outlay</b>	<b>\$105,296</b>	<b>\$210,754</b>	<b>\$70,000</b>	<b>\$56,000</b>	<b>\$106,000</b>	<b>\$66,300</b>	<b>\$67,626</b>
<b>Total General Fund Operating Expense</b>	<b>\$24,906,509</b>	<b>\$25,707,599</b>	<b>\$27,671,491</b>	<b>\$26,638,291</b>	<b>\$27,714,682</b>	<b>\$28,319,851</b>	<b>\$29,200,674</b>



# OPERATIONS



# Operations Department

## Mission

*To protect the public's health, safety, and water environment by effectively operating and maintaining the District's wastewater and stormwater infrastructure.*

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### Fiscal Year 2020 Accomplishments

1. NACWA Platinum Awards for MO River, Grand Glaize, Fenton and Meramec Treatment Plants. ([Strategy 5, Objective 3](#))
2. NACWA Gold Award for Bissell Treatment Plant. ([Strategy 5, Objective 3](#))
3. NACWA Silver Award for Lemay and Coldwater Treatment Plants. ([Strategy 5, Objective 3](#))
4. Treated 134,502 thousand million gallons of wastewater. Averaged 368 Million Gallons/Day. ([Strategy 5, Objective 3](#))
5. Plants conducted >10 tours for 240 people. ([Strategy 5, Objective 3](#))
6. MO River, Coldwater, Bissell, Lemay, Grand Glaize and Meramec – Zero (0) odor complaints. ([Strategy 5, Objective 3](#))
7. MO River, Coldwater, Bissell, Lemay, Grand Glaize and Meramec – Zero (0) lost time injuries. ([Strategy 5, Objective 3](#))
8. Asset Management continued with updates of the Tactical Management Plans, updated preventative maintenance plans for improved dashboard monitoring. Improved capital projects contract language to include asset information and automatic upload to Customer Information Management System. ([Strategy 5, Objective 3](#))



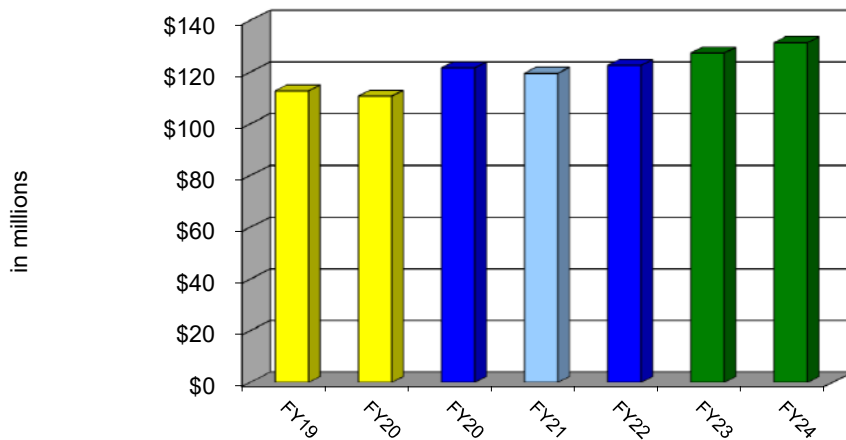
Department FY22 Strategic Business Plan														
District			FY22											
Strategies	Objectives	Milestones	Q1			Q2			Q3			Q4		
1	Inform, educate and partner to build stakeholder understanding.													
	1.	Execute Community Outreach Programs												
		a) Complete stormwater listening sessions.												
2	Manage the District's costs and revenues to optimize financial impacts.													
	2.	Identify and Implement Cost Savings Initiatives												
		c) Continue to evaluate processes that could potentially be automated.												
	3.	Maximize Long-Term Financing Plans for District Needs												
3	Integrate and improve the District's business processes.													
	2.	Integrate Asset Information Across Systems (Oracle, Maximo and GIS)												
		b) Design and implement automated interfaces for syncing Oracle and Maximo non-linear fixed assets inventory.												
		c) Define requirements and strategy for capitalization of non-linear fixed assets - Treatment Plants, Pump Stations..												
	3.	Oracle EBS Upgrade												
		a) Develop implementation plan and identify implementation partner(s).												
		b) Implementation of HRMS, Finance, Treasury, Capital Projects and Purchasing.												
		c) User Acceptance and Go Live.												
	4.	Mobile Technology Strategy												
		a) Continue to develop District mobile technology strategy to standardize mobile hardware and software including Mobile Device Management (MDM) for secure usage of MSD applications on Bring Your Own Device (BYOD) and shared remote network access devices.												
		b) Implement provision mobile technology standards and required IT infrastructure and processes.												
4	Promote appropriate standards through proactive regulatory and legislative involvement.													
	1.	Participate in Stakeholder Groups to Develop Sound Technical Basis for Regulatory Issues												
		a) Participate in Missouri-led stakeholder meetings on Clean Water Act permit fees and advocate for an equitable fee structure.												
		b) Participate in Missouri-led stakeholder meetings on nutrient reduction strategy and nutrient trading.												
		c) Participate in the Volkswagen Trust grant program stakeholder process, to help MSD replace trucks with more emission friendly equipment.												
	2.	Promote Appropriate Regulatory and Legislative Initiatives that Impact All Areas of District Operations.												
		a) Advocate for a national peak wet weather rule that is consistent with Missouri regulations and the 2013 8th Circuit Iowa League of Cities decision.												
		b) Advocate for reasonable, affordable, and consistent air and water permit requirements for all of MSD's facilities.												
5	Address customer and regulatory needs through a comprehensive infrastructure management program.													
	1.	Implement Stormwater Operating and Capital Improvement Program												
		a) Implement FY 2022 stormwater CIRP program based on funds generated from reinstated OMCI taxes to address flooding and erosion. Consider potential for additional OMCI tax reinstatement.												
	2.	Implement Wastewater Operating and Capital Improvement Program												
	3.	Implement Asset Management Program												
		a) Purchase and implement software tools necessary to support asset management plan that incorporates the monetized ratings process for the District's linear assets.												
	5.	Implement technologies and data driven solutions to reduce capital costs and increase utility performance												
		a) Develop Wet Weather Optimization Plan for Lemay Service Area.												
		b) Design SCADA system upgrade.												
		c) Plan Wet Weather Operational Structure for Organization.												
6	Create a learning and business-oriented culture based on competency and accountability.													
	1.	Increase Organizational Performance through Improved Communication												

Department FY22 Strategic Business Plan														
District Strategies	Objectives	Milestones	FY22											
			Q1			Q2			Q3			Q4		
		a) Work with departments to identify mandatory compliance training to be administered during the first 90 days of employment.												
	3.	<b>Increase Individual Accountability and Job Satisfaction Through Continual Performance Coaching and Training</b>												
	4.	<b>Restructure a recruitment strategy that promotes and retains a talented and diversified workforce</b>												
		a) Conduct department specific focus groups to discuss their experiences, gather input related to current processes, and identify areas for improvement.												
		a) Re-evaluate and assess the process of recruiting and hiring to secure the right people with the right skill sets needed for the organization's business.												
	5.	<b>"Show Me MSD" - Business Partnership to meet the needs of the communities that support them</b>												
		a) Develop a school and business collaboration plan for a mentorship program focused on diverse students who have an interest in STEM careers.												
	6.	<b>Implement safety and security training to support training to support a safe work environment</b>												
		a) Assess security monitoring and access issues in the field and at all facilities.												
		b) Identify gaps in security, safety and incident response and reporting.												



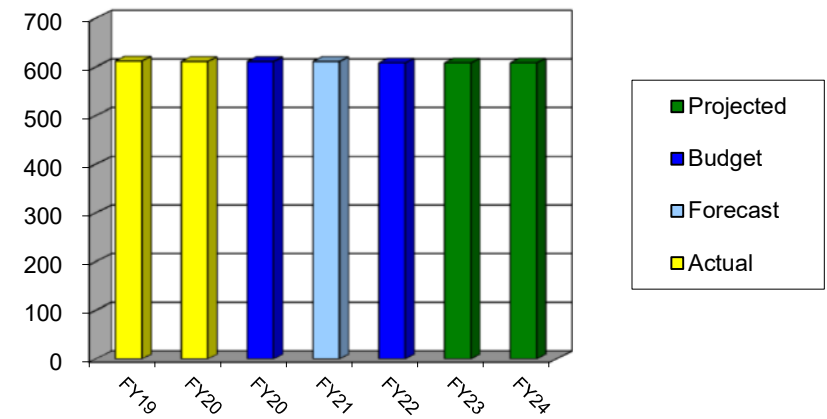
## Operations Department

### Expenses



The FY22 Budget of \$122.5 million represents an increase of \$1.0 million over the FY21 Budget and \$3.0 million over FY21 Forecast. The increase compared to budget is primarily comprised of \$1.4 million at the Pump Stations offset by decrease at the Collection System Facilities of \$542 thousand. The Pump Stations increases were \$565 thousand for Capital Outlay, \$552 thousand for Supplies, and \$541 thousand for Contracted Services offset by a decrease of \$450 thousand for Personnel Services. The decrease of \$542 thousand at the Collection System Facilities is comprised of \$455 thousand for Personnel Services, and \$299 thousand for Capital Outlay offset by an increase of \$110 thousand for Contracted Services and \$97 thousand for Supplies. The increase at the Treatment Plant of \$137 thousand is comprised of \$410 thousand for Personnel Services, \$277 thousand for Supplies, \$122 thousand for Contracted Services offset by a decrease of \$468 thousand for Capital Outlay and \$204 thousand for Utilities.

### Personnel



This budget reflects a decrease of three Collection System Technician full-time equivalent positions.

## Operations Department

<b>EXPENDITURE SUMMARY</b>	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Projected</b>	<b>FY24 Projected</b>
Support Services	\$ 15,645,056	\$ 15,557,235	\$ 17,587,107	\$ 17,131,889	\$ 17,672,853	\$ 18,014,975	\$ 18,448,209
Collection System Facilities	34,958,793	34,890,542	38,627,162	37,105,271	38,084,831	38,789,722	39,895,297
Treatment Plants	46,966,508	44,771,051	48,473,778	48,547,348	48,610,969	51,547,321	54,407,096
Pump Stations	15,160,063	15,408,957	16,823,730	16,735,968	18,173,360	18,910,569	18,653,826
<b>TOTAL EXPENSES</b>	<b>\$ 112,730,420</b>	<b>\$ 110,627,785</b>	<b>\$ 121,511,777</b>	<b>\$ 119,520,476</b>	<b>\$ 122,542,013</b>	<b>\$ 127,262,587</b>	<b>\$ 131,404,428</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Support Services	60.00	61.00	64.00	64.00	61.00	61.00	61.00
Collection System Facilities	319.00	316.00	316.00	316.00	308.00	308.00	308.00
Treatment Plants	184.00	184.00	182.00	182.00	188.00	188.00	188.00
Pump Stations	49.00	50.00	49.00	49.00	51.00	51.00	51.00
<b>TOTAL POSITIONS</b>	<b>612.00</b>	<b>611.00</b>	<b>611.00</b>	<b>611.00</b>	<b>608.00</b>	<b>608.00</b>	<b>608.00</b>

### PERFORMANCE MEASURES

	<b>Actual FY18</b>	<b>Actual FY19</b>	<b>Goal FY20</b>	<b>Actual FY20</b>	<b>Goal FY21</b>	<b>Goal FY22</b>	<b>Goal FY23</b>
On-time Emergency Response	83.0%	89.0%	≥ 90%	82.0%	≥ 90%	≥ 90%	≥ 90%
Dry Weather Overflows	198	215	<162 annually (2.5 per 100 miles of pipe)	177.0	<162 annually (2.5 per 100 miles of pipe)	<162 annually (2.5 per 100 miles of pipe)	<162 annually (2.5 per 100 miles of pipe)
Basement Backups	259	267	<424 annually (<1 in a 1000 customers)	296	<424 annually (<1 in a 1000 customers)	<424 annually (<1 in a 1000 customers)	<424 annually (<1 in a 1000 customers)
Treatment Plant Compliance	99.9%	99.8%	100.0%	99.9%	100.0%	100.0%	100.0%
Overall Customer Satisfaction from Customer Surveys	8.1	8.2	≥ 8 out of 10	8.0	≥ 8 out of 10	≥ 8 out of 10	≥ 8 out of 10

Note: FY20 Goals were not met for On-time Emergency Response, Dry weather Overflows and Treatment Plants Compliance due to above-average rainfall for six months of the year.

For FY20 the Strategic Business and Operating Plan FY20-FY24, the above performance indicators related to Strategy 4, Manage Promote Appropriate Standards Through Proactive Regulatory and Legislative Involvement, Objective 2: Promote Appropriate Regulatory & Legislative Initiatives that Impact All Areas of the Districts Operations. Also Strategy 5: Address Customers and Regulatory Needs Through a Comprehensive Infrastructure Management Program, Objective 2: Implement Wastewater Operating and Capital Improvement Program and Objective 3: Implement Asset Management Program. Other years goals may be linked to other Strategy and Objectives.

## Support Services

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 5,927,967	\$ 6,284,301	\$ 6,693,792	\$ 6,395,068	\$ 6,518,012	\$ 6,604,550	\$ 6,805,105
52000 Supplies	4,308,823	4,823,110	6,239,451	5,749,646	6,525,778	6,684,554	6,818,246
53000 Usage	101,763	96,836	106,205	110,410	114,755	117,156	119,684
54000 Contractual Services	1,415,607	1,175,656	1,429,159	1,602,265	1,395,808	1,427,845	1,460,687
55000 Capital Outlay	3,890,896	3,177,332	3,118,500	3,274,500	3,118,500	3,180,870	3,244,487
<b>TOTAL EXPENSES</b>	<b>\$ 15,645,056</b>	<b>\$ 15,557,235</b>	<b>\$ 17,587,107</b>	<b>\$ 17,131,889</b>	<b>\$ 17,672,853</b>	<b>\$ 18,014,975</b>	<b>\$ 18,448,209</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	7.00	10.00	7.00	7.00	7.00	7.00	7.00
Professional	8.00	3.00	10.00	10.00	8.00	8.00	8.00
Technical	9.00	10.00	12.00	12.00	12.00	12.00	12.00
Administrative Support	12.00	15.00	12.00	12.00	12.00	12.00	12.00
Skilled/Craft	17.00	14.00	17.00	17.00	17.00	17.00	17.00
Service/Maintenance	7.00	9.00	6.00	6.00	5.00	5.00	5.00
<b>TOTAL POSITIONS</b>	<b>60.00</b>	<b>61.00</b>	<b>64.00</b>	<b>64.00</b>	<b>61.00</b>	<b>61.00</b>	<b>61.00</b>

### DESCRIPTION OF SERVICES

#### Support Services

- 1) Customer Care and Administrative Services receives all non-billing customer calls, creates service requests, dispatches emergency calls, and communicates status of service requests to customers. The group also provides administrative support to all Plants and Yards, and tracks and reports a variety of performance indicators.
- 2) Materials Management supports the Yards, Plants and Garage by fulfilling material requests including procurement, receipt, storage, retrieval of supplies, Inventory Control System accuracy, develops material standards and specifications and cost control for managing inventory.
- 3) Asset Management provides asset management support which includes supporting the Computerized Maintenance, Management System, standardizing and improving work processes and developing processes to better track and predict asset replacement costs and timing.
- 4) Garage and Shops provides for the maintenance, repair and upkeep of the District's office buildings and grounds, provides vehicular and equipment maintenance and repair to the District's fleet, as well as machine shop fabrication and repairs.

## Collection System Facilities

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 28,369,849	\$ 28,999,891	\$ 31,845,174	\$ 29,914,070	\$ 31,390,604	\$ 31,996,018	\$ 33,001,262
52000 Supplies	2,590,993	2,441,123	2,054,935	2,142,056	2,152,112	2,103,308	2,048,474
53000 Usage	252,055	272,312	261,962	259,115	266,198	278,480	291,501
54000 Contractual Services	2,866,301	3,727,036	3,922,591	4,272,530	4,032,717	4,163,852	4,301,035
55000 Capital Outlay	879,595	(549,820)	542,500	517,500	243,200	248,064	253,025
<b>TOTAL EXPENSES \$</b>	<b>34,958,793</b>	<b>34,890,542</b>	<b>38,627,162</b>	<b>37,105,271</b>	<b>38,084,831</b>	<b>38,789,722</b>	<b>39,895,297</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	21.00	24.00	21.00	21.00	21.00	21.00	21.00
Professional	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Technical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skilled/Craft	240.00	228.00	222.00	222.00	218.00	218.00	218.00
Service/Maintenance	47.00	53.00	62.00	62.00	58.00	58.00	58.00
<b>TOTAL POSITIONS</b>	<b>319.00</b>	<b>316.00</b>	<b>316.00</b>	<b>316.00</b>	<b>308.00</b>	<b>308.00</b>	<b>308.00</b>

### DESCRIPTION OF SERVICES

#### Collection System Facilities

The three Collection System Facilities are responsible for the operation and repair of the sanitary, combined and stormwater sewers. To meet this duty, the following services are performed:

- 1) Routine mechanical cleaning of sewers and structures.
- 2) Routine closed circuit television inspection of sewers.
- 3) Routine inspection of sewer manholes and inlets.
- 4) Repair/replacement of manholes, inlets, and other structures.
- 5) Repair/replacement of sanitary, combined and stormwater sewers.
- 6) Cleaning debris from creeks and improved channels when deemed a flooding concern.
- 7) Repair of improved channels, creek banks and flood control structures.
- 8) Engineering evaluation and solution for qualified stormwater problems.
- 9) Sewer separation solutions for qualified homeowners experiencing sewage-in-basement problems.
- 10) Response to customer calls such as basement backups, odors, flooding, overflows and cave-ins.

## Treatment Plants

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 17,873,267	\$ 18,164,033	\$ 19,943,346	\$ 19,638,111	\$ 20,353,374	\$ 20,786,003	\$ 21,440,182
52000 Supplies	6,097,845	5,299,548	6,570,919	6,963,072	6,848,371	8,373,137	9,512,710
53000 Utilities	12,344,769	10,956,884	12,109,795	11,670,260	11,906,186	12,191,534	12,315,601
54000 Contractual Services	7,372,615	7,081,136	8,644,819	8,829,786	8,766,538	9,139,416	10,060,228
55000 Capital Outlay	3,278,012	3,269,450	1,204,900	1,446,118	736,500	1,057,230	1,078,375
<b>TOTAL EXPENSES</b>	<b>\$ 46,966,508</b>	<b>\$ 44,771,051</b>	<b>\$ 48,473,778</b>	<b>\$ 48,547,348</b>	<b>\$ 48,610,969</b>	<b>\$ 51,547,321</b>	<b>\$ 54,407,096</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	16.00	18.00	18.00	18.00	18.00	18.00	18.00
Professional	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Technical	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skilled/Craft	130.00	142.00	130.00	130.00	136.00	136.00	136.00
Service/Maintenance	32.00	19.00	29.00	29.00	29.00	29.00	29.00
<b>TOTAL POSITIONS</b>	<b>184.00</b>	<b>184.00</b>	<b>182.00</b>	<b>182.00</b>	<b>188.00</b>	<b>188.00</b>	<b>188.00</b>

### DESCRIPTION OF SERVICES

#### Treatment Plants

The seven treatment plants serve five watersheds and include two of the largest facilities in Missouri. All plants provide full primary and secondary treatment and disinfection to wastewater before returning the treated wastewater to area rivers.

## Pump Stations

EXPENDITURE SUMMARY	FY19 Actual	FY20 Actual	FY21 Budget	FY21 Forecast	FY22 Budget	FY23 Projected	FY24 Projected
51000 Personnel Services	\$ 6,518,214	\$ 6,457,983	\$ 7,055,688	\$ 6,484,140	\$ 6,605,406	\$ 6,732,345	\$ 6,939,476
52000 Supplies	900,314	1,277,201	1,667,637	1,887,138	2,219,646	2,264,039	2,309,320
53000 Usage	3,267,333	3,631,505	3,816,371	3,563,555	3,958,026	4,377,044	3,715,926
54000 Contractual Services	3,162,237	2,120,907	3,709,034	4,077,583	4,250,282	4,374,341	4,503,048
55000 Capital Outlay	1,311,965	1,921,361	575,000	723,552	1,140,000	1,162,800	1,186,056
<b>TOTAL EXPENSES</b>	<b>\$ 15,160,063</b>	<b>\$ 15,408,957</b>	<b>\$ 16,823,730</b>	<b>\$ 16,735,968</b>	<b>\$ 18,173,360</b>	<b>\$ 18,910,569</b>	<b>\$ 18,653,826</b>
<b>ALLOCATED STAFFING SUMMARY</b>							
Officials/Administrative	5.00	7.00	6.00	6.00	7.00	7.00	7.00
Professional	6.00	3.00	6.00	6.00	5.00	5.00	5.00
Technical	0.00	3.00	0.00	0.00	0.00	0.00	0.00
Administrative Support	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skilled/Craft	36.00	37.00	37.00	37.00	39.00	39.00	39.00
Service/Maintenance	2.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL POSITIONS</b>	<b>49.00</b>	<b>50.00</b>	<b>49.00</b>	<b>49.00</b>	<b>51.00</b>	<b>51.00</b>	<b>51.00</b>

### DESCRIPTION OF SERVICES

The Pump Station Division operates and maintains 42 flood protection stations, 25 major interceptor stations, and over 200 county pump stations. This Division maintains a District-wide computerized alarm system which monitors the 275 unmanned pump stations on a continuous basis. The Pump Station Division is responsible for the Bissell Point Overflow Regulation System, the Lemay Overflow Regulation System, and protecting the City of St. Louis during periods of high river stage. These automated systems prevent sewage from entering waterways as the river's elevations rise above the level of the sewer system.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T6000 - Operations Department**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
51010 Salaries & Wages	38,591,590	40,056,730	42,358,140	41,338,469	44,127,321	45,438,261	46,801,409
51020 Overtime	3,487,397	2,424,493	2,405,409	2,406,049	2,401,806	2,473,860	2,548,076
51030 Compensatory Pay Accrual	2,643	56	-	-	-	-	-
51060 Worker's Compensation Pay	208,946	65,067	-	115,862	-	-	-
51100 Emp Service & Incentive Awards	1,750	957	-	-	-	-	-
51120 Membership & Licensing Fees	76,100	10,402	80,115	84,641	87,298	89,044	90,825
51210 FICA Taxes	3,093,576	3,091,552	3,424,412	3,244,982	3,559,478	3,665,277	3,775,236
51220 Group Insurance	4,524,084	5,075,551	6,104,065	5,330,938	6,186,207	6,666,059	7,184,066
51230 Pension Contributions-Defined Benefit Plan	7,481,748	7,679,340	9,235,537	8,153,343	7,003,095	6,284,679	6,284,679
51231 Pension Contributions-Defined Contribution Plan	1,221,462	1,502,057	1,919,857	1,405,173	1,064,238	1,063,912	1,063,912
51233 DC Plan-Matching Contributions	-	-	-	351,932	437,954	437,824	437,824
51234 EAP	-	-	10,465	-	-	-	-
<b>Total Personnel Services</b>	<b>\$58,689,296</b>	<b>\$59,906,208</b>	<b>\$65,537,999</b>	<b>\$62,431,389</b>	<b>\$64,867,397</b>	<b>\$66,118,916</b>	<b>\$68,186,026</b>
52010 Fuels,Lubricants,Gases	1,248,670	1,103,998	1,270,323	1,128,490	1,266,643	1,291,976	1,317,815
52020 Motor Vehicle Parts & Equip	413,049	404,389	466,926	463,707	487,305	497,051	506,992
52030 Machinery & Equipment Parts	3,181,264	3,100,558	3,851,525	4,383,352	4,650,484	6,123,605	7,218,188
52040 Machinery & Equipment - Non-Capital	25,736	39,267	33,700	110,557	59,000	60,180	61,384
52050 Construction & Bldg Supplies	2,019,592	1,968,489	2,572,758	2,542,449	2,823,965	2,880,444	2,938,053
52060 Building - Non-Capital	1,600	-	-	-	-	-	-
52070 Hardware	105,546	111,597	137,087	178,197	139,727	142,521	145,371
52080 Hose Supplies	115,402	165,479	191,625	207,060	191,584	195,416	199,324
52090 Electrical Supplies	1,175,503	959,804	1,162,966	1,261,093	1,404,955	1,433,054	1,461,715
52100 Instrument Supplies	662,971	616,392	925,504	848,193	755,529	673,740	590,314
52110 Chemical Supplies	3,456,179	3,089,661	3,729,452	3,712,012	3,625,126	3,697,629	3,771,581
52120 Laboratory Supplies	12,066	9,943	10,900	9,231	11,972	12,211	12,456
52150 Plumbing Supplies	266,616	385,625	371,550	415,245	434,204	442,888	451,746
52160 Paint Supplies	43,876	39,535	59,942	58,512	54,763	55,858	56,975
52170 Safety Supplies	351,623	412,793	542,234	510,922	566,526	577,857	589,414
52220 Janitorial Supplies	94,707	109,667	120,075	126,454	126,705	129,239	131,824
52240 Hand Tools	354,141	417,107	382,080	402,926	385,046	392,747	400,602
52280 Uniforms	267,163	272,268	323,883	326,453	309,383	315,571	321,882
52300 Safety Footwear	105,562	108,523	121,000	128,200	152,750	155,805	158,921
52310 Telephone/Communic Equip/Suppl	9,424	16,882	13,440	19,106	65,368	70,566	71,977

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T6000 - Operations Department**

	<b>Actual FY19</b>	<b>Actual FY20</b>	<b>Budget FY21</b>	<b>Forecast FY21</b>	<b>Budget FY22</b>	<b>Projected FY23</b>	<b>Projected FY24</b>
52320 Office Supplies	24,778	31,574	35,844	35,995	39,094	39,876	40,673
52330 Computer Supplies	46,007	77,880	29,950	32,052	94,100	97,852	99,809
52340 Computer Equipment - Non-Capital	31,377	45,199	98,140	99,643	17,118	52,703	53,757
52360 Grounds Supplies	23,287	17,782	24,592	25,942	27,495	28,045	28,606
52370 Photo & Video Supplies	4,151	6,960	7,550	7,240	7,250	7,395	7,543
52380 Publications/Training Supplies	4,079	2,143	13,086	12,906	8,180	8,344	8,510
52390 Administrative Supplies	8,472	5,954	18,060	20,701	17,760	18,115	18,478
52400 Furniture & Office Equipment - Non-Capital	41,773	28,593	18,750	32,770	23,875	24,353	24,840
52990 Inventory (I/D)	(169,171)	302,366	-	(333,398)	-	-	-
52991 Inventory Obsolescence	(27,465)	(9,448)	-	(24,098)	-	-	-
<b>Total Supplies</b>	<b>\$13,897,976</b>	<b>\$13,840,982</b>	<b>\$16,532,942</b>	<b>\$16,741,913</b>	<b>\$17,745,907</b>	<b>\$19,425,039</b>	<b>\$20,688,750</b>
53060 Electric Usage	12,160,851	12,069,378	12,714,191	11,979,677	12,762,000	13,334,000	12,658,174
53070 Natural Gas Usage	2,607,593	1,879,662	2,502,252	2,457,665	2,275,280	2,343,538	2,413,844
53080 Water Usage	954,026	723,363	808,964	867,649	919,785	984,170	1,053,062
53270 Telephone Usage	243,450	285,135	268,926	298,349	288,101	302,506	317,631
<b>Total Usage</b>	<b>\$15,965,920</b>	<b>\$14,957,538</b>	<b>\$16,294,333</b>	<b>\$15,603,340</b>	<b>\$16,245,166</b>	<b>\$16,964,214</b>	<b>\$16,442,711</b>
54010 Postage	42	-	150	150	130	133	135
54050 Office System Services	26,871	25,894	21,165	22,318	17,083	17,425	17,773
54060 Printing Services	2,981	6,022	6,685	10,810	5,760	5,875	5,993
54100 Travel Expenses	64,986	63,510	124,131	99,415	87,631	89,383	91,171
54140 Training Programs/Seminar Fees	109,657	142,936	152,430	167,941	184,780	188,476	192,245
54141 Required Training Programs	6,024	4,431	-	7,331	30,509	31,119	31,742
54180 Courier And Freight	73,164	63,600	94,412	96,275	103,279	105,345	107,451
54190 Property & Other Space Rental	15,718	16,076	16,620	16,716	17,120	17,462	17,812
54520 Professional Service	767,404	781,453	814,500	1,225,595	944,500	963,390	982,658
54530 Building Repairs & Services	1,339,353	753,736	1,518,679	1,655,119	1,519,490	1,549,880	1,580,877
54540 Janitorial Services	896,945	1,043,350	1,036,280	1,418,263	1,344,594	1,371,486	1,398,916
54550 Grounds Services	853,546	686,201	783,789	762,620	823,167	839,630	856,423
54560 Motor Vehicle Services	346,835	257,807	378,659	344,728	329,700	339,591	349,779
54570 Machinery & Equipment Services	2,668,135	1,606,892	3,492,012	3,512,334	3,380,530	3,448,141	3,517,103
54580 Equipment Rental	539,216	629,684	481,609	626,625	480,923	495,351	510,211
54590 Sewer Rep & Structure Cleaning	1,723,217	1,899,255	1,604,656	1,665,246	1,611,500	1,724,305	1,845,006
54600 Electrical Repair Services	930,408	765,757	1,190,450	1,313,463	1,171,750	1,397,708	1,561,631



**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**FY22 General Fund Budget and Two Year Projection**  
**T6000 - Operations Department**

	Actual FY19	Actual FY20	Budget FY21	Forecast FY21	Budget FY22	Projected FY23	Projected FY24
54610 Instrument Repair Services	277,613	263,124	551,745	323,860	323,929	330,408	337,016
54620 Plumbing Services	305,860	915,028	647,318	761,266	761,854	777,091	792,632
54630 HVAC Services	620,795	378,486	689,504	764,385	510,004	520,204	530,608
54640 Damage Repairs & Services	130	1,066	11,000	11,000	11,000	11,220	11,444
54650 Waste Hauling	1,411,193	1,650,327	1,567,995	1,551,654	1,600,566	1,632,577	1,665,229
54660 Ash Hauling	26,360	338,375	525,600	541,697	1,036,654	1,057,387	1,685,435
54670 Other Governmental Fees	914,266	896,427	1,007,928	1,020,554	1,186,834	1,210,571	1,234,782
54680 Laboratory Testing Services	354,713	374,420	424,170	318,585	377,820	385,376	393,084
54690 Safety Services	73,501	72,618	92,615	77,714	96,237	98,162	100,125
54700 Asbestos Removal Services	25,758	103,761	48,500	43,500	32,500	33,150	33,813
54720 Tree Removal/Weed Spraying	442,069	364,501	423,000	423,000	455,500	464,610	473,902
<b>Total Contractual Services</b>	<b>\$14,816,760</b>	<b>\$14,104,735</b>	<b>\$17,705,604</b>	<b>\$18,782,164</b>	<b>\$18,445,343</b>	<b>\$19,105,454</b>	<b>\$20,324,997</b>
55030 Structural Improvements	2,093,808	202,289	400,000	564,031	125,000	229,500	234,090
55040 Processing Equipment	1,911,892	3,305,464	1,290,400	1,834,651	727,000	945,540	964,451
55050 Auxiliary Equipment	1,058,133	366,018	23,000	(2,798)	188,000	191,760	195,595
55060 Motor Vehicles	3,277,388	2,957,527	3,100,000	3,250,000	3,100,000	3,162,000	3,225,240
55070 Machinery & Implements	732,663	491,848	482,000	195,286	512,000	522,240	532,685
55080 Instruments & Apparatus	167,527	495,176	51,200	26,200	101,200	103,224	105,288
55090 Furniture & Office Equipment	-	-	39,300	39,300	20,000	20,400	20,808
55110 Computer Equipment	119,057	-	55,000	55,000	465,000	474,300	483,786
<b>Total Capital Outlay</b>	<b>\$9,360,468</b>	<b>\$7,818,323</b>	<b>\$5,440,900</b>	<b>\$5,961,670</b>	<b>\$5,238,200</b>	<b>\$5,648,964</b>	<b>\$5,761,943</b>
<b>Total General Fund Operating Expense</b>	<b>\$112,730,420</b>	<b>\$110,627,785</b>	<b>\$121,511,778</b>	<b>\$119,520,476</b>	<b>\$122,542,013</b>	<b>\$127,262,587</b>	<b>\$131,404,428</b>



**FY22 BUDGET**

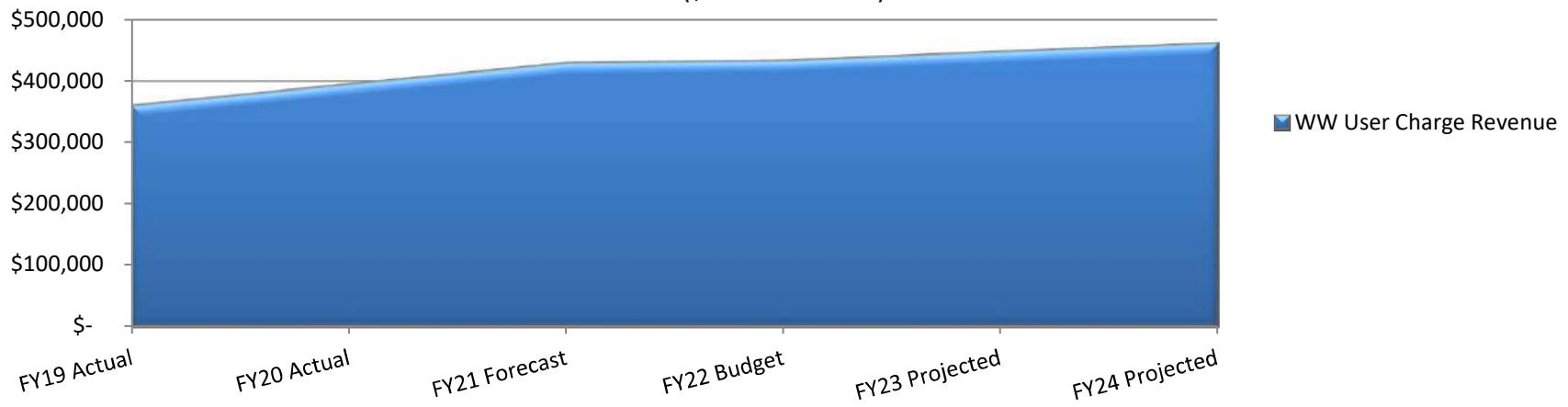


**These funds were established to account for proceeds from the wastewater and stormwater user charges of the District. These revenues provide for the operation, maintenance and improvement of the District's sewer infrastructure. Fund 3306 (Wastewater Revenue Fund) is a major revenue fund.**

## REVENUE FUNDS CONSOLIDATED

### Revenue Trends

(\$s in thousands)



This analysis of MSD's revenue compares actual revenues received in FY19 and FY20, forecasted for FY21, budgeted for FY22 and projected for FY23 and FY24.

All user charge revenue is initially recorded in the Revenue Funds. A portion of the revenue is transferred to the General Fund to cover daily operating, maintenance, and replacement costs, the remainder of the revenue is transferred to the Construction Funds for capital improvement and replacement projects, the Special Funds for the Water Backup Insurance & Reimbursement Program; the General Insurance Fund to cover any expenditure related to workers' compensation, property, general liability, and flood insurance and related expenses; the Wastewater Emergency Fund for possible emergencies; and the Debt Service Fund to retire bonds issued for capital improvements.

FY21 forecast is showing an increase of 8% from FY20. FY21 is the first year of a four year rate cycle of our current rate commission accepted rate increases. Rates for FY21 to FY24 were set by our Board of Trustees based on the Rate Commission Report. The Rate Commission process includes analyzing the historical trends, number of customer accounts and usage, the future requirement for capital and expenditures for operation and maintenance, the debt coverage and the economy as well as possible regulatory requirements. Rate increases in the 3-4% range were also recommended by that report for FY22 through FY24. Declines in volumes and customers have kept revenues from growing at the same pace as the rates. On average, the District currently projects revenue increases of 3% for FY23 & FY24.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
3000 - Revenue Funds

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenues:							
Wastewater User Charge	394,816,893	425,147,699	432,983,891	418,262,021	436,597,999	453,490,523	469,462,050
Stormwater User Charge	(2,852)	(1,801)	-	(924)	-	-	-
<b>Total Revenues</b>	<b>394,814,041</b>	<b>425,145,898</b>	<b>432,983,891</b>	<b>418,261,097</b>	<b>436,597,999</b>	<b>453,490,523</b>	<b>469,462,050</b>
Expenditures:							
<b>Total Expenditures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Net Operating Income (Loss)	394,814,041	425,145,898	432,983,891	418,261,097	436,597,999	453,490,523	469,462,050
Interfund Transfers	(394,814,041)	(425,145,898)	(432,983,891)	(418,261,097)	(436,597,999)	(453,490,523)	(469,462,050)
Increase (Decrease) in Fund Bal.	-	-	-	-	-	-	-
Percentage of Change	0%	0%	0%	0%	0%	0%	0%
<b>FUND BALANCE E.O.P.</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
**3306 - Wastewater Revenue Fund**

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenues:							
Wastewater User Charge	394,816,893	425,147,699	432,983,891	418,262,021	436,597,999	453,490,523	469,462,050
<b>Total Revenues</b>	<b>394,816,893</b>	<b>425,147,699</b>	<b>432,983,891</b>	<b>418,262,021</b>	<b>436,597,999</b>	<b>453,490,523</b>	<b>469,462,050</b>
Expenditures:							
<b>Total Expenditures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Net Operating Income (Loss)	394,816,893	425,147,699	432,983,891	418,262,021	436,597,999	453,490,523	469,462,050
Interfund Transfers	394,816,893	425,147,699	432,983,891	418,262,021	436,597,999	453,490,523	469,462,050
Increase (Decrease) in Fund Bal.	-	-	-	-	-	-	-
<i>Percentage of Change</i>	-	-	-	-	-	-	-
<b>FUND BALANCE E.O.P.</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$0</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
 Projected User Charge Revenue  
**WASTEWATER REVENUE FUND (3306)**  
**FY22 BUDGET**

	Number of Accounts Billed (Annualized)	Projected Annual Volume		Base Charge \$/service	Volume Charge \$/unit	Compliance Charge \$/service	Projected Revenue	Percent of Total
<b>RESIDENTIAL</b>								
Metered Single Family	3,641,460	18,876,642	CCFs	27.31	5.17		\$197,040,512	
Low Income Assistance Credits - Metered	30,468	158,868	CCFs	13.66	2.59		\$826,714	
Unmetered Single Family	665,994			27.31			\$18,188,296	
Rooms Single Family		3,857,340			3.06		\$11,803,460	
Water Closets Single Family		984,924			11.40		\$11,228,134	
Baths Single Family		757,842			9.51		\$7,207,077	
Separate Showers Single Family		138,192			9.51		\$1,314,206	
Customer Assistance Program - Unmetered	14,616	127,848					\$548,585	
Metered MultiFamily	248,112	7,911,694	CCFs	27.31	5.17		\$47,679,397	
Customer Assistance Program - Metered	660	2928	CCFs	13.66	2.59		\$16,581	
Unmetered Multifamily	246,804			27.31			\$6,740,217	
Rooms Multifamily		2,477,826			3.06		\$7,582,148	
Water Closets Multifamily		632,442			11.40		\$7,209,839	
Baths Multifamily		581,532			9.51		\$5,530,369	
Separate Showers Multifamily		28,272			9.51		\$268,867	
Customer Assistance Program - Unmetered	3984	36,756		-	-		\$200,581	
Subtotal: RESIDENTIAL							\$323,384,985	74.0%
<b>NON-RESIDENTIAL</b>								
Compliance 1 and Base	275,172			27.31		4.55	8,766,980	
Compliance 2 and Base	2,712			27.31		63.64	246,656	
Compliance 3 and Base	6,936			27.31		136.37	1,135,284	
Compliance 4 and Base	1,896			27.31		181.83	396,529	
Compliance 5 and Base	1,188			27.31		227.29	302,465	
Total Non-residential Tier Charges	287,904						\$10,847,914	
Volume		18,529,624	CCFs		5.17		95,798,156	
Extra Strength Surcharges								
Suspended Solids over 300 ppm		5,496	Tons		309.88		1,703,100	
BOD's over 300 ppm		4,896	Tons		832.28		4,074,843	
COD's over 600 ppm		1,896	Tons		416.14		789,001	
Subtotal: NON-RESIDENTIAL							\$113,213,014	26.0%
<b>TOTAL WASTEWATER USER CHARGE REVENUE</b>							<u>\$436,597,999</u>	100.0%

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
**3307 - Stormwater Revenue Fund**

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenues:							
Stormwater User Charge	(2,852)	(1,801)	-	(924)	-	-	-
<b>Total Revenues</b>	<b>(2,852)</b>	<b>(1,801)</b>	<b>-</b>	<b>(924)</b>	<b>-</b>	<b>-</b>	<b>-</b>
Expenditures:							
<b>Total Expenditures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Net Operating Income (Loss)	(2,852)	(1,801)	-	(924)	-	-	-
Interfund Transfers	2,852	1,801	-	924	-	-	-
Increase (Decrease) in Fund Bal.	-	-	-	-	-	-	-
<i>Percentage of Change</i>	-	-	-	-	-	-	-
<b>FUND BALANCE E.O.P.</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

\*The Stormwater User Charge was eliminated in FY17 and replaced with a new Stormwater Operation and Maintenance Property Tax approved by the voters in the April 2016 election.





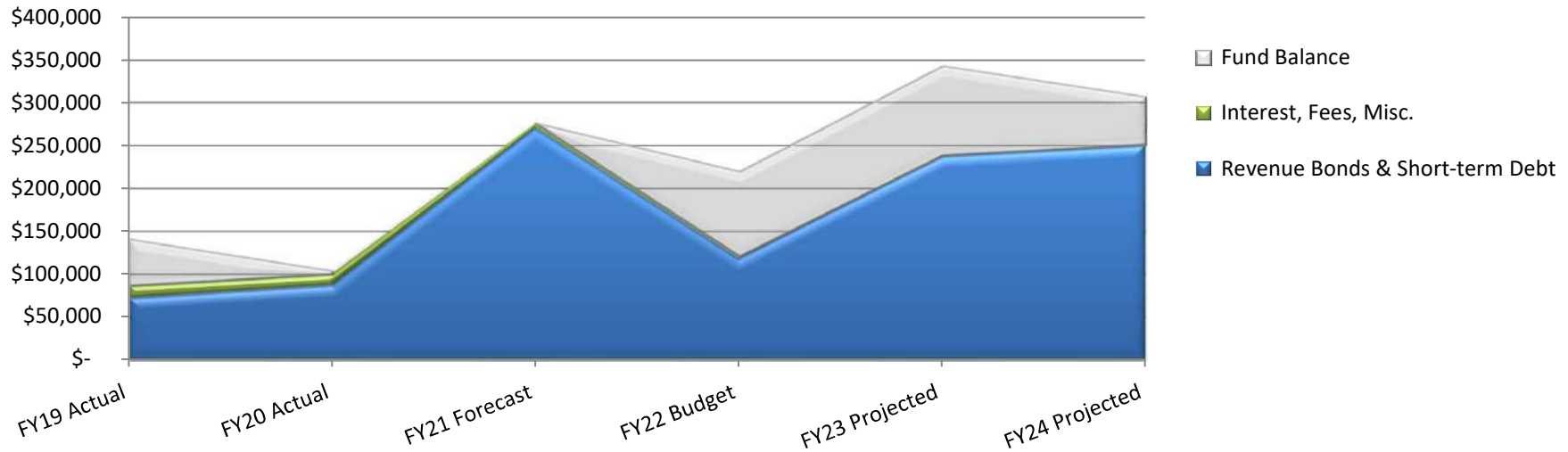
**These funds were established to receive and disburse proceeds from revenue sources for construction of improvements to sewerage and drainage collection systems and treatment facilities.**

**Capital improvement projects are continued from previous budget years due to difficulties in easement acquisitions, permit process, design revisions or special requirements. Funding sources for capital improvement projects are primarily from User Charges, Revenue Bonds, Grants and Investment Income. Fund 6660 (Sanitary Replacement Fund) is a major construction fund.**

## CONSTRUCTION FUNDS CONSOLIDATED

### Revenue Trends

(\$s in thousands)



This analysis of MSD's revenue compares actual revenues received in FY19 and FY20, forecasted for FY21, budgeted for FY22 and projected for FY23 and FY24.

Since February 2004 the voters have authorized the issuance of \$3.12 billion in revenue bonds in order to continue the multi-decade capital needs program for construction of improvements to sewerage collection systems and treatment facilities. The District has \$853.1 million of this authorization available including the recent authorization in FY21 for \$500 million, with plans to issue \$119.0 million in FY22.

The changes to fund balance are the result of timing differences between the issuance of new bonds and the expenditure of those bond proceeds on capital projects. Use of fund balance is considered a revenue for presentation purposes and to balance the budget.

Another significant source of cash flows into this fund group is from the wastewater user charges. This funding source is not represented in this graph because it is originally received into the Wastewater Revenue Fund. However, it is planned to provide financing of \$107 million in FY22 for capital project expenditures.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
6660 Sanitary Replacement Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$242,671,658	\$189,217,709	\$173,927,569	\$186,225,765	\$260,252,059	\$161,860,453	\$58,554,244
Revenue Bonds	72,989,204	88,143,466	165,710,285	270,710,285	119,000,000	237,575,000	250,775,000
Interest on Investments	14,109,848	12,313,505	2,336,998	4,587,914	2,006,500	1,144,900	557,500
Connection and Other Fees	98,198	50,600	-	66,523	-	-	-
Miscellaneous	-	45,122	-	-	-	-	-
<b>Total Revenues</b>	<b>87,197,251</b>	<b>100,552,693</b>	<b>168,047,283</b>	<b>275,364,722</b>	<b>121,006,500</b>	<b>238,719,900</b>	<b>251,332,500</b>
Construction and Engineering	252,977,702	205,321,064	342,743,000	315,405,691	317,932,000	432,029,000	395,032,082
Agency and Other Debt Expense	444,082	484,181	1,313,000	163,000	773,500	1,862,000	2,422,500
Interfund Labor Transfers	7,229,416	7,739,392	7,674,905	5,769,737	7,692,607	8,135,109	8,632,641
<b>Total Expenditures</b>	<b>260,651,200</b>	<b>213,544,637</b>	<b>351,730,905</b>	<b>321,338,428</b>	<b>326,398,107</b>	<b>442,026,109</b>	<b>406,087,223</b>
Net Operating Income (Loss)	(173,453,949)	(112,991,944)	(183,683,621)	(45,973,706)	(205,391,607)	(203,306,209)	(154,754,723)
Interfund Transfers	120,000,000	110,000,000	120,000,000	120,000,000	107,000,000	100,000,000	100,000,000
Increase (Decrease) in Fund Bal.	(53,453,949)	(2,991,944)	(63,683,621)	74,026,294	(98,391,607)	(103,306,209)	(54,754,723)
<i>Percentage of Change</i>	-22%	-2%	-37%	40%	-38%	-64%	-94%
<b>FUND BALANCE E.O.P.</b>	<b>\$189,217,709</b>	<b>\$186,225,765</b>	<b>\$110,243,948</b>	<b>\$260,252,059</b>	<b>\$161,860,453</b>	<b>\$58,554,244</b>	<b>\$3,799,520</b>

**PROJECT LISTING**  
**6660 - SANITARY REPLACEMENT FUND**  
**FY22**

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	Various	\$48,000,000	102
JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)	Unincorporated	\$35,000,000	99
LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$30,000,000	107
DC-02 & DC-03 SANITARY RELIEF (BRENTWOOD BLVD TO CONWAY RD) PHASE III AND PHASE IV	Ladue	\$17,500,000	83
LOWER MERAMEC WWTF - INFLUENT PUMP STATION IMPROVEMENTS	Unincorporated	\$17,500,000	104
DEER CREEK SANITARY TUNNEL (CLAYTON RD TO RDP) - PUMP STATION	Shrewsbury	\$15,000,000	84
BISSELL POINT WWTF TRICKLING FILTER MEDIA REPLACEMENT	St. Louis City	\$11,000,000	72
CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES	Various	\$7,000,000	13
INFRASTRUCTURE REPAIRS (WASTEWATER) (2022)	Various	\$7,000,000	98
HARLEM BADEN RELIEF PHASE IV (HEBERT) - HAMILTON TO DARVER TRUNK SEWER	Various	\$6,000,000	Carryover, no page
GEYER SANITARY RELIEF AND WINDSOR SPRINGS P-521 STORAGE (BIG BEND BLVD TO WINDSOR SPRINGS DR)	Various	\$5,030,000	92
CAULKS CREEK A PUMP STATION (P-750) IMPROVEMENTS	Chesterfield	\$5,000,000	77
CONSTRUCTION MANAGEMENT SERVICES - LOWER MERAMEC AND DEER CREEK TUNNELS	Various	\$4,800,000	12
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT A	Various	\$4,216,000	70
BADEN CITYSHED MITIGATION BASINS (CALVARY, FREDERIK, PARTRIDGE AND TILLIE) - SEPARATION SEWERS	St. Louis City	\$4,000,000	69
MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	Various	\$4,000,000	110
PRICE TO PIONEER SANITARY RELIEF	Olivette	\$4,000,000	113
LOWER MERAMEC WWTF - SOLIDS HANDLING EQUIPMENT REPLACEMENT	Unincorporated	\$3,900,000	105
EASEMENT ACQUISITION FOR WASTEWATER PROJECTS (2022)	Various	\$3,500,000	88
ST. GEORGE CREEK SANITARY RELIEF (DAISY LN TO GRAVOIS RD TO NEW HAMPSHIRE AVE)	Unincorporated	\$3,305,000	117
DOLAN PLACE AND GRANDVIEW PLACE COMBINED SEWER RELIEF	St. Louis City	\$3,000,000	85
HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE IB	Brentwood	\$3,000,000	94
INFRASTRUCTURE REPAIRS (FACILITIES) (2022)	Various	\$3,000,000	95
LEMAY PUBLIC I/I REDUCTION AND REHABILITATION (2022) CONTRACT A	Various	\$2,932,000	100
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT B	Various	\$2,906,000	71
WATKINS CREEK PUMP STATION (P-101) REPLACEMENT	Unincorporated	\$2,900,000	124
CONSTRUCTION MANAGEMENT SERVICES - LOWER AND MIDDLE RDP TUNNEL FACILITIES	Various	\$2,700,000	11
LOWER MERAMEC WWTF CORROSION AND HUMIDITY CONTROL IMPROVEMENTS PHASE II	Unincorporated	\$2,700,000	106
SUB-TRUNK #2 SANITARY RELIEF (BIRMINGHAM CT TO COVE LN)	Unincorporated	\$2,515,000	119
INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT A	Various	\$2,500,000	96
INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT B	Various	\$2,500,000	97
LOUISVILLE AVENUE AND OAKLAND AVENUE COMBINED SEWER RELIEF	St. Louis City	\$2,275,000	101
BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$2,050,000	2
GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2022)	Various	\$2,000,000	22
LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$2,000,000	48
MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	Various	\$2,000,000	109
SUB-TRUNK #3 SANITARY RELIEF (MURIEL DR TO JENNER LN)	Unincorporated	\$1,905,000	120
LOWER MERAMEC WWTF - ADMINISTRATION BUILDING FACILITY IMPROVEMENTS	Unincorporated	\$1,800,000	103
LOWER MERAMEC WWTF FITTING REPLACEMENT	Unincorporated	\$1,800,000	108
EARTH CITY EXPRESSWAY PUMP STATION (P-708) REPLACEMENT	Unincorporated	\$1,700,000	86
NORMANDIE SANITARY RELIEF (PAGE AVE TO SAINT CHARLES ROCK ROAD)	Unincorporated	\$1,661,000	51
COLDWATER SANITARY RELIEF SECTION B, C & D - SECTION B REHABILITATION	Unincorporated	\$1,600,000	80
WATKINS CREEK PUMP STATION (P-101) FORCEMAIN REPLACEMENT (COAL BANK RD TO SPRING GARDEN DR)	St. Louis City	\$1,600,000	123
EARTH CITY UPS PUMP STATION (P-702) REPLACEMENT PHASE II	Unincorporated	\$1,500,000	87
SOUTH BROADWAY AT MERAMEC COMBINED SEWER REPLACEMENT	St. Louis City	\$1,500,000	116
WEBSTER GROVES TRUNK E SANITARY REHABILITATION AND I/I REDUCTION PHASE IV PART 3	Webster Groves	\$1,300,000	Carryover, no page-1
MISSOURI RIVER WWTF DIGESTER GAS STORAGE COVER REPLACEMENT	Maryland Heights	\$1,289,000	111

**PROJECT LISTING**  
**6660 - SANITARY REPLACEMENT FUND**  
**FY22**

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT	Hazelwood	\$1,240,000	75
L51 PUMP STATION FORCEMAIN IMPROVEMENTS	Various	\$1,161,000	42
CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	Northwoods	\$1,084,000	73
CAULKS CREEK PUMP STATION B (P-751) RELOCATION	Chesterfield	\$1,035,000	8
LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$1,000,000	47
SCADA SYSTEM UPGRADE	Various	\$1,000,000	55
SHREWSBURY SANITARY RELIEF SEWER AND I/I REDUCTION (WEIL AVE AND I-44)	Various	\$980,000	115
FENTON CREEK PUMP STATION (P-425) IMPROVEMENTS	Unincorporated	\$930,000	89
SCHUETZ ROAD SANITARY RELIEF (FOREST BROOK LN TO SUNNY WOOD CT)	Unincorporated	\$753,000	114
GRAND GLAIZE TRUNK SANITARY RELIEF (BALLWIN GOLF CLUB TO CLAYMONT COVE CT)	Ballwin	\$740,000	93
LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	Various	\$650,000	46
HARLEM - BADEN RELIEF PHASE IV (HEBERT) BUILDING DEMOLITION AND DESIGN	St. Louis City	\$600,000	39
FF-07 FEE FEE CREEK SANITARY RELIEF (MEADOWSIDE DR TO WILLOW BROOK DR)	Unincorporated	\$600,000	90
ST. JOACHIM'S SANITARY RELIEF (ST. GENEVIEVE LN TO LYNROS DR)	St. Ann	\$550,000	59
MULBERRY CREEK SANITARY RELIEF (HARWICH DR TO S LINDBERGH BLVD)	Crestwood	\$531,000	50
SMITH CREEK LADUE ROAD SANITARY RELIEF (ROYAL MANOR DR TO HEWLETT CT)	Creve Coeur	\$518,000	56
WESTWOOD COUNTRY CLUB SANITARY RELIEF (DEER CREEK TO WESTWOOD CT)	Westwood	\$513,000	66
CLAYTON MERAMEC ELEMENTARY PRIVATE I/I REMOVAL (S. MERAMEC AVE AT WALINCA TER)	Clayton	\$500,000	78
GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT A	Various	\$475,000	24
CSO - SHREWSBURY AVE CSO INTERCEPTOR (I-293)/OUTFALL (L-166) SEWER SEPARATION	Shrewsbury	\$450,000	17
OAKWOOD FARMS PUMP STATION (P-470) ELIMINATION	Ballwin	\$445,000	112
TREVILLIAN 20 AND 50 SANITARY SEWER REPLACEMENT	Various	\$435,000	121
MCCUTCHEON RD AND THORNDILL SANITARY RELIEF	Richmond Heights	\$405,000	49
UPPER FISHPOT EAST SANITARY RELIEF (FIELD AVE TO WOLFF LN)	Ellisville	\$404,000	64
LINDBERGH SANITARY RELIEF (MEADOWSIDE DR TO N LINDBERGH BLVD)	Unincorporated	\$401,000	43
JEFFERSON BARRACKS TUNNEL (LEMAV WWTP TO MARTIGNEY PS)	Unincorporated	\$400,000	41
WOODSON SANITARY RELIEF (FLORA AVE TO LACKLAND RD)	Overland	\$391,000	68
WATKINS-SPANISH SANITARY RELIEF (MALAGA ST TO TRAMPE AVE)	Unincorporated	\$363,000	65
CLARK AVE SANITARY RELIEF (LACLEDE STA RD TO YEATMAN AVE)	Webster Groves	\$323,000	10
HAWTHORNE ESTATES SANITARY RELIEF (RANCH LN TO CLAYTON HILLS LN)	Town and Country	\$319,000	40
ST. MATTHIAS SANITARY RELIEF (ST. SHAWN LN TO STONEHARD DR)	St. Ann	\$306,000	61
FILLMORE PUMP STATION (P-308) REHABILITATION	St. Louis City	\$300,000	20
FISHPOT TRUNK WEST AND ED LOU LANE I/I REDUCTION (SMITH DR AND VLASIS DR)	Ballwin	\$300,000	91
CLAYTON RD 9925 SANITARY SEWER REPLACEMENT	Ladue	\$285,000	79
WASHINGTON TERRACE 14 SEWER REPLACEMENT	St. Louis City	\$279,000	122
LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$270,000	45
GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT B	Various	\$250,000	25
SPIRIT 2 FORCEMAIN IMPROVEMENTS (P-736 TO P-750)	Chesterfield	\$220,000	57
HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE I	Various	\$200,000	38
DANIEL BOONE - LAWNVIEW CREEK I/I REDUCTION	Unincorporated	\$161,000	18
ST. JACQUES SANITARY RELIEF (ST. JACQUES ST TO N LAFAYETTE ST)	Florissant	\$155,000	118
CSO - MARY AVENUE SOUTH OF MANCHESTER CSO INTERCEPTOR (I-132)/OUTFALL (L-106) ELIMINATION PHASE II	Brentwood	\$150,000	16
PUMP STATION REPLACEMENT PROJECTS (PHASE I)	Various	\$150,000	52
SPOEDE ROAD SANITARY SEWER IMPROVEMENTS	Creve Coeur	\$120,000	58
CONWAY ROAD SANITARY RELIEF (CONWAY LN TO DWYER AVE)	Ladue	\$108,000	14
BURNING TREE INFRASTRUCTURE REPAIR (N. WATERFORD DR TO FOX RUN DR)	Florissant	\$103,000	7
ELTORA WET WEATHER STORAGE FACILITY	Pagedale	\$100,000	19
ARV ELLEN SANITARY RELIEF (TESSON CREEK ESTATES DR TO MADAFORD LN)	Unincorporated	\$95,000	1

**PROJECT LISTING**  
**6660 - SANITARY REPLACEMENT FUND**  
**FY22**

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT E	Various	\$87,000	5
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT A	Various	\$85,000	26
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT B	Various	\$85,000	27
GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT C	Various	\$85,000	28
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT D	Various	\$58,000	4
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT F	Various	\$52,000	6
GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2018) CONTRACT B	Various	\$50,000	23
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT A	Various	\$50,000	33
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT B	Various	\$50,000	34
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT C	Various	\$50,000	35
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT D	Various	\$50,000	36
GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT E	Various	\$50,000	37
BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT C	Various	\$48,000	3
<b>NUMBER OF PROJECTS: 108</b>		<b>FUND TOTAL :</b>	
		<u><u>\$317,932,000</u></u>	

(1) The Page refers to the page number in the Budget Supplement Appendix



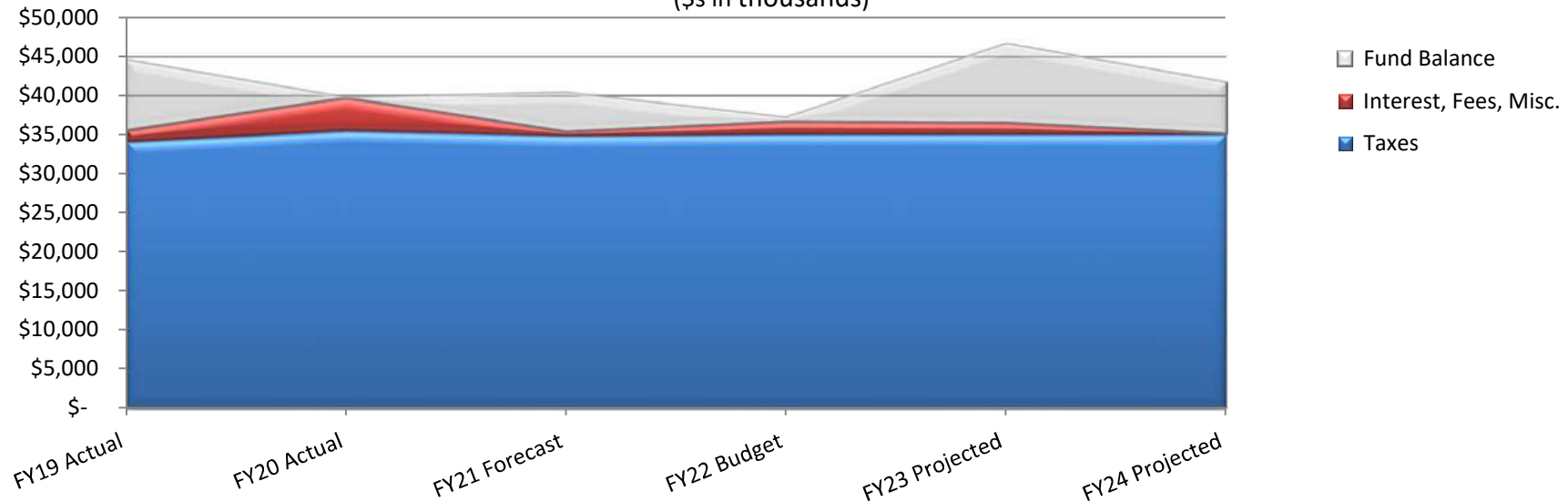
**These funds were established to account for ad valorem taxes. The Stormwater Regulatory Fund, Districtwide Stormwater Fund and the Stormwater Operations and Maintenance Funds are reported in this section and receive, or at one time received, property tax revenues.**

**These funds are primarily stormwater dedicated funds for projects and stormwater operations and maintenance. Fund balances will be spent on either projects or maintenance and operation expense primarily related to Stormwater activities.**

## STORMWATER - FUNDS CONSOLIDATED

### Revenue Trends

(\$s in thousands)



This analysis of MSD's revenue compares actual revenues received in FY19 and FY20, forecasted for FY21, budgeted for FY22 and projected for FY23 and FY24.

The Stormwater funds acquired revenue through ad valorem taxes for operations of the District's stormwater utility, including stormwater system operation and maintenance, rehabilitation and limited construction of infrastructure and other capital improvements, and an operating reserve. There are currently three of these funds (5110 - Stormwater Regulatory Fund, 5120- Districtwide Stormwater Fund, and 5130 - Stormwater Operations and Maintenance Fund) either collecting tax revenue, using or holding tax revenue balances. Ad valorem taxes based on current property assessed valuation provided by the City of St. Louis and St. Louis County are projected to remain flat through the projections period. The Tax Ordinance found at the back of this book provides more detail about this funding source.

Interest and other miscellaneous revenue contributes small but consistent levels of revenue in these funds with an estimated increase in the Projected Years due to the expected grant funds for reimbursement for stormwater project.

The reduction in fund balance in FY19 through FY23 is due to planned spend down of balances in those funds. However, FY20 actual fund balance increased \$1.3 million resulting from \$2.8 million increase in Miscellaneous Income related to State Grant received.



**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5000 - Stormwater Funds

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$47,175,150	\$38,297,555	\$29,733,982	\$39,636,266	\$34,721,441	\$34,277,961	\$24,304,976
Taxes	34,114,608	35,502,655	34,700,009	34,877,568	35,065,067	35,065,067	35,065,067
Interest on Investments	1,557,530	1,507,265	699,866	631,257	336,000	276,600	198,900
Miscellaneous	-	2,783,095	-	-	1,400,000	1,300,000	-
<b>Total Revenues</b>	<b>35,672,139</b>	<b>39,793,014</b>	<b>35,399,876</b>	<b>35,508,825</b>	<b>36,801,067</b>	<b>36,641,667</b>	<b>35,263,967</b>
Contractual Services	491,904	517,589	520,500	433,841	525,976	525,976	525,976
Construction and Engineering	18,205,267	14,525,641	19,258,000	19,742,707	11,245,000	20,067,000	14,020,000
Interfund Labor Transfers	26,112,260	23,437,995	23,414,363	20,233,388	25,473,570	26,021,676	27,149,328
<b>Total Expenditures</b>	<b>44,809,431</b>	<b>38,481,225</b>	<b>43,192,864</b>	<b>40,409,936</b>	<b>37,244,546</b>	<b>46,614,652</b>	<b>41,695,304</b>
Net Operating Income (Loss)	(9,137,292)	1,311,789	(7,792,988)	(4,901,111)	(443,480)	(9,972,985)	(6,431,337)
Interfund Transfers	259,698	26,922	-	(13,714)	-	-	-
Increase (Decrease) in Fund Bal.	(8,877,595)	1,338,711	(7,792,988)	(4,914,825)	(443,480)	(9,972,985)	(6,431,337)
Percentage of Change	-19%	3%	-26%	-12%	-1%	-29%	-26%
<b>FUND BALANCE E.O.P.</b>	<b>\$38,297,555</b>	<b>\$39,636,266</b>	<b>\$21,940,994</b>	<b>\$34,721,441</b>	<b>\$34,277,961</b>	<b>\$24,304,976</b>	<b>\$17,873,640</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5110 - Stormwater Regulatory Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$9,381,760	\$9,745,602	\$9,806,982	\$9,999,033	\$7,653,222	\$7,256,029	\$6,679,735
Taxes	5,722,127	5,956,229	5,777,286	5,855,302	5,744,132	5,744,132	5,744,132
Interest on Investments	285,874	280,127	177,028	156,586	74,900	70,700	64,800
<b>Total Revenues</b>	<b>6,008,001</b>	<b>6,236,356</b>	<b>5,954,314</b>	<b>6,011,888</b>	<b>5,819,032</b>	<b>5,814,832</b>	<b>5,808,932</b>
Contractual Services	82,589	86,873	86,659	-	86,162	86,162	86,162
Construction and Engineering	225,268	273,532	2,700,000	2,729,950	300,000	300,000	300,000
Interfund Labor Transfers	5,391,963	5,627,455	5,620,408	5,620,408	5,830,062	6,004,964	6,185,113
<b>Total Expenditures</b>	<b>5,699,820</b>	<b>5,987,859</b>	<b>8,407,067</b>	<b>8,350,358</b>	<b>6,216,224</b>	<b>6,391,126</b>	<b>6,571,275</b>
Net Operating Income (Loss)	308,181	248,497	(2,452,753)	(2,338,471)	(397,192)	(576,294)	(762,343)
Interfund Transfers	55,661	4,934	-	(7,340)	-	-	-
Increase (Decrease) in Fund Bal.	363,842	253,431	(2,452,753)	(2,345,811)	(397,192)	(576,294)	(762,343)
<i>Percentage of Change</i>	4%	3%	-25%	-23%	-5%	-8%	-11%
<b>FUND BALANCE E.O.P.</b>	<b>\$9,745,602</b>	<b>\$9,999,033</b>	<b>\$7,354,229</b>	<b>\$7,653,222</b>	<b>\$7,256,029</b>	<b>\$6,679,735</b>	<b>\$5,917,391</b>

**PROJECT LISTING**  
**5110 - STORMWATER REGULATORY FUND**  
**FY22**

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
STORMWATER QUALITY GREEN INFRASTRUCTURE - SMALL GRANT RAINSCAPING PROGRAM	Various	\$200,000	158
GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2021)	Various	\$100,000	142
<b>NUMBER OF PROJECTS: 2</b>	<b>FUND TOTAL:</b>	<b>\$300,000</b>	

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5120 - Districtwide Stormwater Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$27,150,747	\$28,551,953	\$19,926,999	\$29,888,022	\$26,852,078	\$26,805,791	\$17,409,101
Taxes	28,391,181	29,546,426	28,922,723	29,022,266	29,320,935	29,320,935	29,320,935
Interest on Investments	1,156,888	1,227,137	522,839	476,851	261,100	205,900	134,100
Miscellaneous	-	2,783,095	-	-	1,400,000	1,300,000	-
<b>Total Revenues</b>	<b>29,548,069</b>	<b>33,556,658</b>	<b>29,445,562</b>	<b>29,499,117</b>	<b>30,982,035</b>	<b>30,826,835</b>	<b>29,455,035</b>
Contractual Services	409,302	430,717	433,841	433,841	439,814	439,814	439,814
Construction and Engineering	17,479,999	14,252,109	16,558,000	17,012,757	10,945,000	19,767,000	13,720,000
Interfund Labor Transfers	10,257,562	17,495,751	17,793,955	14,908,460	19,643,508	20,016,711	20,964,215
<b>Total Expenditures</b>	<b>28,146,863</b>	<b>32,178,578</b>	<b>34,785,796</b>	<b>32,355,057</b>	<b>31,028,322</b>	<b>40,223,525</b>	<b>35,124,029</b>
Net Operating Income (Loss)	1,401,206	1,378,080	(5,340,234)	(2,855,940)	(46,287)	(9,396,690)	(5,668,994)
Interfund Transfers	-	(42,012)	-	(180,003)	-	-	-
Increase (Decrease) in Fund Bal.	1,401,206	1,336,068	(5,340,234)	(3,035,943)	(46,287)	(9,396,690)	(5,668,994)
Percentage of Change	5%	5%	-27%	-10%	-	-35%	-33%
<b>FUND BALANCE E.O.P.</b>	<b>\$28,551,953</b>	<b>\$29,888,022</b>	<b>\$14,586,765</b>	<b>\$26,852,078</b>	<b>\$26,805,791</b>	<b>\$17,409,101</b>	<b>\$11,740,107</b>

**PROJECT LISTING**  
**5120 - DISTRICTWIDE STORMWATER FUND**  
**FY22**

<u>PROJECT NAME</u>	<u>MUNICIPALITY</u>	<u>COST ESTIMATE</u>	<u>PAGE</u> <sup>(1)</sup>
STORMWATER INFRASTRUCTURE REPAIRS (2022)	Various	\$6,000,000	156
STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2022)	Various	\$2,000,000	157
STORMWATER ASSET INVESTIGATIONS (2022)	Various	\$800,000	145
HALL STREET STORM SEWERS	St. Louis City	\$500,000	144
WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT	Unincorporated	\$395,000	161
DEKAMAY DRIVE STORM SEWER (MGJB-130)	Unincorporated	\$355,000	149
CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	Northwoods	\$320,000	74
BROADHEAD #921 STORM SEWER	Unincorporated	\$265,000	146
ORCHARD AND WINDSOR LANE STORM SEWER	Kirkwood	\$250,000	153
CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT	Hazelwood	\$60,000	76
<b>NUMBER OF PROJECTS: 10</b>		<b>FUND TOTAL :</b>	<b><u>\$10,945,000</u></b>

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5130 - Stormwater Operations and Maintenance Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$10,642,643	-	\$0	\$(250,789)	\$216,141	\$216,141	\$216,141
Taxes	1,300	-	-	-	-	-	-
Interest on Investments	114,768	-	-	(2,180)	-	-	-
<b>Total Revenues</b>	<b>116,068</b>	-	-	<b>(2,180)</b>	-	-	-
Contractual Services	13	-	-	-	-	-	-
Construction and Engineering	500,000	-	-	-	-	-	-
Interfund Labor Transfers	10,462,735	314,789	-	(295,480)	-	-	-
<b>Total Expenditures</b>	<b>10,962,748</b>	<b>314,789</b>	-	<b>(295,480)</b>	-	-	-
Net Operating Income (Loss)	(10,846,680)	(314,789)	-	293,300	-	-	-
Interfund Transfers	204,037	64,000	-	173,630	-	-	-
Increase (Decrease) in Fund Bal.	(10,642,643)	(250,789)	-	466,929	-	-	-
Percentage of Change	-100%	-	-	-186%	-	-	-
<b>FUND BALANCE E.O.P.</b>	<b>-</b>	<b>\$(250,789)</b>	<b>\$0</b>	<b>\$216,141</b>	<b>\$216,141</b>	<b>\$216,141</b>	<b>\$216,141</b>

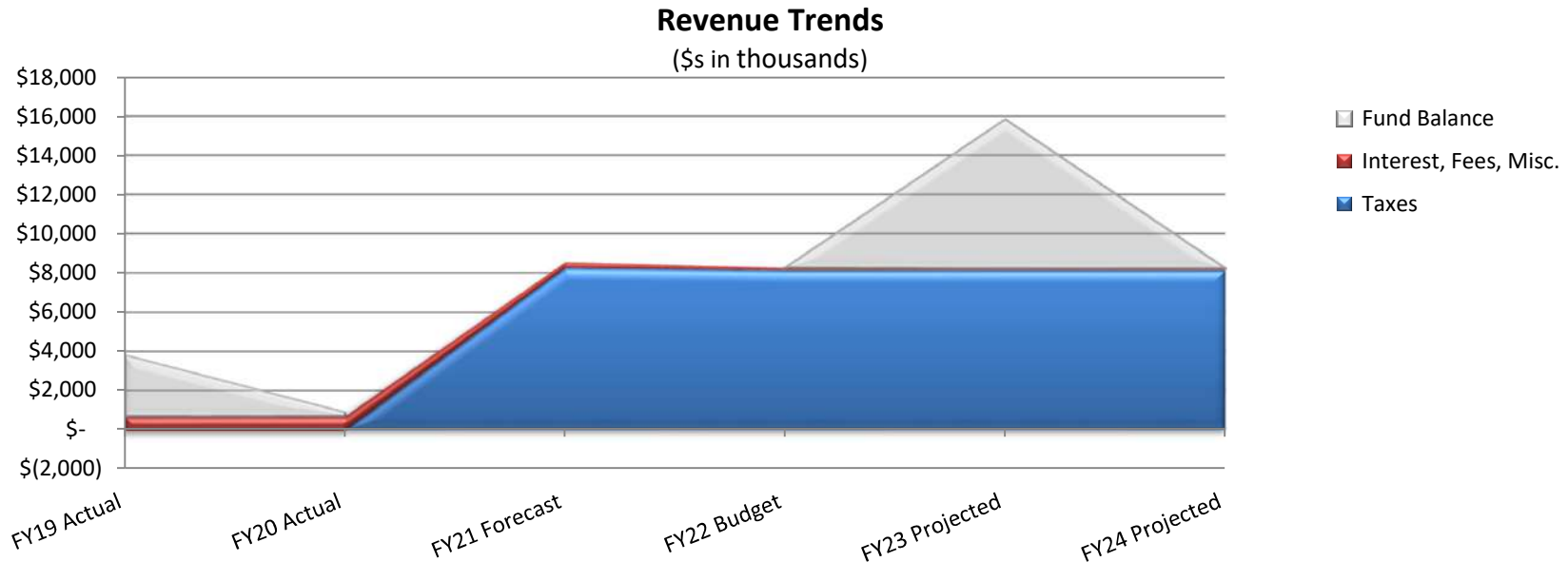


## **OPERATION, MAINTENANCE and CONSTRUCTION IMPROVEMENT FUNDS**

**These funds were established to account for proceeds from tax levies. Expenditures are primarily for stormwater sewer improvements and stormwater maintenance and operation.**

**Taxes collected in the various subdistricts must be spent within the subdistrict. Effective in 2016 all subdistrict tax rates were voluntarily set to zero. Beginning in FY21, tax rates in six of the subdistricts will no longer be reduced to zero, so stormwater projects can be started. Fund balances will be spent on either projects or maintenance and operation expense in the respective subdistricts.**

## OPERATION, MAINTENANCE AND CONSTRUCTION IMPROVEMENT FUNDS CONSOLIDATED



This analysis of MSD's revenue compares actual revenues received in FY19 and FY20, forecasted for FY21, budgeted for FY22 and projected for FY23 and FY24.

This graph only includes Operation, Maintenance and Construction Improvement funds, and they receive, or at one time received, property tax revenues. There are currently 15 of these funds either collecting tax revenue, using or holding tax revenue balances. Stormwater capital projects are largely funded through prior year taxes collected and held in fund balances. Ad valorem taxes based on current property assessed valuation provided by the City of St. Louis and St. Louis County are projected to remain flat through the projections period. In FY17, the OMCI funds' tax rates were set to zero, and a new Stormwater Operations and Maintenance Property Tax, approved by voters in April 2016, was levied to collect taxes in the Districtwide Stormwater Fund for the first time. In FY20 six of the subdistricts restarted tax assessment to assist with projects required in their area amounting to \$8,108,876 dollars at varying rates from 4.5 to 10 cents per \$100 assessed valuation. The tax ordinance found at the back of this book provides more detail about this funding source.

Interest and other miscellaneous revenue contributes small but consistent levels of revenue in these funds, but it is expected to decline as fund balances in the subdistricts' funds are depleted.

The reduction in fund balance in FY19 through FY20 is due to spend down of balances in those funds where tax rates were set to zero. Forecast FY21 and Budget FY22 result in an increase in fund balance which will be largely spent down in FY23 Projected with FY24 Projecting an increase in fund balance.



**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5000 - OMCI Funds

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$14,772,435	\$11,681,406	\$9,956,946	\$11,510,403	\$13,705,685	\$15,098,139	\$7,500,934
Taxes	(26,605)	(20,696)	7,964,268	8,240,035	8,108,876	8,108,876	8,108,876
Interest on Investments	706,732	531,301	170,887	279,367	135,700	106,400	104,400
Connection and Other Fees	-	16,818	-	1,550	-	-	-
Miscellaneous	1,343	157,744	-	1,415	-	-	-
<b>Total Revenues</b>	<b>681,469</b>	<b>685,166</b>	<b>8,135,155</b>	<b>8,522,367</b>	<b>8,244,576</b>	<b>8,215,276</b>	<b>8,213,276</b>
Contractual Services	2,879	157	119,464	119,464	121,633	121,633	121,633
Construction and Engineering	3,261,749	344,499	7,045,710	5,929,624	5,543,522	14,245,522	1,492,000
Interfund Labor Transfers	500,845	488,620	1,105,789	277,997	1,186,967	1,445,326	1,147,184
<b>Total Expenditures</b>	<b>3,765,473</b>	<b>833,276</b>	<b>8,270,963</b>	<b>6,327,085</b>	<b>6,852,122</b>	<b>15,812,482</b>	<b>2,760,818</b>
Net Operating Income (Loss)	(3,084,004)	(148,110)	(135,808)	2,195,282	1,392,454	(7,597,205)	5,452,459
Interfund Transfers	(7,026)	(22,892)	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(3,091,029)	(171,003)	(135,808)	2,195,282	1,392,454	(7,597,205)	5,452,459
<i>Percentage of Change</i>	-21%	-1%	-1%	19%	10%	-50%	73%
<b>FUND BALANCE E.O.P.</b>	<b>\$11,681,406</b>	<b>\$11,510,403</b>	<b>\$9,821,138</b>	<b>\$13,705,685</b>	<b>\$15,098,139</b>	<b>\$7,500,934</b>	<b>\$12,953,393</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5401 - Bond Place Special Taxing Subdistrict

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$68,818	\$63,698	\$66,832	\$42,826	\$45,173	\$45,673	\$46,173
Interest on Investments	563	814	1,347	932	500	500	500
Miscellaneous	1,343	1,206	-	1,415	-	-	-
<b>Total Revenues</b>	<b>1,906</b>	<b>2,020</b>	<b>1,347</b>	<b>2,347</b>	<b>500</b>	<b>500</b>	<b>500</b>
<b>Total Expenditures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Net Operating Income (Loss)	1,906	2,020	1,347	2,347	500	500	500
Interfund Transfers	(7,026)	(22,892)	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(5,120)	(20,872)	1,347	2,347	500	500	500
<i>Percentage of Change</i>	-7%	-33%	2%	5%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$63,698</b>	<b>\$42,826</b>	<b>\$68,179</b>	<b>\$45,173</b>	<b>\$45,673</b>	<b>\$46,173</b>	<b>\$46,673</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5563 - Clayton Central OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$1,945,502	\$2,010,853	\$2,026,334	\$2,074,740	\$2,107,514	\$1,965,591	\$295,754
Taxes	(635)	0	-	(1)	-	-	-
Interest on Investments	65,976	63,887	40,441	44,492	12,400	3,400	2,600
<b>Total Revenues</b>	<b>65,341</b>	<b>63,887</b>	<b>40,441</b>	<b>44,491</b>	<b>12,400</b>	<b>3,400</b>	<b>2,600</b>
Contractual Services	(10)	-	-	-	-	-	-
Construction and Engineering	-	-	-	-	-	1,590,000	-
Interfund Labor Transfers	-	-	11,717	11,717	154,324	83,237	64,383
<b>Total Expenditures</b>	<b>(10)</b>	<b>-</b>	<b>11,717</b>	<b>11,717</b>	<b>154,324</b>	<b>1,673,237</b>	<b>64,383</b>
Net Operating Income (Loss)	65,351	63,887	28,725	32,775	(141,924)	(1,669,837)	(61,783)
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	65,351	63,887	28,725	32,775	(141,924)	(1,669,837)	(61,783)
<i>Percentage of Change</i>	3%	3%	1%	2%	-7%	-85%	-21%
<b>FUND BALANCE E.O.P.</b>	<b>\$2,010,853</b>	<b>\$2,074,740</b>	<b>\$2,055,059</b>	<b>\$2,107,514</b>	<b>\$1,965,591</b>	<b>\$295,754</b>	<b>\$233,972</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5564 - Coldwater Creek OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$120,842	\$182,825	\$251,288	\$408,437	\$1,673,528	\$2,455,991	\$1,249,459
Taxes	(11,805)	(6,448)	1,991,768	2,150,407	2,024,681	2,024,681	2,024,681
Interest on Investments	34,842	25,944	12,646	18,984	20,600	18,400	21,100
<b>Total Revenues</b>	<b>23,038</b>	<b>19,496</b>	<b>2,004,414</b>	<b>2,169,391</b>	<b>2,045,281</b>	<b>2,043,081</b>	<b>2,045,781</b>
Contractual Services	1,652	46	29,877	29,877	30,370	30,370	30,370
Construction and Engineering	(123,130)	(234,255)	1,148,884	858,381	1,076,519	2,928,519	-
Interfund Labor Transfers	82,532	28,094	100,756	16,043	155,928	290,724	238,843
<b>Total Expenditures</b>	<b>(38,946)</b>	<b>(206,115)</b>	<b>1,279,517</b>	<b>904,300</b>	<b>1,262,818</b>	<b>3,249,613</b>	<b>269,213</b>
Net Operating Income (Loss)	61,984	225,611	724,897	1,265,091	782,463	(1,206,533)	1,776,568
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	61,984	225,611	724,897	1,265,091	782,463	(1,206,533)	1,776,568
<i>Percentage of Change</i>	<i>51%</i>	<i>123%</i>	<i>288%</i>	<i>310%</i>	<i>47%</i>	<i>-49%</i>	<i>142%</i>
<b>FUND BALANCE E.O.P.</b>	<b>\$182,825</b>	<b>\$408,437</b>	<b>\$976,185</b>	<b>\$1,673,528</b>	<b>\$2,455,991</b>	<b>\$1,249,459</b>	<b>\$3,026,026</b>

**PROJECT LISTING**  
**5564 - COLDWATER CREEK OMCI FUND**  
**FY22**

<u><b>PROJECT NAME</b></u>	<u><b>MUNICIPALITY</b></u>	<u><b>COST ESTIMATE</b></u>	<u><b>PAGE</b></u> <sup>(1)</sup>
COLDWATER CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$1,076,519	147
<b>NUMBER OF PROJECTS: 1</b>		<b>FUND TOTAL:</b>	
		<u><u><b>\$1,076,519</b></u></u>	

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5565 - Creve Coeur Frontenac OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$145,391	\$153,065	\$154,883	\$204,524	\$209,091	\$202,856	\$124,856
Taxes	(588)	0	-	(1)	-	-	-
Interest on Investments	12,797	6,048	3,021	4,568	2,100	2,000	2,100
<b>Total Revenues</b>	<b>12,209</b>	<b>6,047</b>	<b>3,021</b>	<b>4,567</b>	<b>2,100</b>	<b>2,000</b>	<b>2,100</b>
Contractual Services	(7)	-	-	-	-	-	-
Construction and Engineering	-	(46,756)	-	-	-	80,000	-
Interfund Labor Transfers	4,541	1,345	8,847	-	8,336	-	-
<b>Total Expenditures</b>	<b>4,534</b>	<b>(45,411)</b>	<b>8,847</b>	<b>-</b>	<b>8,336</b>	<b>80,000</b>	<b>-</b>
Net Operating Income (Loss)	7,674	51,459	(5,826)	4,567	(6,236)	(78,000)	2,100
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	7,674	51,459	(5,826)	4,567	(6,236)	(78,000)	2,100
<i>Percentage of Change</i>	5%	34%	-4%	2%	-3%	-38%	2%
<b>FUND BALANCE E.O.P.</b>	<b>\$153,065</b>	<b>\$204,524</b>	<b>\$149,057</b>	<b>\$209,091</b>	<b>\$202,856</b>	<b>\$124,856</b>	<b>\$126,956</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5566 - Deer Creek OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$5,619,427	\$4,806,763	\$3,070,285	\$3,391,840	\$3,713,260	\$4,522,657	\$1,139,623
Taxes	(6,046)	(3,689)	3,853,790	3,909,005	3,895,713	3,895,713	3,895,713
Interest on Investments	217,378	174,467	42,067	84,594	41,200	28,200	27,700
<b>Total Revenues</b>	<b>211,331</b>	<b>170,777</b>	<b>3,895,857</b>	<b>3,993,598</b>	<b>3,936,913</b>	<b>3,923,913</b>	<b>3,923,413</b>
Contractual Services	243	12	57,807	57,807	58,436	58,436	58,436
Construction and Engineering	953,733	1,405,159	3,858,895	3,450,614	2,557,164	6,532,164	-
Interfund Labor Transfers	70,020	180,529	587,326	163,758	511,916	716,347	570,159
<b>Total Expenditures</b>	<b>1,023,995</b>	<b>1,585,700</b>	<b>4,504,028</b>	<b>3,672,179</b>	<b>3,127,515</b>	<b>7,306,947</b>	<b>628,595</b>
Net Operating Income (Loss)	(812,664)	(1,414,923)	(608,171)	321,419	809,398	(3,383,034)	3,294,818
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(812,664)	(1,414,923)	(608,171)	321,419	809,398	(3,383,034)	3,294,818
<i>Percentage of Change</i>	<i>-14%</i>	<i>-29%</i>	<i>-20%</i>	<i>9%</i>	<i>22%</i>	<i>-75%</i>	<i>289%</i>
<b>FUND BALANCE E.O.P.</b>	<b>\$4,806,763</b>	<b>\$3,391,840</b>	<b>\$2,462,115</b>	<b>\$3,713,260</b>	<b>\$4,522,657</b>	<b>\$1,139,623</b>	<b>\$4,434,442</b>

**PROJECT LISTING**  
**5566 - DEER CREEK OMCI FUND**  
**FY22**

<u><b>PROJECT NAME</b></u>	<u><b>MUNICIPALITY</b></u>	<u><b>COST ESTIMATE</b></u>	<u><b>PAGE</b></u> <sup>(1)</sup>
DEER CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$1,958,164	148
EASEMENT ACQUISITION FOR DEER CREEK OMCI PROJECTS (2021)	Various	\$350,000	150
TIMBER TRAIL - BRIAR RIDGE CHANNEL IMPROVEMENTS	Frontenac	\$249,000	Carryover, no page
<b>NUMBER OF PROJECTS: 3</b>		<b>FUND TOTAL :</b>	<b><u><u>\$2,557,164</u></u></b>

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**Note :** Projects funded in stormwater fund (5566) have split funding with fund 6660 because they have both wastewater and stormwater components.



**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5571 - Gravois Creek OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$1,329,160	\$946,078	\$885,638	\$913,474	\$858,984	\$518,235	\$397,768
Taxes	(3,289)	(1,874)	-	(2,535)	-	-	-
Interest on Investments	69,798	47,384	17,383	21,408	6,900	5,100	4,900
<b>Total Revenues</b>	<b>66,509</b>	<b>45,511</b>	<b>17,383</b>	<b>18,873</b>	<b>6,900</b>	<b>5,100</b>	<b>4,900</b>
Contractual Services	149	5	-	-	-	-	-
Construction and Engineering	382,568	(3,585)	-	47,577	280,000	100,000	-
Interfund Labor Transfers	66,873	81,695	41,606	25,785	67,649	25,567	12,301
<b>Total Expenditures</b>	<b>449,591</b>	<b>78,115</b>	<b>41,606</b>	<b>73,363</b>	<b>347,649</b>	<b>125,567</b>	<b>12,301</b>
Net Operating Income (Loss)	(383,082)	(32,604)	(24,223)	(54,490)	(340,749)	(120,467)	(7,401)
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(383,082)	(32,604)	(24,223)	(54,490)	(340,749)	(120,467)	(7,401)
<i>Percentage of Change</i>	-29%	-3%	-3%	-6%	-40%	-23%	-2%
<b>FUND BALANCE E.O.P.</b>	<b>\$946,078</b>	<b>\$913,474</b>	<b>\$861,415</b>	<b>\$858,984</b>	<b>\$518,235</b>	<b>\$397,768</b>	<b>\$390,367</b>

**PROJECT LISTING  
5571 - GRAVOIS CREEK OMCI FUND  
FY22**

<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b> <sup>(1)</sup>
RECO AVENUE BANK STABILIZATION	Crestwood	\$250,000	154
GRAVOIS CREEK OMCI STORMWATER DESIGN (CONTRACT F)	Various	\$30,000	143
<b>NUMBER OF PROJECTS: 2</b>		<b>FUND TOTAL:</b>	
		<b>\$280,000</b>	

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5574 - Loretta Joplin OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$417,968	\$264,100	\$263,781	\$268,227	\$271,777	\$267,944	\$268,114
Taxes	91	(100)	-	3	-	-	-
Interest on Investments	11,412	7,873	5,202	5,580	2,700	2,700	2,700
<b>Total Revenues</b>	<b>11,504</b>	<b>7,774</b>	<b>5,202</b>	<b>5,582</b>	<b>2,700</b>	<b>2,700</b>	<b>2,700</b>
Contractual Services	10	-	-	-	-	-	-
Construction and Engineering	145,000	-	-	-	-	-	-
Interfund Labor Transfers	20,362	3,646	6,934	2,032	6,533	2,530	-
<b>Total Expenditures</b>	<b>165,372</b>	<b>3,647</b>	<b>6,934</b>	<b>2,032</b>	<b>6,533</b>	<b>2,530</b>	<b>-</b>
Net Operating Income (Loss)	(153,868)	4,127	(1,732)	3,550	(3,833)	170	2,700
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(153,868)	4,127	(1,732)	3,550	(3,833)	170	2,700
<i>Percentage of Change</i>	-37%	2%	-1%	1%	-1%	-	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$264,100</b>	<b>\$268,227</b>	<b>\$262,049</b>	<b>\$271,777</b>	<b>\$267,944</b>	<b>\$268,114</b>	<b>\$270,814</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5576 - Maline Creek OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$221,138	\$142,840	\$188,738	\$181,076	\$665,090	\$1,254,375	\$712,114
Taxes	(2,125)	(3,721)	680,845	647,865	697,749	697,749	697,749
Interest on Investments	24,106	13,930	7,851	11,344	9,600	9,800	10,100
<b>Total Revenues</b>	<b>21,981</b>	<b>10,209</b>	<b>688,696</b>	<b>659,209</b>	<b>707,349</b>	<b>707,549</b>	<b>707,849</b>
Contractual Services	489	47	10,213	10,213	10,466	10,466	10,466
Construction and Engineering	43,970	(53,627)	140,000	139,995	80,000	1,150,000	-
Interfund Labor Transfers	55,819	25,553	24,988	24,988	27,598	89,344	75,923
<b>Total Expenditures</b>	<b>100,279</b>	<b>(28,027)</b>	<b>175,200</b>	<b>175,195</b>	<b>118,064</b>	<b>1,249,810</b>	<b>86,389</b>
Net Operating Income (Loss)	(78,298)	38,236	513,495	484,014	589,285	(542,261)	621,460
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(78,298)	38,236	513,495	484,014	589,285	(542,261)	621,460
<i>Percentage of Change</i>	-35%	27%	272%	267%	89%	-43%	87%
<b>FUND BALANCE E.O.P.</b>	<b>\$142,840</b>	<b>\$181,076</b>	<b>\$702,233</b>	<b>\$665,090</b>	<b>\$1,254,375</b>	<b>\$712,114</b>	<b>\$1,333,574</b>

**PROJECT LISTING  
5576 - MALINE CREEK OMCI FUND  
FY22**

<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b> <sup>(1)</sup>
EASEMENT ACQUISITION FOR MALINE OMCI PROJECTS (2021)	Various	\$80,000	151
<b>NUMBER OF PROJECTS: 1</b>		<b>FUND TOTAL :</b>	
		<u><u>\$80,000</u></u>	

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5583 - Sugar Creek OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$855,874	\$296,927	-	\$57,073	\$283,853	\$372,207	\$487,704
Taxes	(212)	(175)	287,884	298,947	296,079	296,079	296,079
Interest on Investments	29,260	7,080	883	6,346	3,200	4,200	6,100
<b>Total Revenues</b>	<b>29,048</b>	<b>6,905</b>	<b>288,767</b>	<b>305,293</b>	<b>299,279</b>	<b>300,279</b>	<b>302,179</b>
Contractual Services	9	0	4,318	4,318	4,441	4,441	4,441
Construction and Engineering	561,620	210,643	143,942	70,478	149,498	149,498	-
Interfund Labor Transfers	26,366	36,116	71,991	3,718	56,985	30,842	16,561
<b>Total Expenditures</b>	<b>587,995</b>	<b>246,759</b>	<b>220,251</b>	<b>78,514</b>	<b>210,925</b>	<b>184,781</b>	<b>21,002</b>
Net Operating Income (Loss)	(558,946)	(239,854)	68,515	226,780	88,354	115,497	281,177
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(558,946)	(239,854)	68,515	226,780	88,354	115,497	281,177
<i>Percentage of Change</i>	-65%	-81%	-	397%	31%	31%	58%
<b>FUND BALANCE E.O.P.</b>	<b>\$296,927</b>	<b>\$57,073</b>	<b>\$68,515</b>	<b>\$283,853</b>	<b>\$372,207</b>	<b>\$487,704</b>	<b>\$768,881</b>

**PROJECT LISTING**  
**5583 - SUGAR CREEK OMCI FUND**  
**FY22**

<u><b>PROJECT NAME</b></u>	<u><b>MUNICIPALITY</b></u>	<u><b>COST ESTIMATE</b></u>	<u><b>PAGE</b></u> <sup>(1)</sup>
SUGAR CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$149,498	159
<b>NUMBER OF PROJECTS: 1</b>		<b>FUND TOTAL:</b>	
		<u><u>\$149,498</u></u>	

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5584 - University City OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$2,225,092	\$946,156	\$1,093,310	\$920,313	\$611,388	\$601,951	\$42,073
Taxes	509	(3,132)	906,310	988,080	947,642	947,642	947,642
Interest on Investments	120,006	89,296	-	15,575	5,900	3,800	4,900
<b>Total Revenues</b>	<b>120,515</b>	<b>86,163</b>	<b>906,310</b>	<b>1,003,655</b>	<b>953,542</b>	<b>951,442</b>	<b>952,542</b>
Contractual Services	256	24	13,595	13,595	14,215	14,215	14,215
Construction and Engineering	1,265,000	(3,128)	1,632,154	1,277,444	790,049	1,321,049	-
Interfund Labor Transfers	134,196	115,110	215,853	21,541	158,716	176,057	132,170
<b>Total Expenditures</b>	<b>1,399,452</b>	<b>112,006</b>	<b>1,861,601</b>	<b>1,312,580</b>	<b>962,980</b>	<b>1,511,320</b>	<b>146,385</b>
Net Operating Income (Loss)	(1,278,936)	(25,843)	(955,291)	(308,924)	(9,438)	(559,878)	806,158
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(1,278,936)	(25,843)	(955,291)	(308,924)	(9,438)	(559,878)	806,158
<i>Percentage of Change</i>	-57%	-3%	-87%	-34%	-2%	-93%	1,916%
<b>FUND BALANCE E.O.P.</b>	<b>\$946,156</b>	<b>\$920,313</b>	<b>\$138,019</b>	<b>\$611,388</b>	<b>\$601,951</b>	<b>\$42,073</b>	<b>\$848,231</b>



**PROJECT LISTING**  
**5584 - UNIVERSITY CITY OMCI FUND**  
**FY22**

<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b> <sup>(1)</sup>
UNIVERSITY CITY OMCI REIMBURSEMENTS PROGRAM	Various	\$495,049	160
SIMS AVE STORM BUYOUT	Overland	\$200,000	Carryover, no page
EASEMENT ACQUISITION FOR UNIVERSITY CITY OMCI PROJECTS (2021)	Various	\$95,000	152
<b>NUMBER OF PROJECTS: 3</b>		<b>FUND TOTAL:</b>	
		<b>\$790,049</b>	

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5587 - Watkins Creek OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$461,461	\$465,609	\$476,455	\$476,022	\$486,323	\$2,523	\$2,523
Taxes	523	(736)	-	50	-	-	-
Interest on Investments	22,234	20,274	9,527	10,251	2,200	-	-
<b>Total Revenues</b>	<b>22,757</b>	<b>19,538</b>	<b>9,527</b>	<b>10,301</b>	<b>2,200</b>	<b>-</b>	<b>-</b>
Contractual Services	99	12	-	-	-	-	-
Construction and Engineering	-	-	-	-	486,000	-	-
Interfund Labor Transfers	18,510	9,114	-	-	-	-	-
<b>Total Expenditures</b>	<b>18,609</b>	<b>9,126</b>	<b>-</b>	<b>-</b>	<b>486,000</b>	<b>-</b>	<b>-</b>
Net Operating Income (Loss)	4,148	10,413	9,527	10,301	(483,800)	-	-
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	4,148	10,413	9,527	10,301	(483,800)	-	-
<i>Percentage of Change</i>	1%	2%	2%	2%	-99%	-	-
<b>FUND BALANCE E.O.P.</b>	<b>\$465,609</b>	<b>\$476,022</b>	<b>\$485,982</b>	<b>\$486,323</b>	<b>\$2,523</b>	<b>\$2,523</b>	<b>\$2,523</b>

**PROJECT LISTING  
5587 - WATKINS CREEK OMCI FUND  
FY22**

<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b> <sup>(1)</sup>
WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT	Unincorporated	\$486,000	162
<b>NUMBER OF PROJECTS: 1</b>		<b>FUND TOTAL :</b>	
		<b>\$486,000</b>	

**(1)** The Page refers to the page number in the Budget Supplement Appendix

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5589 - Wellston OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$204,897	\$210,298	\$213,837	\$215,525	\$219,614	\$221,814	\$224,014
Taxes	(313)	(486)	-	(366)	-	-	-
Interest on Investments	5,886	5,722	4,281	4,455	2,200	2,200	2,300
<b>Total Revenues</b>	<b>5,573</b>	<b>5,236</b>	<b>4,281</b>	<b>4,089</b>	<b>2,200</b>	<b>2,200</b>	<b>2,300</b>
Contractual Services	25	9	-	-	-	-	-
Interfund Labor Transfers	148	-	-	-	-	-	-
<b>Total Expenditures</b>	<b>172</b>	<b>9</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Net Operating Income (Loss)	5,401	5,227	4,281	4,089	2,200	2,200	2,300
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	5,401	5,227	4,281	4,089	2,200	2,200	2,300
<i>Percentage of Change</i>	3%	2%	2%	2%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$210,298</b>	<b>\$215,525</b>	<b>\$218,118</b>	<b>\$219,614</b>	<b>\$221,814</b>	<b>\$224,014</b>	<b>\$226,314</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5590 - Mo River Bonfil Subd #448 OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$651,033	\$695,812	\$718,760	\$1,656,566	\$1,690,978	\$1,707,978	\$1,679,465
Taxes	(1,269)	53	-	-	-	-	-
Interest on Investments	47,294	44,818	14,364	34,412	17,000	16,900	9,300
<b>Total Revenues</b>	<b>46,025</b>	<b>44,871</b>	<b>14,364</b>	<b>34,412</b>	<b>17,000</b>	<b>16,900</b>	<b>9,300</b>
Contractual Services	(23)	-	-	-	-	-	-
Construction and Engineering	-	(916,543)	-	-	-	45,000	1,492,000
Interfund Labor Transfers	1,269	661	-	-	-	412	12,831
<b>Total Expenditures</b>	<b>1,246</b>	<b>(915,882)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>45,412</b>	<b>1,504,831</b>
Net Operating Income (Loss)	44,779	960,754	14,364	34,412	17,000	(28,512)	(1,495,531)
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	44,779	960,754	14,364	34,412	17,000	(28,512)	(1,495,531)
<i>Percentage of Change</i>	<i>7%</i>	<i>138%</i>	<i>2%</i>	<i>2%</i>	<i>1%</i>	<i>-2%</i>	<i>-89%</i>
<b>FUND BALANCE E.O.P.</b>	<b>\$695,812</b>	<b>\$1,656,566</b>	<b>\$733,124</b>	<b>\$1,690,978</b>	<b>\$1,707,978</b>	<b>\$1,679,465</b>	<b>\$183,935</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5591 - Meramec River Basin Subd #449 OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$39,189	\$64,687	\$114,488	\$258,801	\$250,433	\$252,933	\$255,433
Taxes	(588)	(6)	-	-	-	-	-
Interest on Investments	20,602	7,357	2,287	5,506	2,500	2,500	2,600
Connection and Other Fees	-	16,818	-	1,550	-	-	-
Miscellaneous	-	156,537	-	-	-	-	-
<b>Total Revenues</b>	<b>20,014</b>	<b>180,706</b>	<b>2,287</b>	<b>7,056</b>	<b>2,500</b>	<b>2,500</b>	<b>2,600</b>
Contractual Services	(15)	-	-	-	-	-	-
Construction and Engineering	(15,424)	(13,408)	-	15,424	-	-	-
Interfund Labor Transfers	9,954	-	-	-	-	-	-
<b>Total Expenditures</b>	<b>(5,485)</b>	<b>(13,408)</b>	<b>-</b>	<b>15,424</b>	<b>-</b>	<b>-</b>	<b>-</b>
Net Operating Income (Loss)	25,498	194,114	2,287	(8,368)	2,500	2,500	2,600
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	25,498	194,114	2,287	(8,368)	2,500	2,500	2,600
<i>Percentage of Change</i>	65%	300%	2%	-3%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$64,687</b>	<b>\$258,801</b>	<b>\$116,775</b>	<b>\$250,433</b>	<b>\$252,933</b>	<b>\$255,433</b>	<b>\$258,033</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5593 - Sem Br Of River Des Peres OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$69,251	\$14,496	\$13,126	\$11,400	\$183,505	\$269,083	\$372,549
Taxes	(174)	(380)	243,671	248,584	247,013	247,013	247,013
Interest on Investments	8,788	3,115	1,229	1,861	2,300	3,200	4,900
<b>Total Revenues</b>	<b>8,614</b>	<b>2,736</b>	<b>244,900</b>	<b>250,445</b>	<b>249,313</b>	<b>250,213</b>	<b>251,913</b>
Contractual Services	15	1	3,655	3,655	3,705	3,705	3,705
Construction and Engineering	53,100	-	121,835	69,710	124,292	124,292	-
Interfund Labor Transfers	10,255	5,831	32,328	4,974	35,738	18,749	13,993
<b>Total Expenditures</b>	<b>63,370</b>	<b>5,832</b>	<b>157,818</b>	<b>78,339</b>	<b>163,735</b>	<b>146,747</b>	<b>17,699</b>
Net Operating Income (Loss)	(54,756)	(3,096)	87,081	172,106	85,578	103,466	234,214
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(54,756)	(3,096)	87,081	172,106	85,578	103,466	234,214
<i>Percentage of Change</i>	-79%	-21%	663%	1,510%	47%	38%	63%
<b>FUND BALANCE E.O.P.</b>	<b>\$14,496</b>	<b>\$11,400</b>	<b>\$100,207</b>	<b>\$183,505</b>	<b>\$269,083</b>	<b>\$372,549</b>	<b>\$606,763</b>

**PROJECT LISTING**  
**5593 - SEM BR OF RIVER DES PERES OMCI FUND**  
**FY22**

<u><b>PROJECT NAME</b></u>	<u><b>MUNICIPALITY</b></u>	<u><b>COST ESTIMATE</b></u>	<u><b>PAGE</b></u> <sup>(1)</sup>
SEMINARY OMCI REIMBURSEMENTS PROGRAM	Various	\$124,292	155
<b>NUMBER OF PROJECTS: 1</b>		<b>FUND TOTAL:</b>	
		<u><u>\$124,292</u></u>	

**(1)** The Page refers to the page number in the Budget Supplement Appendix



**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
5594 - Black Creek Subd #455 OMCI Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$397,393	\$417,199	\$419,191	\$429,561	\$435,174	\$436,330	\$203,313
Taxes	(686)	(2)	-	(4)	-	-	-
Interest on Investments	15,790	13,292	8,358	9,060	4,400	3,500	2,600
<b>Total Revenues</b>	<b>15,104</b>	<b>13,290</b>	<b>8,358</b>	<b>9,056</b>	<b>4,400</b>	<b>3,500</b>	<b>2,600</b>
Contractual Services	(12)	-	-	-	-	-	-
Construction and Engineering	(4,689)	-	-	-	-	225,000	-
Interfund Labor Transfers	-	927	3,443	3,443	3,244	11,517	10,022
<b>Total Expenditures</b>	<b>(4,701)</b>	<b>927</b>	<b>3,443</b>	<b>3,443</b>	<b>3,244</b>	<b>236,517</b>	<b>10,022</b>
Net Operating Income (Loss)	19,806	12,363	4,915	5,613	1,156	(233,017)	(7,422)
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	19,806	12,363	4,915	5,613	1,156	(233,017)	(7,422)
<i>Percentage of Change</i>	5%	3%	1%	1%	-	-53%	-4%
<b>FUND BALANCE E.O.P.</b>	<b>\$417,199</b>	<b>\$429,561</b>	<b>\$424,106</b>	<b>\$435,174</b>	<b>\$436,330</b>	<b>\$203,313</b>	<b>\$195,891</b>



**FY22 BUDGET**



**These funds were established to account for and report principal and interest expenditures and a portion of bond proceeds representing required reserve amounts.**

**In 2004, 2008 and 2012 St. Louis voters authorized the sale of Wastewater Revenue Bonds totaling \$1.72 billion to fund the District's wastewater capital improvement program. In April 2016, voters authorized an additional \$900 million in revenue bonds. In addition, voters authorized an additional \$500 million in revenue bonds in April 2021.**

## DEBT SERVICE FUNDS CONSOLIDATED

### Revenue Trends

(\$s in thousands)



This analysis of MSD's revenue compares actual revenues received in FY19 and FY20, forecasted for FY21, budgeted for FY22 and projected for FY23 and FY24.

The issuance of districtwide revenue bonds is used to fund wastewater capital improvement projects. In FY19 no Revenue Bonds were issued. In FY20 Revenue Bonds represents the bond proceeds from an issuance \$276 million for Senior Revenue Bond related to the refunding of Debt Reserve. Approximately 10% of the proceeds from senior bonds issued were previously required to be placed in reserve in accordance with MSD's bond covenants. Future bond issuances are not expected to have this requirement, therefore anticipated reserve revenue to the Debt Service is not projected.

Interest revenue in these funds is anticipated to be approximately \$500 to \$600 thousand per year, but is not significant enough to appear on the graph.

While the major source of cash inflows to this fund group are from user charge revenue transferred from the Wastewater Revenue Fund to pay principal and interest as it comes due, those inflows are not reflected on this chart since they are originally received into the Wastewater Revenue Fund. The transfer of that money is planned to closely mirror the expenditures for principal and interest on the debt.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2000 - Principal and Interest Funds

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$68,449,815	\$71,177,710	\$81,932,780	\$46,056,843	\$51,533,513	\$52,056,113	\$52,592,613
Revenue Bonds	-	276,258,511	-	-	-	-	-
Interest on Investments	2,677,897	1,747,835	1,488,691	1,386,506	522,600	536,500	550,800
Miscellaneous	164,654	110,728	-	11,129	-	-	-
<b>Total Revenues</b>	<b>2,842,551</b>	<b>278,117,074</b>	<b>1,488,691</b>	<b>1,397,635</b>	<b>522,600</b>	<b>536,500</b>	<b>550,800</b>
Principal Payments	50,907,800	52,587,600	56,629,100	56,629,100	61,157,300	69,637,520	81,463,157
Interest Payments	61,304,335	84,045,981	63,313,972	57,396,738	63,285,283	63,262,197	70,422,795
Agency and Other Debt Expense	1,920,579	278,190,278	2,080,100	1,870,300	2,029,404	2,529,775	2,859,556
<b>Total Expenditures</b>	<b>114,132,715</b>	<b>414,823,859</b>	<b>122,023,172</b>	<b>115,896,137</b>	<b>126,471,987</b>	<b>135,429,492</b>	<b>154,745,508</b>
Net Operating Income (Loss)	(111,290,164)	(136,706,785)	(120,534,481)	(114,498,502)	(125,949,387)	(134,892,992)	(154,194,708)
Interfund Transfers	114,018,058	111,585,919	123,184,944	119,975,172	126,471,987	135,429,492	154,745,508
Increase (Decrease) in Fund Bal.	2,727,894	(25,120,866)	2,650,463	5,476,670	522,600	536,500	550,800
Percentage of Change	4%	-35%	3%	12%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$71,177,710</b>	<b>\$46,056,843</b>	<b>\$84,583,242</b>	<b>\$51,533,513</b>	<b>\$52,056,113</b>	<b>\$52,592,613</b>	<b>\$53,143,413</b>

**Note:** Resolution 3645, adopted on March 11, 2021 was a supplemental appropriations of \$2,048,000 to Fund 2833 (2020-B SR Revenue Bond-Wastewater).

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2804 - 2004B SRF - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$13,611,933	\$13,700,971	\$13,914,506	\$13,740,269	\$13,997,847	\$14,138,547	\$14,280,647
Interest on Investments	22,290	19,619	277,886	264,062	140,700	142,100	143,500
Miscellaneous	132,715	90,868	-	659	-	-	-
<b>Total Revenues</b>	<b>155,004</b>	<b>110,487</b>	<b>277,886</b>	<b>264,721</b>	<b>140,700</b>	<b>142,100</b>	<b>143,500</b>
Principal Payments	18,971,800	19,475,600	19,963,100	19,963,100	20,657,300	20,995,500	21,537,300
Interest Payments	3,853,400	3,490,036	3,122,900	3,130,027	2,747,200	2,354,100	1,950,200
Agency and Other Debt Expense	1,139,266	1,034,553	892,400	892,416	783,900	672,000	558,700
<b>Total Expenditures</b>	<b>23,964,466</b>	<b>24,000,189</b>	<b>23,978,400</b>	<b>23,985,543</b>	<b>24,188,400</b>	<b>24,021,600</b>	<b>24,046,200</b>
Net Operating Income (Loss)	(23,809,462)	(23,889,702)	(23,700,514)	(23,720,822)	(24,047,700)	(23,879,500)	(23,902,700)
Interfund Transfers	23,898,500	23,929,000	23,978,400	23,978,400	24,188,400	24,021,600	24,046,200
Increase (Decrease) in Fund Bal.	89,038	39,298	277,886	257,578	140,700	142,100	143,500
Percentage of Change	1%	-	2%	2%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$13,700,971</b>	<b>\$13,740,269</b>	<b>\$14,192,393</b>	<b>\$13,997,847</b>	<b>\$14,138,547</b>	<b>\$14,280,647</b>	<b>\$14,424,147</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2812 - 2010B SR Rev Bond - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$3,124,426	\$3,252,858	\$3,329,626	\$3,399,424	\$3,489,368	\$3,524,468	\$3,559,968
Interest on Investments	142,321	134,006	66,793	79,530	35,100	35,500	36,000
Miscellaneous	-	-	-	10,369	-	-	-
<b>Total Revenues</b>	<b>142,321</b>	<b>134,006</b>	<b>66,793</b>	<b>89,899</b>	<b>35,100</b>	<b>35,500</b>	<b>36,000</b>
Interest Payments	3,346,938	3,340,841	3,343,500	3,343,454	3,334,700	3,334,700	3,334,700
Agency and Other Debt Expense	850	500	-	-	-	-	-
<b>Total Expenditures</b>	<b>3,347,788</b>	<b>3,341,341</b>	<b>3,343,500</b>	<b>3,343,454</b>	<b>3,334,700</b>	<b>3,334,700</b>	<b>3,334,700</b>
Net Operating Income (Loss)	(3,205,468)	(3,207,335)	(3,276,707)	(3,253,555)	(3,299,600)	(3,299,200)	(3,298,700)
Interfund Transfers	3,333,900	3,353,900	3,343,500	3,343,500	3,334,700	3,334,700	3,334,700
Increase (Decrease) in Fund Bal.	128,432	146,565	66,793	89,945	35,100	35,500	36,000
<i>Percentage of Change</i>	4%	5%	2%	3%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$3,252,858</b>	<b>\$3,399,424</b>	<b>\$3,396,419</b>	<b>\$3,489,368</b>	<b>\$3,524,468</b>	<b>\$3,559,968</b>	<b>\$3,595,968</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2816 - 2011B SR Rev Bond - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$3,164,858	\$3,372,234	\$3,444,308	\$3,496,203	\$3,580,899	\$3,616,899	\$3,653,199
Interest on Investments	168,175	149,470	68,913	84,695	36,000	36,300	36,700
<b>Total Revenues</b>	<b>168,175</b>	<b>149,470</b>	<b>68,913</b>	<b>84,695</b>	<b>36,000</b>	<b>36,300</b>	<b>36,700</b>
Principal Payments	2,110,000	2,220,000	2,330,000	2,330,000	-	-	-
Interest Payments	788,800	683,300	572,300	572,300	455,800	455,800	455,800
Agency and Other Debt Expense	800	500	-	-	-	-	-
<b>Total Expenditures</b>	<b>2,899,600</b>	<b>2,903,800</b>	<b>2,902,300</b>	<b>2,902,300</b>	<b>455,800</b>	<b>455,800</b>	<b>455,800</b>
Net Operating Income (Loss)	(2,731,425)	(2,754,330)	(2,833,387)	(2,817,605)	(419,800)	(419,500)	(419,100)
Interfund Transfers	2,938,800	2,878,300	2,902,300	2,902,300	455,800	455,800	455,800
Increase (Decrease) in Fund Bal.	207,375	123,970	68,913	84,695	36,000	36,300	36,700
<i>Percentage of Change</i>	7%	4%	2%	2%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$3,372,234</b>	<b>\$3,496,203</b>	<b>\$3,513,220</b>	<b>\$3,580,899</b>	<b>\$3,616,899</b>	<b>\$3,653,199</b>	<b>\$3,689,899</b>



**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2817 - 2012A SR Rev Bond - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$12,647,930	\$13,320,639	\$16,178,495	\$6,553,097	\$6,728,702	\$6,796,302	\$6,864,602
Revenue Bonds	-	(10,531,212)	-	-	-	-	-
Interest on Investments	612,959	286,321	271,993	175,555	67,600	68,300	69,000
<b>Total Revenues</b>	<b>612,959</b>	<b>(10,244,891)</b>	<b>271,993</b>	<b>175,555</b>	<b>67,600</b>	<b>68,300</b>	<b>69,000</b>
Principal Payments	5,300,000	5,300,000	5,300,000	5,300,000	5,300,000	-	-
Interest Payments	7,489,200	4,699,200	1,843,000	1,842,950	1,631,000	1,366,000	1,366,000
Agency and Other Debt Expense	250	650	-	-	-	-	-
<b>Total Expenditures</b>	<b>12,789,450</b>	<b>9,999,850</b>	<b>7,143,000</b>	<b>7,142,950</b>	<b>6,931,000</b>	<b>1,366,000</b>	<b>1,366,000</b>
Net Operating Income (Loss)	(12,176,491)	(20,244,741)	(6,871,007)	(6,967,395)	(6,863,400)	(1,297,700)	(1,297,000)
Interfund Transfers	12,849,200	13,477,200	7,143,000	7,143,000	6,931,000	1,366,000	1,366,000
Increase (Decrease) in Fund Bal.	672,709	(6,767,541)	271,993	175,605	67,600	68,300	69,000
<i>Percentage of Change</i>	5%	-51%	2%	3%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$13,320,639</b>	<b>\$6,553,097</b>	<b>\$16,450,488</b>	<b>\$6,728,702</b>	<b>\$6,796,302</b>	<b>\$6,864,602</b>	<b>\$6,933,602</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2818 - 2012B SR Rev Bond - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$20,693,051	\$21,651,977	\$24,192,520	\$9,285,254	\$9,596,921	\$9,693,321	\$9,790,721
Revenue Bonds	-	(8,570,907)	-	-	-	-	-
Interest on Investments	1,019,176	576,509	441,769	311,617	96,400	97,400	98,400
<b>Total Revenues</b>	<b>1,019,176</b>	<b>(7,994,399)</b>	<b>441,769</b>	<b>311,617</b>	<b>96,400</b>	<b>97,400</b>	<b>98,400</b>
Principal Payments	3,095,000	3,390,000	3,725,000	3,725,000	4,050,000	4,450,000	4,860,000
Interest Payments	6,506,400	4,284,475	2,016,900	2,016,850	1,867,900	1,665,400	1,442,900
Agency and Other Debt Expense	250	450	-	-	-	-	-
<b>Total Expenditures</b>	<b>9,601,650</b>	<b>7,674,925</b>	<b>5,741,900</b>	<b>5,741,850</b>	<b>5,917,900</b>	<b>6,115,400</b>	<b>6,302,900</b>
Net Operating Income (Loss)	(8,582,474)	(15,669,324)	(5,300,131)	(5,430,233)	(5,821,500)	(6,018,000)	(6,204,500)
Interfund Transfers	9,541,400	3,302,600	5,741,900	5,741,900	5,917,900	6,115,400	6,302,900
Increase (Decrease) in Fund Bal.	958,926	(12,366,724)	441,769	311,667	96,400	97,400	98,400
<i>Percentage of Change</i>	5%	-57%	2%	3%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$21,651,977</b>	<b>\$9,285,254</b>	<b>\$24,634,289</b>	<b>\$9,596,921</b>	<b>\$9,693,321</b>	<b>\$9,790,721</b>	<b>\$9,889,121</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2819 - 2013B SR Rev Bond - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$8,859,939	\$9,177,434	\$11,410,356	\$2,515,495	\$2,650,043	\$2,676,643	\$2,703,543
Revenue Bonds	-	(6,943,022)	-	-	-	-	-
Interest on Investments	392,770	231,934	187,343	134,523	26,600	26,900	27,200
<b>Total Revenues</b>	<b>392,770</b>	<b>(6,711,089)</b>	<b>187,343</b>	<b>134,523</b>	<b>26,600</b>	<b>26,900</b>	<b>27,200</b>
Principal Payments	3,000,000	3,250,000	3,390,000	3,390,000	3,520,000	3,695,000	-
Interest Payments	5,555,425	3,735,800	1,896,200	1,896,175	1,764,600	1,588,600	1,403,900
Agency and Other Debt Expense	250	450	-	-	-	-	-
<b>Total Expenditures</b>	<b>8,555,675</b>	<b>6,986,250</b>	<b>5,286,200</b>	<b>5,286,175</b>	<b>5,284,600</b>	<b>5,283,600</b>	<b>1,403,900</b>
Net Operating Income (Loss)	(8,162,905)	(13,697,339)	(5,098,857)	(5,151,652)	(5,258,000)	(5,256,700)	(1,376,700)
Interfund Transfers	8,480,400	7,035,400	5,286,200	5,286,200	5,284,600	5,283,600	1,403,900
Increase (Decrease) in Fund Bal.	317,495	(6,661,939)	187,343	134,548	26,600	26,900	27,200
<i>Percentage of Change</i>	4%	-73%	2%	5%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$9,177,434</b>	<b>\$2,515,495</b>	<b>\$11,597,699</b>	<b>\$2,650,043</b>	<b>\$2,676,643</b>	<b>\$2,703,543</b>	<b>\$2,730,743</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2820 - 2013A SRF - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$1,626,284	\$1,638,967	\$1,661,292	\$1,648,502	\$1,678,533	\$1,695,433	\$1,712,433
Interest on Investments	10,513	10,754	33,169	26,676	16,900	17,000	17,200
Miscellaneous	8,161	4,933	-	25	-	-	-
<b>Total Revenues</b>	<b>18,673</b>	<b>15,687</b>	<b>33,169</b>	<b>26,700</b>	<b>16,900</b>	<b>17,000</b>	<b>17,200</b>
Principal Payments	2,247,000	2,305,000	2,365,000	2,365,000	2,427,000	2,490,000	2,555,000
Interest Payments	698,089	663,036	627,100	623,817	590,200	552,300	513,500
Agency and Other Debt Expense	238,701	226,715	208,200	208,152	195,400	182,300	168,800
<b>Total Expenditures</b>	<b>3,183,790</b>	<b>3,194,751</b>	<b>3,200,300</b>	<b>3,196,969</b>	<b>3,212,600</b>	<b>3,224,600</b>	<b>3,237,300</b>
Net Operating Income (Loss)	(3,165,117)	(3,179,065)	(3,167,131)	(3,170,269)	(3,195,700)	(3,207,600)	(3,220,100)
Interfund Transfers	3,177,800	3,188,600	3,200,300	3,200,300	3,212,600	3,224,600	3,237,300
Increase (Decrease) in Fund Bal.	12,683	9,535	33,169	30,031	16,900	17,000	17,200
<i>Percentage of Change</i>	1%	1%	2%	2%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$1,638,967</b>	<b>\$1,648,502</b>	<b>\$1,694,461</b>	<b>\$1,678,533</b>	<b>\$1,695,433</b>	<b>\$1,712,433</b>	<b>\$1,729,633</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2821 - 2015A SRF - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$2,330,251	\$2,328,725	\$2,360,477	\$2,341,902	\$2,384,401	\$2,408,401	\$2,432,601
Interest on Investments	15,540	15,260	47,129	37,865	24,000	24,200	24,400
Miscellaneous	11,585	7,010	-	35	-	-	-
<b>Total Revenues</b>	<b>27,126</b>	<b>22,270</b>	<b>47,129</b>	<b>37,900</b>	<b>24,000</b>	<b>24,200</b>	<b>24,400</b>
Principal Payments	3,344,000	3,424,000	3,505,000	3,505,000	3,589,000	3,674,000	3,762,000
Interest Payments	834,452	793,622	751,600	746,973	708,600	664,500	619,500
Agency and Other Debt Expense	362,600	344,770	317,200	317,229	298,300	279,000	259,100
<b>Total Expenditures</b>	<b>4,541,052</b>	<b>4,562,393</b>	<b>4,573,800</b>	<b>4,569,202</b>	<b>4,595,900</b>	<b>4,617,500</b>	<b>4,640,600</b>
Net Operating Income (Loss)	(4,513,926)	(4,540,122)	(4,526,671)	(4,531,302)	(4,571,900)	(4,593,300)	(4,616,200)
Interfund Transfers	4,512,400	4,553,300	4,573,800	4,573,800	4,595,900	4,617,500	4,640,600
Increase (Decrease) in Fund Bal.	(1,526)	13,178	47,129	42,498	24,000	24,200	24,400
<i>Percentage of Change</i>	-	1%	2%	2%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$2,328,725</b>	<b>\$2,341,902</b>	<b>\$2,407,606</b>	<b>\$2,384,401</b>	<b>\$2,408,401</b>	<b>\$2,432,601</b>	<b>\$2,457,001</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2822 - 2015B SR Rev Bond Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$42,264	\$14,278	\$41,198	\$10,774	\$993,270	\$1,007,870	\$1,031,770
Interest on Investments	57,364	81,896	1,076	62,497	14,600	23,900	33,200
<b>Total Revenues</b>	<b>57,364</b>	<b>81,896</b>	<b>1,076</b>	<b>62,497</b>	<b>14,600</b>	<b>23,900</b>	<b>33,200</b>
Principal Payments	2,675,000	2,785,000	2,920,000	2,920,000	3,070,000	3,220,000	3,385,000
Interest Payments	9,562,350	8,995,350	9,316,100	8,396,100	8,250,100	8,096,600	7,935,600
Agency and Other Debt Expense	400	450	-	-	-	-	-
<b>Total Expenditures</b>	<b>12,237,750</b>	<b>11,780,800</b>	<b>12,236,100</b>	<b>11,316,100</b>	<b>11,320,100</b>	<b>11,316,600</b>	<b>11,320,600</b>
Net Operating Income (Loss)	(12,180,386)	(11,698,904)	(12,235,024)	(11,253,603)	(11,305,500)	(11,292,700)	(11,287,400)
Interfund Transfers	12,152,400	11,695,400	12,236,100	12,236,100	11,320,100	11,316,600	11,320,600
Increase (Decrease) in Fund Bal.	(27,986)	(3,504)	1,076	982,497	14,600	23,900	33,200
<i>Percentage of Change</i>	-66%	-25%	3%	9,119%	1%	2%	3%
<b>FUND BALANCE E.O.P.</b>	<b>\$14,278</b>	<b>\$10,774</b>	<b>\$42,274</b>	<b>\$993,270</b>	<b>\$1,007,870</b>	<b>\$1,031,770</b>	<b>\$1,064,970</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2823 - 2016A SRF - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$483,077	\$582,263	\$679,558	\$602,369	\$612,649	\$618,849	\$625,049
Interest on Investments	7,661	6,179	11,798	10,293	6,200	6,200	6,300
Miscellaneous	2,469	1,650	-	8	-	-	-
<b>Total Revenues</b>	<b>10,130</b>	<b>7,829</b>	<b>11,798</b>	<b>10,301</b>	<b>6,200</b>	<b>6,200</b>	<b>6,300</b>
Principal Payments	843,000	861,000	880,000	880,000	899,000	919,000	939,000
Interest Payments	26,984	135,435	211,900	211,944	201,300	190,500	179,400
Agency and Other Debt Expense	16,960	70,489	91,300	91,277	86,500	81,700	76,700
<b>Total Expenditures</b>	<b>886,944</b>	<b>1,066,923</b>	<b>1,183,200</b>	<b>1,183,221</b>	<b>1,186,800</b>	<b>1,191,200</b>	<b>1,195,100</b>
Net Operating Income (Loss)	(876,814)	(1,059,094)	(1,171,402)	(1,172,920)	(1,180,600)	(1,185,000)	(1,188,800)
Interfund Transfers	976,000	1,079,200	1,183,200	1,183,200	1,186,800	1,191,200	1,195,100
Increase (Decrease) in Fund Bal.	99,186	20,106	11,798	10,280	6,200	6,200	6,300
<i>Percentage of Change</i>	21%	3%	2%	2%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$582,263</b>	<b>\$602,369</b>	<b>\$691,356</b>	<b>\$612,649</b>	<b>\$618,849</b>	<b>\$625,049</b>	<b>\$631,349</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2824 - 2016B SRF - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$1,800,431	\$1,998,401	\$2,362,648	\$2,181,145	\$2,217,452	\$2,239,752	\$2,262,252
Interest on Investments	22,051	18,956	40,485	36,285	22,300	22,500	22,700
Miscellaneous	9,718	6,197	-	32	-	-	-
<b>Total Revenues</b>	<b>31,768</b>	<b>25,153</b>	<b>40,485</b>	<b>36,317</b>	<b>22,300</b>	<b>22,500</b>	<b>22,700</b>
Principal Payments	3,147,000	3,217,000	3,286,000	3,286,000	3,358,000	3,432,000	3,507,000
Interest Payments	309,047	524,116	819,800	819,828	780,200	739,700	698,300
Agency and Other Debt Expense	159,052	247,592	353,400	353,383	335,700	317,600	299,100
<b>Total Expenditures</b>	<b>3,615,099</b>	<b>3,988,708</b>	<b>4,459,200</b>	<b>4,459,211</b>	<b>4,473,900</b>	<b>4,489,300</b>	<b>4,504,400</b>
Net Operating Income (Loss)	(3,583,330)	(3,963,555)	(4,418,715)	(4,422,894)	(4,451,600)	(4,466,800)	(4,481,700)
Interfund Transfers	3,781,300	4,146,300	4,459,200	4,459,200	4,473,900	4,489,300	4,504,400
Increase (Decrease) in Fund Bal.	197,970	182,745	40,485	36,306	22,300	22,500	22,700
<i>Percentage of Change</i>	11%	9%	2%	2%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$1,998,401</b>	<b>\$2,181,145</b>	<b>\$2,403,133</b>	<b>\$2,217,452</b>	<b>\$2,239,752</b>	<b>\$2,262,252</b>	<b>\$2,284,952</b>



**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2825 - 2016C SR Rev Bond - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$28,785	\$18,450	\$41,375	\$17,479	\$59,469	\$60,069	\$60,669
Interest on Investments	50,065	69,479	998	41,990	600	600	600
<b>Total Revenues</b>	<b>50,065</b>	<b>69,479</b>	<b>998</b>	<b>41,990</b>	<b>600</b>	<b>600</b>	<b>600</b>
Principal Payments	2,760,000	2,840,000	2,955,000	2,955,000	3,070,000	3,195,000	3,325,000
Interest Payments	6,788,200	6,705,400	6,591,800	6,591,800	6,473,600	6,350,800	6,223,000
Agency and Other Debt Expense	400	450	-	-	-	-	-
<b>Total Expenditures</b>	<b>9,548,600</b>	<b>9,545,850</b>	<b>9,546,800</b>	<b>9,546,800</b>	<b>9,543,600</b>	<b>9,545,800</b>	<b>9,548,000</b>
Net Operating Income (Loss)	(9,498,535)	(9,476,371)	(9,545,802)	(9,504,810)	(9,543,000)	(9,545,200)	(9,547,400)
Interfund Transfers	9,488,200	9,475,400	9,546,800	9,546,800	9,543,600	9,545,800	9,548,000
Increase (Decrease) in Fund Bal.	(10,335)	(971)	998	41,990	600	600	600
<i>Percentage of Change</i>	-36%	-5%	2%	240%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$18,450</b>	<b>\$17,479</b>	<b>\$42,373</b>	<b>\$59,469</b>	<b>\$60,069</b>	<b>\$60,669</b>	<b>\$61,269</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2826 - 2017A SR Rev Bond - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$36,586	\$18,024	\$57,361	\$1,967	\$86,422	\$87,322	\$88,222
Interest on Investments	82,188	119,344	1,569	84,455	900	900	900
<b>Total Revenues</b>	<b>82,188</b>	<b>119,344</b>	<b>1,569</b>	<b>84,455</b>	<b>900</b>	<b>900</b>	<b>900</b>
Principal Payments	3,415,000	3,520,000	3,660,000	3,660,000	5,490,000	11,040,000	14,840,000
Interest Payments	15,544,050	15,441,600	15,300,800	15,300,800	15,117,800	14,854,900	14,393,900
Agency and Other Debt Expense	800	400	-	-	-	-	-
<b>Total Expenditures</b>	<b>18,959,850</b>	<b>18,962,000</b>	<b>18,960,800</b>	<b>18,960,800</b>	<b>20,607,800</b>	<b>25,894,900</b>	<b>29,233,900</b>
Net Operating Income (Loss)	(18,877,662)	(18,842,656)	(18,959,231)	(18,876,345)	(20,606,900)	(25,894,000)	(29,233,000)
Interfund Transfers	18,859,100	18,826,600	18,960,800	18,960,800	20,607,800	25,894,900	29,233,900
Increase (Decrease) in Fund Bal.	(18,562)	(16,056)	1,569	84,455	900	900	900
<i>Percentage of Change</i>	-51%	-89%	3%	4,294%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$18,024</b>	<b>\$1,967</b>	<b>\$58,930</b>	<b>\$86,422</b>	<b>\$87,322</b>	<b>\$88,222</b>	<b>\$89,122</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2827 - 2018A WIFIA - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	\$40,448	\$30,946	\$30,349	\$31,666	\$31,966	\$32,266
Interest on Investments	40,373	2,003	618	1,351	300	300	300
<b>Total Revenues</b>	<b>40,373</b>	<b>2,003</b>	<b>618</b>	<b>1,351</b>	<b>300</b>	<b>300</b>	<b>300</b>
Interest Payments	1,000	8,001	352,400	352,434	790,700	1,213,400	1,433,500
<b>Total Expenditures</b>	<b>1,000</b>	<b>8,001</b>	<b>352,400</b>	<b>352,434</b>	<b>790,700</b>	<b>1,213,400</b>	<b>1,433,500</b>
Net Operating Income (Loss)	39,373	(5,999)	(351,782)	(351,083)	(790,400)	(1,213,100)	(1,433,200)
Interfund Transfers	1,075	(4,100)	352,400	352,400	790,700	1,213,400	1,433,500
Increase (Decrease) in Fund Bal.	40,448	(10,099)	618	1,317	300	300	300
<i>Percentage of Change</i>	-	-25%	2%	4%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$40,448</b>	<b>\$30,349</b>	<b>\$31,565</b>	<b>\$31,666</b>	<b>\$31,966</b>	<b>\$32,266</b>	<b>\$32,566</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2828 - 2018B SRF - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	\$62,042	\$364,610	\$123,187	\$126,417	\$127,717	\$129,017
Interest on Investments	34,453	5,591	1,138	3,194	1,300	1,300	1,300
Miscellaneous	6	70	-	1	-	-	-
<b>Total Revenues</b>	<b>34,459</b>	<b>5,661</b>	<b>1,138</b>	<b>3,195</b>	<b>1,300</b>	<b>1,300</b>	<b>1,300</b>
Principal Payments	-	-	-	-	533,000	1,082,000	1,104,000
Interest Payments	-	44,070	348,700	348,685	348,700	337,600	322,600
Agency and Other Debt Expense	-	2,046	7,600	7,580	70,700	129,500	123,700
<b>Total Expenditures</b>	<b>-</b>	<b>46,116</b>	<b>356,300</b>	<b>356,265</b>	<b>952,400</b>	<b>1,549,100</b>	<b>1,550,300</b>
Net Operating Income (Loss)	34,459	(40,455)	(355,162)	(353,070)	(951,100)	(1,547,800)	(1,549,000)
Interfund Transfers	27,583	101,600	356,300	356,300	952,400	1,549,100	1,550,300
Increase (Decrease) in Fund Bal.	62,042	61,145	1,138	3,230	1,300	1,300	1,300
<i>Percentage of Change</i>	-	99%	-	3%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$62,042</b>	<b>\$123,187</b>	<b>\$365,748</b>	<b>\$126,417</b>	<b>\$127,717</b>	<b>\$129,017</b>	<b>\$130,317</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2829 - 2019A SRF - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	-	\$1,863,502	\$50,521	\$52,163	\$52,663	\$53,163
Interest on Investments	-	24,026	36,015	1,672	500	500	500
Miscellaneous	-	-	-	0	-	-	-
<b>Total Revenues</b>	<b>-</b>	<b>24,026</b>	<b>36,015</b>	<b>1,672</b>	<b>500</b>	<b>500</b>	<b>500</b>
Principal Payments	-	-	-	-	-	-	1,015,000
Interest Payments	-	461	234,700	234,730	234,700	234,700	232,300
Agency and Other Debt Expense	-	263	-	-	-	-	125,500
<b>Total Expenditures</b>	<b>-</b>	<b>724</b>	<b>234,700</b>	<b>234,730</b>	<b>234,700</b>	<b>234,700</b>	<b>1,372,800</b>
Net Operating Income (Loss)	-	23,302	(198,685)	(233,058)	(234,200)	(234,200)	(1,372,300)
Interfund Transfers	-	27,219	234,700	234,700	234,700	234,700	1,372,800
Increase (Decrease) in Fund Bal.	-	50,521	36,015	1,642	500	500	500
<i>Percentage of Change</i>	-	-	2%	3%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>-</b>	<b>\$50,521</b>	<b>\$1,899,516</b>	<b>\$52,163</b>	<b>\$52,663</b>	<b>\$53,163</b>	<b>\$53,663</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2830 - 2019B SR Rev Bond - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	-	-	\$29,853	\$39,262	\$39,662	\$40,062
Interest on Investments	-	(827)	-	9,409	400	400	400
<b>Total Revenues</b>	-	<b>(827)</b>	-	<b>9,409</b>	<b>400</b>	<b>400</b>	<b>400</b>
Principal Payments	-	-	835,000	835,000	880,000	920,000	970,000
Interest Payments	-	1,064,321	2,606,500	2,606,500	2,564,800	2,520,800	2,474,800
<b>Total Expenditures</b>	-	<b>1,064,321</b>	<b>3,441,500</b>	<b>3,441,500</b>	<b>3,444,800</b>	<b>3,440,800</b>	<b>3,444,800</b>
Net Operating Income (Loss)	-	(1,065,147)	(3,441,500)	(3,432,091)	(3,444,400)	(3,440,400)	(3,444,400)
Interfund Transfers	-	1,095,000	3,441,500	3,441,500	3,444,800	3,440,800	3,444,800
Increase (Decrease) in Fund Bal.	-	29,853	-	9,409	400	400	400
<i>Percentage of Change</i>	-	-	-	32%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	-	<b>\$29,853</b>	-	<b>\$39,262</b>	<b>\$39,662</b>	<b>\$40,062</b>	<b>\$40,462</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2831 - 2019C SR Ref Taxable Rev Bond - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	-	-	\$29,051	\$55,827	\$56,427	\$57,027
Revenue Bonds	-	302,303,653	-	-	-	-	-
Interest on Investments	-	(2,683)	-	26,814	600	600	600
<b>Total Revenues</b>	-	<b>302,300,970</b>	-	<b>26,814</b>	<b>600</b>	<b>600</b>	<b>600</b>
Principal Payments	-	-	1,515,000	1,515,000	1,545,000	1,570,000	1,605,000
Interest Payments	-	29,436,918	8,310,000	8,310,038	8,282,400	8,252,800	8,221,400
Agency and Other Debt Expense	-	276,260,000	-	-	-	-	-
<b>Total Expenditures</b>	-	<b>305,696,918</b>	<b>9,825,000</b>	<b>9,825,038</b>	<b>9,827,400</b>	<b>9,822,800</b>	<b>9,826,400</b>
Net Operating Income (Loss)	-	(3,395,949)	(9,825,000)	(9,798,224)	(9,826,800)	(9,822,200)	(9,825,800)
Interfund Transfers	-	3,425,000	9,825,000	9,825,000	9,827,400	9,822,800	9,826,400
Increase (Decrease) in Fund Bal.	-	29,051	-	26,776	600	600	600
<i>Percentage of Change</i>	-	-	-	92%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	-	<b>\$29,051</b>	-	<b>\$55,827</b>	<b>\$56,427</b>	<b>\$57,027</b>	<b>\$57,627</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2832 - 2020A SRF - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	-	-	-	\$996,449	\$1,006,449	\$1,016,449
Interest on Investments	-	-	-	(1,955)	10,000	10,000	10,000
<b>Total Revenues</b>	-	-	-	<b>(1,955)</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>
Principal Payments	-	-	-	-	-	-	989,000
Interest Payments	-	-	840,000	51,333	176,000	176,000	174,000
Agency and Other Debt Expense	-	-	210,000	263	-	-	108,800
<b>Total Expenditures</b>	-	-	<b>1,050,000</b>	<b>51,596</b>	<b>176,000</b>	<b>176,000</b>	<b>1,271,800</b>
Net Operating Income (Loss)	-	-	(1,050,000)	(53,551)	(166,000)	(166,000)	(1,261,800)
Interfund Transfers	-	-	2,100,000	1,050,000	176,000	176,000	1,271,800
Increase (Decrease) in Fund Bal.	-	-	1,050,000	996,449	10,000	10,000	10,000
<i>Percentage of Change</i>	-	-	-	-	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	-	-	<b>\$1,050,000</b>	<b>\$996,449</b>	<b>\$1,006,449</b>	<b>\$1,016,449</b>	<b>\$1,026,449</b>



**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2833 - 2020B SR Rev Bond - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	-	-	-	\$2,155,751	\$2,177,351	\$2,198,951
Interest on Investments	-	-	-	(4,021)	21,600	21,600	21,600
<b>Total Revenues</b>	-	-	-	<b>(4,021)</b>	<b>21,600</b>	<b>21,600</b>	<b>21,600</b>
Principal Payments	-	-	-	-	1,895,000	1,990,000	2,090,000
Interest Payments	-	-	4,207,772	-	5,902,800	5,808,000	5,708,500
<b>Total Expenditures</b>	-	-	<b>4,207,772</b>	-	<b>7,797,800</b>	<b>7,798,000</b>	<b>7,798,500</b>
Net Operating Income (Loss)	-	-	(4,207,772)	(4,021)	(7,776,200)	(7,776,400)	(7,776,900)
Interfund Transfers	-	-	4,319,544	2,159,772	7,797,800	7,798,000	7,798,500
Increase (Decrease) in Fund Bal.	-	-	111,772	2,155,751	21,600	21,600	21,600
<i>Percentage of Change</i>	-	-	-	-	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	-	-	<b>\$111,772</b>	<b>\$2,155,751</b>	<b>\$2,177,351</b>	<b>\$2,198,951</b>	<b>\$2,220,551</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2834 - 2021A SRF - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	-	-	-	-	-	-
<b>Total Revenues</b>	-	-	-	-	-	-	-
Interest Payments	-	-	-	-	463,477	492,188	492,188
Agency and Other Debt Expense	-	-	-	-	525	-	-
<b>Total Expenditures</b>	-	-	-	-	<b>464,002</b>	<b>492,188</b>	<b>492,188</b>
Net Operating Income (Loss)	-	-	-	-	(464,002)	(492,188)	(492,188)
Interfund Transfers	-	-	-	-	464,002	492,188	492,188
Increase (Decrease) in Fund Bal.	-	-	-	-	-	-	-
<i>Percentage of Change</i>	-	-	-	-	-	-	-
<b>FUND BALANCE E.O.P.</b>	-	-	-	-	-	-	-

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
2835 - 2021B SRF - Prin & Int - WW

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	-	-	-	-	-	-
<b>Total Revenues</b>	-	-	-	-	-	-	-
Principal Payments	-	-	-	-	874,000	1,770,000	1,800,000
Interest Payments	-	-	-	-	295,276	303,315	289,450
Agency and Other Debt Expense	-	-	-	-	106,664	205,833	196,408
<b>Total Expenditures</b>	-	-	-	-	<b>1,275,940</b>	<b>2,279,148</b>	<b>2,285,858</b>
Net Operating Income (Loss)	-	-	-	-	(1,275,940)	(2,279,148)	(2,285,858)
Interfund Transfers	-	-	-	-	1,275,940	2,279,148	2,285,858
Increase (Decrease) in Fund Bal.	-	-	-	-	-	-	-
<i>Percentage of Change</i>	-	-	-	-	-	-	-
<b>FUND BALANCE E.O.P.</b>	-	-	-	-	-	-	-

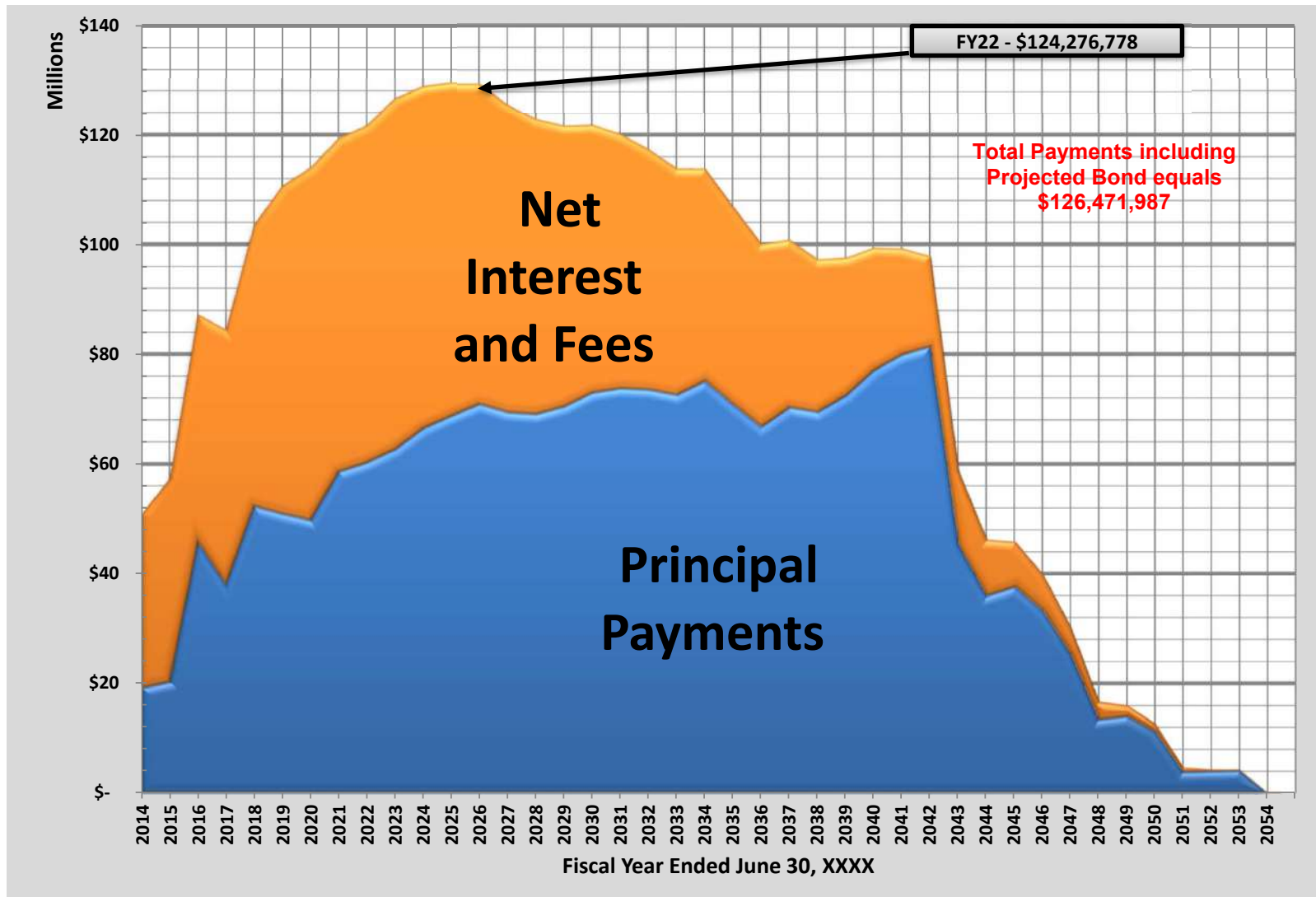
**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
Proposed Principal and Interest Bond 1

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	-	-	-	-	-	-
<b>Total Revenues</b>	-	-	-	-	-	-	-
Principal Payments	-	-	-	-	-	5,195,020	11,744,857
Interest Payments	-	-	-	-	303,430	1,405,645	2,715,681
Agency and Other Debt Expense	-	-	-	-	151,715	661,842	942,748
<b>Total Expenditures</b>	-	-	-	-	<b>455,145</b>	<b>7,262,506</b>	<b>15,403,286</b>
Net Operating Income (Loss)	-	-	-	-	(455,145)	(7,262,506)	(15,403,286)
Interfund Transfers	-	-	-	-	455,145	7,262,506	15,403,286
Increase (Decrease) in Fund Bal.	-	-	-	-	-	-	-
<i>Percentage of Change</i>	-	-	-	-	-	-	-
<b>FUND BALANCE E.O.P.</b>	-	-	-	-	-	-	-

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
Proposed Principal and Interest Bond 2

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	-	-	-	-	-	-	-
<b>Total Revenues</b>	-	-	-	-	-	-	-
Principal Payments	-	-	-	-	-	-	1,435,000
Interest Payments	-	-	-	-	-	303,850	7,841,676
<b>Total Expenditures</b>	-	-	-	-	-	<b>303,850</b>	<b>9,276,676</b>
Net Operating Income (Loss)	-	-	-	-	-	(303,850)	(9,276,676)
Interfund Transfers	-	-	-	-	-	303,850	9,276,676
Increase (Decrease) in Fund Bal.	-	-	-	-	-	-	-
<i>Percentage of Change</i>	-	-	-	-	-	-	-
<b>FUND BALANCE E.O.P.</b>	-	-	-	-	-	-	-

# Debt Service On Existing Debt



Principal payments made with bond proceeds as a result of an advanced refunding are not shown in this graph. In addition Projected Payments for Bonds issued after 12/31/20 are not included - Fund 2834 - 2021A SRF - Prin & Int - WW, 2835 - 2021B SRF - Prin & Int - WW, and Proposed Principal and Interest Bond 1.

**Metropolitan St. Louis Sewer District**  
**Existing Wastewater System Debt Service Amortization Schedule**

Principal payments made with bond proceeds as a result of an advance refunding are not shown in this graph. In addition, projected payments for bonds after 12/31/20 are not included - Fund 2834 - 2021A SRF - Prin & Int - WW, 2835 - 2021B SRF - Prin & Int - WW, and Proposed Principal and Interest Bond 1.

**Note:** The majority of the Debt Service is to meet the obligation of the debt issued for the CIRP requirements most of which are related to the Consent Decree.

Ended June 30,	Principal (beginning of yr)	Additions	Principal Retirements	Interest Payments	Gross Debt	① Fees	② Subsidy	Net Debt
2014	893,927,589	202,000,000	\$19,150,044	43,081,425	62,231,469	1,581,104	(7,550,903)	56,261,670
2015	1,076,777,545		\$20,268,080	47,084,130	67,352,211	1,690,409	(7,191,645)	61,850,975
2016	1,056,509,465	225,000,000	\$45,765,359	50,948,897	96,714,256	2,319,414	(6,820,637)	92,213,033
2017	1,235,744,106	245,500,000	\$38,076,771	55,118,554	93,195,325	2,652,402	(6,427,532)	89,420,195
2018	1,443,167,335	200,000,000	\$52,318,909	62,469,450	114,788,359	3,339,305	(6,021,806)	112,105,858
2019	1,590,848,425	72,989,204	\$50,942,663	67,694,186	118,636,849	2,183,886	(5,600,636)	115,220,098
2020	1,612,894,967	76,082,000	\$49,773,763	64,017,971	113,791,733	2,030,686	(5,171,732)	110,650,688
2021	1,639,203,204	142,000,000	\$58,574,100	64,351,328	122,925,428	1,870,298	(4,730,057)	120,065,669
2022	1,722,629,104		\$60,283,300	66,526,469	126,809,769	1,770,502	(4,303,492)	124,276,778
2023	1,662,345,804		\$62,672,500	64,603,465	127,275,965	1,662,024	(3,846,375)	125,091,613
2024	1,599,673,304		\$66,483,300	62,467,640	128,950,940	1,720,471	(3,384,067)	127,287,344
2025	1,533,190,004		\$68,766,000	60,006,823	128,772,823	1,536,327	(2,909,879)	127,399,271
2026	1,464,424,004		\$70,921,500	57,372,583	128,294,083	1,341,704	(2,423,377)	127,212,409
2027	1,393,502,504		\$69,428,900	54,625,433	124,054,333	1,161,808	(2,019,497)	123,196,644
2028	1,324,073,604		\$69,086,200	52,042,691	121,128,891	1,029,869	(1,842,358)	120,316,402
2029	1,254,987,404		\$70,455,400	49,682,383	120,137,783	902,151	(1,737,283)	119,302,650
2030	1,184,532,004		\$73,003,500	47,247,293	120,250,793	771,797	(1,642,857)	119,379,733
2031	1,111,528,504		\$73,789,800	44,822,446	118,612,246	657,025	(1,642,857)	117,626,414
2032	1,037,738,704		\$73,536,200	42,391,276	115,927,476	551,917	(1,642,857)	114,836,535
2033	964,202,504		\$72,577,000	39,925,066	112,502,066	449,662	(1,642,857)	111,308,871
2034	891,625,504		\$75,100,300	37,394,058	112,494,358	345,381	(1,641,115)	111,198,625
2035	816,525,204		\$70,819,000	34,769,500	105,588,500	253,150	(1,639,373)	104,202,278
2036	745,706,204		\$66,783,000	31,811,047	98,594,047	195,929	(1,407,932)	97,382,045
2037	678,923,204		\$70,309,000	28,870,312	99,179,312	144,352	(1,157,204)	98,166,461
2038	608,614,204		\$69,466,000	25,799,981	95,265,981	103,076	(771,469)	94,597,587
2039	539,148,204		\$72,474,000	22,680,283	95,154,283	81,762	(385,735)	94,850,310
2040	466,674,204		\$77,096,670	19,271,220	96,367,889	60,057	-	96,427,947
2041	389,577,534		\$79,982,789	16,403,732	96,386,521	37,953	-	96,424,474
2042	309,594,745		\$81,423,513	13,427,434	94,850,947	17,760	-	94,868,707
2043	228,171,232		\$45,341,921	10,273,099	55,615,020	3,455	-	55,618,475
2044	182,829,312		\$35,983,095	8,240,887	44,223,982	-	-	44,223,982
2045	146,846,216		\$37,634,121	6,601,326	44,235,447	-	-	44,235,447
2046	109,212,095		\$33,293,085	4,884,384	38,177,469	-	-	38,177,469
2047	75,919,010		\$25,350,078	3,284,392	28,634,469	-	-	28,634,469
2048	50,568,932		\$13,400,191	2,083,528	15,483,719	-	-	15,483,719
2049	37,168,741		\$13,998,521	1,482,198	15,480,719	-	-	15,480,719
2050	23,170,220		\$11,185,166	853,054	12,038,219	-	-	12,038,219
2051	11,985,054		\$3,875,227	366,743	4,241,969	-	-	4,241,969
2052	8,109,828		\$3,993,809	248,161	4,241,969	-	-	4,241,969
2053	4,116,019		\$4,116,019	125,950	4,241,969	-	-	4,241,969
2054	-		-	-	-	-	-	-
<b>Totals</b>		<b>\$1,163,571,204</b>	<b>\$2,057,498,793</b>	<b>\$1,365,350,796</b>	<b>\$3,422,849,589</b>	<b>\$32,465,636</b>	<b>-\$85,555,531</b>	<b>\$3,369,759,693</b>

① Includes DNR Fees and Trustee/Dissemination Fee

② Debt Service Reserve Fund Earnings

③ Amortization schedule varies slightly due to rounding compared to the Fund Pages

For more detail on the individual bonds see the Comprehensive Annual Financial Report FY20, Note 6 starting at page 40 to page 58.



**FY22 BUDGET**





Special Funds of the District are comprised of the following:

**IMPROVEMENT FUND:**

A fund to pay the cost of any improvements or to purchase any special tax bills issued for any improvement. The fund can receive monies from the General Fund, bond issues, collection of special benefit assessments or special tax bills, sale of special tax bills, or any other source provided by law.

**WATER BACKUP INSURANCE & REIMBURSEMENT FUND:**

A fund to be used to respond to water backups caused by overcharged lines or blocked mains. This fund will administer the Water Backup Insurance and Reimbursement Program.

**GENERAL INSURANCE FUND:**

A fund to be used to pay the cost of workers' compensation claims, property insurance, general liability, auto liability, flood insurance and all expenses (i.e. premiums, claims, claim expenses, claim recoveries and claim accruals) related to these coverages.

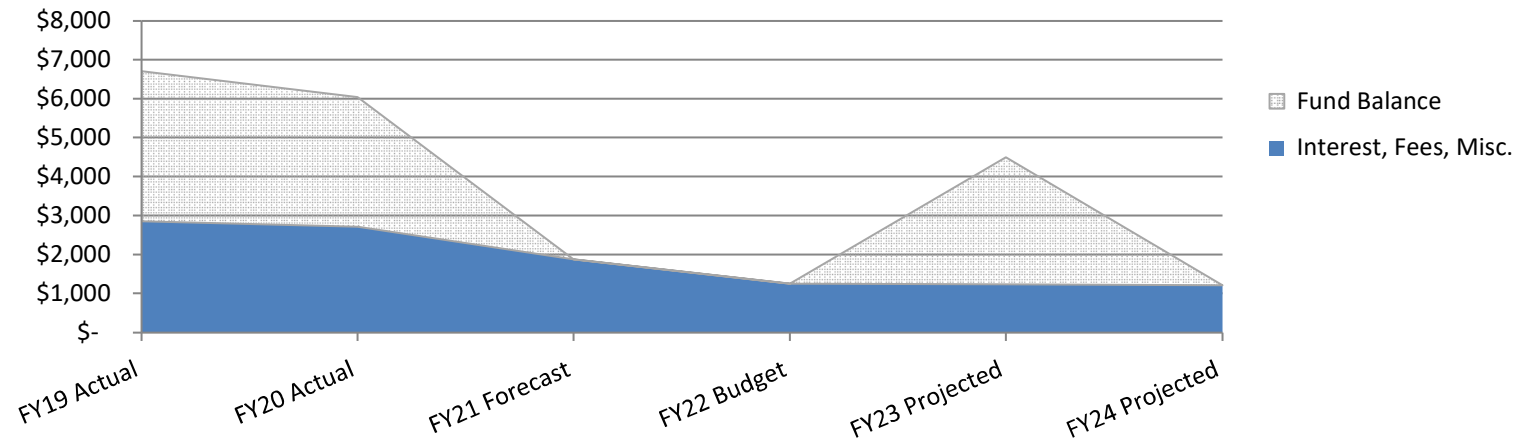
**EMERGENCY FUNDS:**

Funds to be used for emergency sewer repairs and replacements in the operation and maintenance of the District that are of such a nature as to be non-measurable in the budgeting and appropriations of annual revenues.

## SPECIAL FUNDS CONSOLIDATED

### Revenue Trends

(\$s in thousands)



This analysis of MSD's revenue compares actual revenues received in FY19 and FY20, forecasted for FY21, budgeted for FY22 and projected for FY23 and FY24.

Budgeted and projected interest income is based on the average of beginning and ending fund balances unless cash balances are expected to be materially different from fund balances. Connection Fees are recorded in the Improvement Fund and estimated based on historical trends.

Excess funds are retained in fund balances until emergency or other funds are needed. In FY17, the District experienced a flooding event which resulted in grant revenue in FY19 in the Water Backup Fund. In FY20, the General Insurance Fund had an increase for reimbursement of District's cost for an insurance claim settlement. The budget FY22 and projected FY23 and FY24 are estimated to not include those one time events.

The most significant source of cash inflows to this fund group are from user charge revenue not shown in the graph because they are originally received into the revenue funds and distributed in part to the Special Funds. These transfers are allocated to the Water Backup fund, the General Insurance Fund, and the Wastewater Emergency fund for the purposes designated by ordinance for each of these funds.

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
4000 - Special Funds

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$26,589,037	\$22,733,933	\$15,980,663	\$19,409,339	\$24,774,639	\$26,422,233	\$23,158,730
Interest on Investments	892,984	715,895	390,958	456,736	252,000	236,100	214,000
Connection and Other Fees	922,979	857,069	1,201,000	1,211,880	994,000	994,000	994,000
Miscellaneous	1,037,768	1,139,297	-	203,409	-	-	-
<b>Total Revenues</b>	<b>2,853,731</b>	<b>2,712,261</b>	<b>1,591,958</b>	<b>1,872,025</b>	<b>1,246,000</b>	<b>1,230,100</b>	<b>1,208,000</b>
Personnel Services	666,453	910,828	750,000	885,126	1,159,113	1,193,886	1,229,703
Contractual Services	11,127,369	10,126,549	10,992,100	11,103,458	12,014,400	12,254,688	12,497,782
Construction and Engineering	3,827,424	3,393,610	550,000	975,546	-	4,000,000	-
Interfund Labor Transfers	94,616	116,417	42,595	42,595	24,893	45,028	25,911
<b>Total Expenditures</b>	<b>15,715,861</b>	<b>14,547,404</b>	<b>12,334,695</b>	<b>13,006,724</b>	<b>13,198,406</b>	<b>17,493,603</b>	<b>13,753,396</b>
Net Operating Income (Loss)	(12,862,130)	(11,835,143)	(10,742,738)	(11,134,700)	(11,952,406)	(16,263,503)	(12,545,396)
Interfund Transfers	9,007,026	8,510,550	16,500,000	16,500,000	13,600,000	13,000,000	13,000,000
Increase (Decrease) in Fund Bal.	(3,855,104)	(3,324,594)	5,757,262	5,365,300	1,647,594	(3,263,503)	454,604
<i>Percentage of Change</i>	-14%	-15%	36%	28%	7%	-12%	2%
<b>FUND BALANCE E.O.P.</b>	<b>\$22,733,933</b>	<b>\$19,409,339</b>	<b>\$21,737,926</b>	<b>\$24,774,639</b>	<b>\$26,422,233</b>	<b>\$23,158,730</b>	<b>\$23,613,334</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
4102 - Improvement Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$5,639,149	\$3,885,507	\$1,740,015	\$1,662,276	\$2,580,719	\$3,580,626	\$550,298
Interest on Investments	218,201	187,931	55,557	74,159	30,800	20,700	10,400
Connection and Other Fees	922,979	857,069	1,201,000	1,211,880	994,000	994,000	994,000
Miscellaneous	830	(535)	-	-	-	-	-
<b>Total Revenues</b>	<b>1,142,011</b>	<b>1,044,465</b>	<b>1,256,557</b>	<b>1,286,039</b>	<b>1,024,800</b>	<b>1,014,700</b>	<b>1,004,400</b>
Construction and Engineering	2,827,424	3,192,228	550,000	325,000	-	4,000,000	-
Interfund Labor Transfers	75,254	86,018	42,595	42,595	24,893	45,028	25,911
<b>Total Expenditures</b>	<b>2,902,678</b>	<b>3,278,246</b>	<b>592,595</b>	<b>367,595</b>	<b>24,893</b>	<b>4,045,028</b>	<b>25,911</b>
Net Operating Income (Loss)	(1,760,668)	(2,233,781)	663,962	918,444	999,907	(3,030,328)	978,489
Interfund Transfers	7,026	10,549	-	-	-	-	-
Increase (Decrease) in Fund Bal.	(1,753,642)	(2,223,232)	663,962	918,444	999,907	(3,030,328)	978,489
<i>Percentage of Change</i>	-31%	-57%	38%	55%	39%	-85%	178%
<b>FUND BALANCE E.O.P.</b>	<b>\$3,885,507</b>	<b>\$1,662,276</b>	<b>\$2,403,977</b>	<b>\$2,580,719</b>	<b>\$3,580,626</b>	<b>\$550,298</b>	<b>\$1,528,786</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
4104 - Water Backup Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$8,461,799	\$8,146,261	\$3,481,576	\$5,706,597	\$10,933,585	\$9,531,985	\$10,520,385
Interest on Investments	311,839	211,568	120,381	190,005	98,400	88,400	89,800
<b>Total Revenues</b>	<b>311,839</b>	<b>211,568</b>	<b>120,381</b>	<b>190,005</b>	<b>98,400</b>	<b>88,400</b>	<b>89,800</b>
Contractual Services	5,627,378	4,651,231	4,923,700	4,963,017	5,000,000	5,100,000	5,200,000
<b>Total Expenditures</b>	<b>5,627,378</b>	<b>4,651,231</b>	<b>4,923,700</b>	<b>4,963,017</b>	<b>5,000,000</b>	<b>5,100,000</b>	<b>5,200,000</b>
Net Operating Income (Loss)	(5,315,539)	(4,439,663)	(4,803,319)	(4,773,012)	(4,901,600)	(5,011,600)	(5,110,200)
Interfund Transfers	5,000,000	2,000,000	10,000,000	10,000,000	3,500,000	6,000,000	6,000,000
Increase (Decrease) in Fund Bal.	(315,539)	(2,439,663)	5,196,681	5,226,988	(1,401,600)	988,400	889,800
<i>Percentage of Change</i>	-4%	-30%	149%	92%	-13%	10%	8%
<b>FUND BALANCE E.O.P.</b>	<b>\$8,146,261</b>	<b>\$5,706,597</b>	<b>\$8,678,257</b>	<b>\$10,933,585</b>	<b>\$9,531,985</b>	<b>\$10,520,385</b>	<b>\$11,410,185</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
4105 - General Insurance Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$8,437,695	\$6,013,548	\$5,172,250	\$6,929,258	\$6,188,170	\$7,080,957	\$5,796,783
Interest on Investments	205,358	162,024	98,262	81,070	66,300	64,400	50,600
Miscellaneous	1,036,938	1,139,832	-	203,409	-	-	-
<b>Total Revenues</b>	<b>1,242,296</b>	<b>1,301,855</b>	<b>98,262</b>	<b>284,479</b>	<b>66,300</b>	<b>64,400</b>	<b>50,600</b>
Personnel Services	666,453	910,828	750,000	885,126	1,159,113	1,193,886	1,229,703
Contractual Services	5,499,991	5,475,318	6,068,400	6,140,441	7,014,400	7,154,688	7,297,782
<b>Total Expenditures</b>	<b>6,166,444</b>	<b>6,386,145</b>	<b>6,818,400</b>	<b>7,025,566</b>	<b>8,173,513</b>	<b>8,348,574</b>	<b>8,527,485</b>
Net Operating Income (Loss)	(4,924,147)	(5,084,290)	(6,720,138)	(6,741,087)	(8,107,213)	(8,284,174)	(8,476,885)
Interfund Transfers	2,500,000	6,000,000	6,000,000	6,000,000	9,000,000	7,000,000	7,000,000
Increase (Decrease) in Fund Bal.	(2,424,147)	915,710	(720,138)	(741,087)	892,787	(1,284,174)	(1,476,885)
<i>Percentage of Change</i>	-29%	15%	-14%	-11%	14%	-18%	-25%
<b>FUND BALANCE E.O.P.</b>	<b>\$6,013,548</b>	<b>\$6,929,258</b>	<b>\$4,452,111</b>	<b>\$6,188,170</b>	<b>\$7,080,957</b>	<b>\$5,796,783</b>	<b>\$4,319,898</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
4122 - Wastewater Emergency Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$1,848,189	\$2,421,732	\$3,279,894	\$2,781,665	\$2,694,420	\$3,827,020	\$3,865,520
Interest on Investments	92,905	91,713	70,608	63,301	32,600	38,500	38,800
<b>Total Revenues</b>	<b>92,905</b>	<b>91,713</b>	<b>70,608</b>	<b>63,301</b>	<b>32,600</b>	<b>38,500</b>	<b>38,800</b>
Construction and Engineering	1,000,000	201,382	-	650,546	-	-	-
Interfund Labor Transfers	19,361	30,398	-	-	-	-	-
<b>Total Expenditures</b>	<b>1,019,361</b>	<b>231,781</b>	<b>-</b>	<b>650,546</b>	<b>-</b>	<b>-</b>	<b>-</b>
Net Operating Income (Loss)	(926,457)	(140,067)	70,608	(587,245)	32,600	38,500	38,800
Interfund Transfers	1,500,000	500,000	500,000	500,000	1,100,000	-	-
Increase (Decrease) in Fund Bal.	573,543	359,933	570,608	(87,245)	1,132,600	38,500	38,800
<i>Percentage of Change</i>	31%	15%	17%	-3%	42%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$2,421,732</b>	<b>\$2,781,665</b>	<b>\$3,850,502</b>	<b>\$2,694,420</b>	<b>\$3,827,020</b>	<b>\$3,865,520</b>	<b>\$3,904,320</b>

**METROPOLITAN ST. LOUIS SEWER DISTRICT**  
**CHANGES IN FUND BALANCE**  
4123 - Stormwater Emergency Fund

	<b>FY19 Actual</b>	<b>FY20 Actual</b>	<b>FY21 Budget</b>	<b>FY21 Forecast</b>	<b>FY22 Budget</b>	<b>FY23 Budget</b>	<b>FY24 Budget</b>
FUND BALANCE B.O.P.	\$2,202,204	\$2,266,885	\$2,306,929	\$2,329,543	\$2,377,745	\$2,401,645	\$2,425,745
Interest on Investments	64,681	62,658	46,150	48,201	23,900	24,100	24,400
<b>Total Revenues</b>	<b>64,681</b>	<b>62,658</b>	<b>46,150</b>	<b>48,201</b>	<b>23,900</b>	<b>24,100</b>	<b>24,400</b>
<b>Total Expenditures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Net Operating Income (Loss)	64,681	62,658	46,150	48,201	23,900	24,100	24,400
Interfund Transfers	-	-	-	-	-	-	-
Increase (Decrease) in Fund Bal.	64,681	62,658	46,150	48,201	23,900	24,100	24,400
<i>Percentage of Change</i>	3%	3%	2%	2%	1%	1%	1%
<b>FUND BALANCE E.O.P.</b>	<b>\$2,266,885</b>	<b>\$2,329,543</b>	<b>\$2,353,079</b>	<b>\$2,377,745</b>	<b>\$2,401,645</b>	<b>\$2,425,745</b>	<b>\$2,450,145</b>





**An ordinance is 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 Trustees.**

**FY22 Budget Ordinance #15671 and  
Reconciliation**

# PROPOSED BUDGET ORDINANCE

## FY22

### Revenue:

Wastewater Revenue Fund	436,597,999
<b>Total Revenue Funds</b>	<u>436,597,999</u>

### Fund Transfers

Transfers from Wastewater Revenue Fund:	
General Fund	189,523,300
Sanitary Replacement Fund	107,000,000
Wastewater Emergency Fund	1,100,000
Water Backup Insurance and Reimbursement Fund	3,500,000
General Insurance Fund	9,000,000
Debt Service Funds	126,471,987
<b>Total Wastewater Revenue Transfers</b>	<u>436,595,287</u>

### Appropriations:

General Fund	176,143,398
Water Backup Insurance and Reimbursement Fund	5,000,000
General Insurance Fund	8,173,513
Tax Commission Fees	647,609
Interfund Labor Transfers	34,378,037
<b>Total Operating Budget</b>	<u>224,342,557</u>
Debt Service Funds	126,471,987
Construction Funds	773,500
<b>Total Other Appropriations</b>	<u>127,245,487</u>
<b>Total Appropriations</b>	<u><u>351,588,044</u></u>

**PROPOSED FY22 BUDGET ORDINANCE NO. 15671**

AN ORDINANCE, repealing and superseding Ordinance No. 15420, adopted June 11, 2020, and making appropriations for the current expenses of the District in the General Fund, the Water Backup Insurance and Reimbursement Fund, the General Insurance Fund, the Sanitary Replacement Fund, the Stormwater Operations, Maintenance and Construction Improvement Funds, the Emergency Funds, the Debt Service Funds, and the Wastewater Revenue Bond Service Funds for the fiscal year beginning July 1, 2021 and ending June 30, 2022, amounting in the aggregate to Three Hundred Fifty-eight Million One Hundred Forty-five Thousand Five Hundred Ninety-five Dollars (\$358,145,595) to pay interest falling due on bonds issued, the costs of support, operation, and maintenance of the District and its various subdistricts, and emergencies, and shall state the District's objectives for the succeeding five years and include objective targets by which to measure the district's performance in meeting these objectives in accordance with the requirements of this Proposed Ordinance to be introduced May 13, 2021.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE METROPOLITAN ST. LOUIS SEWER DISTRICT:

**REVENUE FUNDS**

Section One – Wastewater Revenue Fund. The total dollars collected in the Wastewater Revenue Fund is estimated to be Four Hundred Thirty-six Million Five Hundred Ninety-seven Thousand Nine Hundred Ninety-nine Dollars (\$436,597,999) and is hereby transferred from the Wastewater Revenue Fund to the General Fund of the District for the support, operation and maintenance of several departments, Board, Civil Service Commission, the Water Backup Insurance and Reimbursement Fund, the General Insurance Fund, the Wastewater Emergency Fund, the Sanitary Replacement Fund, and the Wastewater Revenue Bond Service Funds for other lawful activities of the District including the payment of interest and principal falling due on bonds issued for the fiscal year beginning July 1, 2021, and ending June 30, 2022.

WASTEWATER USER CHARGE REVENUE \$436,597,999

**EXPENSE APPROPRIATIONS**

Section Two – General Fund. There is hereby transferred from the Wastewater Revenue Fund the sum of One Hundred Eighty-nine Million Five Hundred Twenty-six Thousand Twelve Dollars (\$189,526,012). There is hereby appropriated and set apart out of the General Fund of the District the sum of One Hundred Seventy-six Million One Hundred Forty-three Thousand Three Hundred Ninety-eight Dollars (\$176,143,398) for the support, operation and maintenance of several departments, Board, Civil Service Commission, Rate Commission and other lawful activities of the District.

SECTION TWO APPROPRIATIONS \$176,143,398

Section Three – Wastewater Backup Insurance and Reimbursement Fund. For the purpose of providing water backup insurance and reimbursement for basement backups, there is hereby transferred from the Wastewater Revenue Fund the sum of Three Million Five Hundred Thousand Dollars (\$3,500,000) to the Water Backup Insurance and Reimbursement Fund. There is hereby appropriated and set apart out of the Water Backup Insurance and Reimbursement Fund the sum of Five Million Dollars (\$5,000,000).

SECTION THREE APPROPRIATIONS \$5,000,000

Section Four – General Insurance Fund. For the purpose of providing workers' compensation, property insurance, general liability insurance, auto liability insurance and flood insurance there is hereby transferred from the Wastewater Revenue Fund the sum of Nine Million Dollars (\$9,000,000) to the General Insurance Fund. There is hereby appropriated and set apart out of the General Insurance Fund the sum of Eight Million One Hundred Seventy-three Thousand Five Hundred Thirteen Dollars (\$8,173,513).

#### SECTION FOUR APPROPRIATIONS

\$8,173,513

Section Five – Improvement Fund. For the purpose of providing for the cost of improvements there is hereby appropriated and set apart out of the Improvement Fund the sum of Twenty-four Thousand Eight Hundred Ninety-three Dollars (\$24,893).

#### SECTION FIVE APPROPRIATIONS

\$24,893

Section Six – For the purpose of providing Stormwater Operations, Maintenance, Administration, and Construction Improvements, there is hereby appropriated Twenty-seven Million Three Hundred Eight Thousand One Hundred Forty-six Dollars (\$27,308,146). Appropriations will be executed through the Stormwater and Operations, Maintenance, and Construction Improvement Funds as follows:

Section Six (1) – Stormwater Regulatory Fund (5110). For the purpose of providing for operations, maintenance, administration, and construction Improvement, there is hereby appropriated and set apart out of the Stormwater Regulatory Fund the sum of Five Million Nine Hundred Sixteen Thousand Two Hundred Twenty-four Dollars (\$5,916,224) for use by the Executive Director.

Section Six (2) – Districtwide Stormwater Fund (5120). For the purpose of providing for operations, maintenance, administration, and construction Improvement, there is hereby appropriated and set apart out of the Districtwide Stormwater Fund the sum of Twenty Million Eighty-three Thousand Three Hundred Twenty-two Dollars (\$20,083,322) for use by the Executive Director.

Section Six (3) – Clayton Central OMCI Fund (5563). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart out of the Clayton Central OMCI Fund the sum of One hundred Fifty-four Thousand Three Hundred Twenty-four Dollars (\$154,324) for use by the Executive Director.

Section Six (4) – Coldwater Creek OMCI Fund (5564). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart

out of the Coldwater Creek OMCI Fund the sum of One Hundred Eighty-six Thousand Two Hundred Ninety-eight Dollars (\$186,298) for use by the Executive Director.

Section Six (5) – Creve Coeur OMCI Fund (5565). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart out of the Creve Coeur OMCI Fund the sum of Eight Thousand Three Hundred Thirty-six Dollars (\$8,336) for use by the Executive Director.

Section Six (6) – Deer Creek OMCI Fund (5566). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart out of the Deer Creek OMCI Fund the sum of Five Hundred Seventy Thousand Three Hundred Fifty-two Dollars (\$570,352) for use by the Executive Director.

Section Six (7) – Gravois Creek OMCI Fund (5571). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart out of the Gravois Creek OMCI Fund the sum of Sixty-seven Thousand Six Hundred Forty-nine Dollars (\$67,649) for use by the Executive Director.

Section Six (8) – Loretta Joplin OMCI Fund (5574). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart out of the Loretta Joplin OMCI Fund the sum of Six Thousand Five Hundred Thirty-three Dollars (\$6,533) for use by the Executive Director.

Section Six (9) – Maline Creek OMCI Fund (5576). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart out of the Maline Creek OMCI Fund the sum of Thirty-eight Thousand Sixty-four Dollars (\$38,064) for use by the Executive Director.

Section Six (10) – Sugar Creek OMCI Fund (5583). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart out of the Sugar Creek OMCI Fund the sum of Sixty-One Thousand Four Hundred Twenty-six Dollars (\$61,426) for use by the Executive Director.

Section Six (11) – University City Branch River Des Peres OMCI Fund (5584). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart out of the University City Branch of River Des Peres OMCI Fund the sum of One Hundred Seventy-two Thousand Nine Hundred Thirty-one Dollars (\$172,931) for use by the Executive Director.

Section Six (12) – Seminary Branch River Des Peres OMCI Fund (5593). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart out of the Seminary Branch of River Des Peres OMCI Fund the sum of Thirty-nine Thousand Four Hundred Forty-three Dollars (\$39,443) for use by the Executive Director.

Section Six (13) – Black Creek OMCI Fund (5594). For the purpose of providing for Operations, Maintenance, Administration, Construction Improvement, there is hereby appropriated and set apart out of the Black Creek OMCI Fund the sum of Three Thousand Two Hundred Forty-four Dollars (\$3,244) for use by the Executive Director.

SECTION SIX APPROPRIATIONS \$ 27,308,146

Section Seven – Wastewater Emergency Fund. For the purpose of providing for emergency work or repairs requiring prompt attention, there is hereby transferred from the Wastewater Revenue Fund to the Wastewater Emergency Fund the sum of One Million One Hundred Thousand Dollars (\$1,100,000). There is hereby appropriated and set apart out of the Wastewater Emergency Fund the sum of Zero Dollars (\$0) for use by the Executive Director in contracting for emergency work or repairs.

SECTION SEVEN APPROPRIATIONS \$0

Section Eight – Stormwater Emergency Fund. For the purpose of providing for emergency work or repairs requiring prompt attention, there is hereby appropriated and set apart out of the Stormwater Emergency Fund the sum of Zero Dollars (\$0) for use by the Executive Director in contracting for emergency work or repairs.

SECTION EIGHT APPROPRIATIONS

\$0

Section Nine – Debt Service Funds. For the purpose of providing for the support of the Wastewater Revenue Bond Debt Service of the Metropolitan St. Louis Sewer District for the fiscal year beginning July 1, 2021 and ending June 30, 2022, there is hereby transferred from the Wastewater Revenue Fund to the Wastewater Revenue Bond Service Funds the total sum of One Hundred Twenty-six Million Four Hundred Seventy-one Thousand Nine Hundred Eighty-seven Dollars (\$126,471,987) to be reallocated between said funds and, if necessary, the General Fund by the Executive Director to meet the changing requirements of the Debt Service Funds. Appropriations will be executed through the Debt Service Funds as follows for total District principal and interest falling due on outstanding revenue bonds, including any new issues planned during the fiscal year, and banking fees relating to the debt with allowances for redistribution of these appropriations among the Wastewater Revenue Bond Service Funds and, if necessary, the General Fund by the Executive Director to meet the changing requirements of the Debt Service Funds:

Section Nine (1) – 2004A SR Rev Bond Principal and Interest – WW – Fund (2804). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2804 the sum of Twenty-four Million One Hundred Eighty-eight Thousand Four Hundred Dollars (\$24,188,400).

Section Nine (2) – 2010B SR Rev Bond – Principal and Interest - WW – Fund (2812). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2812 the sum of Three Million Three Hundred Thirty-four Thousand Seven Hundred Dollars (\$3,334,700).

Section Nine (3) – 2011B SR Revenue Bond – Principal and Interest - WW – Fund (2816). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2816 the sum of Four Hundred Fifty-five Thousand Eight Hundred Dollars (\$455,800).

Section Nine (4) – 2012A SR Revenue Bond – Principal and Interest - WW – Fund (2817). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2817

the sum of Six Million Nine Hundred Thirty-one Thousand Dollars (\$6,931,000).

Section Nine (5) – 2012B SR Revenue Bond – Principal and Interest - WW – Fund (2818). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2818 the sum of Five Million Nine Hundred Seventeen Thousand Nine Hundred Dollars (\$5,917,900).

Section Nine (6) - 2013B SR Revenue Bond – Principal and Interest - WW – Fund (2819). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2819 the sum of Five Million Two Hundred Eighty-four Thousand Six Hundred Dollars (\$5,284,600).

Section Nine (7) – 2013A SRF – Principal and Interest – Fund (2820). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Proposed Fund the sum of Three Million Two Hundred Twelve Thousand Six Hundred Dollars (\$3,212,600).

Section Nine (8) – 2015A SRF – Principal and Interest – Fund (2821). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2821 the sum of Four Million Five Hundred Ninety-five Thousand Nine Hundred Dollars (\$4,595,900).

Section Nine (9) – 2015B SR Revenue Bond – Principal and Interest - WW – Fund (2822) There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2822 the sum of Eleven Million Three Hundred Twenty Thousand One Hundred Dollars (\$11,320,100).

Section Nine (10) – 2016A SRF – Principal and Interest – Fund (2823). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2823 the sum of One Million One Hundred Eighty-six Thousand Eight Hundred Dollars (\$1,186,800).

Section Nine (11) – 2016B SRF – Principal and Interest – WW Fund (2824). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2824 the sum of Four Million Four Hundred Seventy-three Thousand Nine Hundred Dollars (\$4,473,900).

Section Nine (12) – 2016C SR Revenue Bond – Principal and Interest - WW – Fund (2825). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2825 the sum of Nine Million Five Hundred Forty-three Thousand Six Hundred Dollars (\$9,543,600).

Section Nine (13) – 2017A SR Revenue Bond – Principal and Interest - WW – Fund (2826). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2826 the sum of Twenty Million Six Hundred Seven Thousand Eight Hundred Dollars (\$20,607,800).

Section Nine (14) – 2018A WIFIA – Principal and Interest - WW – Fund (2827). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2827 the sum of Seven Hundred Ninety Thousand Seven Hundred Dollars (\$790,700).

Section Nine (15) – 2018B SRF – Principal and Interest – WW – Fund (2828). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2828 the sum of Nine Hundred Fifty-two Thousand Four Hundred Dollars (\$952,400).

Section Nine (16) – 2019A SRF – Principal and Interest – WW – Fund (2829). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2829 the sum of Two Hundred Thirty-four Thousand Seven Hundred Dollars (\$234,700).

Section Nine (17) – 2019B SR Rev Bond – Principal and Interest – WW – Fund (2830). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2830 the sum of Three Million Four Hundred Forty-four Thousand Eight Hundred Dollars (\$3,444,800).

Section Nine (18) – 2019C SR Ref Taxable Rev Bond – Principal and Interest – WW – Fund (2831). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2831 the sum of Nine Million Eight Hundred Twenty-seven Thousand Four Hundred Dollars (\$9,827,400).

Section Nine (19) – 2020A SRF – Principal and Interest – WW – Fund (2832). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2832 the sum of One Hundred Seventy-six Thousand Dollars (\$176,000).

Section Nine (20) – 2020B SR Rev Bond - Principal and Interest – WW – Fund (2833). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2833 the sum of Seven Million Seven Hundred Ninety-seven Thousand Eight Hundred Dollars (\$7,797,800).

Section Nine (21) – 2021A SRF – Principal and Interest – WW – Fund (2834). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2834 the sum of Four Hundred Sixty-four Thousand Two Dollars (\$464,002).

Section Nine (22) – 2021B SRF – Principal and Interest – WW – Fund (2835). There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Fund Number 2835 the sum of One Million Two Hundred Seventy-five Thousand Nine Hundred Forty Dollars (\$1,275,940).

Section Nine (23) – Proposed Principal and Interest Fund Bond 1. There is hereby appropriated and set apart out of the Wastewater Revenue Bond Service Proposed Fund the sum of Four Hundred Fifty-five Thousand One Hundred Forty-five Dollars (\$455,145).

SECTION NINE APPROPRIATIONS \$126,471,987

Section Ten – Sanitary Replacement Fund. For the purpose of meeting the costs of repairing, rehabilitating, and replacing the District's Wastewater System, there is hereby transferred from the Wastewater Revenue Fund to the Sanitary Replacement Fund the sum of One Hundred Seven Million Dollars (\$107,000,000). There is hereby appropriated and set apart out of the Sanitary Replacement Fund the sum of Eight Million Four Hundred Sixty-six Thousand One Hundred Seven Dollars (\$8,466,107) for use by the Executive Director for internal labor costs associated with projects appropriated in this fund.

SECTION TEN APPROPRIATIONS \$8,466,107

TOTAL DISTRICT BUDGET APPROPRIATIONS \$351,588,044

SUMMARY OF APPROPRIATIONS FY22	
Fund(s)	Appropriation
General Fund	\$176,143,398
Water Backup Insurance and Reimbursement Fund	5,000,000
General Insurance Fund	8,173,513
Improvement Fund	24,893
Stormwater & OMCI Funds	27,308,146
Emergency Funds	0
Debt Service Funds	126,471,987
Sanitary Replacement Fund	8,466,107
<b>Total District Appropriations</b>	<b>\$351,588,044</b>

The foregoing Ordinance was adopted June 10, 2021.



**FY22 BUDGET**





**The Wastewater Sewer Service Charges are established through an ordinance and must be approved by the Board of Trustees to be enacted. A Rate Commission process is used to review and make recommendations regarding the rates to the Board of Trustees.**

**FY22 Wastewater Ordinance #15669**

WASTEWATER ORDINANCE NO. 15669

AN ORDINANCE repealing and superseding Ordinance Nos. 15418 adopted June 11, 2020 and enacting a new ordinance in lieu thereof for purposes of providing funding for the Wastewater System.

WHEREAS, The Metropolitan St. Louis Sewer District, a body corporate, a municipal corporation and a political subdivision of the State of Missouri (herein called the "District"), now owns and operates a revenue producing sewer and drainage system serving the District and its inhabitants (the "System") and pursuant to Section 3.020(1) of the Charter of the District adopted by the voters within the District for its government (the "Charter"), has the power "to maintain, operate, reconstruct, and improve the same as a comprehensive sewer and drainage system, and to make additions, betterments, and extensions thereto; to protect the public health and welfare by preventing or abating the pollution of water; and ... [has] all the rights, privileges, and jurisdiction necessary or proper for carrying such powers into execution"; and

WHEREAS, the District is subject to the provisions of the federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251 et seq., commonly referred to as the Clean Water Act (the "Federal Clean Water Act") and the Missouri Clean Water Law, §§ 644.006 et seq. R.S.MO. 1986, as amended (the "Missouri Clean Water Law") the objectives of which are to restore and maintain the chemical, physical, and biological integrity of the nation's waters; and

WHEREAS, the District is subject to a federal consent decree with the EPA and the Missouri Coalition for the Environment entered by the United States District Court for the Eastern District of Missouri on April 27, 2012 (the "Consent Decree") and amended by the United States District Court for the Eastern District of Missouri on June 22, 2018, and the Consent Decree imposes obligations

on the District to construct improvements to the Wastewater System over the span of 28 years; and

WHEREAS, Section 3.020 (16) of the Charter of the District authorizes the Board of Trustees "[t]o establish by ordinance a schedule or schedules of rates, rentals, and other charges, to be collected from all the real property served by the sewer facilities of the District, whether public or private, and to prescribe the manner in which and time at which such rates, rentals, and charges are to be paid, and to change such schedule or schedules from time to time as the Board may deem necessary, proper, or advisable, and to collect or enforce collection of all such charges. Such schedule or schedules may be based upon any classifications or sub-classifications which the Board may determine to be fair and reasonable, ... including but not limited to: (a) the consumption of water on premises connected with such facilities, taking into consideration commercial, industrial, and agricultural use of water; (b) the number and kind of plumbing fixtures connected with such facilities; (c) the number of persons served by such facilities; or (d) any combination of the factors enumerated. Any such rates, rentals, or other charges against public property shall be paid out of the general treasury of the public body, agency, corporation, or authority owning such property."; and

WHEREAS, Section 7.040 of the Charter of the District established a Rate Commission of the District (the "Rate Commission"), to review and make recommendations to the District's Board of Trustees (the "Board") regarding all proposed changes in Wastewater rates, stormwater rates and tax rates or change in the structure of any of the foregoing; and

WHEREAS, the Rate Commission after having conducted public hearings and weighing evidence regarding the proposed Wastewater User rate change, issued its Rate Recommendation Report on August 16, 2019, which recommended the Wastewater user rates as hereinafter adopted; and

WHEREAS, through Resolution No. 3547, adopted October 10, 2019, the Board accepted said Rate Recommendation Report as issued by the Rate Commission on August 16, 2019.

WHEREAS, the Board has determined that it is appropriate to revise the schedule of Wastewater User Charges as provided in this Ordinance to provide for the determination and billing of such user charges; and

WHEREAS, the Board is concerned with the impact of the Wastewater User Charges as provided by this Ordinance on customers of the District, and to address that concern, the Board renews the assistance program (the "Customer Assistance Program") to provide an assistance credit on bills for Wastewater User Charges to eligible customers pursuant to Ordinance No. 14867 previously adopted by the District; and

WHEREAS, the revenues to be derived from the Wastewater User Charges will be set aside in a separate fund and used for the purposes of operating, maintaining and replacing the Wastewater System in the District, as herein provided; and

WHEREAS, the Wastewater User Charges bear a substantial relationship to and are designed to cover the costs of operating, maintaining and replacing the Wastewater System, as herein provided; and

WHEREAS, the Board does hereby find and determine that the imposition of the schedule of increased Wastewater User Charges as provided in this Ordinance, is necessary to enable the District to operate its Wastewater System on a sound basis, to satisfy the requirements of the Plan, the Federal Clean Water Act and the Missouri Clean Water Law, and to comply with the mandates of the District's Grant Agreements and the Consent Decree.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE METROPOLITAN ST. LOUIS SEWER

DISTRICT:

Section One. Definitions of Words and Terms. In addition to words and terms defined elsewhere in this Ordinance, the following words and terms as used in this Ordinance and in the Recitals shall have the following meanings, unless some other meaning is plainly intended or otherwise indicated:

1. "Approved Meter" means a water meter meeting the standards of meters used by the City of St. Louis Water Division, the Missouri American Water Company, or the public water supplier which provides water service to such Property, or a sewage flow meter satisfactory to the District.

2. "Base Charge" means the sum of the System Availability Charge and the Billing and Collection Charges pursuant to Section Three of this Ordinance.

3. "Billing and Collection Charges" means the charges established by the District pursuant to Section Three of this Ordinance, which are designed to include all costs related to issuing and collecting bills.

4. "Best Equated Period" means a 90 to 92 day period of water usage for Metered Residential Property between November and March of the preceding winter period when lawn watering and other outdoor water uses are at a minimum and metered water use can best be equated to Wastewater discharges; provided that if the water bill issued during such period covers water usage for a period less than 90 days or more than 92 days the Best Equated Period shall mean a 91 day period and water usage shall be calculated based on average daily usage for the actual billing period. If water usage is less than one hundred cubic feet (CCF) for the aforesaid 90 to 92 day period, and water service remained active for said period, a minimum water usage of 1 CCF shall be imposed for said "Metered

Residential Property". If water service is instituted after the aforesaid 90 to 92 day period, a typical water usage of 6 CCF shall be imposed for said "Metered Residential Property" until such time as the actual "Best Equated Period" data can be established.

5. "Biochemical Oxygen Demand" or "BOD" means the quantity of oxygen utilized in the biochemical oxidation of organic matter in five (5) days as determined by Standard Test Procedures and expressed in milligrams per liter.

6. "Board" means the Board of Trustees of the District.

7. "Capital Charge" means that portion of the total charges for wastewater services provided by the District which is established for debt retirement, construction or reconstruction of the Wastewater System and any other lawful purpose of the District or its sub districts and not considered part of the Wastewater User Charges, or the Storm Water User Charges.

8. "CCF" means one hundred cubic feet.

9. "Chemical Oxygen Demand" or "COD" means the quantity of oxygen utilized in the chemical oxidation of organic and inorganic matter as determined by Standard Test Procedures and expressed in milligrams per liter.

10. "Compliance Charge" means the charge established by the District pursuant to Section Three (A)(3) of this Ordinance which is designed to recover all District compliance activities for Non-Residential Properties required to comply with federal environmental regulations which are not recovered by specific environmental permit fees or other related fees.

11. "Consent Decree" means the consent decree between the District, the EPA and the Missouri Coalition for the Environment that was entered by the United States District Court for the Eastern District of Missouri on April 27, 2012 and amended by the United States District Court for the Eastern District of Missouri on June 22, 2018 and that imposes obligations on MSD to

construct improvements to its Wastewater System.

12. "Contributed Wastewater Volume" means the quantity of water-borne wastes emanating from Property and, specifically, (1) for Metered Single-Unit Residential Property, means billed water usage during the Best Equated Period; (2) for Metered Non-Residential/Multi- Unit Residential Property, means either (a) billed water usage throughout the year with exemption allowances for any water that does not enter the Wastewater System, or (b) measured Wastewater volume; and (3) for Unmetered Residential Property, means average indoor water usage characteristics of various housing attributes, as defined in the Rate Recommendation Report, applied to the number of rooms and plumbing fixtures of each User's Property, as determined by the District. All metered volumes are rounded to the nearest hundred cubic feet (CCF).

13. "District" means The Metropolitan St. Louis Sewer District.

14. "Extra Strength Surcharges" or "ESS" means the Extra Strength Surcharges imposed by Section Three (A)(2) of this Ordinance.

15. "Metered Non-Residential/Multi-Unit Residential Property" means Property used both for non-residential and residential purposes which consist of one or more non-residential units and one or more residential dwelling units connected to an Approved Meter.

16. "Metered Property" means all Property connected to an Approved Meter through which the amount of water usage is measured.

17. "Metered Residential Property" means Property used only for human residency which consists of one or more residential units connected to an Approved Meter.

18. "Non-residential Property" means all Property other than Residential Property.

19. "Normal Wastewater" means waters or wastes having (a) a 5-day Biochemical Oxygen Demand (BOD) not greater than 300 milligrams per liter; and (b) containing not more than 300 milligrams per liter of Suspended Solids (SS); and (c) having a Chemical Oxygen Demand (COD) not greater than 600 milligrams per liter.

20. "Ordinance" means this Ordinance of the District, including any superseded versions in effect at the time the District provided Wastewater services to the Property, unless a different Ordinance is indicated.

21. "Owner" or "Owners" means the Person or Persons designated as the owner or owners of Property as set forth in the records of the office of the respective Assessor's Office or Records of Deeds for the City of St. Louis or for St. Louis County, Missouri, including the record Owner(s) at the time the District provided Wastewater services to the Property.

22. "Person" means any individual, firm, proprietorship, partnership, company, limited liability company, professional corporation, municipality, state, federal or local governmental entity, association, society, corporation, group, or other entity.

23. "Plan" or "Charter" means the Plan of the Metropolitan St. Louis Sewer District as approved by the voters of the City of St. Louis and St. Louis County at a special election held on February 9, 1954 and amended by said voters on November 7, 2000, June 5, 2012, and April 6, 2021.

24. "Pollutant" means any material or substance, toxic or otherwise, discharged to the Wastewater System which either singularly or in combination with other materials or substances interferes with, disrupts, or inhibits the Wastewater System's operations, or is not in compliance with specific prohibitions or standards developed by District, federal, state or local governments, or passes



through the Wastewater System in a concentration which violates established effluent regulations or water quality standards.

25. "Property" means an improved lot or parcel of real property, whether public or private, which is served by the Wastewater System.

26. "Rate Commission" means that body established pursuant to Section 7.040 of the Charter of the District to review and make recommendations to the Board of Trustees regarding all proposed changes in wastewater rates, storm water rates and tax rates or change in the structure of any of the foregoing.

27. "Residential Property" means Property used only for human residency.

28. "Room/Fixture Charges" means the charges established by the District pursuant to Section Three of this Ordinance billed to each Unmetered Residential Property User Account based on Contributed Wastewater Volume as measured by the number of rooms and plumbing fixtures in such User's Property as determined by the District.

29. "Property Served" means Property with a sewer connected, either directly or indirectly, to the District's Wastewater System, or Property which otherwise discharges Wastewater directly or indirectly into the Wastewater System; or if the discharge of such substances therefrom ultimately enters the District's Wastewater System.

30. "Sewer Use Ordinance" means Ordinance No. 15048, adopted November 8, 2018.

31. "Standard Test Procedures" means "Guidelines Establishing Test Procedures for Analysis of Pollutants Under Clean Water Act" (40 CFR 136), as supplemented and amended from time to time.

32. "Suspended Solids" or "SS" means solids that either float on the surface of, or are suspended in water, Wastewater, or

other liquids, as determined by analysis for non-filterable residue, in accordance with Standard Test Procedures and expressed in milligrams per liter.

33. "System Availability Charge" means the charge established by the District pursuant to Section Three of this Ordinance which is designed to recover a portion of the costs related to infiltration and inflow.

34. "Unit" means the portion of Residential Property designed for occupancy by a single person or single family.

35. "Unmetered Residential Property" means Residential Property which is not connected to an Approved Meter.

36. "User" means: (1) the Person occupying the Property; and/or (2) the Owner or Owners of the Property; and/or the Person holding a permit for water service to the Property Served ; and/or (4) any Person Served by the Wastewater System.

37. "User Account" means each separate account to which a bill for Wastewater User Charges is issued by the District.

38. "Volume Charge" means the Volume Charges established by the District pursuant to Section Three of this Ordinance billed to each Metered Property User Account based on Contributed Wastewater Volume.

39. "Wastewater" means the water-borne wastes emanating from Property, together with such groundwater, surface water, or storm water which enters the Wastewater System.

40. "Wastewater System" means the entire sewer and drainage system owned and operated by the District for the collection, transportation, storage, handling, and treatment of Wastewater, to serve the needs of the District and its inhabitants and others, including all appurtenances and facilities connected therewith or relating thereto, together with all extensions, improvements, additions and enlargements thereto hereafter made or acquired by the District.

41. "Wastewater User Charges" means the applicable charges established by Section Three of this Ordinance, which consist of that portion of the charges of the District, which are established in a proportional and adequate manner to pay the cost of operation and maintenance (including replacement) of the Wastewater System in accordance with the requirements of the EPA and the MDNR.

Section Two. Establishment of Wastewater User Charges. The Wastewater User Charges as set forth in Appendix I are hereby ratified confirmed and established for services provided by the District to any Property. All such Wastewater User Charges shall be in addition to any applicable Capital Charges.

(A) The District's Wastewater User Charges must comply with the following mandates (the "Environmental Mandates"): (i) to have an approved Wastewater User Charge as required by the Federal Clean Water Act, the Missouri Clean Water Law and its Grant Agreements, and (ii) to provide necessary funds to operate, maintain and replace its Wastewater System so as to provide adequate Service to District residents and as required by the Consent Decree. The District finds that it is necessary and in the public interest to implement the schedule of Wastewater User Charges as herein provided in order to protect the public health, safety and welfare and to ensure the District's continued compliance with the Environmental Mandates.

Section Three. Wastewater User Charges.

(A) Metered Property.

(1) Each Metered Property shall be charged a Base Charge and a Volume Charge as set forth in Appendix I. The Volume Charge shall be calculated separately for each Metered Property, using the most current determination of Contributed Wastewater Volume. A minimum of 1 CCF per Metered Property, or per unit in the case of Multi-unit Residential Properties, will be

charged.

(2) Extra Strength Surcharges. Extra Strength Surcharges for the treatment of wastes containing Suspended Solids, Biochemical Oxygen Demand or Chemical Oxygen Demand exceeding Normal Wastewater strengths are hereby established and shall be billed to and collected from Non-residential Property Served by the Wastewater System at the rates for each User Account set forth in Appendix I, and shall be collected in addition to the charges imposed by Subsections (1) and (3) hereof.

(a) A User shall be subject to Extra Strength Surcharges in any month if that User's water usage in such month equals or exceeds eight thousand cubic feet.

(b) Each User subject to Extra Strength Surcharges shall submit to the District on forms supplied by the District pursuant to the Sewer Use Ordinance, a certified statement setting forth the strength and volume of Wastewater discharged by the User into the Wastewater System or into any sewer connected thereto. The data set forth in such statement shall be obtained from samples collected in accordance with accepted procedures from the manhole or adequate place as described in the Sewer Use Ordinance at a time period representative of normal operational conditions and analyzed utilizing Standard Test Procedures.

(c) Analytical data reported by the User discharging such Wastewater will be considered current for each subsequent billing period until such data is reported inaccurate and replaced by updated certified data by said User. The results of routine scheduled sampling and analyses by the District may be used in lieu of data reported by said User if such data is found to be not current or in error.

(d) An Extra Strength Surcharge shall be collected from any User subject to Extra Strength Surcharges as

provided for herein for the discharge into the Wastewater System of Suspended Solids which average concentration exceeds 300 milligrams per liter or Biochemical Oxygen Demand which average concentration exceeds 300 milligrams per liter, with said Extra Strength Surcharge calculated for each billing period according to the following formula, to wit:

$$\frac{0.00624 \times V}{ESS = 2000} \times [(SS-300) \times RSS + (BOD-300) \times RBOD]$$

(e) If the BOD/COD ratio of a User's Wastewater is equal to or less than 0.35 the BOD measurement may not be considered representative of the User's actual Wastewater strength. The District may substitute Chemical Oxygen Demand which average concentration exceeds 600 milligrams per liter, with said Extra Strength Surcharge calculated for each billing period according to the following formula, to wit:

$$\frac{0.00624 \times V}{ESS = 2000} \times [(SS-300) \times RSS + (COD-600) \times RCOD]$$

In the above formulas the following terms shall mean:

ESS = Extra Strength Surcharges.

300 = Maximum concentration of total BOD in Normal Wastewater in milligrams per liter.

300 = Maximum concentration of total Suspended Solids in Normal Wastewater in milligrams per liter.

600 = Maximum concentration of total COD in Normal Wastewater in milligrams per liter.

0.00624 = Conversion factor for milligrams per liter to pounds per hundred cubic feet.

V = Volume of water usage or Wastewater discharged expressed in hundred cubic feet.

RSS = Rate for SS in dollars per ton.

RBOD = Rate for BOD in dollars per ton.

RCOD = Rate for COD in dollars per ton.

2,000 = The number of pounds per ton.

(f) All Extra Strength Surcharges shall be calculated separately for each Property using the Wastewater flow proportioned average strength concentration for each strength parameter and the most current determination of Contributed Wastewater Volume. No credit is given when the wastewater strength is less than normal wastewater.

(3) Non-residential Property Compliance Charge. A Compliance Charge shall be collected from all Non-residential Property Served by the Wastewater System at the rate for each User Account as set forth in Appendix I and shall be collected in addition to the charges imposed by Subsections (1) and (2) hereof.

(4) Registration of Unmetered Water Supply. In the event Property is supplied either in whole or in part with water from wells or any source other than a public water supplier, then such wells or other source of supply shall be registered with the Director of Finance of the District. If such supply serves Metered Property and is not measured by a water meter, or is measured by a water meter not acceptable to the District, then in such case, the User, at the User's own expense shall install and maintain an Approved Meter connected to such water supply. Whenever a new supplier or source of water other than a public water supplier shall be put into use by Metered Property, such source of water shall be registered with the Director of Finance of the District within thirty (30) days.

(5) Metered Water Not Entering the Wastewater System. Where it can be shown to the satisfaction of the District

that a portion of the water as measured by an Approved Meter does not enter the Wastewater System, then the District is hereby authorized to determine, in such manner and by such method as may be practicable, the percentage of the water measured by the Approved Meter which enters the Wastewater System. In such case, Wastewater User Charges shall be based upon the percentage of the metered water entering the Wastewater System. Additional Approved Meters may be required or permitted at the User's expense in such manner as to measure the quantity of Contributed Wastewater Volume entering the Wastewater System from the Property of such User. Applications requesting consideration for a reduction in the Wastewater Service Charge, because of water not entering the Wastewater System, shall be made to the Director of Finance of the District, on forms provided by the District.

(6) Requirement of an Approved Meter for Non-Residential Property. All Non-Residential Property within the District shall be connected to an Approved Meter. In the event Property within the District is owned by a municipality and is served by water provided by such municipality and not connected to an Approved Meter, the District shall provide a method for estimating Wastewater discharge by such Property which is fair and equitable, in lieu of connection to an Approved Meter, and shall bill such municipality for Wastewater User Charges as provided for Metered Property pursuant to this Ordinance based on such estimated Wastewater usage.

(B) Unmetered Residential Property. Each Unmetered Residential Property shall be charged a Base Charge and a Room/Fixture Charge as set forth in Appendix I. Such charges shall be calculated separately for each Unmetered Residential Property using the most current available data regarding the number of rooms and plumbing fixtures in such Property. The Director of Finance shall determine the number of rooms and plumbing fixtures in such Property from the records of the City of St. Louis Water Division

or other public water suppliers, from the records of the Office of Assessor of the City of St. Louis or St. Louis County, or from on-site inspection. A User of Unmetered Residential Property who considers the determination by the District of the number of rooms and plumbing fixtures for which such User is billed Wastewater User Charges to be inaccurate or erroneous may appeal such determination as herein provided.

(C) Right of Entry and Inspection. The District shall have the power to enter on any Property for the purposes of examining the use made of its Wastewater System, the number of rooms and plumbing fixtures in such Property, the number and kind of plumbing fixtures connected with such Wastewater System, and for the purpose of inspecting or reading the Approved Meter connected to such Property. When such examination gives reason to believe that the usage of water on such Property places a burden on the Wastewater System in excess of that for which the User of such Property is being billed, then the Wastewater discharged from such Property shall be measured, at the expense of the User, by a water meter or meters or by a Wastewater flow meter or meters. If such measurement shows that the flow of Wastewater is excessive, Wastewater User Charges shall be billed and collected for such measured usage as for Metered Property.

(D) Application of Wastewater User Charge Revenues. All revenues collected from Wastewater User Charges shall be segregated, credited and deposited in a Wastewater Revenue Fund to be established and maintained by the Director of Finance of the District, and shall be used solely to pay for the costs of the operation (including billing, collections, administration and overhead), repair, maintenance, improvement, renewal, replacement and reconstruction of the District's Wastewater System.

Section Four. Pollutants. Any User which discharges any Pollutants which cause an increase in the cost of managing the effluent



or sludge from the Wastewater System shall pay for such increased costs.

Section Five. Billing. All bills for Wastewater User Charges shall be prepared by the District and shall be issued monthly for services provided in the preceding month.

(A) The issuance of any monthly bill may be delayed by the District for good cause.

(B) On or after May 1, 2004, the Wastewater User Charges shall be billed to the Owner or Owners of the Property Served by the Wastewater System. Such Wastewater User Charges shall also constitute a personal obligation of any User regardless of to whom the bill for Wastewater User Charges is sent and shall constitute a charge and a lien against the Property Served, whether or not recorded with the Office of the Recorder of Deeds or a notice of lien has been served.

(C) For the District's convenience, all individual Wastewater User Charges may be combined with any other charges of the District, and all such charges may be billed together. In the event of a change in Owner or User of Property or termination of Service to Property during a billing period, application may be made to the Director of Finance of the District for a refund or proration of Wastewater User Charges for such billing period.

(D) The Owner of Metered Residential Property containing more than one unit shall have the option of being charged on the basis of Best Equated Period. The Owner may obtain an application for such change from the Director of Finance. Upon receipt of an Application of Change in billing basis for said Property the change in billing will take effect not sooner than sixty days from receipt of the application.

(E) Once an Owner of Metered Residential Property containing more than one (1) unit has elected to be charged on the basis

of Best Equated Period, that Owner shall not be permitted to again change.

(F) In the event Wastewater Service is being provided to any parcel of real Property and said parcel is being under-billed or not being billed at all, the District shall have the authority to charge the Owner of said parcel retroactively for a period not to exceed one and one-half (1½) years from the date of discovery.

(G) In the event said parcel is being over-billed by the District, and the current Owner of said parcel can verify such over-billing, then the District shall refund the current Owner of the parcel any amount verified to be overpaid by said Owner.

(H) The District will not collect Wastewater User Charges from the Owner or User of real Property when it is known that said real Property is connected to a septic tank. Upon notification from the Property Owner that certain real Property which is connected to a septic tank is being billed by the District for Wastewater User Charges, upon verification, the District will refund to the Owner any and all of said Wastewater User Charges so collected from said Owner.

Section Six. Charge for Late Payments. On or after July 1, 2009, any Wastewater User Charges billed that are not paid by the due date indicated on any bill rendered shall bear a late payment charge equal to three-fourths of one percent (0.75%) per month, or nine percent (9%) per annum, of the amount of the bill rendered and is hereby imposed for each month or portion thereof that the Wastewater User Charges remain unpaid beyond the due date.

Section Seven. Wastewater User Charges Constitute a Lien. The Wastewater User Charges shall constitute a lien upon the Property Served on the date a bill is rendered for Wastewater Service, whether or not recorded with the Office of the Recorder of Deeds or a notice of lien has been served and said lien shall have the same priority as taxes levied for state and county purposes. The District

may cause a notice of lien for non-payment of such charges to be recorded in the Office of the Recorder of Deeds within and for the City of St. Louis or St. Louis County, depending upon where such Property Served is located. Such notice of lien shall state the Wastewater User Charges due as of the date of recording and shall adequately describe the Property against which such lien is asserted. On the date of recording, the lien applies to the current amount of all unpaid Wastewater User Charges, all subsequent unpaid and delinquent Wastewater User Charges and other charges as described in Section Nine. A copy of such notice of lien shall be mailed to the Owner of the Property at the last address on file with the District and the recording of such notice in the Office of the Recorder of Deeds may be deferred as a matter of grace for not more than thirty (30) days from the mailing date. All Wastewater User Charges that remain unpaid shall bear interest at a rate not to exceed the lower of nine percent (9%) per annum or the maximum legal rate from the time a notice of lien is recorded with the appropriate recorder of deeds as herein prescribed, until such time as the account is brought current.

(A) After such notice of lien is recorded, all unpaid and delinquent Wastewater User Charges and all other unpaid charges including charges of the Recorder for recording the lien and recording the release of said lien shall also be payable to the District as a prerequisite to recording the release of said lien.

Section Eight. Termination of Service for Nonpayment. When any Wastewater User Charge has not been paid and has been delinquent for a period in excess of three (3) months, the District is authorized to order the water supply to be shut off for the Property for which the Wastewater User Charge is delinquent or to remove or close any sewer connections, or both, until payment of the delinquent charge together with all reasonable costs involved in shutting off and turning on the water, or closing and reopening the

sewer connection, as the case may be, have been paid.

(A) When any Wastewater User Charge has not been paid and has been delinquent for more than fifteen (15) days after the due date, then the District may refuse to issue to the Owner and/or User a permit to connect any other Property owned or controlled by said Owner and/or User to the Wastewater System or Storm Water System, or may refuse to review any plans submitted by or on behalf of such Owner and/or User or issue any permits requested by or on behalf of such Owner and/or User, or may refuse to contract for any purpose with or accept Wastewater or Storm Water from any such Owner and/or User.

Section Nine. Remedies. (A) Whenever any Owner and/or User fails to pay any Wastewater User Charge on an account after sixty (60) days from the billing date for such Charges, then the District may collect the amount of all such Charges, plus late charges or interest, collection costs including charges paid by the District to collection agencies, court costs, attorney's fees, sewer and/or water shutoff costs and other related costs, and any costs and attorney fees regarding the filing, enforcement and release of any recorded lien, as applicable, accrued and accruing on the account , by any or all of the following three (3) procedures:

1. by assignment or forwarding for collection to a collection agency or law firm; and/or
2. by a civil action or other proceedings in any court of competent jurisdiction; and/or
3. by enforcement of the lien provided herein.

(B) The District shall have the power to collect from and/or sue any Owner and/or User, jointly and severally, in a civil action to recover all delinquent Wastewater User Charges plus all of the other charges listed in Section 9A above. If a civil action is filed, the District may request the court to award post-judgment statutory interest and all other charges, as applicable, listed in Section

9A above, costs, including but not limited to court costs, costs for transcribing judgments, special process server or sheriff costs, investigations, credit reports, and video reports.

Section Ten. False Information. It shall be unlawful for any Person to furnish any false report or information to the District which would reduce any Wastewater User Charges imposed by the District.

Section Eleven. Violation of Ordinance. Any Person violating Section Ten of this Ordinance shall be deemed guilty of a misdemeanor and upon conviction shall be punished by a fine of not less than \$50.00 or more than \$500.00. The imposition of such penalty shall in no way restrict or deprive the District of its right to pursue any other remedy it may have for the collection of any delinquent bill for Wastewater User Charges.

Section Twelve. Wastewater User Charge Review. The Board shall regularly review the Wastewater User needs of the District and Wastewater User Charges, usually as a part of a Rate Proposal from the Rate Commission, to assure the appropriateness of the Wastewater User Charges and to:

- (A) Maintain the proportional distribution of operation, maintenance and replacement costs among User classes.
- (B) Provide adequate revenues to cover operation, maintenance and replacement costs.
- (C) Provide adequate revenues for the payment of debt service on or required by the provisions of any outstanding bonds.

Section Thirteen. Notice of Rates. Each User Account shall be notified at least annually in conjunction with a regular billing for Wastewater User Charges as to the rate schedule in effect; and

- (A) that part of Wastewater User Charges attributable to wastewater services.

Section Fourteen. Deposit of Funds. The funds received from the collection of any of the aforesaid charges shall be deposited daily as received by the Secretary-Treasurer of the District, and shall be deposited in duly designated bank accounts, and such moneys may be appropriated and used for the purposes of the District as herein provided.

Section Fifteen. Collection Offices. Collection offices may be established at convenient locations throughout the District. The Director of Finance is hereby authorized to enter into contracts with the owners or operators of business establishments to provide collection services at such locations as are selected and may provide in such contracts for the payment by the District of a fee to the collecting establishment for providing such collection services.

Section Sixteen. Appeals. Any Person who considers the Wastewater User Charges billed to such Person pursuant to the provisions of this Ordinance or any other determination by the District pursuant to the provisions of the Ordinance to be illegal, inaccurate or erroneous may request a review thereof by the Director of Finance or his or her designate within thirty (30) days of (i) the bill to such Person for Wastewater User Charges with respect to such Property, or (ii) written notice to such Person of a determination by the District which is contested. The determination by the Director of Finance may be appealed by such Person to the Executive Director, by written notice of appeal filed with the Director of Finance within thirty (30) days of the Director of Finance's determination. The determination by the Executive Director shall be considered a final order of the District.

Section Seventeen. Judicial Review. Any Person or Persons jointly or severally aggrieved by any final order of the Executive Director of the District may seek judicial review of such decision pursuant to the procedures set forth in Section 12.110 of the District's Plan.

Section Eighteen. Adjustment Review Committee. A committee, to be known as the Adjustment Review Committee (ARC), is hereby established and shall meet, at minimum, once a month to conduct its business. The ARC shall be comprised of the voting members which are the District's Director of Finance, Assistant Director of Finance, the Secretary-Treasurer, and General Counsel. Non-voting members are the Accounts Receivable Manager and Audit Administrator.

(A) For purposes of Section Eighteen of this Ordinance the following terms as used in this Ordinance shall have the following meanings, unless some other meaning is plainly intended.

(B) Adjustment - any change in billing resulting from errors and/or changes in circumstances.

(C) Write-off - an uncollectible amount due the District according to State or Federal Statute or as determined by majority approval of the ARC.

(D) Settlement - agreement between the customer and the District to alleviate all or part of a delinquent condition.

(E) On a monthly basis, the ARC shall review and properly record in the minutes all prior monthly billing adjustments as approved and presented by the Accounts Receivable Manager. These billing adjustments may result from but are not limited to: misapplied payment, CCF adjustment, reduction factor, water-off, and transfer of balance due to bankruptcy notice, new occupant/water meter registrant, bank encoding error, or water back-up.

(F) All write-offs or settlements of accounts shall require a majority of the ARC voting members to meet and discuss before approval. No write-off or settlement in excess of Five Thousand Dollars (\$5,000.00) and less than Twenty-five Thousand Dollars (\$25,000.00) shall be effective unless reviewed and approved by three (3) out of the four (4) voting members of the ARC. Any write-

off or settlement of Twenty-five Thousand Dollars (\$25,000.00) or greater shall require approval or ratification of the Board's Finance Committee. The suspension of these rules may occur when a time constraint exists and a decision must be made before the next scheduled meeting, or a situation exists from, but not limited to: foreclosure, sheriff or county tax sale, Land Reutilization Authority, Land Clearance for Redevelopment Authority, or discharged bankruptcy. In these instances, no settlements or write-offs in excess of Five Thousand Dollars (\$5,000.00) shall be effective unless reviewed and approved by three (3) out of four (4) voting members of the ARC on an individual basis or at a special meeting as requested by any of the ARC members. All such instances will be reported at the next regularly scheduled meeting of the ARC and recorded in the minutes.

(G) ARC activity will be reported to the Board's Finance Committee on a frequency determined by the Board's Finance Committee.

(H) The Adjustment Review Committee shall perform any other such duties relating to billing and collection policies. Such duties shall be reported to the Executive Director and Board of Trustees.

Section Nineteen. Severability. The Board hereby declares that if any section, part, sentence or clause of this Ordinance is held invalid, such invalidity shall not affect the remainder of this Ordinance, the Board hereby declaring that it would have enacted the remainder of this Ordinance without regard to that part hereof that may be held invalid.

Section Twenty. Prior Ordinances. The provisions contained in this Ordinance (i) shall become effective July 1, 2021 (the "Effective Date"), and (ii) on the Effective Date, shall repeal and supersede Ordinance No. 15418, adopted June 11, 2020, and shall take the place of and supersede the provisions of all prior ordinances relating to the same subject matter which are herewith inconsistent.



This Ordinance shall not be so construed as to relieve any Person from the payment of any charge which is due and payable under the provisions of any prior ordinance, nor to bar the collection of same by any and all of the means provided for in said prior ordinance. This Ordinance shall not be so construed as to relieve any Person from any penalty heretofore incurred by the violation of any prior ordinance or to bar the prosecution of any such violation in the manner provided therein.

## APPENDIX I

### WASTEWATER USER CHARGES

	<u>July 1, 2021 Charge</u>	<u>July 1, 2022 Charge</u>	<u>July 1, 2023 Charge</u>
<b><u>METERED PROPERTY</u></b>			
(per Month/per User Account)			
Base Charge	\$27.31	\$28.26	\$29.29
Volume Charge	\$5.17/100	\$5.35/100	\$5.55/100
All Volume	Cubic Feet	Cubic Feet	Cubic Feet
<b><u>UNMETERED RESIDENTIAL PROPERTY</u></b>			
(per Month/per User Account)			
Base Charge	\$27.31	\$28.26	\$29.29
Room/Fixture Charge:			
Room (each room)	\$3.06	\$3.17	\$3.29
Water Closet (each fixture)	\$11.40	\$11.80	\$12.23
Bath (each fixture)	\$9.51	\$9.84	\$10.20
Separate Shower (each fixture)	\$9.51	\$9.84	\$10.20

**APPENDIX I****WASTEWATER USER CHARGES**  
**continued**

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	<b>July 1, 2021 Charge</b>	<b>July 1, 2022 Charge</b>	<b>July 1, 2023 Charge</b>
<b>NON-RESIDENTIAL PROPERTY</b>			
(per Month/per User Account)			
<b>Extra Strength Surcharges</b>			
(if water usage equals or exceeds 8000 cubic feet per month):			
Suspended Solids (SS) *	\$309.88	\$320.36	\$329.43
Over 300 mg/liter (Milligrams per liter)			
Biochemical Oxygen Demand (BOD) *	\$832.28	\$860.43	\$884.78
Over 300mg/liter (Milligrams per liter)			
Chemical oxygen Demand (COD)*	\$416.14	\$430.22	\$442.40
Over 600 mg/liter (Milligrams per liter)			
* Per Ton			
Base Charge	\$27.31	\$28.26	\$29.29
Volume Charge	\$5.17/100	\$5.35/100	\$5.55/100
All Volume	Cubic Feet	Cubic Feet	Cubic Feet
Compliance Charge/per Month			
Tier 1: 0 Inspection/0 Sample Point	\$ 4.55	\$ 4.71	\$ 4.85
Tier 2: 1 Inspection/0 Sample Point	\$ 63.64	\$ 65.80	\$ 67.67
Tier 3: 1 Inspection/1 Sample Points	\$ 136.37	\$ 140.99	\$ 144.98
Tier 4: 1 Inspection/2 Sample Points	\$181.83	\$187.98	\$193.30
Tier 5: 1 Inspection/More Than 2 Sample Points	\$227.29	\$234.98	\$241.63



**FY22 BUDGET**



**Taxes are based on voter-approved rates that are included on the tax bills issued by the City of St. Louis or St. Louis County. The tax bills are calculated based on the tax assessment information provided by the governing authority and the current tax rates. The tax revenue is realized in the first half of the fiscal year.**

**FY22 Tax Ordinance #15670**

TAX ORDINANCE NO. 15670

AN ORDINANCE repealing Ordinance No. 15512, adopted September 20, 2020, and enacting a new Ordinance in lieu thereof, adjusting the previously fixed taxes by determining the amount of taxes which shall be levied, assessed, and collected in the year 2021 on all taxable tangible property in the District within the corporate limits of the City of St. Louis and St. Louis County, respectively, and in Subdistricts within the corporate limits of St. Louis County as follows: Coldwater Creek Trunk Subdistrict, Gravois Creek Trunk Subdistrict, Maline Creek Trunk Subdistrict, Watkins Creek Trunk Subdistrict, Subdistrict No. 89 (Loretta-Joplin), Subdistrict No. 342 (Clayton-Central), Subdistrict No. 366 (University City Branch of River des Peres Stormwater Subdistrict), Subdistrict No. 367 (Deer Creek Stormwater Subdistrict), Subdistrict No. 369 (Sugar Creek), Subdistrict No. 448 (Missouri River - Bonfils), Subdistrict No. 449 (Meramec River Basin - M.S.D. Southwest), Subdistrict No. 454 (Seminary Branch of River des Peres), Subdistrict No. 455 (Black Creek), Subdistrict No. 1 of the River des Peres Watershed (Creve Coeur-Frontenac Area) and Subdistrict No. 7 of the River des Peres Watershed (Wellston Area); and the Board of Trustees, in accordance with Charter Section 7.310 authorizes the Director of Finance to certify as to the amount of taxes which shall be levied, assessed and collected within the corporate limits of the City of St. Louis and St. Louis County and for the aforementioned Subdistricts; and

WHEREAS, after notice of hearing as provided in the Charter, and after due consideration of all the statements made and the facts adduced at such hearing, the Board has found that it will be necessary in the calendar year 2021 to levy, assess, and collect taxes on taxable tangible property in the District.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE METROPOLITAN ST. LOUIS SEWER DISTRICT:

Section One. For the fiscal year beginning July 1, 2021, The Metropolitan St. Louis Sewer District shall levy, assess, and collect taxes on all taxable tangible property within the boundaries of The Metropolitan St. Louis Sewer District.

Section Two. For the general administration of The Metropolitan St. Louis Sewer District during the fiscal year beginning July 1, 2021, the amount of taxes which shall be levied, assessed, and collected in the year 2021 on all taxable tangible property within the boundaries of The Metropolitan St. Louis Sewer District shall be Five Million Seven Hundred Forty-four Thousand One Hundred Thirty-two Dollars (\$5,744,132), which will be produced by the rate of one point six six cents (.0166) per one hundred dollars assessed valuation for residential property, one point six six cents (.0166) per one hundred dollars assessed valuation for agricultural property, one point six six cents (.0166) per one hundred dollars assessed valuation for commercial property and one point six six cents (.0166) per one hundred dollars assessed valuation for personal property, and of which Eight Hundred Eighteen Thousand One Hundred Fifteen Dollars (\$818,115), shall be levied, assessed, and collected on taxable tangible property in said District within the corporate limits of the City of St. Louis, and of which Four Million Nine Hundred Twenty-six Thousand Seventeen Dollars (\$4,926,017), shall be levied, assessed, and collected on taxable tangible property within that part of the corporate limits of St. Louis County lying within said District. These funds are to be allocated to the Stormwater Regulatory Fund.

Section Three. In The Metropolitan St. Louis Sewer District, for the purpose of providing revenue for the operations of the District's stormwater utility, including stormwater system operation and maintenance, rehabilitation and limited construction of

infrastructure and other capital improvements, and an operating reserve, and for the anticipated tax delinquencies during the fiscal year beginning July 1, 2021, the amount of taxes which shall be levied, assessed, and collected in the year 2021 on all taxable tangible property in said District shall be Twenty-nine Million Three Hundred Twenty Thousand Nine Hundred Thirty-five Dollars (\$29,320,935), which total sum will be produced by the rate of eight point seven two cents (.0872) per one hundred dollars assessed valuation for residential property, eight point seven two cents (.0872) per one hundred dollars assessed valuation for agricultural property, eight point seven two cents (.0872) per one hundred dollars assessed valuation for commercial property and eight point seven two cents (.0872) per one hundred dollars assessed valuation for personal property, and of which total sum Four Million Two Hundred Ninety-seven Thousand Five Hundred Sixty-eight Dollars (\$4,297,568), shall be levied, assessed, and collected on taxable tangible property in said District within the corporate limits of the City of St. Louis, and of which total sum Twenty-five Million Twenty-three Thousand Three Hundred Sixty-seven Dollars (\$25,023,367), shall be levied, assessed, and collected on taxable tangible property within that part of the corporate limits of St. Louis County lying within said District. These funds are to be allocated to the Districtwide Stormwater Fund.

Section Four. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within the Coldwater Creek Trunk Subdistrict, as defined and delineated by District Ordinance No. 3755, adopted April 11, 1979, shall be Two Million Twenty-four Thousand Six Hundred Eighty-one Dollars (\$2,024,681), which sum will be produced by the rate of seven point nine cents (.079) per one hundred dollars assessed valuation for residential property, nine point five cents (.095) per one hundred dollars assessed valuation for agricultural property, eight point seven



cents (.087) per one hundred dollars assessed valuation for commercial property and ten cents (.010) per one hundred dollars assessed valuation for personal property.

Section Five. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within the Gravois Creek Trunk Subdistrict, as defined and delineated by District Ordinance No. 425, adopted July 14, 1960; and as enlarged by annexation thereto of the areas described in District Ordinance No. 1235, adopted November 12, 1964; No. 1451, adopted January 13, 1966; No. 1453, adopted January 13, 1966; No. 1485, adopted May 9, 1966; No. 1784, adopted September 12, 1968; No. 1884, adopted May 1, 1969; No. 1907, adopted June 12, 1969; No. 2012, adopted March 19, 1970; No. 2157, adopted April 22, 1971; No. 2175, adopted June 3, 1971; No. 177, adopted June 3, 1971; No. 2191, adopted July 15, 1971; No. 2272, adopted March 9, 1972; No. 2377, adopted January 26, 1973; and No. 2941, adopted October 29, 1975; shall be Zero Dollars (\$0.00), which sum will be produced by the rate of zero cents (.000) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, zero cents (.000) per one hundred dollars assessed valuation for commercial property and zero cents (.000) per one hundred dollars assessed valuation for personal property.

Section Six. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within the Maline Creek Trunk Subdistrict, as defined and delineated by District Ordinance No. 26, adopted June 30, 1955, and as enlarged by annexation thereto of the area described in District Ordinance No. 1962, adopted October 30, 1969, shall be Six Hundred Ninety-seven Thousand Seven Hundred Forty-nine Dollars

(\$697,749), which sum will be produced by the rate of eight point two cents (.082) per one hundred dollars assessed valuation for residential property, ten cents (.010) per one hundred dollars assessed valuation for agricultural property, eight point seven cents (.087) per one hundred dollars assessed valuation for commercial property and ten cents (.010) per one hundred dollars assessed valuation for personal property.

Section Seven. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within the Watkins Creek Trunk Subdistrict, as defined and delineated by District Ordinance No. 1304, adopted April 8, 1965, and as enlarged by annexation thereto of the area described in Ordinance No. 2050, adopted June 18, 1970, and Ordinance No. 2236, adopted October 29, 1971, shall be Zero Dollars (\$0.00), which sum will be produced by the rate of zero cents (.000) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, zero cents (.000) per one hundred dollars assessed valuation for commercial property and zero cents (.000) per one hundred dollars assessed valuation for personal property.

Section Eight. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 89 (Loretta-Joplin), as defined and delineated by District Ordinance No. 383, adopted March 31, 1960, shall be Zero Dollars (\$0.00), which sum will be produced by the rate of zero cents (.000) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, zero cents (.000) per one hundred dollars assessed valuation for commercial property and zero cents (.000) per one hundred dollars assessed valuation for personal property.

Section Nine. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 342 (Clayton-Central), as defined and delineated by District Ordinance No. 1882, adopted May 1, 1969, shall be Zero Dollars (\$0.00), which sum will be produced by the rate of zero cents (.000) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, zero cents (.000) per one hundred dollars assessed valuation for commercial property and zero cents (.000) per one hundred dollars assessed valuation for personal property.

Section Ten. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 366 (University City Branch of River des Peres Stormwater Subdistrict), as defined and delineated by District Ordinance No. 2146, adopted April 14, 1971, shall be Nine Hundred Forty-seven Thousand Six Hundred Forty-two Dollars (\$947,642), which sum will be produced by the rate of seven point one cents (.071) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, nine point one cents (.091) per one hundred dollars assessed valuation for commercial property and nine point four cents (.094) per one hundred dollars assessed valuation for personal property.

Section Eleven. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 367 (Deer Creek Stormwater Subdistrict), as defined and delineated by District Ordinance No. 2557, adopted March 27, 1974; and as enlarged by annexation thereto of the areas described in District Ordinance No. 2611, adopted June 26, 1974, shall be Three Million Eight Hundred Ninety-five Thousand Seven

Hundred Thirteen Dollars (\$3,895,713), which sum will be produced by the rate of six point six cents (.066) per one hundred dollars assessed valuation for residential property, six point one cents (.061) per one hundred dollars assessed valuation for agricultural property, six point nine cents (.069) per one hundred dollars assessed valuation for commercial property and nine point three cents (.093) per one hundred dollars assessed valuation for personal property.

Section Twelve. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 369 (Sugar Creek Stormwater Subdistrict), as defined and delineated by District Ordinance No. 2552, adopted March 13, 1974, shall be Two Hundred Ninety-six Thousand Seventy-nine Dollars (\$296,079), which sum will be produced by the rate of four point five cents (.045) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, seven point six cents (.076) per one hundred dollars assessed valuation for commercial property and six point nine cents (.069) per one hundred dollars assessed valuation for personal property.

Section Thirteen. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 448 (Missouri River - Bonfils), as defined and delineated by District Ordinance No. 3465, adopted March 22, 1978, shall be Zero Dollars (\$0.00), which sum will be produced by the rate of zero cents (.000) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, zero cents (.000) per one hundred dollars assessed valuation for commercial property and zero cents (.000) per one hundred dollars assessed valuation for personal property.

Section Fourteen. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 449 (Meramec River Basin - M.S.D.Southwest), as defined and delineated by District Ordinance No. 3482, adopted March 29, 1978, shall be Zero Dollars (\$0.00), which sum will be produced by the rate of zero cents (.000) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, zero cents (.000) per one hundred dollars assessed valuation for commercial property and zero cents (.000) per one hundred dollars assessed valuation for personal property.

Section Fifteen. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 454 (Seminary Branch of River Des Peres), as defined and delineated by District Ordinance No. 3485, adopted April 12, 1978, shall be Two Hundred Forty-seven Thousand Thirteen Dollars (\$247,013), which sum will be produced by the rate of five point four cents (.054) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, six point one cents (.061) per one hundred dollars assessed valuation for commercial property and seven point six cents (.076) per one hundred dollars assessed valuation for personal property.

Section Sixteen. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 455 (Black Creek), as defined and delineated by District Ordinance No. 3486, adopted April 12, 1978, shall be Zero Dollars (\$0.00), which sum will be produced by the rate of zero cents (.000) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation

for agricultural property, zero cents (.000) per one hundred dollars assessed valuation for commercial property and zero cents (.000) per one hundred dollars assessed valuation for personal property.

Section Seventeen. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 1 of the River des Peres Watershed (Creve Coeur-Frontenac Area), as defined and delineated by District Ordinance No. 24, adopted June 20, 1955, and as enlarged by annexation thereto of the area described in District Ordinance No. 1719 adopted February 13, 1968, shall be Zero Dollars (\$0.00), which sum will be produced by the rate of zero cents (.000) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, zero cents (.000) per one hundred dollars assessed valuation for commercial property and zero cents (.000) per one hundred dollars assessed valuation for personal property.

Section Eighteen. The amount of taxes which shall be levied, assessed and collected in the year 2021 on all taxable tangible property within that part of the corporate limits of St. Louis County lying within Subdistrict No. 7 of the River Des Peres Watershed (Wellston Area), as defined and delineated by District Ordinance No. 409, adopted June 16, 1960, and as such part was enlarged by District Ordinance No. 2497, adopted November 8, 1973, shall be Zero Dollars (\$0.00), which sum will be produced by the rate of zero cents (.000) per one hundred dollars assessed valuation for residential property, zero cents (.000) per one hundred dollars assessed valuation for agricultural property, zero cents (.000) per one hundred dollars assessed valuation for commercial property and zero cents (.000) per one hundred dollars assessed valuation for personal property.

Section Nineteen. If any section, subsection, sentence, clause, phrase or portion of this Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision and such holding shall not affect the validity of the remaining portions hereof.



**FY22 BUDGET**





**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.

**Actual Revenue or Expenditures:**

The revenue and expenditures incurred in previous fiscal years.

**Ad Valorem Tax:**

A tax based on value.

**Adopted Budget:**

Refers to the budget amounts as originally approved by the Board of Trustees at the beginning of the year.

**Amortization:**

The process of spreading expenses in regular installments over a specific period of time.

**Annual Budget:**

A budget applicable to a single fiscal year.

**Annual Budget Process or Budget Process**

The annual budget process consists of activities that encompass the development, implementation, and evaluation of a plan for the provision of services and capital assets for the upcoming fiscal year. This process is strategic in nature, encompassing a multi-year financial and operating plan that allocates resources on the basis of identified goals.

**Appropriation:**

The legal authorization granted by the Board of Trustees to make expenditures and to incur obligations for purposes specified in the Budget.

**Assessed Valuation:**

A value set on real estate or other property as a basis for levying taxes within the boundaries of MSD service areas. The assessed valuation is set by the City and County Assessor, who are charged with determining the taxable value of property according to a formula

set by the State of Missouri.

**Asset:**

Resources owned or held which have monetary value.

**Audit:**

An audit is an analysis or study of an accounting system that summarizes its finding with an opinion on the accuracy of the system and its reports.

**Balanced Budget:**

Refers to a budget in which revenues are equal to expenditures.

**Base Budget:**

The same level of funding as in the current year adopted budget with adjustments for one-time costs, merit, benefit and cost of living increases and general price adjustments.

**Basis of Accounting:**

A term referring to when revenues, expenditures, and transfers and the related assets and liabilities are recognized in the accounts and reported in the financial statements.

**Beginning Fund Balance:**

Fund balance available in a fund from the end of the prior year, for use in the following year.

**Billing and Collection Charge:**

Monthly charge imposed by the District to recover the wastewater program's share of the costs associated with issuing and collecting combined wastewater and stormwater bills.

**Blockage:**

Partial or complete interruption of flow as a result of some obstruction in a sewer. Also referred to as a stoppage.

**Board:**

Refers to the Board of Trustees of the District. The

Board is comprised of six members, three of whom are appointed by the Mayor of the City of St. Louis and the remaining three are appointed by the County Executive of St. Louis County.

**Bond Rating:**

The rating of bonds as a statement of a locality's economic, financial and managerial condition. It represents the business community's assessment of the investment quality of a local government. Highly rated bonds attract more competition in the marketplace, thereby lowering interest costs paid by MSD and its ratepayers.

**Bonds:**

A written promise to pay a specified sum of money at a specified date in the future together with periodic interest at a specified rate.

**Budget:**

A balanced financial plan for a given period of time, which includes an appropriation and tax levy ordinance for the various sources of revenue that finance the various funds.

**Budget Calendar:**

The schedule for completion of the various phases in the preparation and adoption of the annual budget.

**Budget Document:**

The instrument used by the budget-making authority to present a comprehensive financial program to the Board of Trustees and the public.

**Budget Message:**

The opening section of the budget which provides a general discussion of the most important aspects of the budget, accomplishments from previous years and new initiatives and challenges facing the District as presented by the Executive Director to the Board of Trustees.

**Budgetary Control:**

The control or management of a government or enterprise in accordance with an approved budget that keeps expenditures within the limitations of available appropriations and revenues.

**Budgeted Position:**

Those positions which have either been budgeted for and authorized in the past or which are being requested in the current year's budget.

**Budget Process:**

The annual budget process consists of activities that encompass the development, implementation, and evaluation of a plan for the provision of services and capital assets for the upcoming fiscal year. This process is strategic in nature, encompassing a multi-year financial and operating plan that allocates resources on the basis of identified goals.

**Bypass:**

A pipe, valve, gate, weir, trench or other device designed to permit all or part of a wastewater flow to be diverted from usual channels or flow. Sometimes refers to a special line which carries the flow around a facility or device that needs maintenance or repair.

**Capacity:**

The maximum rate of flow that can be carried by sewers or received by a treatment plant without causing an upset of the biological material contained in the treatment system.

**Capital Expenditures**

An amount spent to acquire or construct a capital asset (tangible or intangible) or significantly improve the capacity or capabilities of a long-term asset. Examples of tangible assets are land, buildings, building improvements, infrastructure and infrastructure improvements, vehicles, machinery, equipment, and furniture. Examples of intangible assets are easement and software..

**Capital Improvement and Replacement Program:**

A plan for capital expenditures to be incurred each year over a fixed period of years to meet the capital needs to maintain or replace the sewer infrastructure. It sets forth each project's expenditures and specifies the resources estimated to be available to finance the projected expenditures.

**Capital Improvement Surcharge:**

A user charge to finance the construction of seven wastewater improvement projects required to comply with federal and state clean water laws. This monthly surcharge was last charged in April 1995 on customer bills for March 1995 service.

**Capital Project:**

A capital project is defined by the creation of a capital asset. Capital projects for the District often involve large monetary and time expenditures related to the construction of infrastructure assets for the collection and treatment of wastewater or stormwater.

**Capital Outlay:**

Items purchased utilizing departmental budgeted funds in the 55000 series of natural accounts for the purchase of land, buildings, structural improvements, equipment, vehicles, machinery, furniture, and computer equipment. Items purchased in this category generally become capital assets of the District.

**Cash Basis of Accounting:**

Under this basis of accounting, revenues are not recorded until cash is received; expenditures are recorded only when cash is disbursed.

**Channel:**

An improved (paved) watercourse.

**Clean Water Act:**

Growing public awareness and concern for controlling water pollution led to enactment of the Federal Water Pollution Control Act Amendments of 1972. As

amended in 1977, this law became commonly known as the Clean Water Act. The Act established the basic structure for regulating discharges of pollutants into the waters of the United States. It gave EPA the authority to implement pollution control programs such as setting wastewater standards for industry. The Clean Water Act also continued requirements to set water quality standards for all contaminants in surface waters. The Act made it unlawful for any person to discharge any pollutant from a point source into navigable waters, unless a permit was obtained under its provisions. It also funded the construction of sewage treatment plants under the construction grants program and recognized the need for planning to address the critical problems posed by nonpoint source pollution.

**Collection System:**

A network of pipes, manholes, cleanouts, traps, siphons, lift stations and other structures used to collect all wastewater, stormwater and combined waste water of an area and transport it a treatment plant or disposal system. The collection system includes land, public sewer lines and appurtenances, pumping stations and general property.

**Combined Sewers:**

A sewerage system that carries both sanitary sewage and stormwater runoff.

**Compliance Charge:**

Billed to non-residential customers only -- the costs related to the District's compliance activities for non-residential properties required to comply with federal and state environmental regulations.

**Connection Fees:**

One-time fees assessed when properties are connected to the sewerage system. Effective November 1, 1994, these fees are uniform throughout the District and are based on the size of the property's water tap.

**Construction Funds:**

Funds established to receive and disburse proceeds from revenue sources restricted for construction of improvements to sewerage and drainage collection systems and treatment facilities.

**Contractual Services:**

Expenses and encumbrances charged to the 54000 series of natural accounts. Expenses in this category usually involve an agreement with a particular vendor to provide a specific type of work.

**Contributed Wastewater Volume:**

The quantity of water-borne wastes emanating from residential property or non-residential property and, specifically:

1. For metered residential property, billed metered water usage during the best equated period;
2. For non-residential property, either billed metered water usage throughout the year with exemption allowances for any water that does not enter the sewer system or measured wastewater volume; and
3. For unmetered residential property, average indoor water usage characteristics of various housing attributes, as defined in the rate study, applied to each user's number of rooms and plumbing fixtures.

**Cross Connection:**

A connection between a storm drain system and a sanitary collection system. Less frequently used term to describe a connection between two sections of a collection system to handle anticipated overloads of one system.

**Customer Assistance Program:**

The Customer Assistance Program is available to eligible customers of the District who are billed for and pay a wastewater user charge and/or are billed for and pay a stormwater user charge. The benefit Customer Assistance Program will be a credit of fifty percent (50%) of the wastewater user charge and/or

stormwater user charge billed to such customer for the applicable billing period and will be shown on bills of eligible customers which are issued on or after July 1, 1993.

**Debt:**

An obligation resulting from the borrowing of money or from the purchase of goods and services.

**Debt Service Funds:**

Funds to provide for the receipt and disbursement of monies designated for payment of interest and redemption of outstanding bond issues.

**Department:**

The Department is the primary unit in the District. Each unit is managed by a Department Director. Departments are generally composed of divisions which share a common purpose or which perform similar duties.

**Depreciation:**

The loss in service value, not restored by current maintenance, which occurs in utility plants in service due to decay, inadequacy and obsolescence. Depreciation accounting is usually based on an annual percentage allowance of plant investment equal to the original investment spread over the useful life of the facility.

**Detention:**

The delay or holding of the flow of water and water-carried wastes in a pipe system. This can be caused by a restriction in the pipe, a stoppage or a dip. Detention also means the time water is held or stored in a basin or a wet well. Sometimes called retention.

**Discharge Permits:**

Permit granted by the Missouri Department of Natural Resources (MDNR) allowing the discharge of effluent into a body of water. The point source must conform to specific water quality standards established for the receiving waters.

**District:**

Refers to The Metropolitan St. Louis Sewer District or MSD. The District is organized pursuant to Article VI, Section 30 of the Missouri State Constitution that empowers the people in the City of St. Louis and St. Louis County "to establish a metropolitan district for functional administration of services common to the area".

**Drainage Facility:**

Any system of artificially constructed drains, including open channels and separate stormwater sewers used to convey stormwater, surface water or groundwater, either continuously or intermittently to natural watercourses.

**Dry Weather Overflows:**

Discharges from a sanitary system in dry weather into a receiving stream rather than a treatment plant, usually as a result of a blockage or capacity limitation.

**Easement:**

Legal right to use the property of others for a specific purpose.

**Effluent:**

Wastewater or other liquid – raw (untreated), partially or completely treated – flowing from a reservoir, basin, treatment process, or treatment plant.

**Encumbrances:**

Obligations incurred in the form of orders, contracts and similar items that will become payable when goods are delivered or services rendered.

**Enterprise Fund:**

A grouping of activities whose expenditures are wholly or partially offset by revenues collected from consumers in the form of fees or charges.

**Expenditure:**

An amount of money disbursed or obligated. An expenditure is a decrease in net financial resources.

This includes current operating expenses requiring the present or future use of current assets.

**Fees:**

A general term used for any charge levied by government associated with providing a service.

**Fiscal Year:**

An annual period used for budgeting and reporting purposes. For the District, this period is from July 1 through June 30.

**Flood Protection Facilities:**

A facility that affects the flood conveyance capacity or flood management behavior of the System, usually designed to reduce flooding hazards.

**Flow:**

The volume of effluent expected to enter a treatment system over a given time period. Treatment systems are designed based upon estimates of peak and average flow for different segments of the system.

**Full-time Equivalent:**

A measure that converts a part-time employee into a fraction of a full-time employee based on a ratio of hours worked over the hours worked by a full-time employee. All MSD employees are full-time employees, so the term represents the number of employees budgeted.

**Fund:**

A fiscal and accounting entity with a self-balancing set of accounts recording cash and other financial resources, together with all related liabilities and residual equities or balances, and changes therein, which are segregated for the purpose of carrying on specific activities or attaining certain objectives in accordance with special regulation, restriction, or limitations.

**Fund Balance:**

The excess of the assets of a fund over its liabilities,

reserves and carry-over.

**Fund Group:**

A category of various funds logically grouped on the basis of the purpose of each fund. At the present time, the District has the following fund groups:

1. General Fund
2. Revenue Funds
3. Operation, Maintenance and Construction Improvement (OMCI) Funds
4. Construction Funds
5. Debt Service Funds
6. Special Funds

Note: Descriptions of each fund group are included in that group's section of the Budget.

**General Fund:**

A fund established by administrative action to finance the ordinary operations of The Metropolitan St. Louis Sewer District. The General Fund may be used for any legally authorized purpose of the District. It is used to account for all revenues and activities of the District not provided for in any other fund. It may receive any and all revenues not specifically designated for other funds. All wastewater and stormwater user charges receivable, less allowances for uncollectible accounts, are recorded in the General Fund.

**General Obligation Bonds:**

Used to finance Capital Improvement Projects that result in community wide benefits. These bonds are backed by the full faith and credit of the issuer and can only be issued by governmental units with taxing authority. Issuance of General Obligation Bonds requires 67% approval of those voting.

**Goal:**

General statements of public policy, purpose, and intent.

**Governmental Fund:**

Term used in governmental accounting to apply to all funds except the enterprise funds.

**Grant:**

A contribution of assets 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.

**Impervious Area:**

Areas of the land surface that by man's action become blocked or sealed from rainfall causing runoff in excess of the natural rain water runoff of undisturbed land. Examples are parking lots and rooftops.

**Impervious Charge:**

A system for assessing fees for stormwater runoff conveyances and controls, and the operation and maintenance of same based upon the amount of impervious area on the rate payer's property.

**In-House Contracts:**

Planning, design and engineering services provided by existing District staff in order to accomplish specific capital projects.

**Infiltration:**

The seepage of groundwater into a sewer system, including service connections. Seepage frequently occurs through defective or cracked pipes, pipe joints, connections or manhole walls.

**Inflow:**

Water discharged into a sewer system and service connections from such sources as, but not limited to, roof leaders, cellars, yard and area drains, foundation drains, cooling water discharges, drains from springs and swampy areas, around manhole covers or through holes in the covers, cross connections from storm and combined sewer systems, catch basins, storm waters, surface runoff, street wash waters or drainage. Inflow differs from infiltration in that it is a direct discharge into the sewer rather than a leak in



the sewer itself.

**Inlet:**

A surface connection to a drain pipe. A chamber for collecting storm water with no well below the outlet pipe for collecting grit. Often connected to a catch basin or a “basin manhole” (“cleanout manhole”) with a grit chamber.

**Intercepting Sewer:**

A sewer that receives flow from a number of other large sewers or outlets and conducts the waters to a point for treatment or disposal. Often called an “interceptor”.

**Lateral Sewer:**

That portion of the sewer lying within a public street or easement connecting a building sewer service to the main sewer.

**Levy:**

The total amount of taxes, special assessments or service charges imposed by a government.

**Liabilities:**

Obligations incurred in past or current transactions requiring present or future settlement.

**Lift Station:**

A wastewater pumping station that lifts the wastewater to a higher elevation when continuing the sewer at reasonable slopes would involve excessive depths of trench. Also, an installation of pumps that raise wastewater from areas too low to drain into available sewers.

**Main Sewer:**

A sewer line that receives wastewater from many tributary branches and sewer lines and serves as an outlet for a large territory or is used to feed an intercepting sewer.

**Management Position:**

Any District position which is filled by an administrative, supervisory or professional employee and certain positions which are non-bargaining due to the nature of the duties performed.

**Manhole:**

An opening in a sewer provided for the purpose of permitting operators or equipment to enter or leave a sewer. Sometimes called an “access hole”, or “maintenance hole”.

**Metered Multi-Unit Residential/Non-Residential Property:**

All property connected to an approved water meter which is:

1. Used only for human residency and consists of two or more dwelling units connected to a single approved water meter; or
2. Used for commercial or industrial purposes and connected to an approved water meter(s).

**Metered Property:**

All property connected to an approved water meter through which the amount of water usage is measured.

**Metered Single-Unit Residential Property:**

Property used only for human residency, which consists of a single dwelling unit which is connected to an approved water meter which serves only such unit.

**Mission Statement:**

A brief description of the purpose and functions of an agency, department, etc.

**Multi-Unit Residence:**

Residential property which consists of a dwelling under one roof for occupancy by more than one family, including but not limited to, flats, apartments, condominiums.

**Natural Account:**

Detailed classification established to budget and account for the purchase of specific goods and services and the receipt of revenues from specific sources.

**Natural Account Group:**

A grouping of accounts based on the category of goods or services purchased; for example: Personnel Services.

**Non-Residential Property:**

Property other than Residential Property.

**Normal Wastewater:**

Waters or wastes having:

1. A five-day Biochemical Oxygen Demand (BOD) not greater than 300 milligrams per liter; and
2. Containing not more than 300 milligrams per liter of Suspended Solids (SS); and
3. Having a Chemical Oxygen Demand (COD) not greater than 600 milligrams per liter.

**Objectives:**

The yearly organizational goals expected to be achieved, listed in order of priorities with their associated costs including estimates of salaries, equipment, supplies, etc.

**Obligations:**

Amounts which a government may be required legally to meet out of its resources. They include not only actual liabilities, but also encumbrances not yet paid.

**Obstruction:**

Any solid object in or protruding into a wastewater flow in a collection line that prevents a smooth or even passage of the wastewater.

**OMCI Funds:**

Operation, Maintenance and Construction Improvement Funds established to account for proceeds from tax levies in the various subdistricts and grants in aid of construction. Expenditures are

primarily for stormwater operations and maintenance.

**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 Trustees.

**Outlet:**

Downstream opening or discharge end of a pipe, culvert, or canal.

**Performance Scorecard Measures:**

A measure of the level of activity and service in the functional areas of the various departments.

**Permittee:**

An industrial user required to maintain an industrial waste permit due to the quality or quantity of their wastewater or point of discharge.

**Personnel Services:**

Expenditures and encumbrances charged to the 51000 series of natural accounts. This category of expenses includes items such as salaries, overtime and benefits.

**Pollutant:**

Any substance which, alone or in combination with other substances, if discharged to waters of the State in sufficient quantities, causes or is reasonably certain to cause any alteration of the physical, chemical or biological properties of such waters; or to create a nuisance; or to render such waters harmful, detrimental or injurious to public health, safety or welfare, or to domestic, industrial, agricultural, recreational, or other legitimate beneficial uses or to any organism, aquatic life, plant or animal.

**Preventive Maintenance:**

Regularly scheduled servicing of machinery or other equipment using appropriate tools, tests and lubricants. This type of maintenance can prolong the

useful life of equipment and machinery and increase its efficiency by detecting and correcting problems before they cause a breakdown of the equipment.

**Professional Services:**

Expenditures for services rendered to the District under formal contract by "professionals" who have a high degree of skill and training in technical fields. Examples are: auditors, management consultants, lawyers, engineers, etc.

**Property:**

An improved lot or parcel of real property, whether public or private, which is served by the System.

**Property Tax:**

An annual tax on the values of certain types of personal or business wealth, represented by real or personal property.

**Property Tax Rate:**

The amount of tax stated in terms of a unit of the tax base expressed as dollars per \$100 of assessed valuation.

**Proposed Budget:**

The recommended budget submitted by the District to the Board of Trustees.

**Proprietary Fund:**

A fund used in governmental accounting to account for activities that involve business-like interactions, either within the government (Internal Service Fund) or outside of it (Enterprise Fund).

**Pump Station:**

Installation of pumps to lift wastewater to a higher elevation in places where flat land would require excessively deep sewer trenches. Also used to raise wastewater from areas too low to drain into available collection lines. These stations may be equipped with air-operated ejectors or centrifugal pumps.

**Raw Sewage:**

Plant influent or wastewater before any treatment.

**Regulator:**

A device used in combined sewers to control or regulate the diversion of flow.

**Represented Position (Bargaining Unit):**

Any District position, which is filled by an employee represented by a labor union.

**Reserves:**

Funds set aside for a specific purpose or use.

**Residential Property:**

Property used only for human residency.

**Resolution:**

Resolutions are used to express opinions about a particular item of business. Unlike ordinances, resolutions are not laws and are not proposed to the MSD Board of Trustees prior to adoption. Resolutions are often used to honor public officials, recognize retiring employees for their years of service and acknowledge strategic business plans.

**Resources:**

The actual assets of a governmental unit, such as cash, grants receivable, land, buildings, etc. including estimated revenues applied to the current fiscal year, and bonds authorized and unissued.

**Retention:**

That part of the precipitation falling on a drainage area which does not escape as surface stream flow during a given period. It is the difference between total precipitation and total runoff during the period, and represents evaporation, transpiration, subsurface leakage, infiltration, and, when short periods are considered, temporary surface or underground storage on the area. The delay or holding of the flow of water and water-carried wastes in a pipe system. This can be due to a restriction in the pipe, a stoppage or a dip. Also, the time water is held or stored in a

basin or wet well. This is also called detention.

**Revenue:**

Income generated by user charges, taxes, investment income, land rental, connection fees, as well as Federal, State and local grants.

**Revenue Bonds:**

Debt used to finance Capital Improvement Projects serviced from the net revenues from a particular enterprise, such as sewer service. Issuance of Revenue Bonds requires 67% approval of those voting.

**Revenue Funds:**

Funds established to account for proceeds from user charges and connection and other fees within the subdistricts to provide for operations and maintenance within the user charge revenue subdistricts.

**Sanitary Sewer System:**

The sewer system that carries liquid and wastewater from residences, commercial buildings, industrial plants and institutions, together with minor quantities of ground, storm and surface waters that are not admitted intentionally.

**Separate Sewers:**

Sewers that carry only sanitary sewage or stormwater runoff. The separate sanitary sewers are ultimately connected to a treatment plant. Separate storm sewers discharge to streams.

**Served:**

Property with an active sewer connection, either directly or indirectly, to a sanitary or drainage facility owned or operated by the District and laying within the District, or to property which otherwise discharges wastewater directly or indirectly into such facilities, or if the discharges of such substances therefrom ultimately enter said facilities.

**Service Area:**

The geographic area where the District provides wastewater and stormwater services. This area includes St. Louis City and approximately 90% of St. Louis County, extending out to approximately Highway 109 at its western boundary.

**Sewage:**

The used water and water-carried solids from homes that flow in sewers to a wastewater treatment plant. The preferred term is wastewater.

**Sewer:**

A pipe or conduit that carries wastewater or drainage water. The term "collection line" is often used also.

**Sewer Main:**

A sewer pipe to which building laterals are connected. Also called a collection main.

**Sewerage:**

A comprehensive term that includes facilities collecting, pumping, treating and disposing of wastewater.

**Single Family:**

Residential Property used as a dwelling by one family only.

**Sludge:**

The solids removed from sewage during wastewater treatment.

**Special Funds:**

Special funds of the District are comprised of the following:

1. Improvement Fund
2. Workers' Compensation Fund
3. Water Backup Fund
4. Wastewater Emergency Fund
5. Stormwater Emergency Fund

**Storm Sewer:**

A separate pipe, conduit or open channel (sewer) that

carries runoff from storms, surface drainage and street wash, but does not include domestic and industrial wastes. Storm sewers are often the recipients of hazardous or toxic substances due to the illegal dumping of hazardous wastes or spills created by accidents involving vehicles and trains transporting these substances. Also see sanitary sewer system.

**Stormwater:**

Any water resulting from precipitation that may or may not be mixed with an accumulation of dirt, soil, and other debris or substances collected from the surface on which such precipitation falls or flows.

**Stormwater Funds:**

These funds were established to account for ad valorem taxes. These are primarily stormwater dedicated funds for projects and stormwater operations and maintenance.

**Stormwater Runoff:**

The portion of rainfall, melted snow or irrigation water that flows across ground surfaces and eventually is returned to streams. Runoff can pick up pollutants from the air or land and carry them to the receiving waters.

**Stormwater Service Area:**

Any area where stormwater facilities have been dedicated to the District and the District has accepted dedication of said facilities or the District has adopted a resolution accepting the responsibility for operation and maintenance of stormwater facilities.

**Stormwater Service Charge:**

The user charge to generate the revenue to operate and maintain the stormwater system.

**Subdistrict:**

Separate taxing area of the District.

**Surcharge:**

The additional charge for the treatment of wastes



containing suspended solids, biochemical oxygen demand or chemical oxygen demand exceeding normal wastewater strengths.

**System:**

The entire sewer and drainage system owned and operated by the District for the collection, storage, handling, and treatment of wastewater, for the collection, storage, handling and treatment of stormwater, and combined sewers for the collection, storage, treatment and handling of wastewater and stormwater to serve the needs of the District and its inhabitants and others, including all appurtenances and facilities connected therewith or relating thereto, together with all extensions, improvements, additions and enlargements thereto hereafter made or acquired by the District.

**Tax Levy:**

The total amount of taxes imposed by a government.

**Taxes:**

Mandatory charge levied by a governmental unit for the purpose of financing services performed for the common benefit.

**Toxic Substance:**

Any substance whether gaseous, liquid or solid which, when discharged to a wastewater system watercourse in sufficient quantities, interferes with or passes through any wastewater treatment process, or constitutes a hazard to human beings, animal life, plant life, or inhibits aquatic life.

**Treatment Plant:**

An arrangement of pipes, equipment, devices, tanks and structures for treating wastewater and industrial wastes. A water pollution control plant.

**Trunk Sewer:**

A sewer that receives wastewater from many tributary branches or sewers and serves a large territory and contributing population. Also see main sewer.

**Unmetered Residential Property:**

Property used only for human residency, which is not Metered Residential Property.

**Useful Life:**

The expected period of time during which a depreciating asset will be productive.

**User:**

The occupant or owner of the Property, the person holding a permit for water service to the property, or any person served by the system.

**User Charge:**

The major charges established by the District; Wastewater User Charge and Stormwater Service Charge.

**Utilities:**

Expense incurred for gas, electric, phone and water at all District locations.

**Volume Charge:**

Wastewater charge applied to each customer's Contributed Wastewater Volume. It includes both OM&R and capital costs components.

**Wastewater:**

The water-borne wastes emanating from Residential Property or Non-residential Property, together with such groundwater, surface water, or stormwater as cannot be avoided.

**Wastewater User Charge:**

The costs related to the amount of wastewater discharged to the sanitary sewer system. Measured in hundred cubic feet (CCF's) for customers with water meters and the number of rooms and indoor plumbing fixtures for customers without water meters.

**Water Backup Program:**

The District will review the total cost to a homeowner of repairs necessary after a sewer backup, provided

the problem is found in a part of the sewer line maintained by MSD. Insurance coverage has been obtained to limit the District's total expense.

**Water Quality:**

The suitability of water for given uses as measured by the levels of pollutants it contains. Water use classification includes: public water supply; recreation; propagation of fish and other aquatic life, agricultural use and industrial use.

**Watershed:**

A region or area bounded peripherally by water parting and draining ultimately to a particular watercourse or body of water.

**Working Capital:**

Cash, materials and supplies, and other similar current assets necessary in the operation of the facility.

**BOD:**

Biochemical Oxygen Demand: the quantity of oxygen utilized in the biochemical oxidation of organic matter in five days as determined by Standard Methods and expressed in milligrams per liter.

**B.O.P.:**

Beginning of Period

**CBA:**

Community Benefits Agreement

**CCF:**

Hundred cubic feet: approximately 750 gallons.

**CMOM:**

Capacity Management Operations & Maintenance: a program developed to ensure adequate capacity and proper management of the collection system to prevent sanitary sewer overflows (SSOs).

**COD:**

Chemical Oxygen Demand: the quantity of oxygen utilized in the chemical oxidation of organic and inorganic matter as determined by Standard Methods and expressed in milligrams per liter.

**COVID-19:**

The human infection caused by the new coronavirus strain SARS-CoV-2.

**CIRP:**

Capital Improvement and Replacement Program

**C.S.O.:**

Combined Sewer Overflows: discharges from a combined sewer in excess of the interceptor or regulator capacity, that are discharged into a receiving stream rather than going to a treatment plant.

**DNR:**

Department of Natural Resources: a Missouri state government agency responsible for the administration and enforcement of state water pollution control policies and laws. The DNR provides state grant funds

to local communities for wastewater treatment and administers the EPA Construction Grants Program on behalf of the federal agency.

**EEOC:**

Equal Employment Opportunity Commission: a federal law enforcement agency that enforces laws against workplace discrimination.

**E.O.P.:**

End of Period

**EPA:**

Environmental Protection Agency: a federal agency that is responsible for the administration and enforcement of national water pollution control policies and laws. The EPA provides federal grant funds to local governments for wastewater treatment under the provisions of the EPA Construction Grants Program.

**FASB:**

Financial Accounting Standards Board: independent, private, non-governmental authority for the establishment of accounting principles in the United States.

**FTE:**

Full-Time Equivalent positions

**GAAP:**

Generally Accepted Accounting Principles: uniform minimum standards and guidelines for financial accounting and reporting. They govern the form and content of the financial statements of an entity. GAAP encompasses the practice 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 body on the application of GAAP to state and local governments is the GASB.

**GASB:**

Governmental Accounting Standards Board

**GFOA:**

Government Finance Officers Association

**I/I:**

Infiltration/Inflow: the total quantity of water from both infiltration and inflow with no distinction of the source.

**MDNR:**

Department of Natural Resources: a Missouri state government agency responsible for the administration and enforcement of state water pollution control policies and laws. The DNR provides state grant funds to local communities for wastewater treatment and administers the EPA Construction Grants Program on behalf of the federal agency.

**MGD:**

Million gallons per day: standard measure of wastewater flow through treatment plants.

**mg/l:**

Milligrams per liter, commonly used to report results of laboratory analysis of wastewater samples and used as a parameter for wastewater extra strength user charge rate.

**MWBE:**

Minority and Woman-owned Business Enterprises: a program to encourage the participation of Minority and Women's business concerns in the purchase of professional services and construction work.

**O & M:**

Operational Maintenance & Repairs

**O.R.S.:**

Overflow Regulation System: the District's O.R.S. is focused on the facilities that evolved from the former direct discharges of sewage from trunk sewers into the Mississippi River. The system now includes the management, operation, maintenance and improvements to the integrated trunk sewer outfalls, riverfront interceptors, interceptor pump stations and flood protection facilities. The goal of the O.R.S. is to

capture the maximum amount of sewage and wastewaters and convey these to wastewater treatment plants at Bissell Point and Lemay.

**SRF:**

State Revolving Fund: bonds or other obligations issued in accordance with the District's participation in the Missouri State Revolving Fund Program of the Missouri Department of Natural Resources and the State Environmental Improvement and Energy Resources Authority, where SRF Bonds may be Senior SRF Bonds or Subordinate SRF Bonds.

**SS:**

Suspended solids that either float on the surface of, or are suspended in wastewater as determined by analysis for non-filterable milligrams per liter.

**WWTP:**

Wastewater Treatment Plant

# **CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM**

## **BUDGET SUPPLEMENT FOR FISCAL YEAR 2022**

### **PREFACE**

This annual Budget Supplement provides information about the Metropolitan St. Louis Sewer District's intended Capital Improvement and Replacement Program during Fiscal Year 2022 (July 1, 2021 to June 30, 2022). This document is divided into the following sections:

- Program Summary (includes a glossary of terms used in the Budget Supplement)
- Wastewater Engineering Projects
- Wastewater Construction Projects
- Wastewater Continued Projects
- Wastewater Contingency Projects
- Wastewater Program
- Stormwater Engineering Projects
- Stormwater Construction Projects
- Stormwater Continued Projects
- Stormwater Contingency Projects
- Stormwater Program
- Appendix

The Wastewater Construction Projects and Stormwater Construction Projects sections list projects that have scheduled construction starts during Fiscal Year 2022. The Wastewater Engineering Projects and Stormwater Engineering Projects sections list projects that have scheduled engineering starts during Fiscal Year 2022 (which includes design, planning, and data collection/system investigation services). Due to the magnitude and complexity of these projects and the requirements for permitting and easement acquisition, their construction is scheduled in future years. The Contingency Projects sections detail projects that are currently scheduled for Fiscal Year 2023, but may be expedited to begin construction during Fiscal Year 2022, if revenue becomes available and project schedules allow. The Wastewater and Stormwater Program sections summarize the capital program by fund.

For each new project identified for funding in Fiscal Year 2022, this document provides information regarding the approximate project scope and estimated cost. For projects continued from previous fiscal years, only the estimated construction cost and reason for continuance are provided. Specific information regarding Continued Projects was included in previous Budget Supplement documents in the fiscal years in which the projects were initially identified. Lastly, a listing of all Fiscal Year 2022 projects sorted by municipality is provided in the Appendix.

*On the Cover:* MSD Project Clear (MSDPC) is two utilities in one - responsible for 9,000+ miles of public wastewater and stormwater sewer systems in the St. Louis region. MSDPC is investing billions of dollars over a generation to improve water quality and minimize wastewater and stormwater issues by maintaining regulatory compliance, planning, designing, and building community rainscaping & system improvements, and an ambitious program of maintenance and repair. Pictured is the Lower Meramec Wastewater Treatment Plant, which will be undergoing expansion beginning in Fiscal Year 2022.



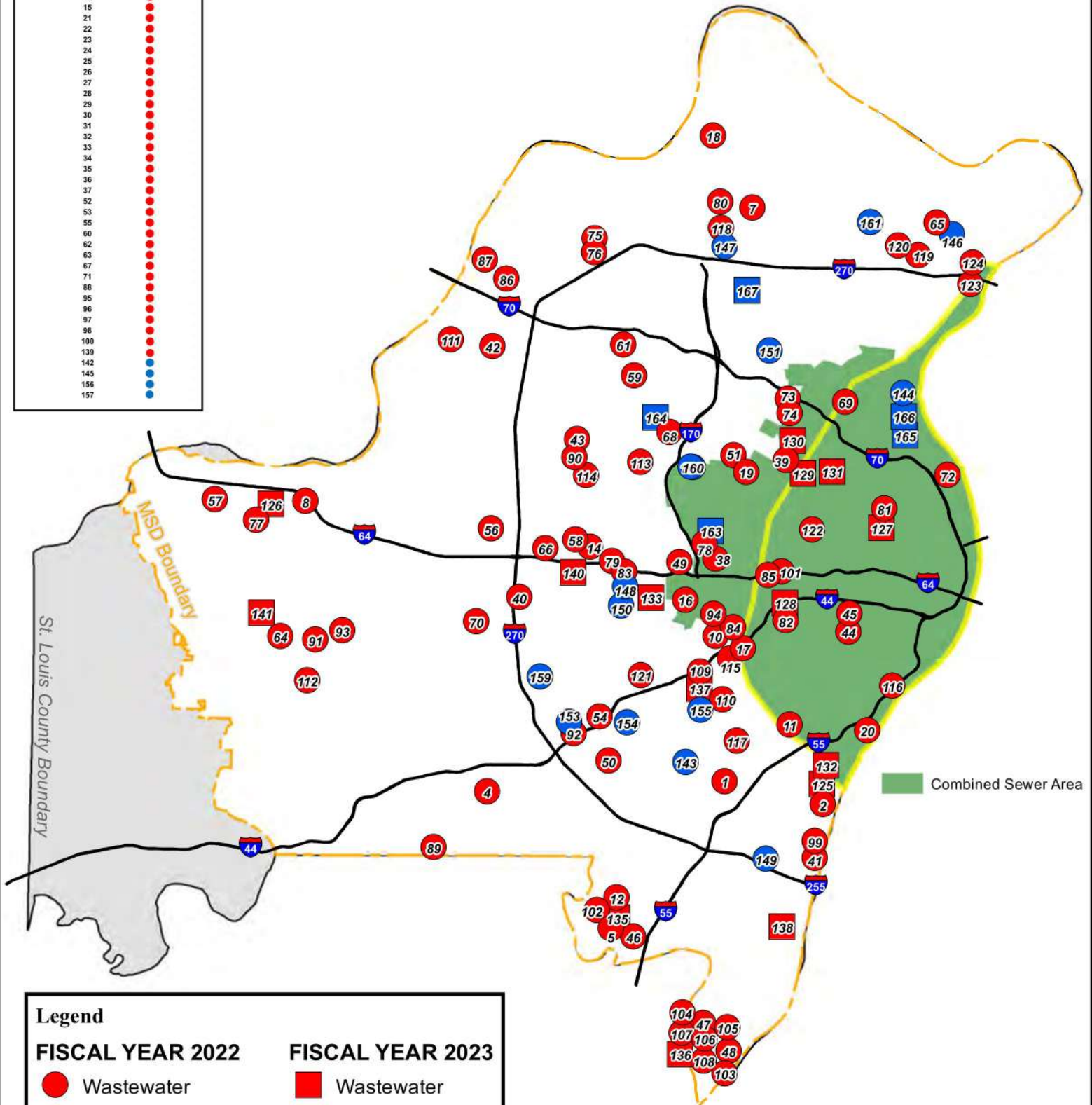


# The Metropolitan St. Louis Sewer District Capital Improvement and Replacement Program Fiscal Year 2022

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**CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM**  
**SUMMARY - FY22**

<b><u>TYPE OF PROJECT</u></b>	<b><u>NUMBER OF PROJECTS</u></b>	<b><u>PROJECT COST</u></b>
Wastewater Engineering	67	\$47,253,000
Wastewater Construction	53	\$281,979,000
Stormwater Engineering	4	\$1,430,000
Stormwater Construction	16	\$14,529,522
<b><i>TOTAL:</i></b>	<b>140</b>	<b>\$345,191,522</b>
Wastewater Continued	2	\$7,300,000
Stormwater Continued	2	\$449,000
<b><i>TOTAL:</i></b>	<b>4</b>	<b>\$7,749,000</b>
<b><i>GRAND TOTAL:</i></b>	<b>144</b>	<b>\$352,940,522</b>

# **CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM**

## **SUMMARY**

The identification and prioritization of projects to be included in the Capital Improvement and Replacement Program is a multi-step process, requiring monitoring and updating to ensure that the highest priority problems within the District are addressed in a timely manner, given funding limitations. These stages include: project identification, conceptual solution, preliminary study, final design, and construction.

At each step in the process, the project scope is reevaluated to verify that it continues to meet regulatory requirements and customers' needs. The project cost is updated based on available information, and the project's priority is assessed with the goal that the highest priority projects are funded first.

Project cost estimates used in the budget preparation process and shown in the Budget Supplement are usually based on the preliminary study stage of the process. At this stage there is typically a minimal amount of detailed information available regarding geotechnical conditions, utility relocation requirements, easement requirements, and other site-specific issues that have the potential to significantly affect the project's construction cost. Preliminary study cost estimates are intended to be within thirty percent of the design engineer's final estimates. Individual projects may vary to a greater degree than the average, due to unanticipated site-specific conditions that impact the project cost.

New projects are identified on an ongoing basis to ensure that the District is in compliance with the regulatory requirements of the United States Environmental Protection Agency and Missouri Department of Natural Resources, to address customer stormwater or wastewater problems, remedy deficiencies identified through planning studies and hydraulic

# **CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM**

## **SUMMARY**

analysis of the system, and implement required collection system and wastewater treatment plant repairs and upgrades.

Upon the initial identification of regulatory issues, localized problems, or system deficiencies, a conceptual solution is developed, which includes a project scope, cost estimate, and priority ranking of the project relative to similar projects. This solution and associated cost estimate are general, based on a single site visit and a “table-top” analysis of the problem. The project may then be incorporated into the Capital Improvement and Replacement Program in a specific fiscal year, based on the availability of funds and priority of the project.

Before the year in which funding of the project is anticipated, a preliminary study is performed. In this study, scope is reevaluated in greater detail to ensure that the conceptual solution is still viable, given current conditions, regulatory requirements, and updated project cost estimate and priority ranking. In performing this preliminary study, the District may make multiple site visits to inspect the problem area and estimate alignment of the sewer or channel to be constructed. Preliminary survey information may be obtained and a more detailed hydraulic analysis performed than was done at the conceptual solution level. Preliminary studies are typically performed by the Engineering Department. However, the District may use engineering consultants to perform preliminary studies during periods of heavy workload, or for large, complex projects such as new treatment plants, upgrades to existing treatment plants, tunnel projects, or major sewer upgrades.

Upon completion of a preliminary study, the project’s priority ranking is reevaluated relative to other, similar projects. A project may be rescheduled to a later fiscal year within the Capital Improvement and Replacement Program, should its priority ranking be reduced due to



# CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM

## SUMMARY

increased project cost estimate or modification of its scope.

The final design of a project is performed by either the District's Engineering Department staff or via engineering consultant services. As part of the final design process, topographic and geotechnical information is collected, utility conflicts are identified, construction plans and specifications are prepared, easement plats are drafted, and easements are obtained.

In FY 2022, 24 engineering budget items have been procured using the Watershed Consultant approach, retaining firms for multi-year efforts on a related suite of projects, in order to increase efficiency, expedite the program and meet Consent Decree requirements and schedule. Following is a listing of the Watershed Consultant related engineering projects and associated professional service firms:

Project Number	Project Name	Page Number	Budget
	<b>Watershed Program Consultant - 11151 - Construction Management Services - Tank/Treatment/Pump Station Facilities. Consultant: KAI 360 Construction Services, LLC</b>		
11151	CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES	13	7,000,000
	<b>Watershed Program Consultant - 11152 - Construction Management Services - Lower and Middle RDP Tunnel Facilities. Consultant: Shannon &amp; Wilson, Inc.</b>		
11152	CONSTRUCTION MANAGEMENT SERVICES - LOWER AND MIDDLE RDP TUNNEL FACILITIES	11	2,700,000
	<b>Watershed Program Consultant - 11826 - Construction Management Services - Lower Meramec and Deer Creek Tunnels. Consultant: Black &amp; Veatch Corporation</b>		
11826	CONSTRUCTION MANAGEMENT SERVICES - LOWER MERAMEC AND DEER CREEK TUNNELS	12	4,800,000
	<b>Watershed Program Design Consultant - 11109 - Lower &amp; Middle RDP CSO Controls System Improvements. Consultant: Jacobs Engineering Group, Inc.</b>		
11711	JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)	41	400,000
11109	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	44	150,000
11109	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	45	270,000
	<b>Watershed Program Design Consultant - 11144 - Bissell - Coldwater - Missouri - Meramec Sanitary System Improvements. Consultant: Wood Environment &amp; Infrastructure Solutions, Inc.</b>		
12079	ARV ELLEN SANITARY RELIEF (TESSON CREEK ESTATES DR TO MADAFORD LN)	1	95,000
13033	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT C	3	48,000

# CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM

## SUMMARY

12586	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT D	4	58,000
12587	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT E	5	87,000
13124	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT F	6	52,000
12326	DANIEL BOONE - LAWNVIEW CREEK I/I REDUCTION	18	161,000
11943	LINDBERGH SANITARY RELIEF (MEADOWSIDE DR TO N LINDBERGH BLVD)	43	401,000
12202	SMITH CREEK LADUE ROAD SANITARY RELIEF (ROYAL MANOR DR TO HEWLETT CT)	56	518,000
12217	ST. MATTHIAS SANITARY RELIEF (ST. SHAWN LN TO STONEHARD DR)	61	306,000
12242	UPPER FISHPOT EAST SANITARY RELIEF (FIELD AVE TO WOLFF LN)	64	404,000
<b>Watershed Program Design Consultant - 11145 - Lemay Sanitary System Improvements. Consultant: Burns &amp; McDonnell Engineering Co., Inc.</b>			
12355	MULBERRY CREEK SANITARY RELIEF (HARWICH DR TO S LINDBERGH BLVD)	50	531,000
13623	SPOEDE ROAD SANITARY SEWER IMPROVEMENTS	58	120,000
12300	WOODSON SANITARY RELIEF (FLORA AVE TO LACKLAND RD)	68	391,000
<b>Watershed Program Design Consultant - 11153 - RDP Tributaries (Deer Creek) Controls System Improvements. Consultant: HDR Engineering, Inc.</b>			
12140	CSO - MARY AVENUE SOUTH OF MANCHESTER CSO INTERCEPTOR (I- 132)/OUTFALL (L-106) ELIMINATION PHASE II	16	150,000
12141	CSO - SHREWSBURY AVE CSO INTERCEPTOR (I-293)/OUTFALL (L-166) SEWER SEPARATION	17	450,000
12334	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE I	38	200,000
11746	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	46	650,000
11153	RDP TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	54	600,000

For projects of significant scope and impact, coordination with property owners who will benefit or who will be affected by the construction of the project is achieved at neighborhood meetings hosted by the District. For smaller projects, property owners are individually contacted during the design of the project.

Many projects require that new easements be acquired to enable the project to be constructed. The time required to acquire these easements is lengthy and may result in delays in the planned construction schedule. When necessary, the District may utilize its eminent domain powers to condemn for easements in order to ensure that a project is constructed. Any required condemnation proceedings are performed in full compliance with state and federal law. Some

# **CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM**

## **SUMMARY**

projects may additionally require specific permitting from other government agencies, such as the Missouri Department of Natural Resources or US Army Corps of Engineers, prior to bidding.

A project is advertised for public bidding a minimum of 30 days, followed by a formal bid opening. Bids are evaluated to determine the lowest responsive, responsible bidder. Appropriation and contract ordinances are submitted to the Board of Trustees for their approval. Upon final approval, contracts are executed and notices to proceed are issued.

In addition to wastewater and stormwater projects, the District may construct sanitary sewer sub-district projects at the request of property owners currently served by private systems or individual septic tank systems. These sub-districts are financed by the benefiting property owners, using special benefit assessments. The affected property owners initiate the projects by submitting a petition to the District, which provides design and construction management assistance. Because of the uncertainty of the viability and/or schedule of sub-district projects, they are not always listed in the Budget Supplement.

Wastewater projects are funded via revenue from the wastewater user charge paid by ratepayers. The user charge also supports the sale of revenue bonds to fund the wastewater program. Generally, Fund 6660, the Sanitary Replacement Fund, is used to pay for capital wastewater work, while Fund 1101, the General Fund, is used to pay for non-capital wastewater related work. The allocation of a given project's costs between these two funds is an accounting function necessary to facilitate capitalization of District assets (adding the value of work completed to the overall value of all physical assets owned by the District). Wastewater projects may also be funded by various Operation, Maintenance, Construction and Improvement (OMCI) funds, Construction Funds, Special Funds, or the Improvement Fund.

# **CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM**

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Stormwater projects may be funded via the Districtwide Stormwater Fund, the Stormwater Regulatory Fund, the Improvement Fund, or from various Operation, Maintenance, Construction, and Improvement (OMCI) funds. These OMCI funds are established in certain areas of the District, are supported by property tax collection, and must be spent only within their specific areas of tax collection.

The sections included in this Budget Supplement document are:

- Program Summary – summary of budget, and number and type of projects. Includes general description of the capital program and budgeting process, and a glossary of often used terms.
- Wastewater Engineering Projects – summary and details on wastewater engineering consulting services and other professional services necessary to implement the wastewater program.
- Wastewater Construction Projects – summary and details on wastewater construction projects and other expenses such as property rights acquisition necessary to implement the wastewater program.
- Wastewater Continued Projects – summary of wastewater projects continued from previous fiscal years, due to difficulties in easement acquisition, permitting process or coordination with other agencies, design revisions or status, or other special issues.
- Wastewater Contingency Projects – summary and details on wastewater projects currently budgeted in the next fiscal year, but having the chance to be expedited into the current fiscal year, if scheduling or budget allow.
- Wastewater Program – annual alphabetical listing of wastewater projects by fund, including the type of service (task) budgeted.
- Stormwater Engineering Projects - summary and details on stormwater engineering consulting services and other professional services necessary to implement the stormwater program.
- Stormwater Construction Projects - summary and details on stormwater construction projects and other expenses such as property rights acquisition necessary to implement the stormwater program.

# **CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM**

## **SUMMARY**

- Stormwater Continued Projects - summary of stormwater projects continued from previous fiscal years, due to difficulties in easement acquisition, permitting process or coordination with other agencies, design revisions or status, or other special issues.
- Stormwater Contingency Projects - summary and details on stormwater projects currently budgeted in the next fiscal year, but having the chance to be expedited into the current fiscal year, if scheduling or budget allow.
- Stormwater Program - annual alphabetical listing of stormwater projects by fund, including the type of service (task) budgeted.
- Appendix – list of projects by municipality.

Please note that the detail sheets for each project in this document include locations and quantities of work to be performed. These maps and quantities are approximate only, and final location and extent of work may vary depending on final design and/or field conditions during construction.



## GLOSSARY

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BIORETENTION	A concave landscape feature which stores, filters, and infiltrates stormwater runoff.
BIOSTABILIZATION	A method of repairing eroding streams by utilizing the structural properties of live plants to rebuild eroded streambanks and incised channels.
BIOSWALE	A sloped open drainage channel with landscape elements designed to store, filter, and infiltrate stormwater runoff.
CD	The Federal Consent Decree, entered on April 27, 2012 and all appendices and all modifications or amendments thereto, between MSD, United States of America, and the Missouri Coalition for the Environment Foundation designed to eliminate or reduce overflows from the Combined and Separate Sewer Systems in order to improve water quality and protect human health and the environment.
CIPP	Cured in Place Pipe, a construction method to rehabilitate a sewer pipe by lining it with a new pipe. This work does not require excavating the pipe and replacing it in total.
CIRP	Capital Improvement and Replacement Program, the ongoing system improvement efforts by MSD.
CMOM	Capacity, Management, Operations, and Maintenance program.
COE	United States Army Corps of Engineers.
COMBINED SEWER	The portion of MSD's sewer system designed to convey municipal sewage (i.e. domestic, commercial and industrial wastewaters) and stormwater runoff through a single-pipe system to a wastewater treatment facility and/or to a CSO outfall.
CONSENT DECREE	See "CD".
CSO	Combined Sewer Overflow, any discharge from the combined sewer system at a point prior to the headworks of a wastewater treatment facility.
FORCE MAIN	A pressurized sewer pipe that can carry wastewater. Sewer force mains are necessary when topography, or other system characteristics, do not allow wastewater to move through the line by the influence of gravity alone. Force mains are the pipes that convey wastewater under pressure through the work of pumps located in pump stations or lift stations.
GI	Green Infrastructure, environmentally friendly and sustainable stormwater management practices that reduce runoff by using infiltration, such as bioretention and bioswales.
GRADE CONTROL STRUCTURE	A structure constructed in a creek or stream to control erosion. The structure allows water to pass to a lower elevation while directing the energy and velocity of the water in a manner that minimizes erosion that would otherwise change the shape of the stream.

## GLOSSARY

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I/I	Inflow and Infiltration; inflow refers to direct connections of rainwater sources to the sanitary sewer system; infiltration refers to groundwater sources of flows into sewer pipes. Inflow sources can include roof downspouts, yard and area drains, foundation drains, manhole covers, cross connections from storm sewers, or inlets. Infiltration sources can include defective building laterals, sewer pipes, pipe joints, connections, or manhole walls.
INFILTRATION	Infiltration refers to groundwater sources of flows into sewer pipes. Infiltration sources can include defective building laterals, sewer pipes, pipe joints, connections, or manhole walls.
INFLOW	Inflow refers to direct connections of rainwater sources to the sanitary sewer system. Inflow sources can include roof downspouts, yard and area drains, foundation drains, manhole covers, cross connections from storm sewers, or inlets.
LATERAL	A sewer connecting a building with the publicly owned sanitary sewer main.
LIFT STATION	Lift stations are used for pumping wastewater or stormwater from a point of lower elevation to a point of higher elevation. Lift stations utilize pumps to lift the wastewater from the lower elevation to the higher elevation. Wastewater then flows by gravity to the next location in the system.
LMRDP	Lower and Middle River Des Peres, generally the river from University City south to the Mississippi River.
LTCP	Long Term Control Plan, a long duration plan to manage/improve the combined sewer system and abate combined sewer overflows, through the identification of a capital improvement plan tailored to receiving stream water quality and the community's financial capability.
MAIN	A smaller public sewer collecting flows from buildings via lateral connections.
MGD	Million Gallons per Day, a measure of flow over time. 1 MGD is equivalent to 700 gallons per minute of flow.
MSD	Metropolitan St. Louis Sewer District, district formed in 1954 via vote of the people, with responsibility for wastewater and stormwater services in St. Louis City and most of St. Louis County.
OMCI	Operation Maintenance Construction Improvement district, funds generated by tax payments in certain districts can be used for capital improvements in those districts. Funds can be used for capital projects or maintenance.
OUTFALL	The point of discharge to the environment from a constructed SSO or CSO.
PRIVATE I/I REDUCTION	Reduction of inflow and infiltration sources on private property, from private sources, such as downspout and driveway drain connections to the sanitary sewer system (inflow) or deteriorated service laterals or broken connections (infiltration).
PUBLIC I/I REDUCTION	Reduction of public inflow and infiltration sources such as cracked and broken sewer pipes or deteriorated manholes.



## GLOSSARY

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PUMP STATION	Pump stations are facilities which include pumps and ancillary equipment, for pumping fluids from one place to another. A pump is a mechanical device that converts mechanical energy to pressure, in order to convey wastewater or stormwater. Pumping results in pressurized sewer pipes that are called force mains.
RAIN GARDEN	A landscaped shallow swale or depression that temporarily holds water and reduces stormwater runoff as the water infiltrates into the soil. The water is absorbed by plants and is filtered as it percolates through the soil.
RAINSCAPING	Any combination of plantings, water features, catch basins, permeable pavement and other activities that manage stormwater as close as possible to where it falls, rather than moving it someplace else.
RDP	River Des Peres, a river in the central and south portions of the metropolitan area, which was enlarged in the early 1900s to provide conveyance to the Mississippi River of stormwater runoff in order to reduce surface flooding.
RFP	Request for Proposals.
RFQ	Request for Qualifications.
SANITARY SEWER SYSTEM	The portion of the sewer system designed to convey only sewage, and not stormwater, from residences, commercial buildings, industrial plants and institutions for treatment at a wastewater treatment facility
SKME	Sverdrup Kwame Metcalf Eddy - a planning team that identified system needs in the early 2000s.
SSO	Sanitary Sewer Overflow, any overflow, spill, diversion, or release of wastewater from or caused by MSD's sanitary sewer system. This CD term shall include: (i) discharges to surface waters of the State or United States from MSD's sanitary sewer system and (ii) any release of wastewater from MSD's sanitary sewer system to public or private property that does not reach waters of the United States or the State.
SSO MP	Sanitary Sewer Overflow Control Master Plan, a capital improvement plan which describes the results of system evaluations and the specific measures that will result in the Elimination of all Constructed SSOs Outfalls, all known SSOs, and Building Backups, and/or that are necessary to ensure that there is adequate capacity in the Sanitary Sewer System to collect, convey, and treat anticipated peak wet weather flows under current and projected future conditions as defined in Paragraphs 21(e) and (g) of the CD.
SUBTRUNK	A sewer that serves a smaller or sub-watershed area, which brings flow to a trunk sewer.
TRUNK SEWER	A major sewer which serves a large area. A trunk sewer typically is centrally located within a watershed to which subtrunks and other sewers are tributary.
USGS	United States Geological Survey.



## GLOSSARY

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WASTEWATER	Wastewater, also written as waste water, is any water that has been adversely affected in quality by human influence. Wastewater can originate from a combination of domestic, industrial, commercial or agricultural activities, and from sewer inflow or infiltration.
WATERSHED	An area of land which drains to a specific creek, river, or other body of water.
WATERSHED CONSULTANT	A consulting firm retained for a multi-year design effort on a related suite of projects in a specific watershed.
WWTF	Wastewater Treatment Facility, any facility, method or process which removes, reduces or renders less obnoxious pollutants or water contaminants released from any source.
WWTP	Wastewater Treatment Plant, a municipal facility that removes, reduces or renders less obnoxious pollutants or water contaminants from wastewater before releasing it to the environment.

**WASTEWATER ENGINEERING PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
12079	ARV ELLEN SANITARY RELIEF (TESSON CREEK ESTATES DR TO MADAFORD LN)	\$95,000	1
12565	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	\$2,050,000	2
13033	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT C	\$48,000	3
12586	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT D	\$58,000	4
12587	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT E	\$87,000	5
13124	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT F	\$52,000	6
12108	BURNING TREE INFRASTRUCTURE REPAIR (N. WATERFORD DR TO FOX RUN DR)	\$103,000	7
12114	CAULKS CREEK PUMP STATION B (P-751) RELOCATION	\$1,035,000	8
12000	CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2020)	\$2,500,000	9
12122	CLARK AVE SANITARY RELIEF (LACLEDE STA RD TO YEATMAN AVE)	\$323,000	10
11152	CONSTRUCTION MANAGEMENT SERVICES - LOWER AND MIDDLE RDP TUNNEL FACILITIES	\$2,700,000	11
11826	CONSTRUCTION MANAGEMENT SERVICES - LOWER MERAMEC AND DEER CREEK TUNNELS	\$4,800,000	12
11151	CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES	\$7,000,000	13
12130	CONWAY ROAD SANITARY RELIEF (CONWAY LN TO DWYER AVE)	\$108,000	14
12907	CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2020)	\$1,700,000	15
12140	CSO - MARY AVENUE SOUTH OF MANCHESTER CSO INTERCEPTOR (I-132)/OUTFALL (L-106) ELIMINATION PHASE II	\$150,000	16
12141	CSO - SHREWSBURY AVE CSO INTERCEPTOR (I-293)/OUTFALL (L-166) SEWER SEPARATION	\$450,000	17

**WASTEWATER ENGINEERING PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
12326	DANIEL BOONE - LAWNVIEW CREEK I/I REDUCTION	\$161,000	18
11737	ELTORA WET WEATHER STORAGE FACILITY	\$100,000	19
13046	FILLMORE PUMP STATION (P-308) REHABILITATION	\$300,000	20
12801	FLOW METERING AND MONITORING (2022)	\$2,500,000	21
12387	GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2022)	\$2,000,000	22
12894	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2018) CONTRACT B	\$50,000	23
13098	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT A	\$475,000	24
13099	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT B	\$250,000	25
13102	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT A	\$85,000	26
13103	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT B	\$85,000	27
13104	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT C	\$85,000	28
13087	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT A	\$75,000	29
13088	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT B	\$75,000	30
13089	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT C	\$75,000	31
13090	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT D	\$75,000	32
13108	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT A	\$50,000	33
13109	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT B	\$50,000	34

**WASTEWATER ENGINEERING PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
13110	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT C	\$50,000	35
13111	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT D	\$50,000	36
13112	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT E	\$50,000	37
12334	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE I	\$200,000	38
10641	HARLEM - BADEN RELIEF PHASE IV (HEBERT) BUILDING DEMOLITION AND DESIGN	\$600,000	39
12299	HAWTHORNE ESTATES SANITARY RELIEF (RANCH LN TO CLAYTON HILLS LN)	\$319,000	40
11711	JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)	\$400,000	41
13227	L51 PUMP STATION FORCEMAIN IMPROVEMENTS	\$1,161,000	42
11943	LINDBERGH SANITARY RELIEF (MEADOWSIDE DR TO N LINDBERGH BLVD)	\$401,000	43
11109	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	\$150,000	44
11109	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	\$270,000	45
11746	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	\$650,000	46
12255	LOWER MERAMEC WWTF EXPANSION PHASE II	\$1,000,000	47
12255	LOWER MERAMEC WWTF EXPANSION PHASE II	\$2,000,000	48
12346	MCCUTCHEON RD AND THORNDALL SANITARY RELIEF	\$405,000	49
12355	MULBERRY CREEK SANITARY RELIEF (HARWICH DR TO S LINDBERGH BLVD)	\$531,000	50
12360	NORMANDIE SANITARY RELIEF (PAGE AVE TO SAINT CHARLES ROCK ROAD)	\$1,661,000	51

**WASTEWATER ENGINEERING PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
11701	PUMP STATION REPLACEMENT PROJECTS (PHASE I)	\$150,000	52
12006	RADAR RAINFALL DATA (2020)	\$150,000	53
11153	RDP TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	\$600,000	54
13467	SCADA SYSTEM UPGRADE	\$1,000,000	55
12202	SMITH CREEK LADUE ROAD SANITARY RELIEF (ROYAL MANOR DR TO HEWLETT CT)	\$518,000	56
12628	SPIRIT 2 FORCEMAIN IMPROVEMENTS (P-736 TO P-750)	\$220,000	57
13623	SPOEDE ROAD SANITARY SEWER IMPROVEMENTS	\$120,000	58
12214	ST. JOACHIM'S SANITARY RELIEF (ST. GENEVIEVE LN TO LYNROS DR)	\$550,000	59
13608	ST. LOUIS COMBINED SEWER OVERFLOWS PROGRAM - CORPS OF ENGINEERS - PHASE II	\$10,000	60
12217	ST. MATTHIAS SANITARY RELIEF (ST. SHAWN LN TO STONEHARD DR)	\$306,000	61
10766	STREAM FLOW GAUGE OPERATION AND MAINTENANCE (USGS)	\$540,000	62
12004	STREAM FLOW WATER QUALITY SAMPLING (2020)	\$270,000	63
12242	UPPER FISHPOT EAST SANITARY RELIEF (FIELD AVE TO WOLFF LN)	\$404,000	64
12271	WATKINS-SPANISH SANITARY RELIEF (MALAGA ST TO TRAMPE AVE)	\$363,000	65
12132	WESTWOOD COUNTRY CLUB SANITARY RELIEF (DEER CREEK TO WESTWOOD CT)	\$513,000	66
13436	WET WEATHER OPTIMIZATION STUDY	\$1,500,000	67
12300	WOODSON SANITARY RELIEF (FLORA AVE TO LACKLAND RD)	\$391,000	68

**WASTEWATER ENGINEERING PROJECTS - FY22****PROJECT  
NUMBER****PROJECT NAME****COST ESTIMATE****PAGE*****TOTAL:*** \$47,253,000

# ARV ELLEN SANITARY RELIEF (TESSON CREEK ESTATES DR TO MADAFORD LN)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12079

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS.

**BUDGET:**  
\$95,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 700 FEET OF 15-INCH SANITARY SEWER AND 40 FEET OF BANK STABILIZATION.

**MUNICIPALITY:**  
Unincorporated

**MAJOR SERVICE AREA:**  
Lemay/RDP

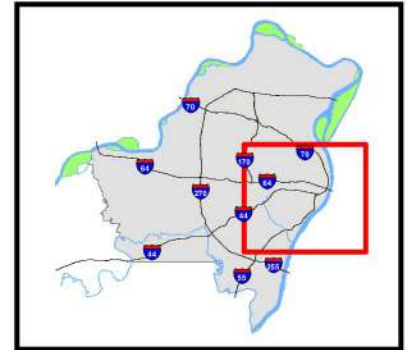
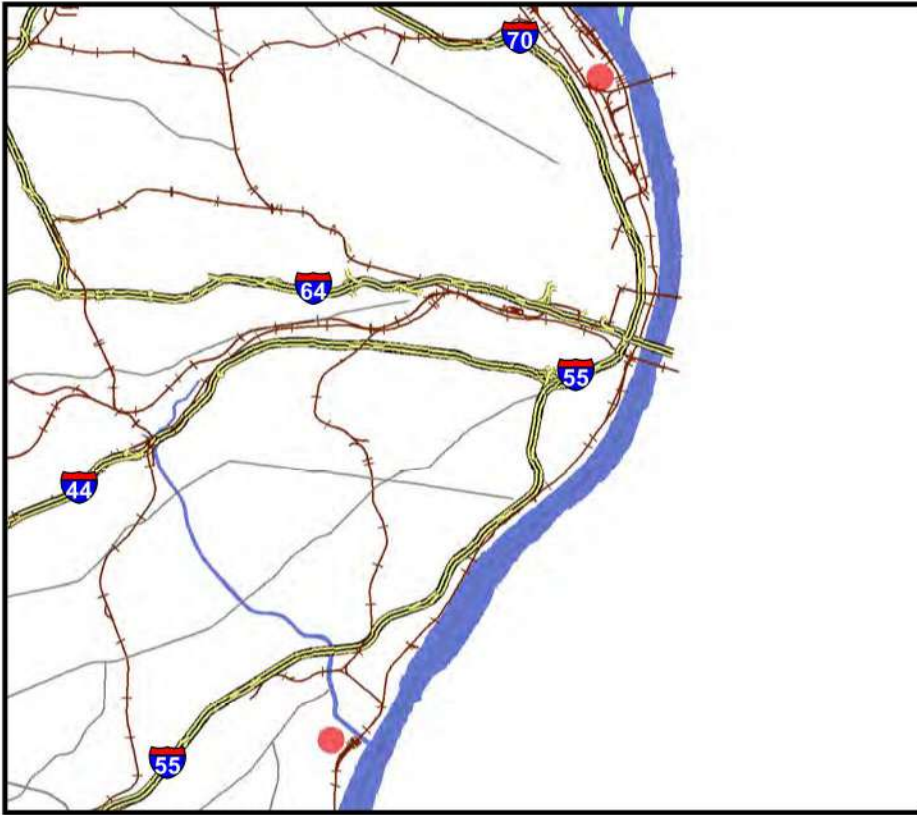
## Comments/Remarks

**WATERSHED:**  
Gravois Creek

**EXPENSE TYPE:**  
Capital



# BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS



**FISCAL YEAR:** 2022

**PROJECT NO:** 12565

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services  
(Supplemental  
Appropriation)

**BUDGET:**  
\$2,050,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

LONG TERM SOLUTION FOR SOLIDS HANDLING AT TREATMENT FACILITIES IS NEEDED.

## Scope of Project

CONSTRUCT FLUIDIZED BED INCINERATORS AT THE BISSELL AND LEMAY WASTEWATER TREATMENT FACILITIES, TO INCLUDE REDUNDANT SLUDGE ACCEPTANCE SYSTEMS AND SOLIDS HANDLING SYSTEM IMPROVEMENTS.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FUTURE FISCAL YEARS. TOTAL CONSTRUCTION BUDGET IS \$515,000,000.



# BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT C



**FISCAL YEAR:** 2022

**PROJECT NO:** 13033

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

INFLOW AND INFILTRATION CAUSING OVERCHARGED SEWERS.

**BUDGET:**  
\$48,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

REHABILITATE THE PUBLIC SEWER SYSTEM USING THE CURED IN PLACE PIPE METHOD.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

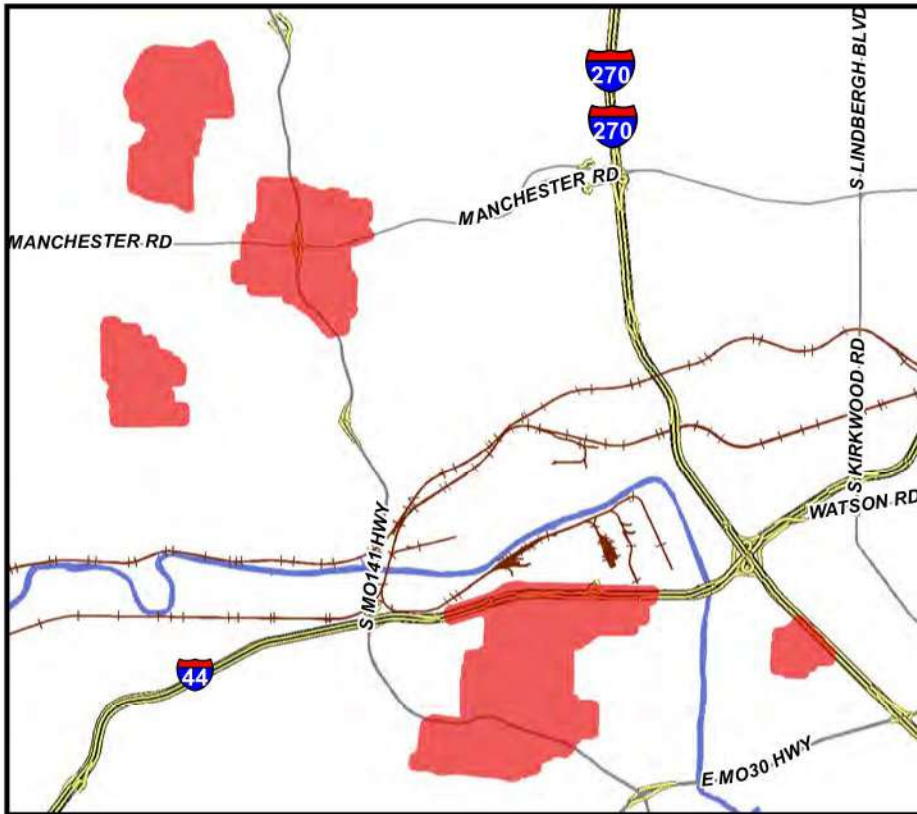
## Comments/Remarks

INCLUDES PUBLIC I/I REDUCTION FROM PROJECTS 12143 AND 12343.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Capital

# BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT D



**FISCAL YEAR:** 2022

**PROJECT NO:** 12586

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

INFLOW AND INFILTRATION CAUSING OVERCHARGED SEWERS.

**BUDGET:**  
\$58,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

REHABILITATION OF THE PUBLIC SEWER SYSTEM USING THE CURED IN PLACE PIPE METHOD, TO REDUCE PUBLIC I/I.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

## Comments/Remarks

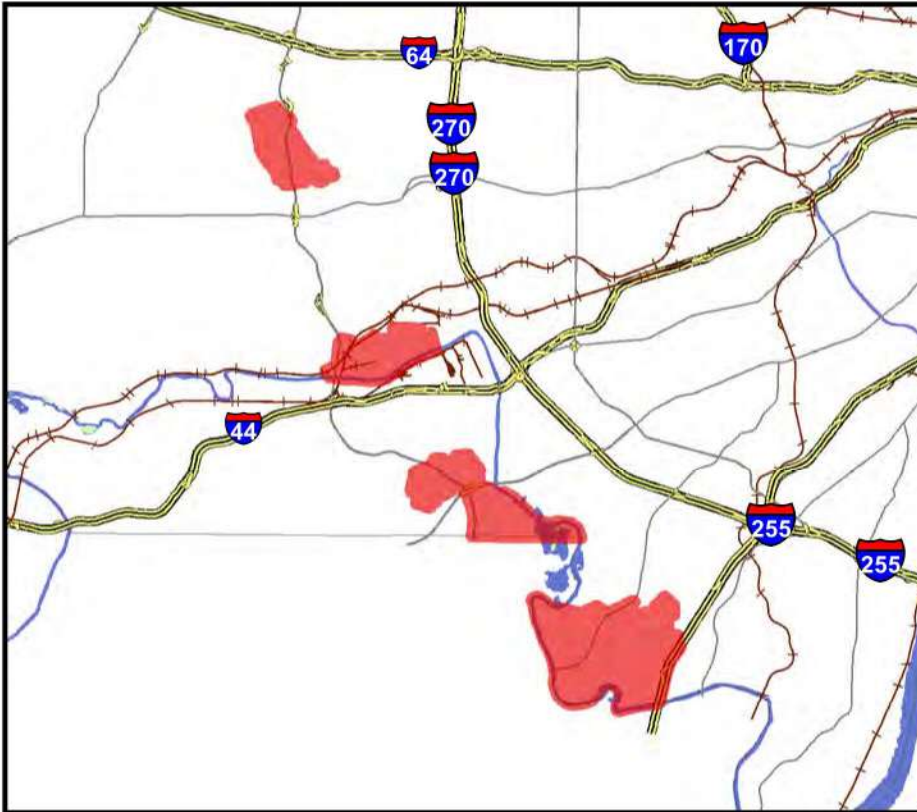
INCLUDES PUBLIC I/I REDUCTION FROM PROJECTS 12088, 12094, 12169, 12338, 12274, AND 12307.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Capital



# BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT E



**FISCAL YEAR:** 2022

**PROJECT NO:** 12587

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

INFLOW AND INFILTRATION CAUSING OVERCHARGED SEWERS.

**BUDGET:**  
\$87,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

REHABILITATION OF THE PUBLIC SEWER SYSTEM USING THE CURED IN PLACE PIPE METHOD, TO REDUCE PUBLIC I/I.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

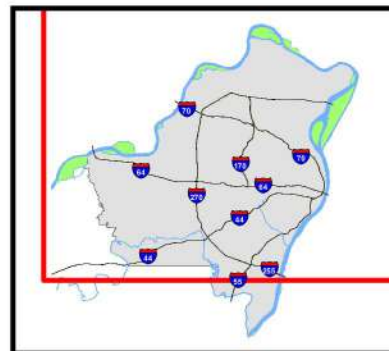
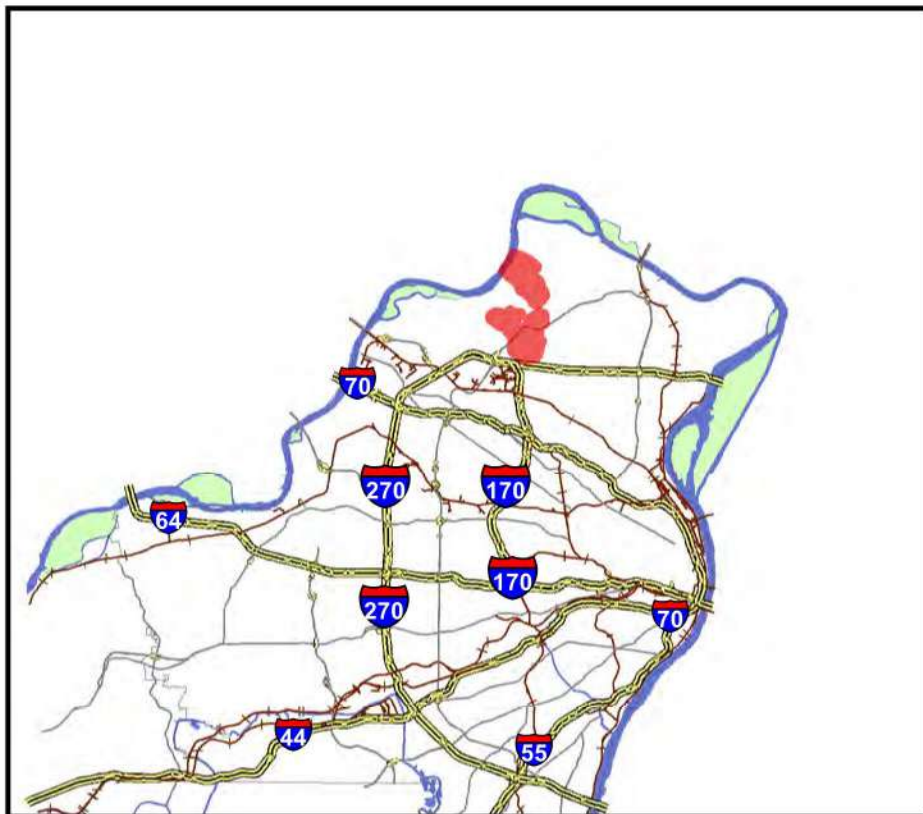
## Comments/Remarks

INCLUDES PUBLIC I/I REDUCTION FROM PROJECT 12350, 12167, 12258, AND 12277.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Capital

# BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT F



**FISCAL YEAR:** 2022

**PROJECT NO:** 13124

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

INFLOW AND INFILTRATION CAUSING OVERCHARGED SEWERS.

**BUDGET:**  
\$52,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

REHABILITATION OF THE PUBLIC SEWER SYSTEM USING THE CURED IN PLACE PIPE METHOD, TO REDUCE PUBLIC I/I.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

## Comments/Remarks

INCLUDES PUBLIC I/I REDUCTION FROM PROJECTS 12326 AND 12330.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Capital

# BURNING TREE INFRASTRUCTURE REPAIR (N. WATERFORD DR TO FOX RUN DR)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12108

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

DEFICIENT SEWER CAUSING OVERCHARGING.

## BUDGET:

\$103,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 230 FEET OF 15-INCH SANITARY SEWER AND  
REHABILITATE 180 FEET OF 15-INCH SANITARY SEWER.

## MUNICIPALITY:

Florissant

## MAJOR SERVICE AREA:

Coldwater

## Comments/Remarks

## WATERSHED:

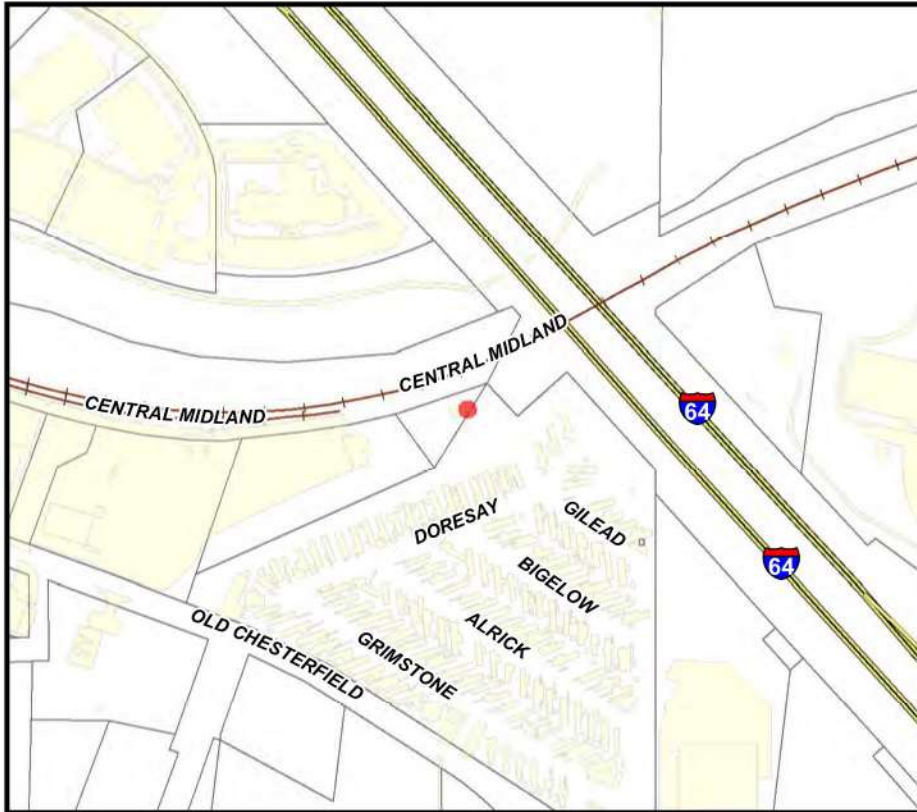
Coldwater Creek

## EXPENSE TYPE:

Capital



# CAULKS CREEK PUMP STATION B (P-751) RELOCATION



**FISCAL YEAR:** 2022

**PROJECT NO:** 12114

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services  
(Supplemental  
Appropriation)

**BUDGET:**  
\$1,035,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Chesterfield

**MAJOR SERVICE AREA:**  
Missouri

**WATERSHED:**  
Caulks Creek

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

PUMP STATION AT MAXIMUM CAPACITY, ACCESS IMPACTED BY FLOODING, UTILITY COMPLICATIONS, AND NO ROOM ON SITE FOR NEEDED EMERGENCY STORAGE.

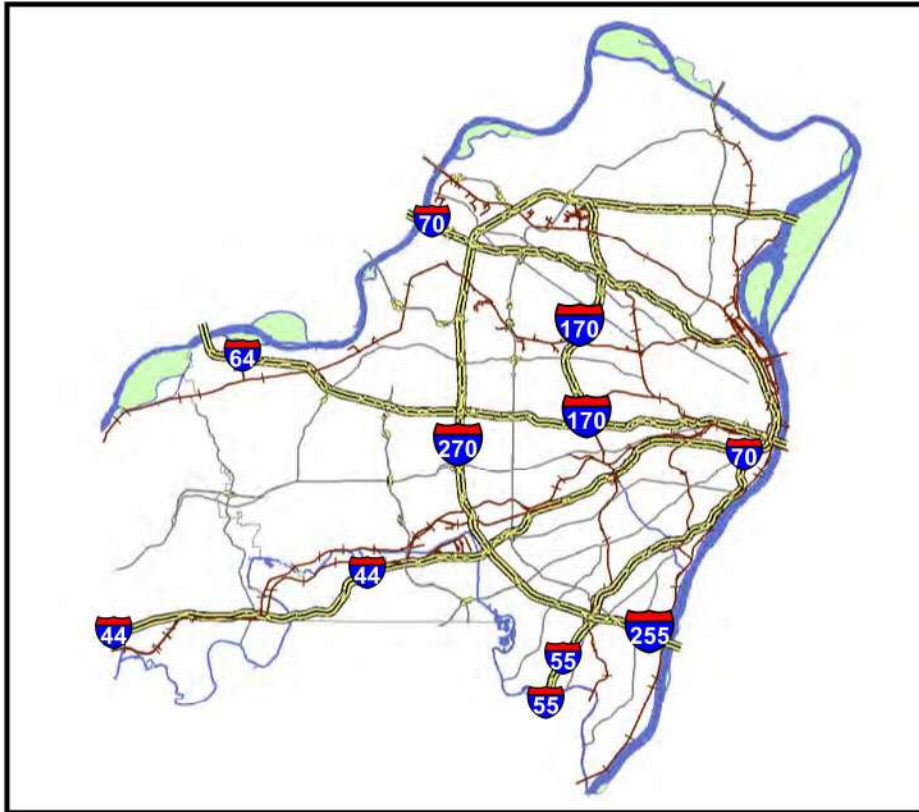
## Scope of Project

RECONSTRUCT PUMP STATION AT NEW LOCATION.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 25. TOTAL CONSTRUCTION BUDGET IS \$8,200,000.

# CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2020)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12000

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Vendor Services

## Description of Problem/Issue

FIELD INVESTIGATION OF SEWERS IS NEEDED TO IDENTIFY PROBLEMS AND QUANTIFY REQUIRED REPAIRS/IMPROVEMENTS AND CLEANING.

**BUDGET:**

\$2,500,000

**FUND:**

1101 - General Fund

## Scope of Project

PERFORM CCTV OR PHYSICAL INSPECTION AND CLEANING OF SELECTED SEWERS. SERVICES MAY BE RENEWED THROUGH FY2022 BASED ON PERFORMANCE.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

**WATERSHED:**

Various

**EXPENSE TYPE:**

Asset Management

# CLARK AVE SANITARY RELIEF (LACLEDE STA RD TO YEATMAN AVE)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12122

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

EXCESSIVE I/I, BUILDING BACKUPS, AND SEWER STRUCTURAL PROBLEMS.

## BUDGET:

\$323,000

## FUND:

6660 - Sanitary Replacement Fund

## Scope of Project

CONSTRUCT 1,270 FEET OF 18-INCH SANITARY SEWER.

## MUNICIPALITY:

Webster Groves

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

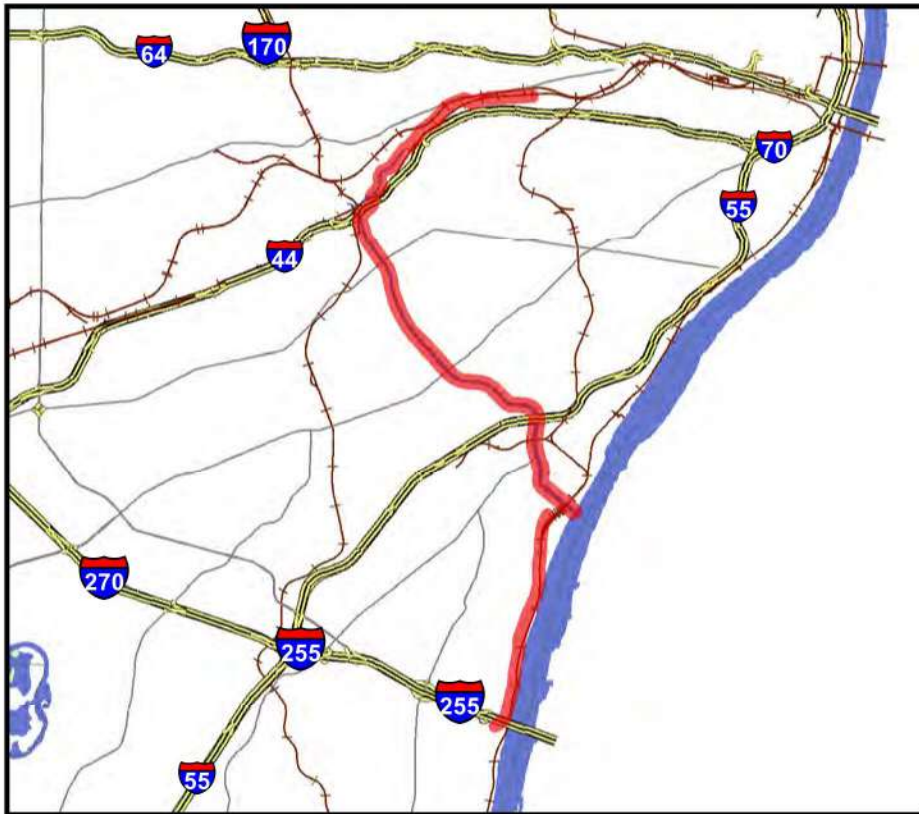
Deer Creek

## EXPENSE TYPE:

Capital



# CONSTRUCTION MANAGEMENT SERVICES - LOWER AND MIDDLE RDP TUNNEL FACILITIES



**FISCAL YEAR:** 2022

**PROJECT NO:** 11152

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Professional Services

## Description of Problem/Issue

SYSTEM DEFICIENCIES REQUIRING CORRECTION OR MITIGATION VIA TUNNEL CONSTRUCTION.

## BUDGET:

\$2,700,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

PROVIDE CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE LMRDP CSO STORAGE TUNNEL (BROADWAY TO RDP TUBES), AND THE JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS).

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

SUPPLEMENTAL APPROPRIATION FOR ONGOING SERVICES. MAY INCLUDE CAPITAL AND NON-CAPITAL SERVICES.

## WATERSHED:

Various

## EXPENSE TYPE:

Asset Management

# CONSTRUCTION MANAGEMENT SERVICES - LOWER MERAMEC AND DEER CREEK TUNNELS



**FISCAL YEAR:** 2022

**PROJECT NO:** 11826

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Professional Services

## Description of Problem/Issue

SYSTEM DEFICIENCIES REQUIRING CORRECTION OR MITIGATION VIA TUNNEL CONSTRUCTION.

## BUDGET:

\$4,800,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

PROVIDE CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE DEER CREEK TUNNEL & TRUNK SEWER, MALINE CREEK STORAGE FACILITY, RDP TRIBUTARIES CSO TUNNEL, UPPER RDP CSO STORAGE TUNNEL, AND THE LOWER MERAMEC SYSTEM BAUMGARTNER TO FENTON WWTF TUNNEL.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

SUPPLEMENTAL APPROPRIATION FOR ONGOING SERVICES. MAY INCLUDE CAPITAL AND NON-CAPITAL SERVICES.

## WATERSHED:

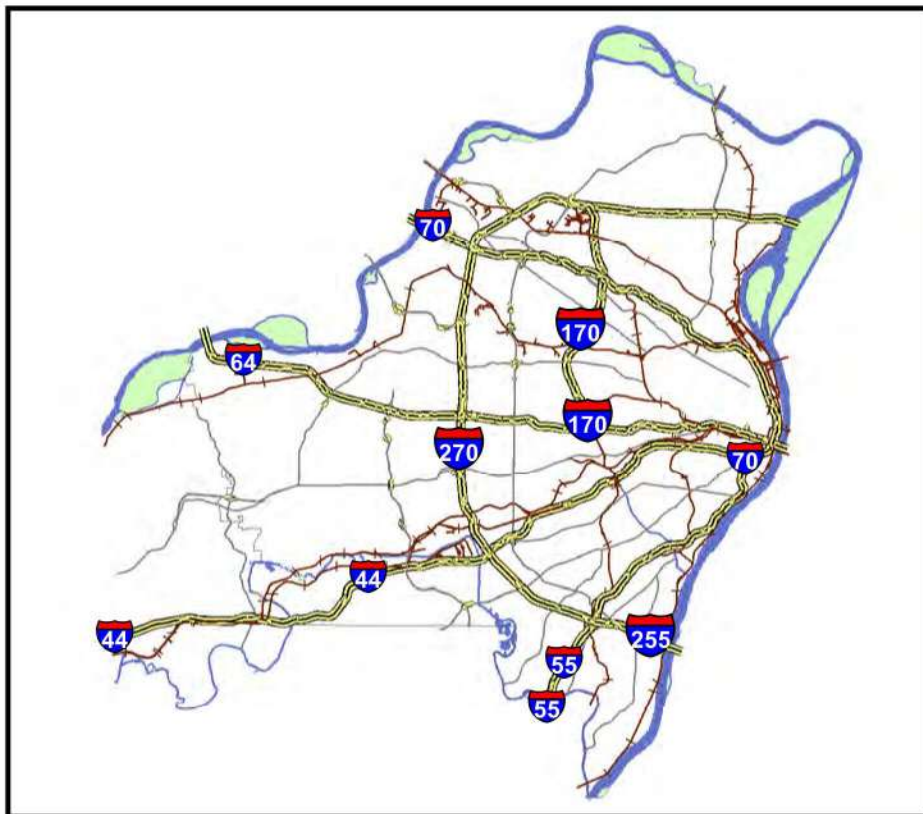
Various

## EXPENSE TYPE:

Asset Management



# CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES



**FISCAL YEAR:** 2022

**PROJECT NO:** 11151

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Professional Services

## Description of Problem/Issue

SYSTEM DEFICIENCIES REQUIRING CORRECTION OR MITIGATION VIA THE CONSTRUCTION OF STORAGE TANKS AND PUMP STATIONS, AND TREATMENT FACILITY IMPROVEMENTS.

## BUDGET:

\$7,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

PROVIDE CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR TANK, TREATMENT, AND PUMP STATION PROJECTS THROUGHOUT THE DISTRICT.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

SUPPLEMENTAL APPROPRIATION FOR ONGOING SERVICES. MAY INCLUDE CAPITAL AND NON-CAPITAL SERVICES.

## WATERSHED:

Various

## EXPENSE TYPE:

Asset Management

# CONWAY ROAD SANITARY RELIEF (CONWAY LN TO DWYER AVE)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12130

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$108,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 880 FEET OF 8-INCH TO 15-INCH SANITARY SEWER.

## MUNICIPALITY:

Ladue

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

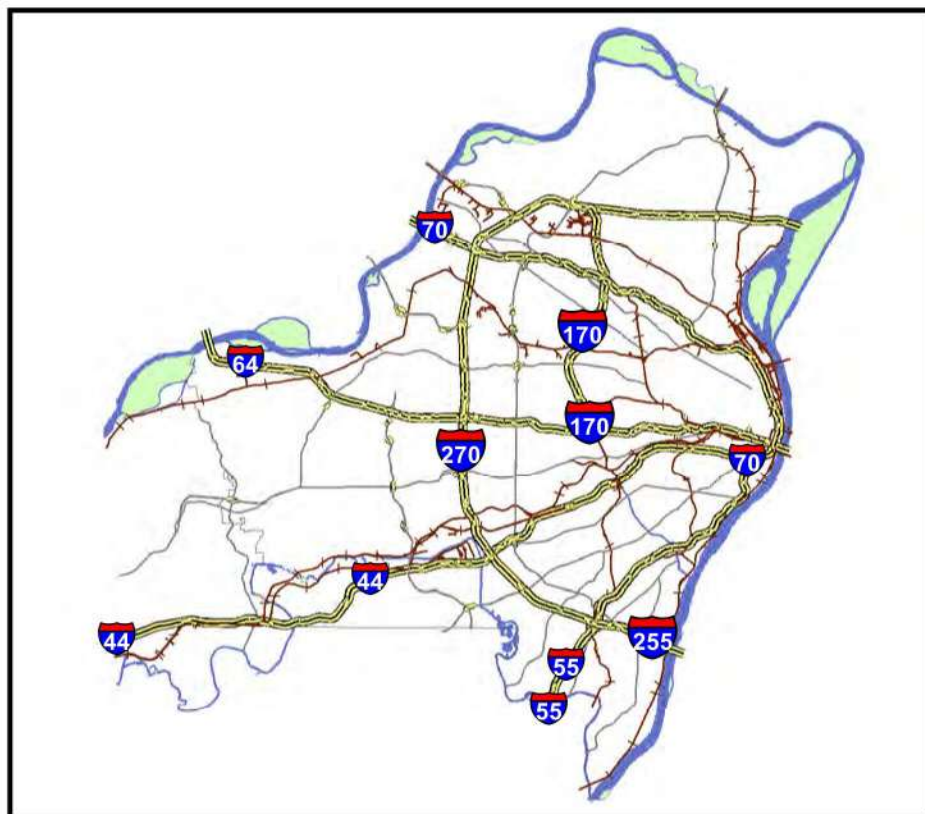
Deer Creek

## EXPENSE TYPE:

Capital



# CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2020)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12907

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Vendor Services

## Description of Problem/Issue

INVESTIGATION NEEDED TO DETERMINE SEWER CONDITIONS AND SYSTEM DEFECTS TO PROVIDE THE BASIS FOR PREVENTATIVE MAINTENANCE AND REHABILITATION ACTIVITIES.

## BUDGET:

\$1,700,000

## FUND:

1101 - General Fund

## Scope of Project

PERFORM SERVICES SUCH AS FIELD RECONNAISSANCE AND INSPECTION, MAP UPDATES, WORK ORDER MANAGEMENT, FLOODWALL GATE INSPECTIONS, SSO MONITORING EQUIPMENT MAINTENANCE, AND CCTV VIDEO REVIEW. SERVICES MAY BE RENEWED THROUGH FY2022 BASED ON PERFORMANCE.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

THIS PROJECT WILL PROVIDE SUPPORT FOR THE OPERATIONS DEPARTMENT, DESIGN AND PLANNING ACTIVITIES, AND UPDATES TO ASSET INFORMATION PROGRAMS.

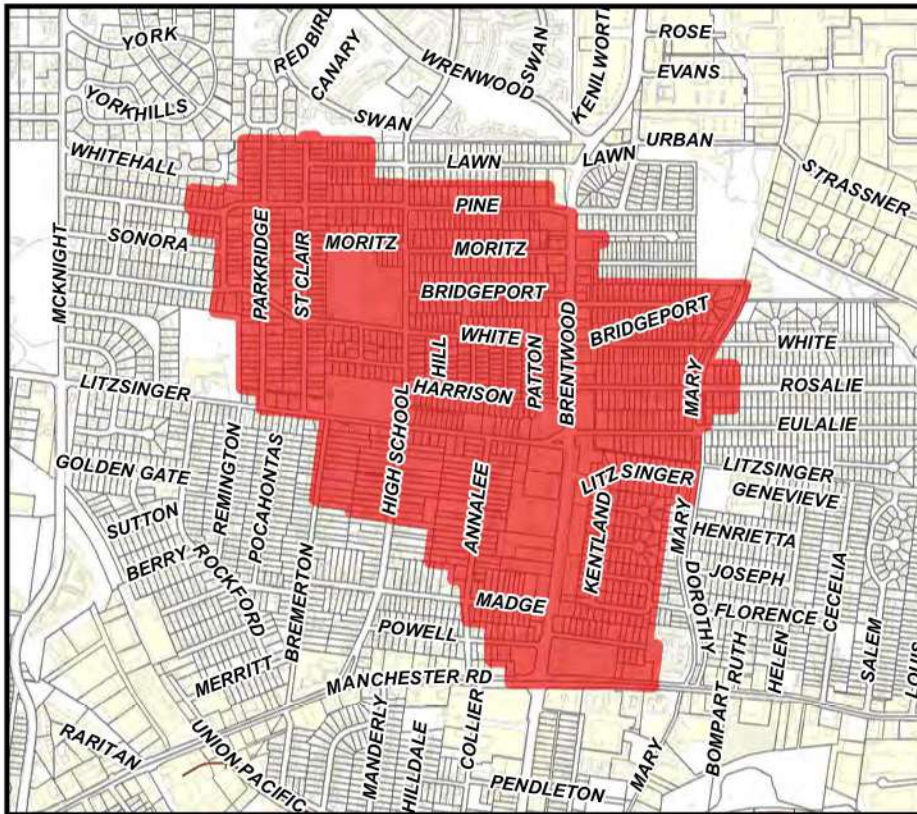
## WATERSHED:

Various

## EXPENSE TYPE:

Asset Management

# CSO - MARY AVENUE SOUTH OF MANCHESTER CSO INTERCEPTOR (I-132)/OUTFALL (L-106) ELIMINATION PHASE II



**FISCAL YEAR:** 2022

**PROJECT NO:** 12140

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services  
(Supplemental  
Appropriation)

**BUDGET:**  
\$150,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Brentwood

**MAJOR SERVICE AREA:**  
Lemay/RDP

**WATERSHED:**  
Deer Creek

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

REMOVAL OF I-132 AND L-106 REQUIRED BY THE LONG TERM CONTROL PLAN.

## Scope of Project

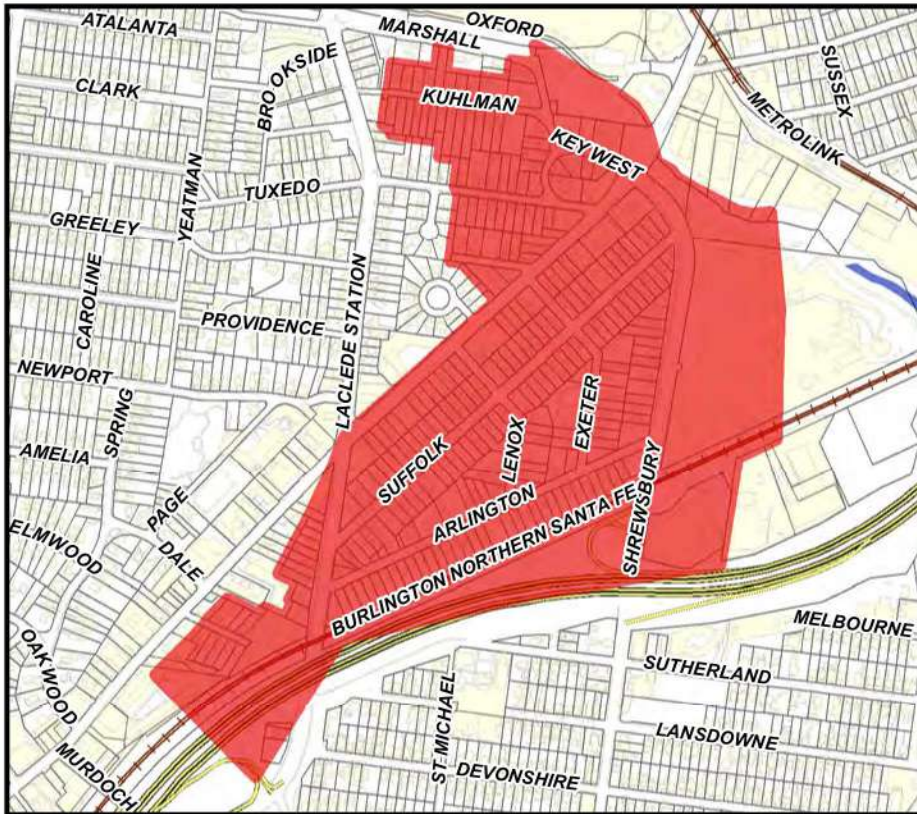
CONSTRUCT 10,500 FEET OF 8-INCH TO 36-INCH SANITARY SEWER, AND 3,600 FEET OF 12-INCH TO 36-INCH STORM SEWER. PERFORM PUBLIC AND PRIVATE I/I REDUCTION TO FACILITATE COMBINED SEWER SEPARATION. REMOVE INTERCEPTOR I-132 AND CSO OUTFALL L-106.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 24. TOTAL CONSTRUCTION BUDGET IS \$26,500,000.



# CSO - SHREWSBURY AVE CSO INTERCEPTOR (I-293)/OUTFALL (L-166) SEWER SEPARATION



**FISCAL YEAR:** 2022

**PROJECT NO:** 12141

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

EXCESSIVE I/I CAUSING OVERCHARGED SANITARY SEWERS.

**BUDGET:**  
\$450,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 1,130 FEET OF 8-INCH TO 21-INCH SANITARY AND 290 FEET OF 12-INCH STORM SEWER, AND PERFORM PRIVATE I/I REDUCTION AT 37 PROPERTIES.

**MUNICIPALITY:**  
Shrewsbury

**MAJOR SERVICE AREA:**  
Lemay/RDP

## Comments/Remarks

PUBLIC I/I REDUCTION INCLUDED IN PROJECT 12590.

**WATERSHED:**  
Deer Creek

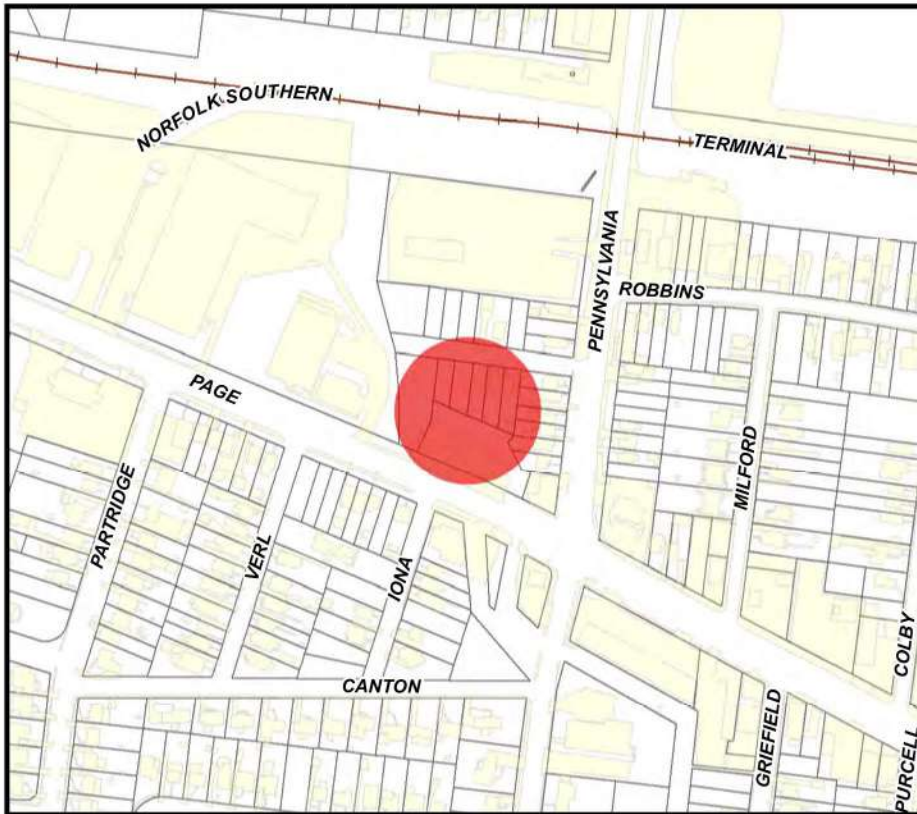
**EXPENSE TYPE:**  
Capital



Appendix-45



# ELTORA WET WEATHER STORAGE FACILITY



**FISCAL YEAR:** 2022

**PROJECT NO:** 11737

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services  
(Supplemental  
Appropriation)

**BUDGET:**  
\$100,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Pagedale

**MAJOR SERVICE AREA:**  
Lemay/RDP

**WATERSHED:**  
University City Branch

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SEWERS. CONSTRUCTED SSO  
OUTFALLS REQUIRE REMOVAL.

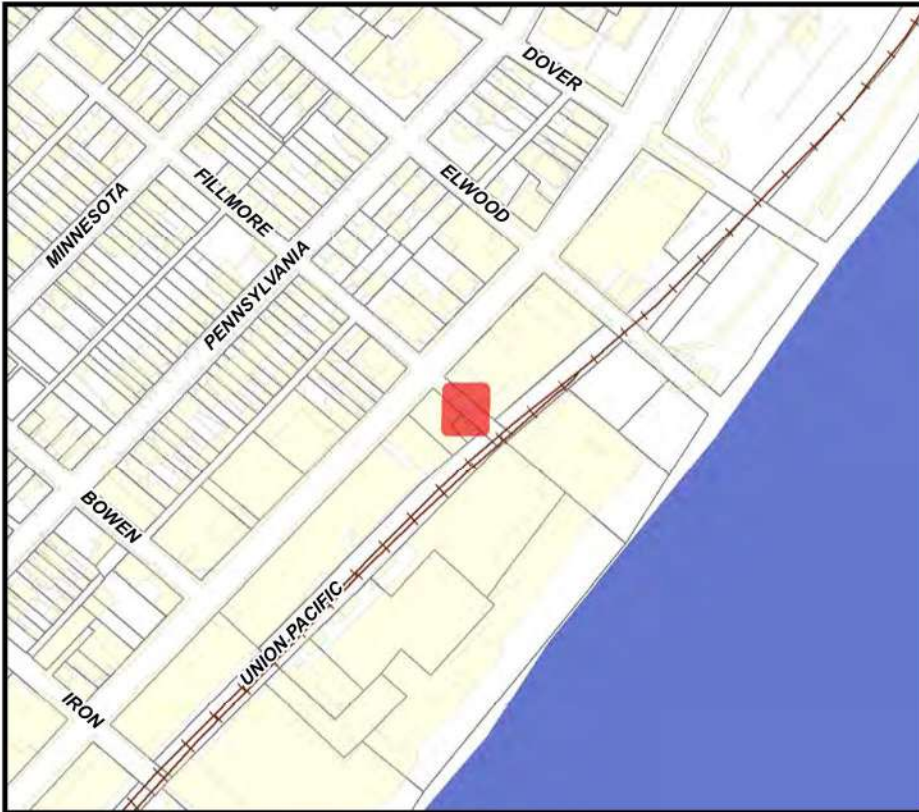
## Scope of Project

CONSTRUCT A 2 MILLION GALLON SANITARY STORAGE FACILITY,  
PUMP STATION, AND COLLECTION SEWERS.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL  
APPROPRIATION IN FY 24. TOTAL CONSTRUCTION BUDGET IS  
\$10,447,000.

# FILLMORE PUMP STATION (P-308) REHABILITATION



**FISCAL YEAR:** 2022

**PROJECT NO:** 13046

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

AGING PUMP STATION IN NEED OF ASSET RENEWAL.

## BUDGET:

\$300,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REHABILITATE THE MECHANICAL AND ELECTRICAL SYSTEMS, AND  
THE BUILDING ENVELOPE.

## MUNICIPALITY:

St. Louis City

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

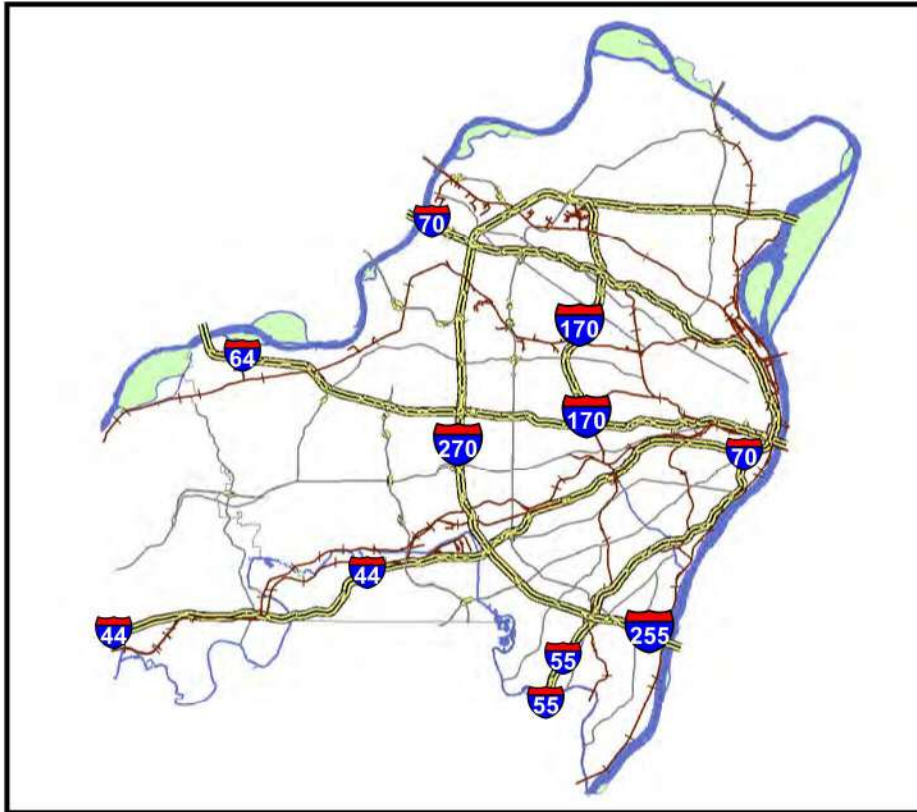
Mississippi River Tributary Areas

## EXPENSE TYPE:

Capital



# FLOW METERING AND MONITORING (2022)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12801

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Vendor Services

## Description of Problem/Issue

COMPUTER MODELING OF THE SEWER SYSTEM REQUIRES FLOW DATA IN ORDER TO BE ACCURATELY CALIBRATED TO FIELD CONDITIONS.

## BUDGET:

\$2,500,000

## FUND:

1101 - General Fund

## Scope of Project

CONDUCT FLOW METERING AND MONITORING OF THE WASTEWATER SYSTEM TO COLLECT AND ANALYZE DATA ON FLOWS AND SYSTEM RESPONSE DURING WET WEATHER EVENTS. THIS INFORMATION WILL BE USED TO CALIBRATE HYDRAULIC MODELS TO DETERMINE IF PROJECTS ARE REQUIRED.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

SERVICES MAY BE RENEWED THROUGH FY2026 BASED ON PERFORMANCE.

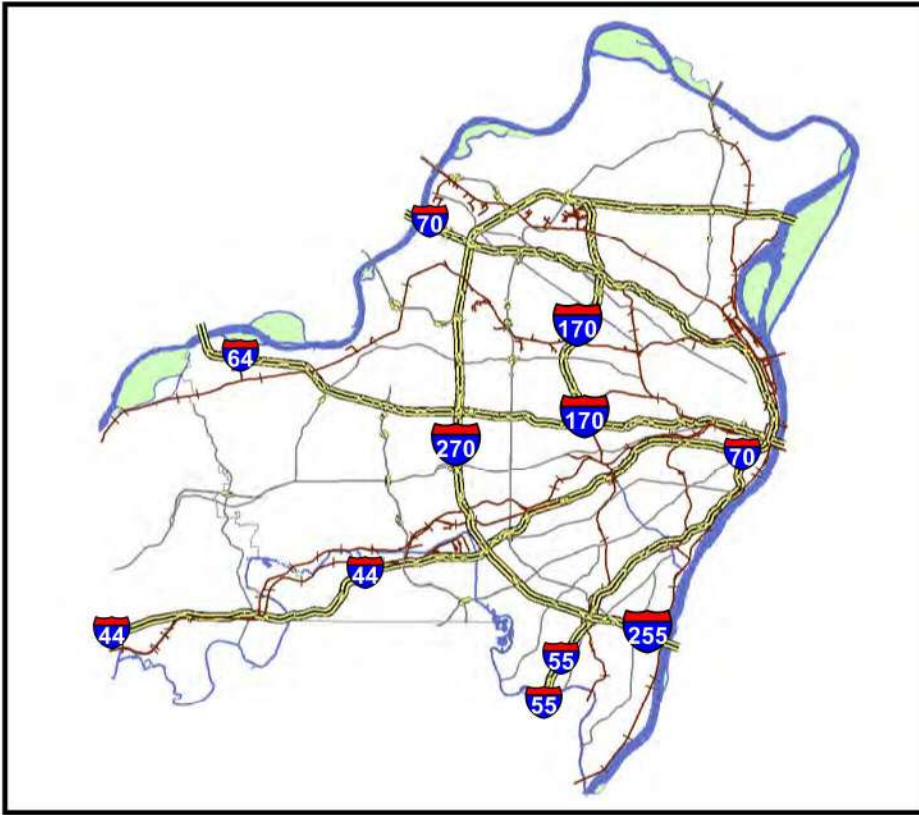
## WATERSHED:

Various

## EXPENSE TYPE:

Asset Management

# GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2022)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12387

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
14

**TASK NAME:**  
General Services -  
Construction Inspection

## Description of Problem/Issue

CONSTRUCTION MANAGEMENT NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEEDS THE CAPACITY OF INTERNAL STAFF.

## BUDGET:

\$2,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN CONSTRUCTION MANAGEMENT CONSULTANT FOR AS NEEDED SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

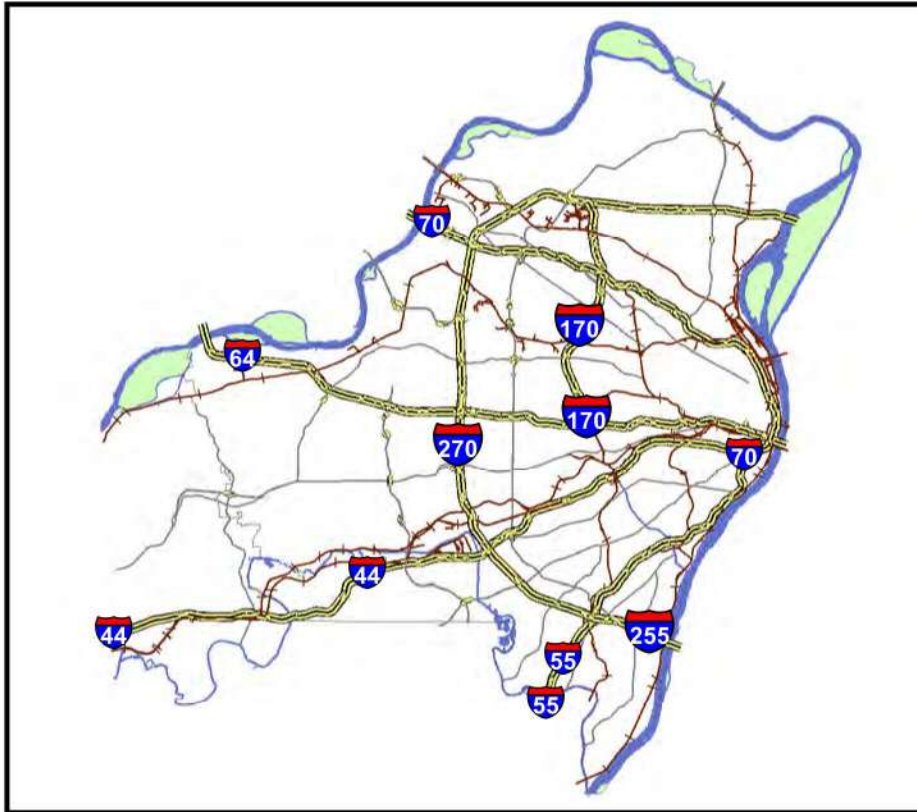
## WATERSHED:

Various

## EXPENSE TYPE:

Asset Management

# GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2018) CONTRACT B



**FISCAL YEAR:** 2022

**PROJECT NO:** 12894

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - (Design) CIRP  
Funds

## Description of Problem/Issue

DESIGN NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL STAFF.

**BUDGET:**  
\$50,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN DESIGN FIRM FOR AS NEEDED FACILITY & SEWER DESIGN SERVICES.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

## Comments/Remarks

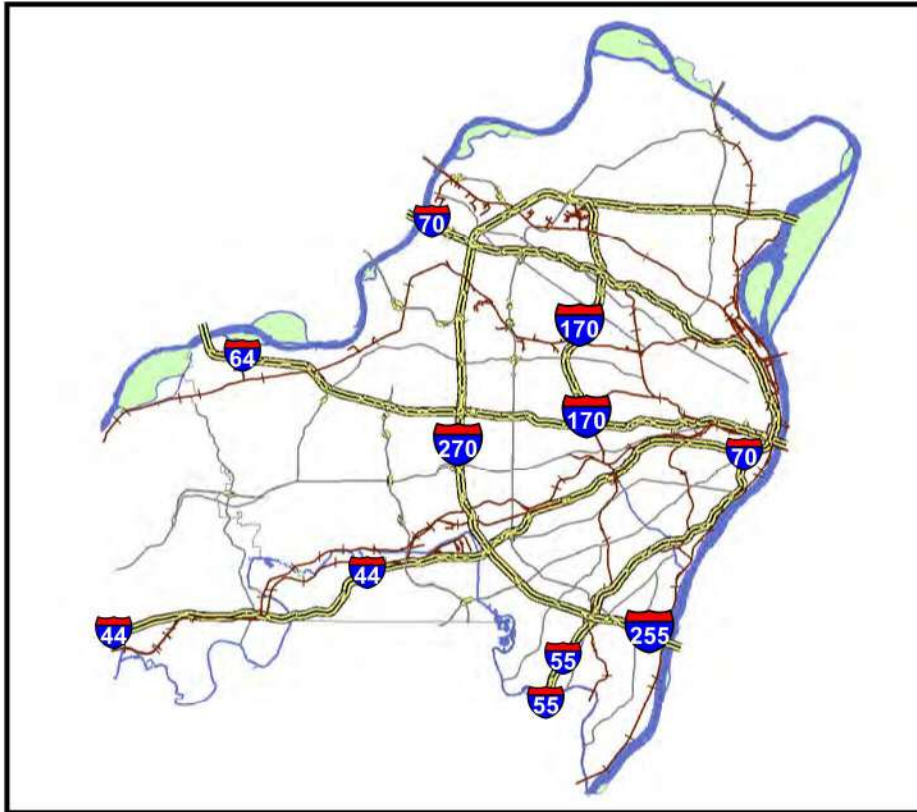
PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Asset Management



# GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT A



**FISCAL YEAR:** 2022

**PROJECT NO:** 13098

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - (Design) CIRP  
Funds

## Description of Problem/Issue

DESIGN NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL STAFF.

**BUDGET:**

\$475,000

**FUND:**

6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN DESIGN FIRM FOR AS NEEDED FACILITY & SEWER DESIGN SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

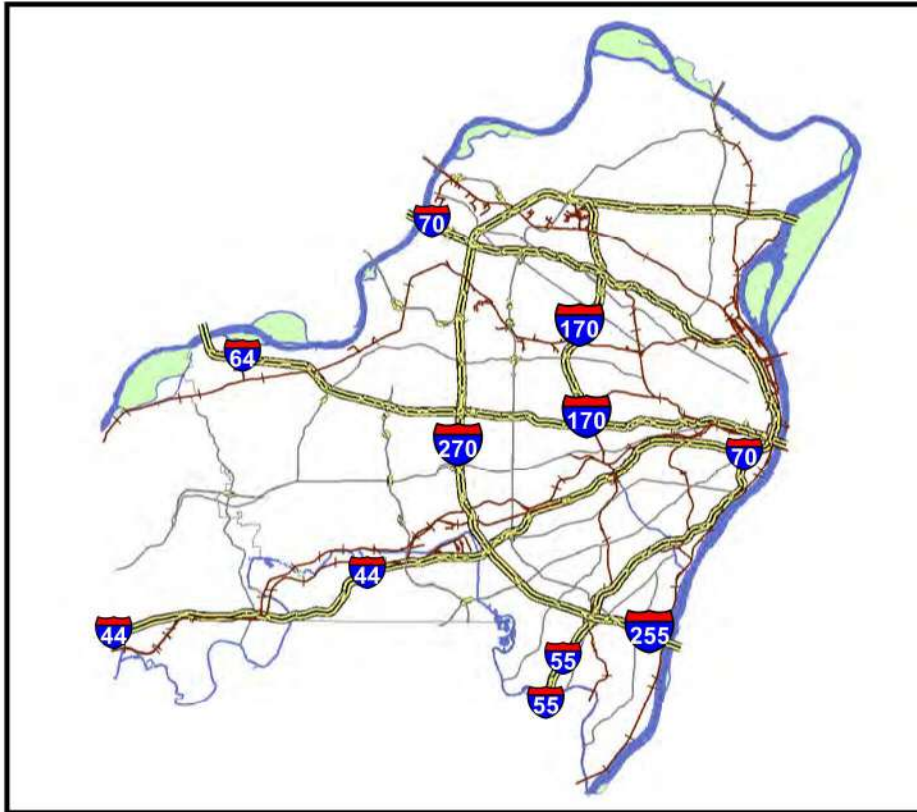
**WATERSHED:**

Various

**EXPENSE TYPE:**

Asset Management

# GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT B



**FISCAL YEAR:** 2022

**PROJECT NO:** 13099

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - (Design) CIRP  
Funds

## Description of Problem/Issue

DESIGN NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL STAFF.

**BUDGET:**

\$250,000

**FUND:**

6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN DESIGN FIRM FOR AS NEEDED CONDITION AND REMAINING USEFUL LIFE ASSESSMENTS IN SUPPORT OF ONGOING PLANNING EFFORTS. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

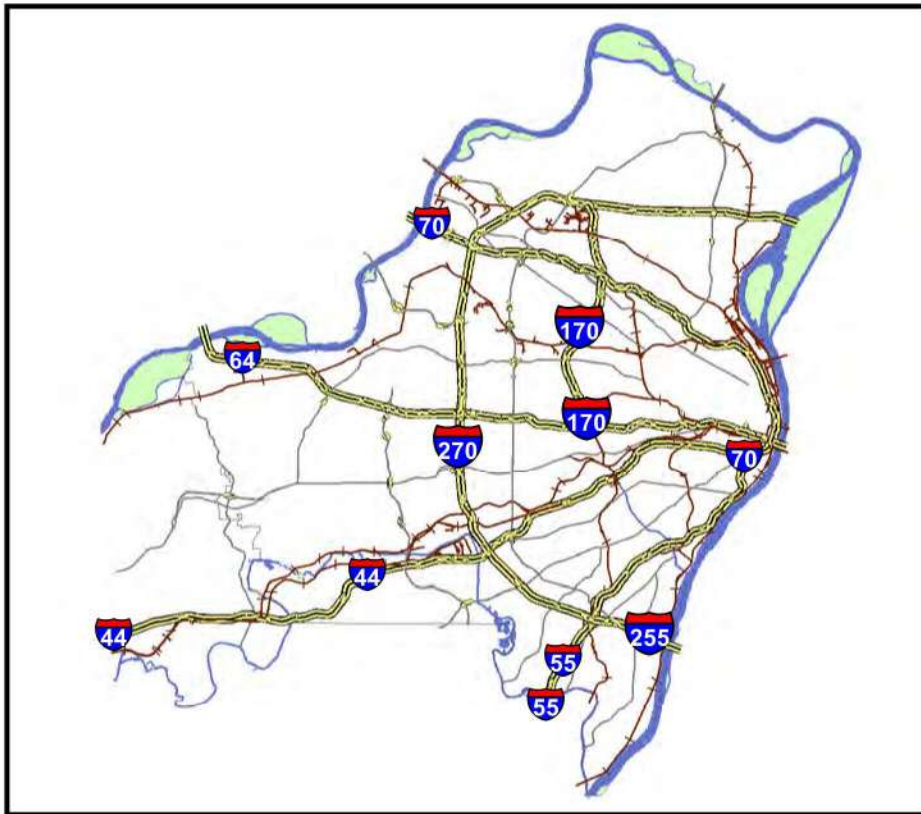
**WATERSHED:**

Various

**EXPENSE TYPE:**

Asset Management

# GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT A



**FISCAL YEAR:** 2022

**PROJECT NO:** 13102

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - Geotechnical  
CIRP Funds

## Description of Problem/Issue

GEOTECHNICAL INVESTIGATION NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL STAFF.

**BUDGET:**  
\$85,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN GEOTECHNICAL FIRM FOR AS NEEDED SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

## Comments/Remarks

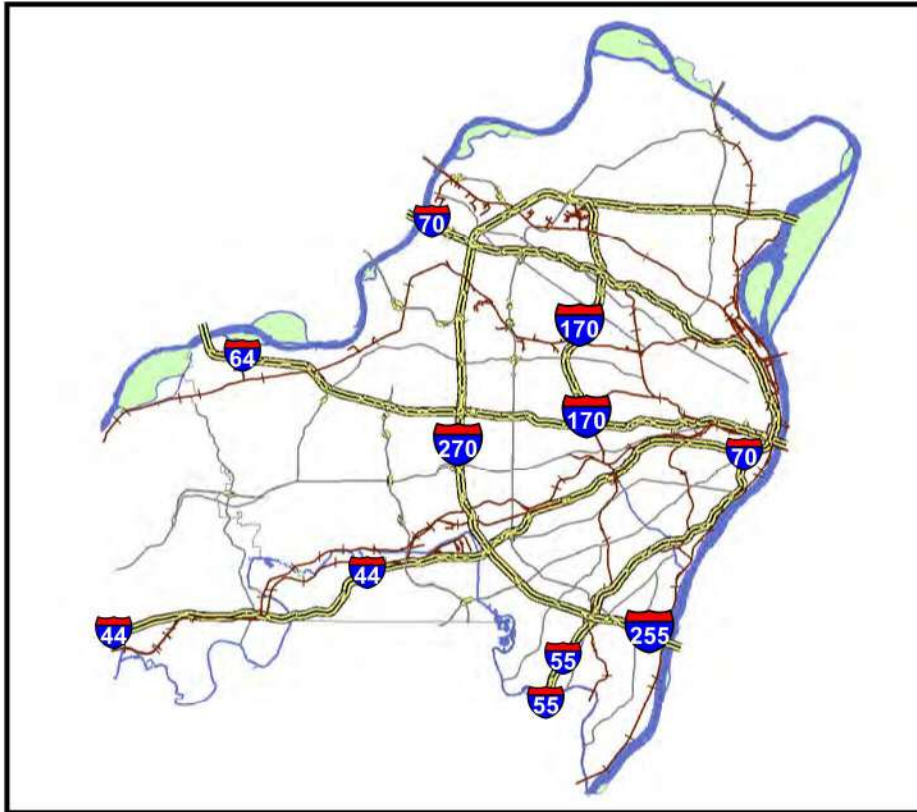
PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES. A PORTION OF CONTRACT MAY BE FUNDED OUT OF FUND 5120 FOR STORMWATER SERVICES.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Asset Management



# GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT B



**FISCAL YEAR:** 2022

**PROJECT NO:** 13103

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - Geotechnical  
CIRP Funds

## Description of Problem/Issue

GEOTECHNICAL INVESTIGATION NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL STAFF.

**BUDGET:**  
\$85,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN GEOTECHNICAL FIRM FOR AS NEEDED SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

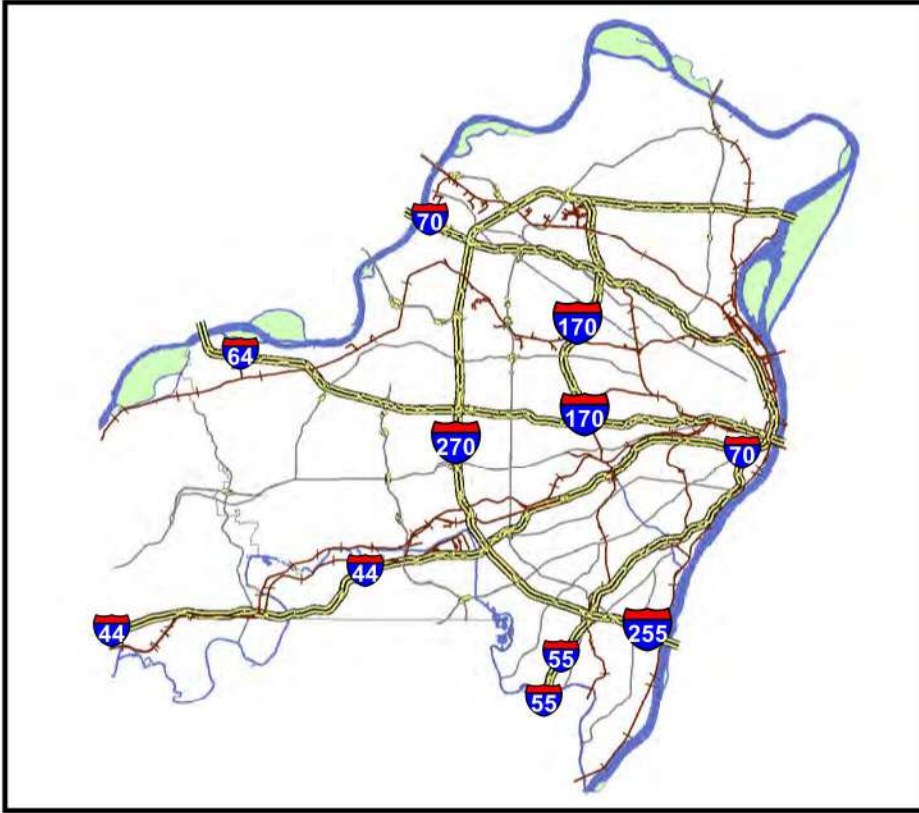
## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES. A PORTION OF CONTRACT MAY BE FUNDED OUT OF FUND 5120 FOR STORMWATER SERVICES.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Asset Management

# GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT C



**FISCAL YEAR:** 2022

**PROJECT NO:** 13104

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - Geotechnical  
CIRP Funds

## Description of Problem/Issue

GEOTECHNICAL INVESTIGATION NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL STAFF.

**BUDGET:**  
\$85,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN GEOTECHNICAL FIRM FOR AS NEEDED SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

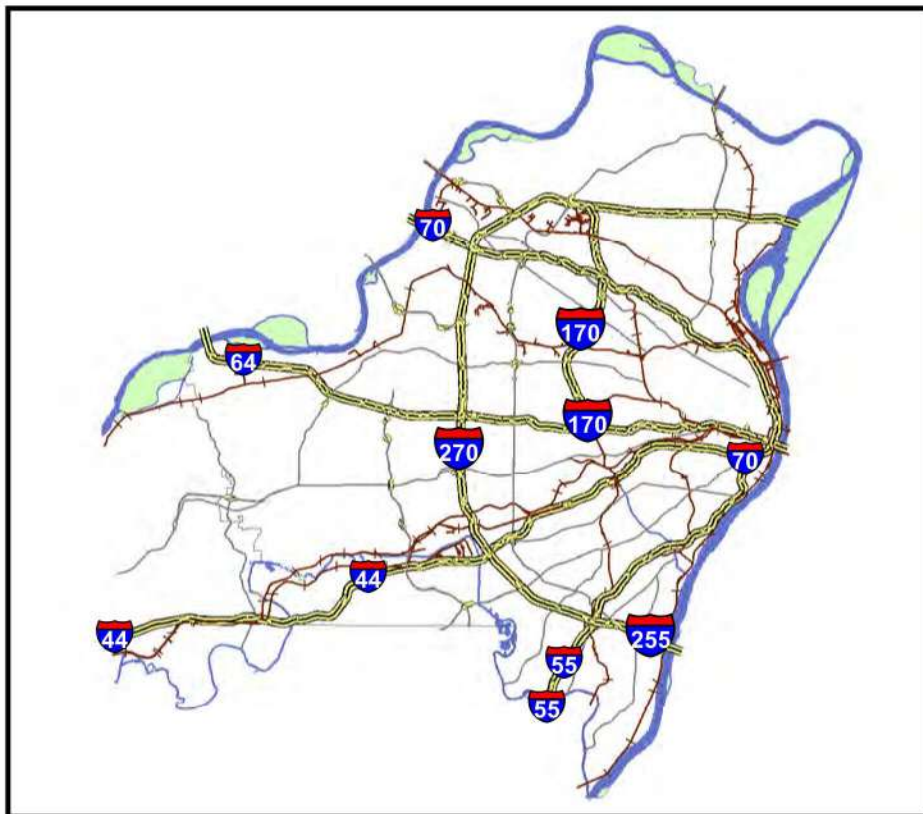
## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES. A PORTION OF CONTRACT MAY BE FUNDED OUT OF FUND 5120 FOR STORMWATER SERVICES.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Asset Management

# GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT A



**FISCAL YEAR:** 2022

**PROJECT NO:** 13087

**PROJECT TYPE:**  
Unallocated

**TASK NO:**  
12

**TASK NAME:**  
Appraisal Services

## Description of Problem/Issue

APPRAISAL SERVICES ARE REQUIRED TO SUPPORT THE DISTRICT'S CAPITAL PROGRAM.

**BUDGET:**  
\$75,000

**FUND:**  
1101 - General Fund

## Scope of Project

PERFORM AS NEEDED APPRAISAL SERVICES TO SUPPORT THE DISTRICT'S PROGRAM. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

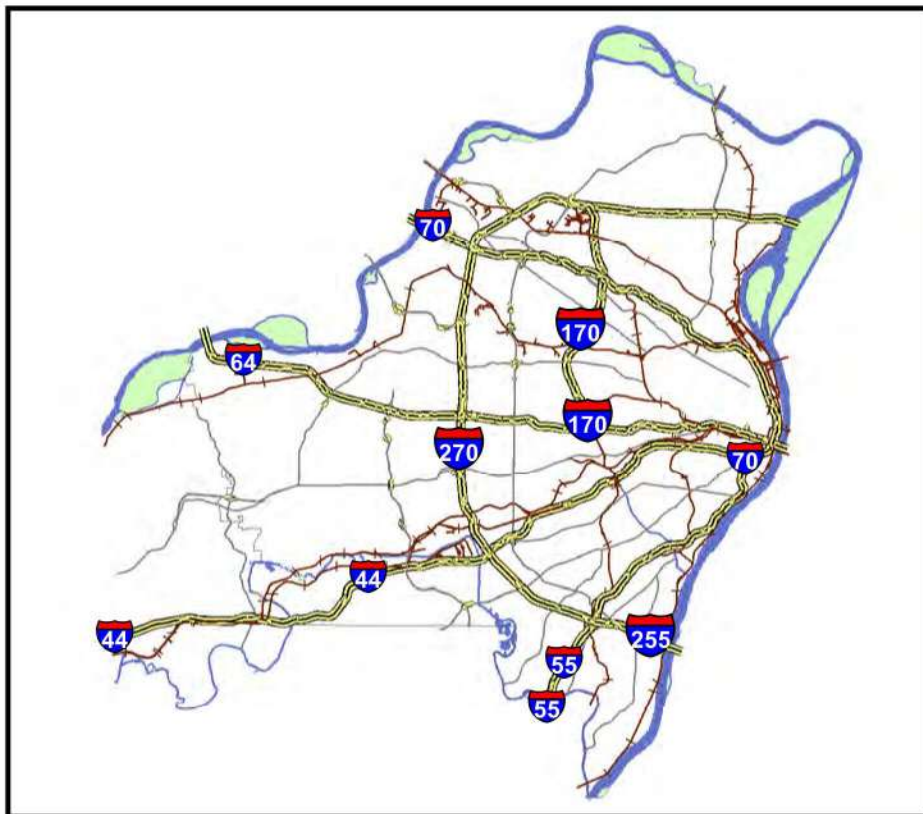
## Comments/Remarks

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Non-recurring



# GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT B



**FISCAL YEAR:** 2022

**PROJECT NO:** 13088

**PROJECT TYPE:**  
Unallocated

**TASK NO:**  
12

**TASK NAME:**  
Appraisal Services

## Description of Problem/Issue

APPRAISAL SERVICES ARE REQUIRED TO SUPPORT THE DISTRICT'S CAPITAL PROGRAM.

**BUDGET:**  
\$75,000

**FUND:**  
1101 - General Fund

## Scope of Project

PERFORM AS NEEDED APPRAISAL SERVICES TO SUPPORT THE DISTRICT'S PROGRAM. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

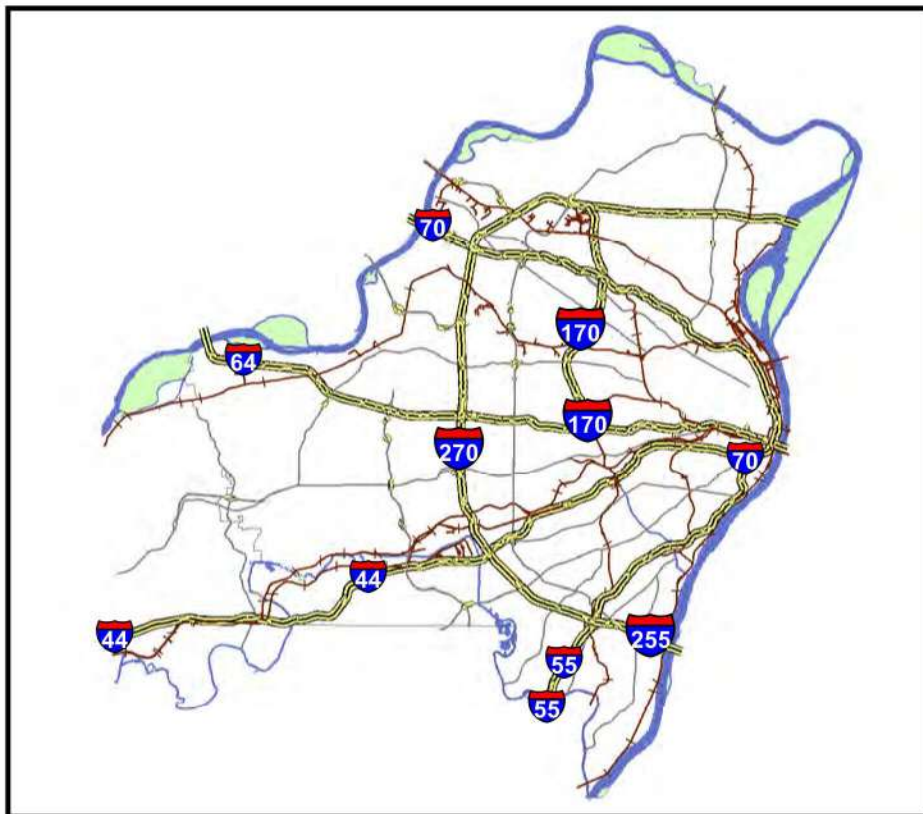
**MAJOR SERVICE AREA:**  
Various

## Comments/Remarks

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Non-recurring

# GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT C



**FISCAL YEAR:** 2022

**PROJECT NO:** 13089

**PROJECT TYPE:**  
Unallocated

**TASK NO:**  
12

**TASK NAME:**  
Appraisal Services

## Description of Problem/Issue

APPRAISAL SERVICES ARE REQUIRED TO SUPPORT THE DISTRICT'S CAPITAL PROGRAM.

**BUDGET:**  
\$75,000

**FUND:**  
1101 - General Fund

## Scope of Project

PERFORM AS NEEDED APPRAISAL SERVICES TO SUPPORT THE DISTRICT'S PROGRAM. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

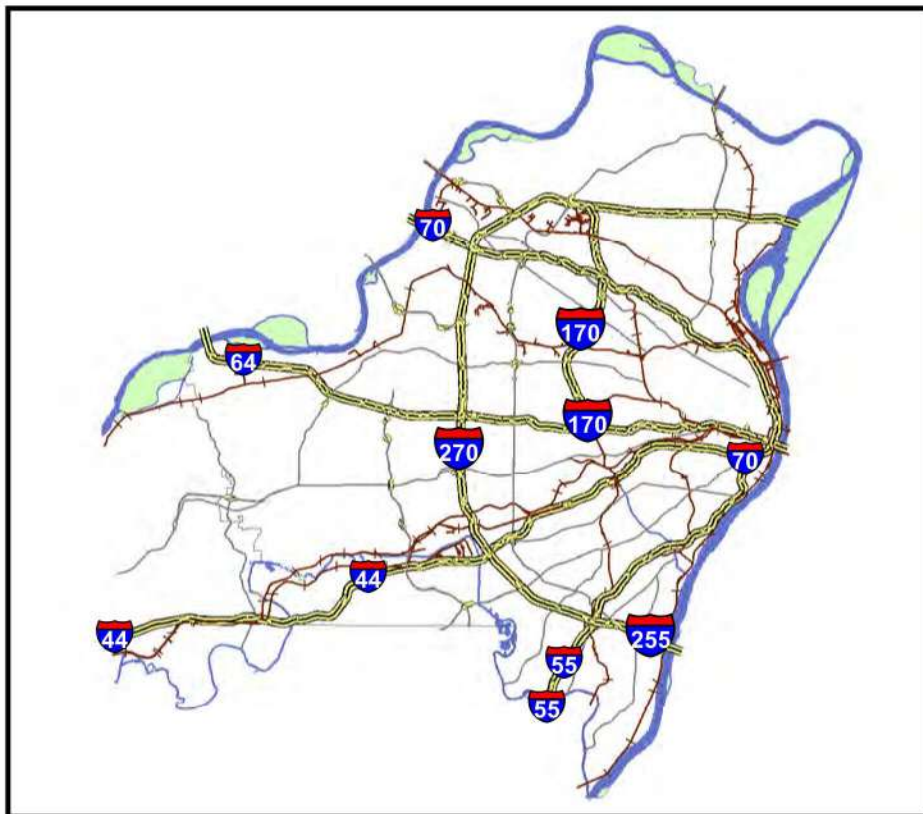
**MAJOR SERVICE AREA:**  
Various

## Comments/Remarks

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Non-recurring

# GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT D



**FISCAL YEAR:** 2022

**PROJECT NO:** 13090

**PROJECT TYPE:**  
Unallocated

**TASK NO:**  
12

**TASK NAME:**  
Appraisal Services

## Description of Problem/Issue

APPRAISAL SERVICES ARE REQUIRED TO SUPPORT THE DISTRICT'S CAPITAL PROGRAM.

**BUDGET:**  
\$75,000

**FUND:**  
1101 - General Fund

## Scope of Project

PERFORM AS NEEDED APPRAISAL SERVICES TO SUPPORT THE DISTRICT'S PROGRAM. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

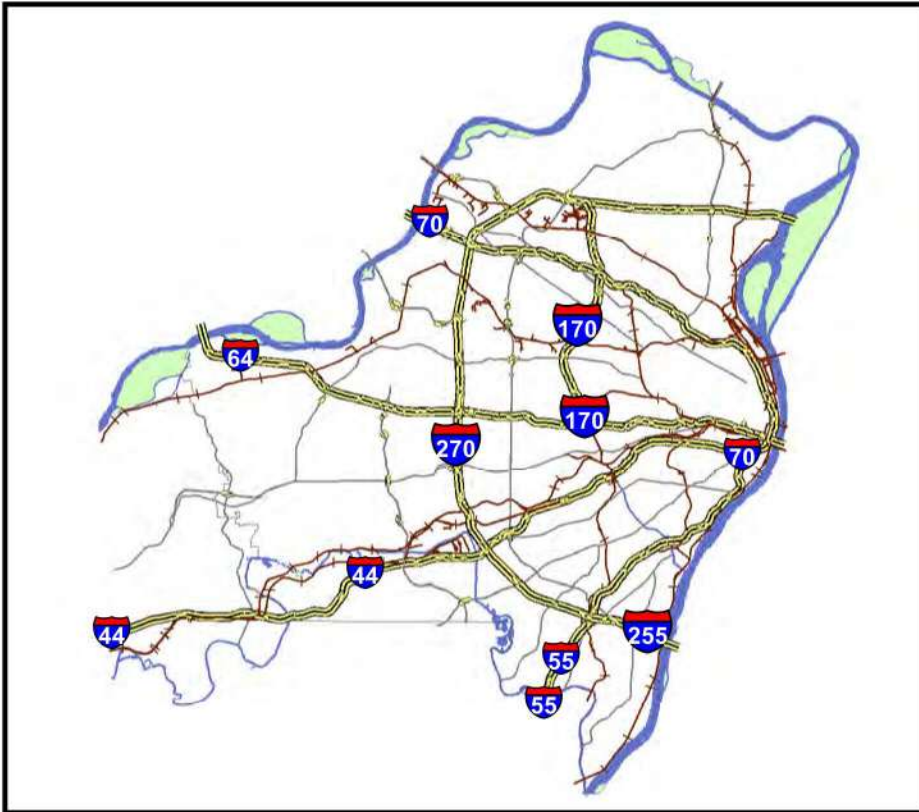
## Comments/Remarks

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Non-recurring



# GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT A



**FISCAL YEAR:** 2022

**PROJECT NO:** 13108

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - (Survey) CIRP  
Funds

## Description of Problem/Issue

SURVEY NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL SURVEY STAFF.

**BUDGET:**  
\$50,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN SURVEY FIRM FOR AS NEEDED SURVEY SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

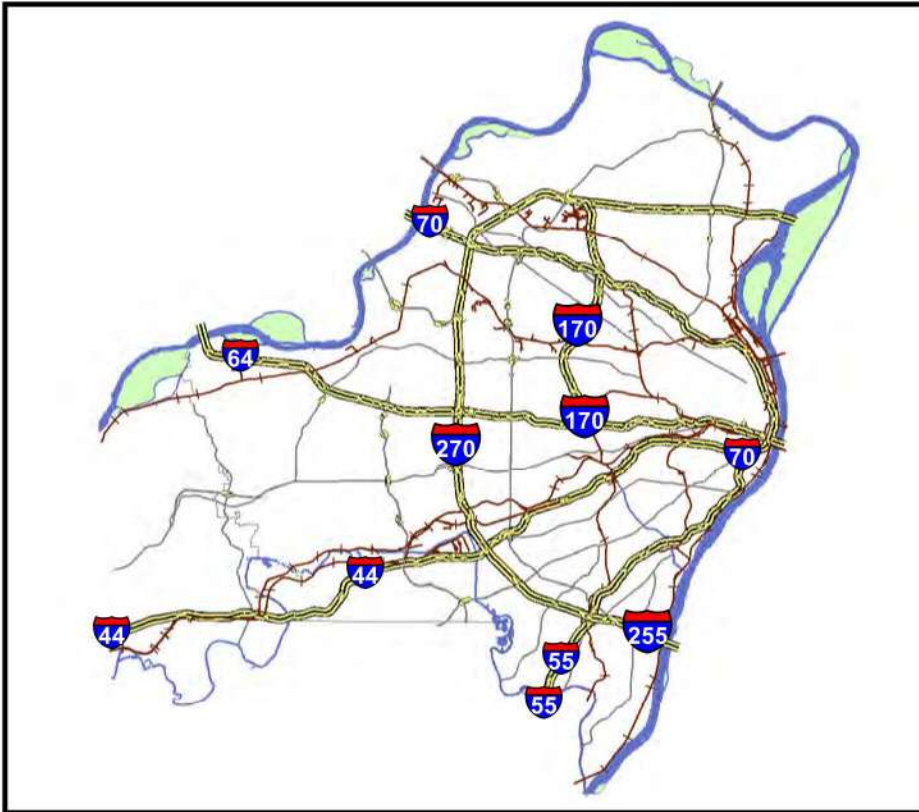
## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES. A PORTION OF CONTRACT MAY BE FUNDED OUT OF FUND 5120 FOR STORMWATER SERVICES.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Asset Management

# GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT B



**FISCAL YEAR:** 2022

**PROJECT NO:** 13109

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - (Survey) CIRP  
Funds

## Description of Problem/Issue

SURVEY NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL SURVEY STAFF.

**BUDGET:**  
\$50,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN SURVEY FIRM FOR AS NEEDED SURVEY SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

## Comments/Remarks

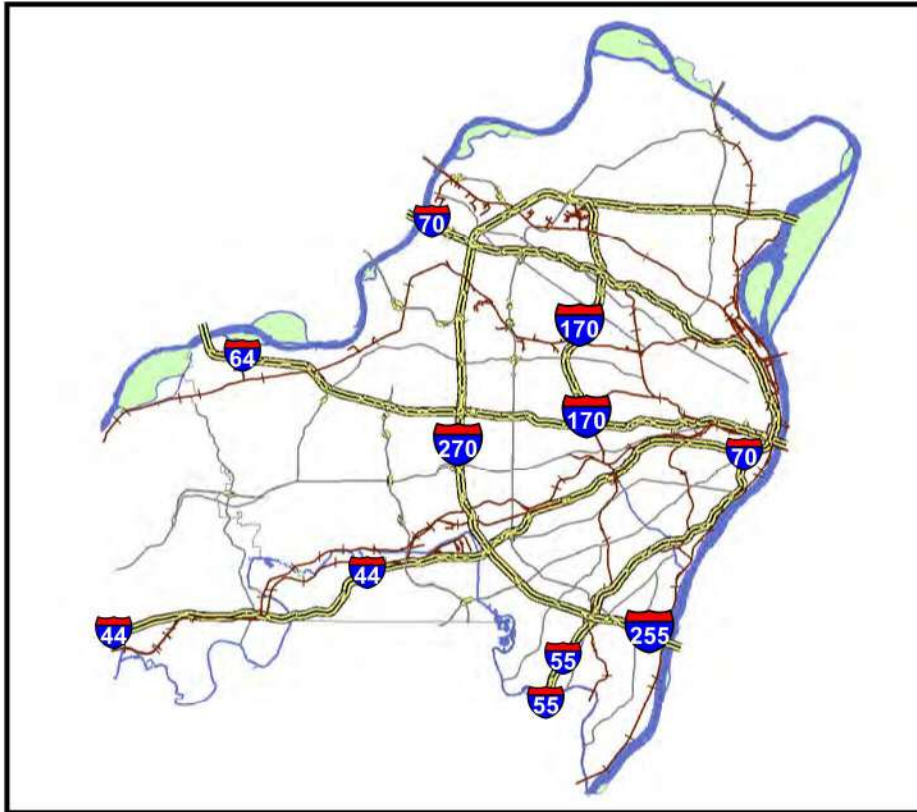
PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES. A PORTION OF CONTRACT MAY BE FUNDED OUT OF FUND 5120 FOR STORMWATER SERVICES.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Asset Management



# GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT C



**FISCAL YEAR:** 2022

**PROJECT NO:** 13110

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - (Survey) CIRP  
Funds

## Description of Problem/Issue

SURVEY NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL SURVEY STAFF.

**BUDGET:**  
\$50,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN SURVEY FIRM FOR AS NEEDED SURVEY SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

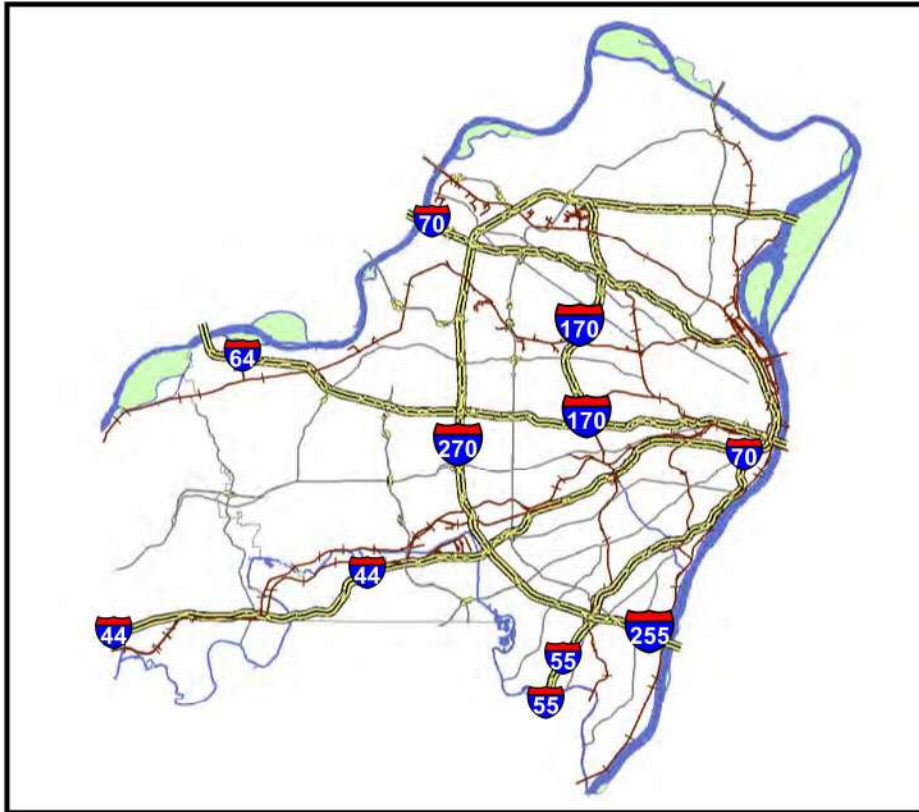
## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES. A PORTION OF CONTRACT MAY BE FUNDED OUT OF FUND 5120 FOR STORMWATER SERVICES.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Asset Management

# GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT D



**FISCAL YEAR:** 2022

**PROJECT NO:** 13111

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - (Survey) CIRP  
Funds

## Description of Problem/Issue

SURVEY NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL SURVEY STAFF.

**BUDGET:**  
\$50,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN SURVEY FIRM FOR AS NEEDED SURVEY SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

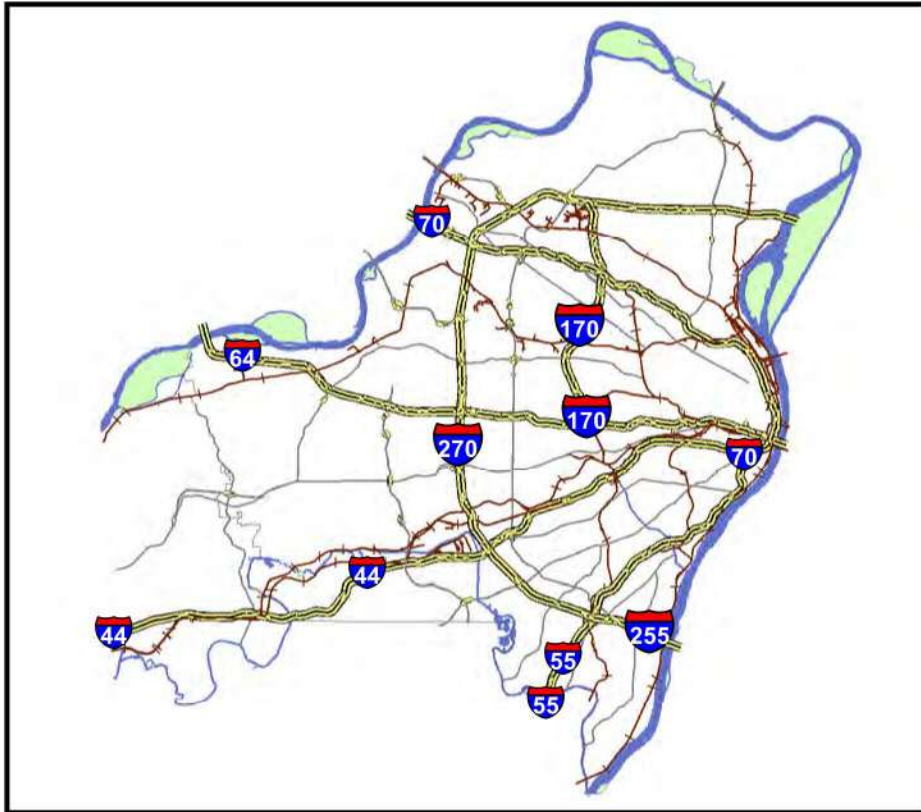
## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES. A PORTION OF CONTRACT MAY BE FUNDED OUT OF FUND 5120 FOR STORMWATER SERVICES.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Asset Management

# GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT E



**FISCAL YEAR:** 2022

**PROJECT NO:** 13112

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
GSA - (Survey) CIRP  
Funds

## Description of Problem/Issue

SURVEY NEEDS TO SUPPORT CAPITAL PROJECTS THROUGHOUT THE DISTRICT EXCEED THE CAPACITY OF INTERNAL SURVEY STAFF.

**BUDGET:**  
\$50,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

RETAIN SURVEY FIRM FOR AS NEEDED SURVEY SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES. A PORTION OF CONTRACT MAY BE FUNDED OUT OF FUND 5120 FOR STORMWATER SERVICES.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Asset Management



# HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE I



**FISCAL YEAR:** 2022

**PROJECT NO:** 12334

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services  
(Supplemental  
Appropriation)

**BUDGET:**  
\$200,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Lema/RDP

**WATERSHED:**  
Deer Creek

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

OVERCHARGED SEWERS. ELIMINATION OF CONSTRUCTED SSO  
OUTFALL REQUIRED.

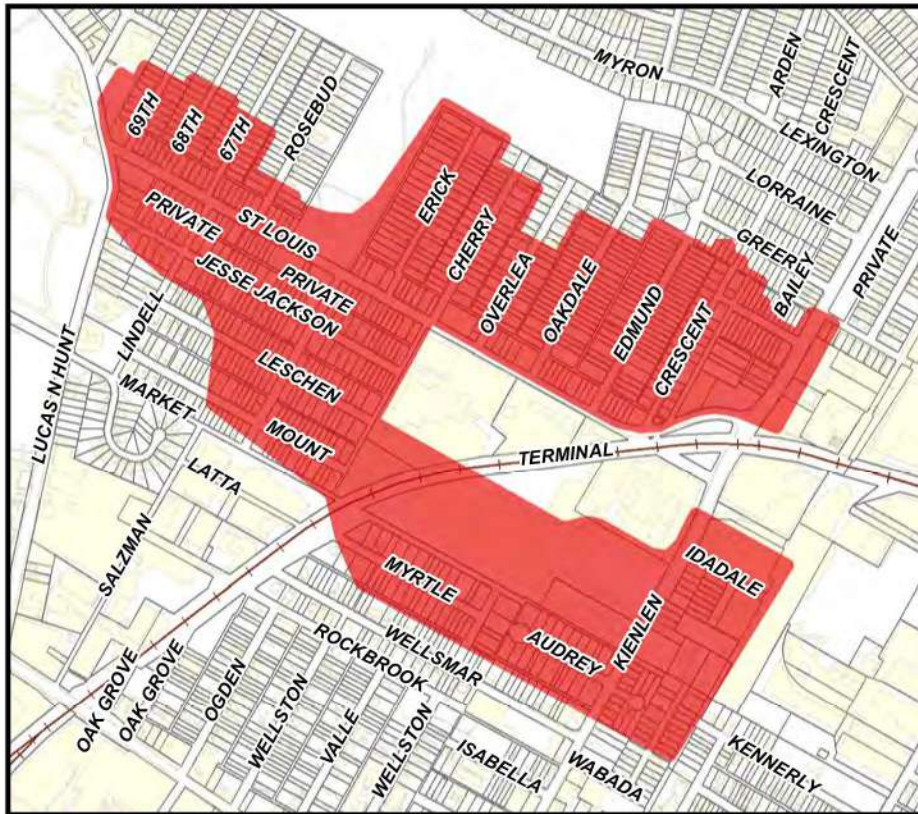
## Scope of Project

CONSTRUCT 7,500 FEET OF 12-INCH TO 72-INCH SANITARY SEWER.

## Comments/Remarks



# HARLEM - BADEN RELIEF PHASE IV (HEBERT) BUILDING DEMOLITION AND DESIGN



**FISCAL YEAR:** 2022

**PROJECT NO:** 10641

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Engineering During  
Construction Services

## Description of Problem/Issue

STREET FLOODING AND BUILDING BACKUPS DUE TO OVERCHARGED COMBINED SEWERS.

**BUDGET:**  
\$600,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT STORMWATER DETENTION BASIN AND COLLECTION SYSTEM TO ENABLE THE REMOVAL OF STORMWATER FLOWS FROM THE OVERCHARGED COMBINED SEWER SYSTEM.

**MUNICIPALITY:**  
St. Louis City

**MAJOR SERVICE AREA:**  
Bissell

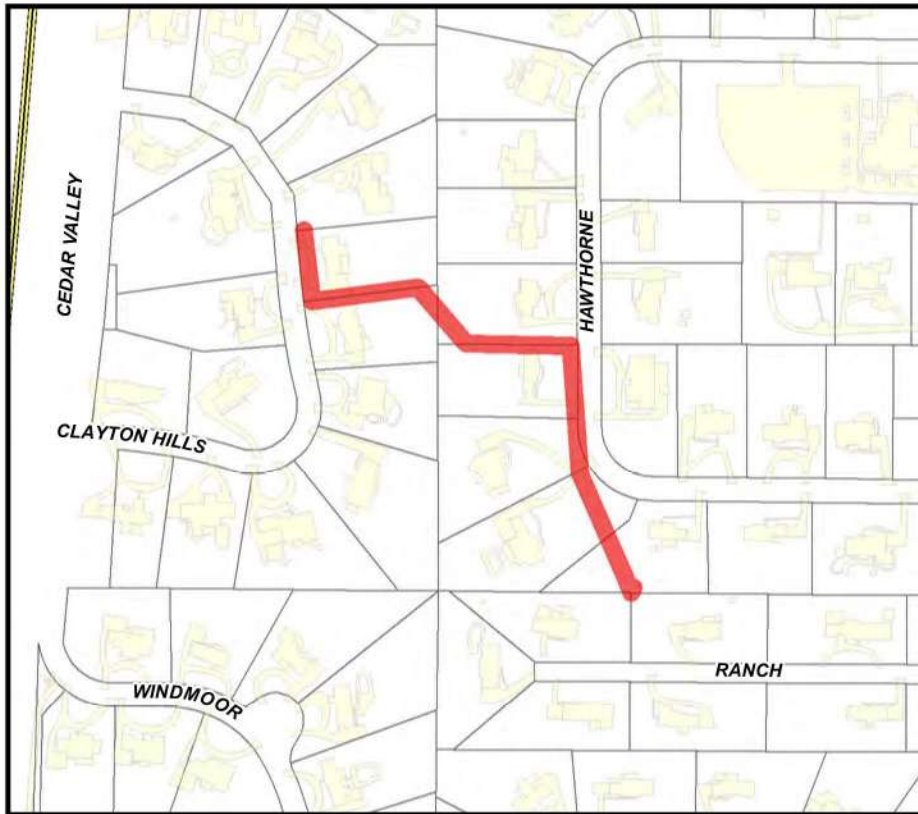
## Comments/Remarks

SUPPLEMENTAL APPROPRIATION TO THE DESIGN CONTRACT FOR CONSTRUCTION PHASE SERVICES, AND DESIGN UPDATES DUE TO CONSTRUCTION ISSUES.

**WATERSHED:**  
Harlem

**EXPENSE TYPE:**  
Capital

# HAWTHORNE ESTATES SANITARY RELIEF (RANCH LN TO CLAYTON HILLS LN)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12299

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$319,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 1,870 FEET OF 12-INCH SANITARY SEWER.

## MUNICIPALITY:

Town and Country

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

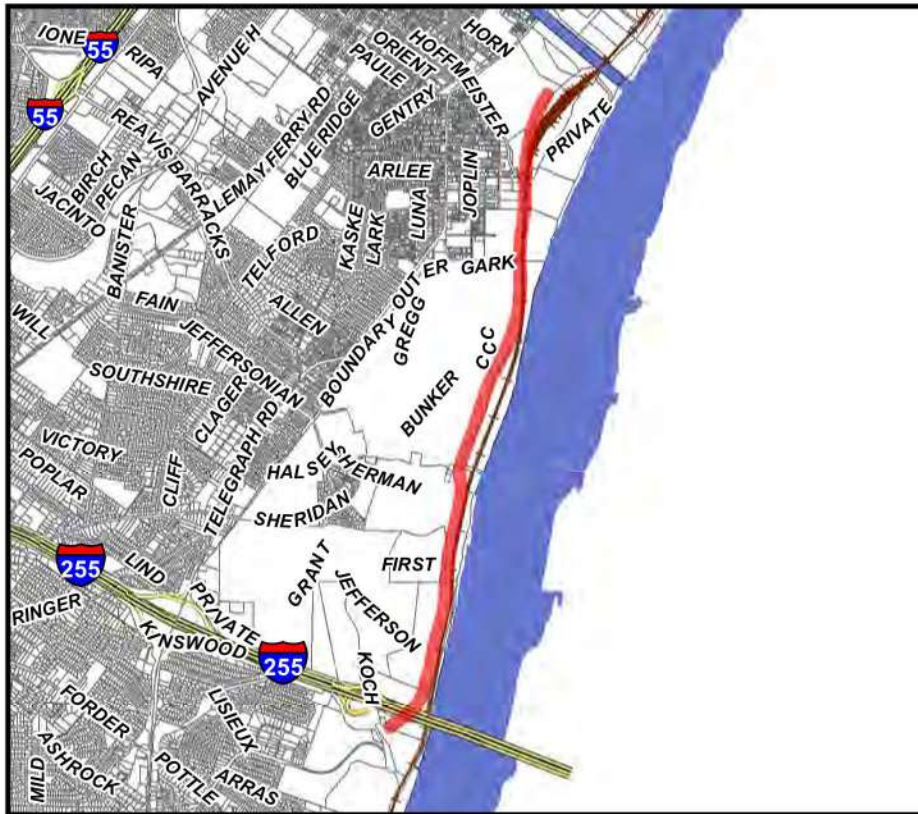
Deer Creek

## EXPENSE TYPE:

Capital



# JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)



**FISCAL YEAR:** 2022

**PROJECT NO:** 11711

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Engineering During Construction Services

## Description of Problem/Issue

EXISTING COLLECTION SYSTEM IS UNDERSIZED FOR CURRENT CONDITIONS. PORTIONS OF THE SYSTEM ARE VULNERABLE TO DAMAGE IN HIGH RIVER CONDITIONS.

**BUDGET:**

\$400,000

**FUND:**

6660 - Sanitary Replacement Fund

## Scope of Project

CONSTRUCT 17,000 FEET OF 7 FOOT DIAMETER DEEP TUNNEL, ELIMINATING THE MARTIGNEY (P-306) AND JEFFERSON BARRACKS (P-305) PUMP STATIONS.

**MUNICIPALITY:**

Unincorporated

**MAJOR SERVICE AREA:**

Lemay/RDP

## Comments/Remarks

PROJECT TO RECEIVE PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 21 AND FY 22. TOTAL CONSTRUCTION BUDGET IS \$155,000,000.

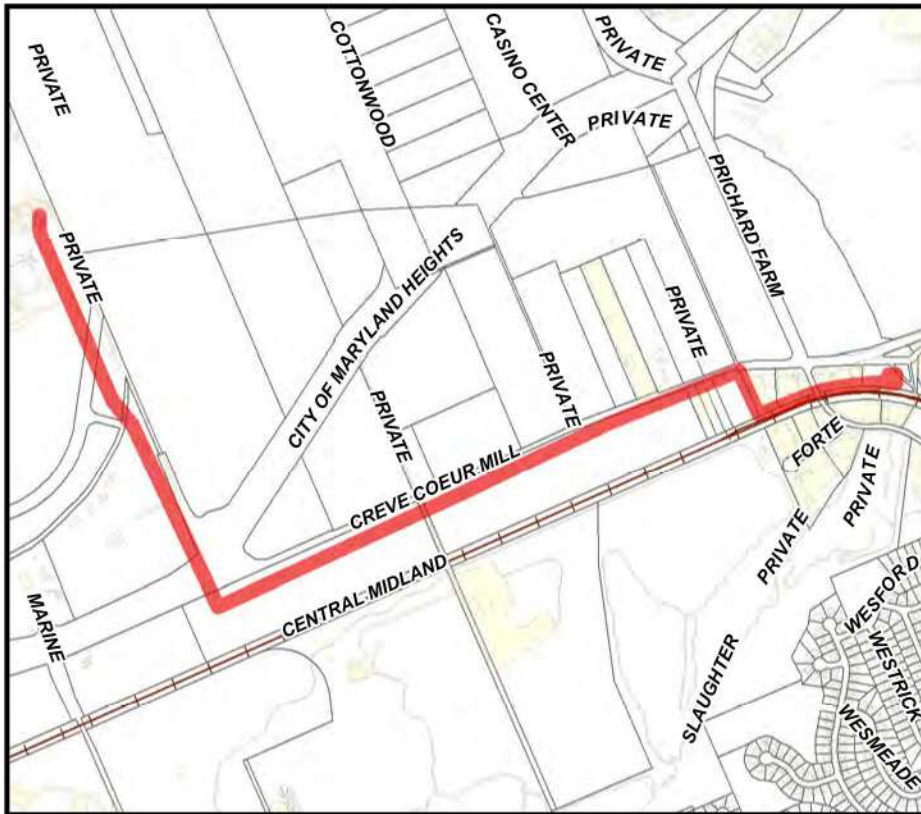
**WATERSHED:**

Martigney Creek

**EXPENSE TYPE:**

Capital

# L51 PUMP STATION FORCEMAIN IMPROVEMENTS



**FISCAL YEAR:** 2022

**PROJECT NO:** 13227

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

EXISTING FORCEMAIN FROM THE L51 PUMP STATION TO THE MISSOURI RIVER WWTF IS NEARING THE END OF ITS USEFUL LIFE.

## BUDGET:

\$1,161,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 8,800 FEET OF 36-INCH REPLACEMENT FORCEMAIN.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Missouri

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING/SUPPLEMENTAL APPROPRIATION IN FY 25. TOTAL CONSTRUCTION BUDGET IS \$6,871,000.

## WATERSHED:

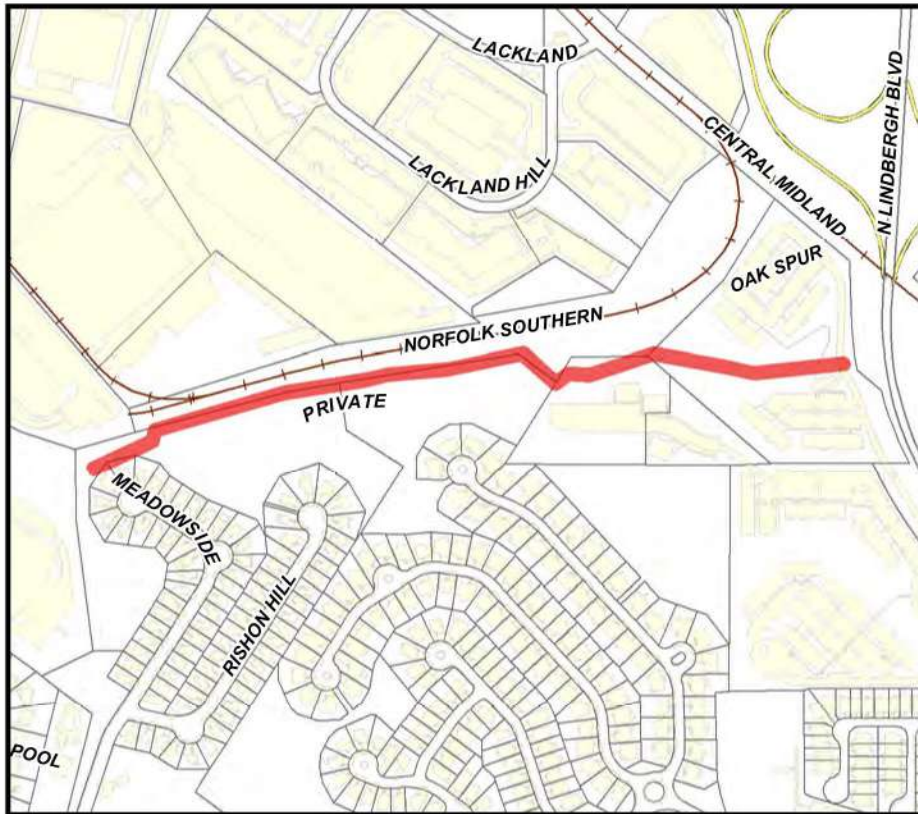
Various

## EXPENSE TYPE:

Capital



# LINDBERGH SANITARY RELIEF (MEADOWSIDE DR TO N LINDBERGH BLVD)



**FISCAL YEAR:** 2022

**PROJECT NO:** 11943

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

SANITARY SEWER IS EXPOSED AT CREEK CROSSINGS, INADEQUATE CAPACITY, AND SEWER BACKUPS.

## BUDGET:

\$401,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 2,760 FEET OF 12-INCH TO 18-INCH SANITARY SEWER.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Missouri

## Comments/Remarks

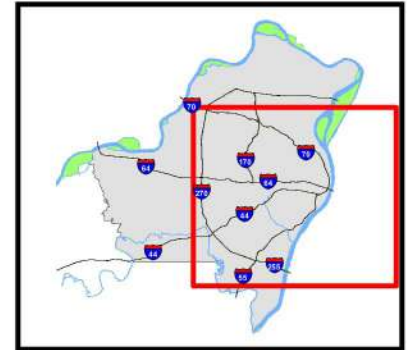
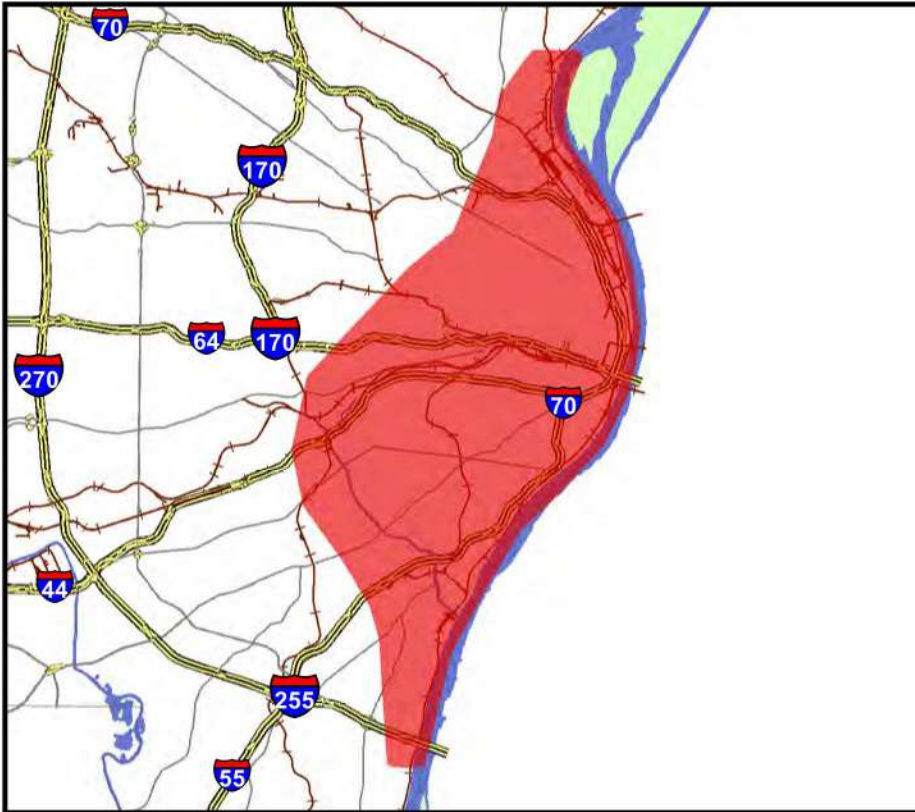
## WATERSHED:

Fee Fee Creek

## EXPENSE TYPE:

Capital

# LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)



**FISCAL YEAR:** 2022

**PROJECT NO:** 11109

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Professional Services

## Description of Problem/Issue

MITIGATION OF CSO FLOWS INTO THE RIVER DES PERES IS REQUIRED BY CONSENT DECREE, NECESSITATING CONSTRUCTION OF A DEEP STORAGE TUNNEL SYSTEM.

**BUDGET:**

\$150,000

**FUND:**

1101 - General Fund

## Scope of Project

DESIGN OF 47,400 FEET OF CSO STORAGE TUNNEL, CONSOLIDATION SEWERS, AND DEWATERING PUMP STATIONS. THIS PROJECT ALSO INCLUDES MANAGEMENT SERVICES, FIELD INVESTIGATIONS AND PRELIMINARY STUDIES.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Lemay/RDP

## Comments/Remarks

SUPPLEMENTAL APPROPRIATION FOR ONGOING SERVICES. MAY INCLUDE CAPITAL AND NON-CAPITAL SERVICES.

**WATERSHED:**

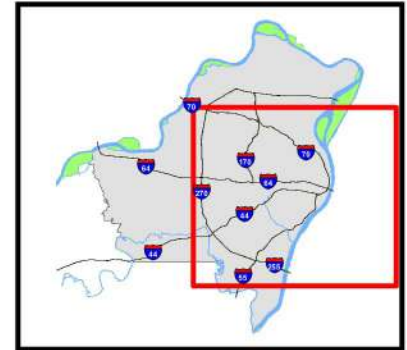
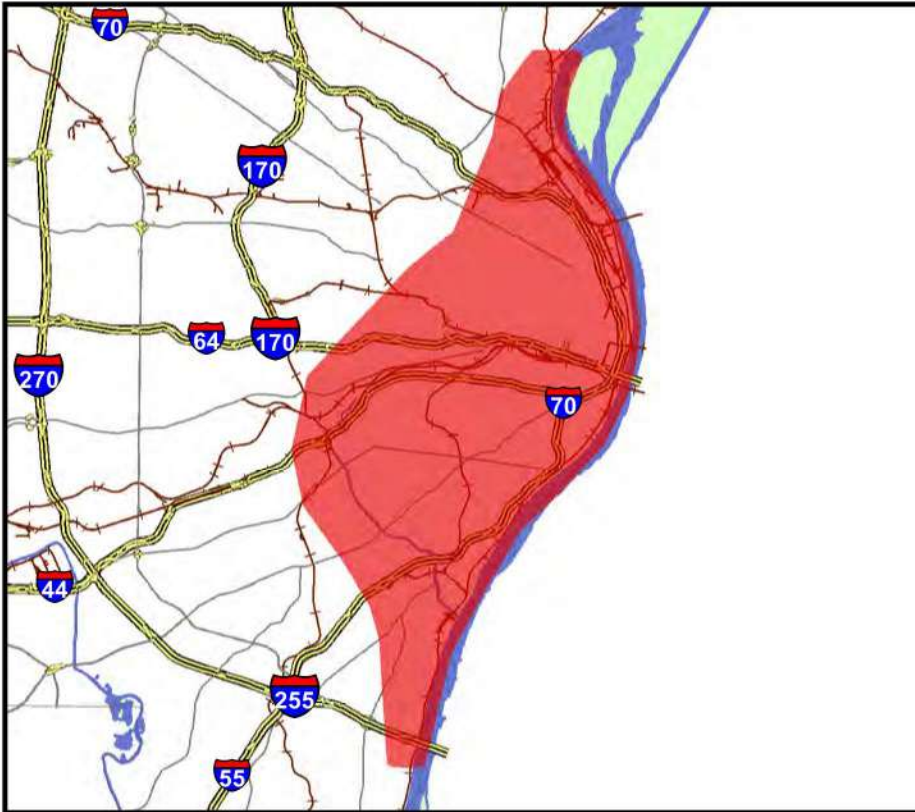
Various

**EXPENSE TYPE:**

Asset Management



# LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)



**FISCAL YEAR:** 2022

**PROJECT NO:** 11109

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Professional Services

## Description of Problem/Issue

MITIGATION OF CSO FLOWS INTO THE RIVER DES PERES IS REQUIRED BY CONSENT DECREE, NECESSITATING CONSTRUCTION OF A DEEP STORAGE TUNNEL SYSTEM.

## BUDGET:

\$270,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

DESIGN OF 47,400 FEET OF CSO STORAGE TUNNEL, CONSOLIDATION SEWERS, AND DEWATERING PUMP STATIONS. THIS PROJECT ALSO INCLUDES MANAGEMENT SERVICES, FIELD INVESTIGATIONS AND PRELIMINARY STUDIES.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

SUPPLEMENTAL APPROPRIATION FOR ONGOING SERVICES. MAY INCLUDE CAPITAL AND NON-CAPITAL SERVICES.

## WATERSHED:

Various

## EXPENSE TYPE:

Asset Management

# LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL

**FISCAL YEAR: 2022**

**PROJECT NO: 11746**

**PROJECT TYPE:**

Wastewater

**TASK NO:**

11

**TASK NAME:**

## Engineering During Construction Services

### Description of Problem/Issue

THE FENTON WWTF IS AN INTERIM FACILITY AND IT'S ELIMINATION IS PART OF THE EAST WEST GATEWAY SECTION 208 REGIONAL WATER QUALITY MANAGEMENT PLAN.

## Scope of Project

CONSTRUCT 36,000 FEET OF 8-FOOT DIAMETER DEEP TUNNEL TO CONVEY WASTEWATER FROM THE FENTON WWTF TO THE BAUMGARTNER TUNNEL, TO ENABLE TREATMENT OF FLOWS AT THE LOWER MERAMEC WWTF.

### Comments/Remarks

PROJECT ELIMINATES PUMP STATIONS P-446 AND P-483. P-489 TO BE ELIMINATED BY SEPARATE PROJECT #10869. TOTAL CONSTRUCTION BUDGET IS \$180,000,000.

**BUDGET:**

\$650,000

**FUND:**

6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Meramec

**WATERSHED:**

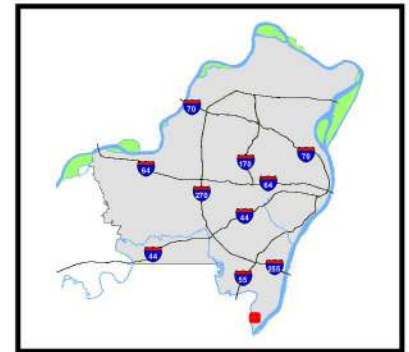
## Meramec Tributary Areas

**EXPENSE TYPE:**

## Capital



# LOWER MERAMEC WWTF EXPANSION PHASE II



**FISCAL YEAR:** 2022

**PROJECT NO:** 12255

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services  
(Supplemental  
Appropriation)

**BUDGET:**  
\$1,000,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Unincorporated

**MAJOR SERVICE AREA:**  
Meramec

**WATERSHED:**  
Mississippi River Tributary Areas

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

ADDITIONAL FLOW TO THE LOWER MERAMEC WWTF DUE TO ELIMINATION OF THE FENTON WWTF, AND POTENTIAL FUTURE NUTRIENT REMOVAL PERMIT REQUIREMENTS.

## Scope of Project

EXPAND THE EXISTING WWTF TO INCREASE CAPACITY FOR ADDITIONAL FLOW, AND UPGRADE THE FACILITY TO ENABLE ACCOMMODATION OF POTENTIAL NUTRIENT REMOVAL REQUIREMENTS.

## Comments/Remarks

TOTAL CONSTRUCTION BUDGET IS \$89,500,000. ASSET RENEWAL OF DETERIORATING ITEMS AT THE PLANT, BUDGETED AT \$27,700,000, WILL ALSO BE BID WITH 12255.

# LOWER MERAMEC WWTF EXPANSION PHASE II



**FISCAL YEAR:** 2022

**PROJECT NO:** 12255

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
14

**TASK NAME:**  
Construction  
Management Services  
During Construction

**BUDGET:**  
\$2,000,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Unincorporated

**MAJOR SERVICE AREA:**  
Meramec

**WATERSHED:**  
Mississippi River Tributary Areas

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

ADDITIONAL FLOW TO THE LOWER MERAMEC WWTF DUE TO ELIMINATION OF THE FENTON WWTF, AND POTENTIAL FUTURE NUTRIENT REMOVAL PERMIT REQUIREMENTS.

## Scope of Project

EXPAND THE EXISTING WWTF TO INCREASE CAPACITY FOR ADDITIONAL FLOW, AND UPGRADE THE FACILITY TO ENABLE ACCOMMODATION OF POTENTIAL NUTRIENT REMOVAL REQUIREMENTS.

## Comments/Remarks

TOTAL CONSTRUCTION BUDGET IS \$89,500,000. ASSET RENEWAL OF DETERIORATING ITEMS AT THE PLANT, BUDGETED AT \$27,700,000, WILL ALSO BE BID WITH 12255.

# MCCUTCHEON RD AND THORNDALL SANITARY RELIEF



**FISCAL YEAR:** 2022

**PROJECT NO:** 12346

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$405,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 1,275 FEET OF 12-INCH TO 15-INCH SANITARY SEWER.

## MUNICIPALITY:

Richmond Heights

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

Deer Creek

## EXPENSE TYPE:

Capital



# MULBERRY CREEK SANITARY RELIEF (HARWICH DR TO S LINDBERGH BLVD)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12355

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$531,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 4,300 FEET OF 15-INCH TO 18-INCH SANITARY SEWER.

## MUNICIPALITY:

Crestwood

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

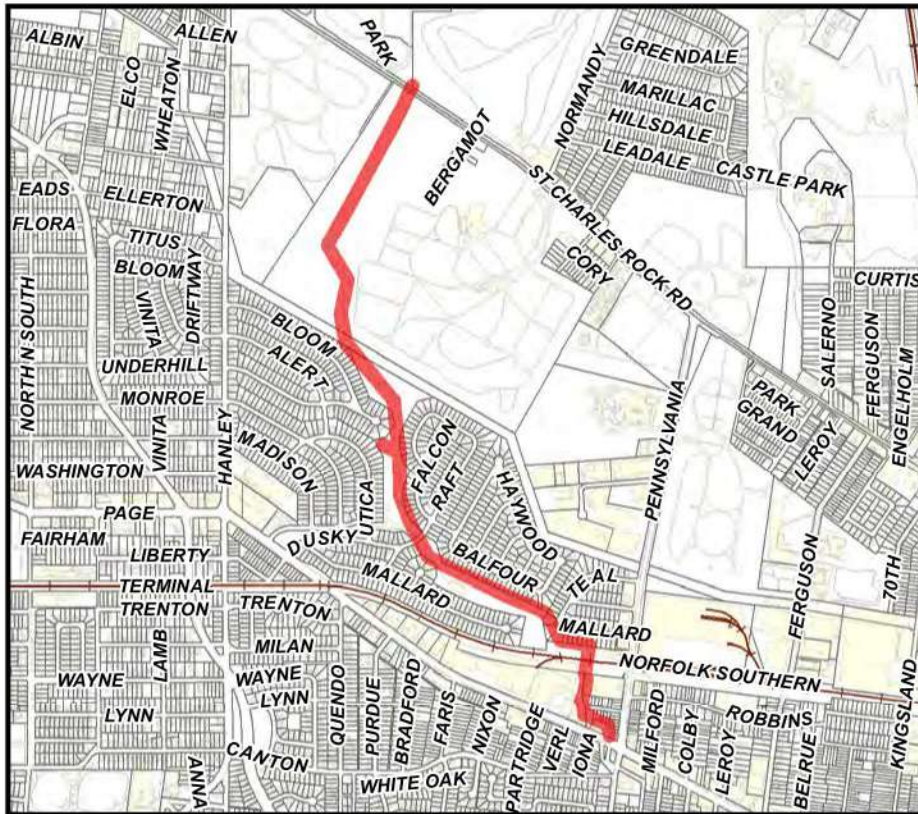
Gravois Creek

## EXPENSE TYPE:

Capital



# NORMANDIE SANITARY RELIEF (PAGE AVE TO SAINT CHARLES ROCK ROAD)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12360

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.  
CONSTRUCTED SSO OUTFALLS BP-454 AND BP-457 REQUIRE REMOVAL.

## BUDGET:

\$1,661,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 8,930 FEET OF 24-INCH TO 42-INCH SANITARY SEWER.  
ELIMINATE CONSTRUCTED SSO OUTFALLS BP-454 AND BP-457.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING/SUPPLEMENTAL  
APPROPRIATION IN FY25. TOTAL CONSTRUCTION BUDGET IS \$9,059,000.

## WATERSHED:

University City Branch

## EXPENSE TYPE:

Capital

# PUMP STATION REPLACEMENT PROJECTS (PHASE I)



**FISCAL YEAR:** 2022

**PROJECT NO:** 11701

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Engineering During  
Construction Services

## Description of Problem/Issue

DETERIORATING PUMP STATIONS THROUGHOUT THE DISTRICT  
REQUIRE REPLACEMENT/REHABILITATION.

**BUDGET:**  
\$150,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

DESIGN REPLACEMENT OF PUMP STATIONS P-702 (EARTH CITY) AND  
P-708 (EXPRESSWAY).

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Missouri

## Comments/Remarks

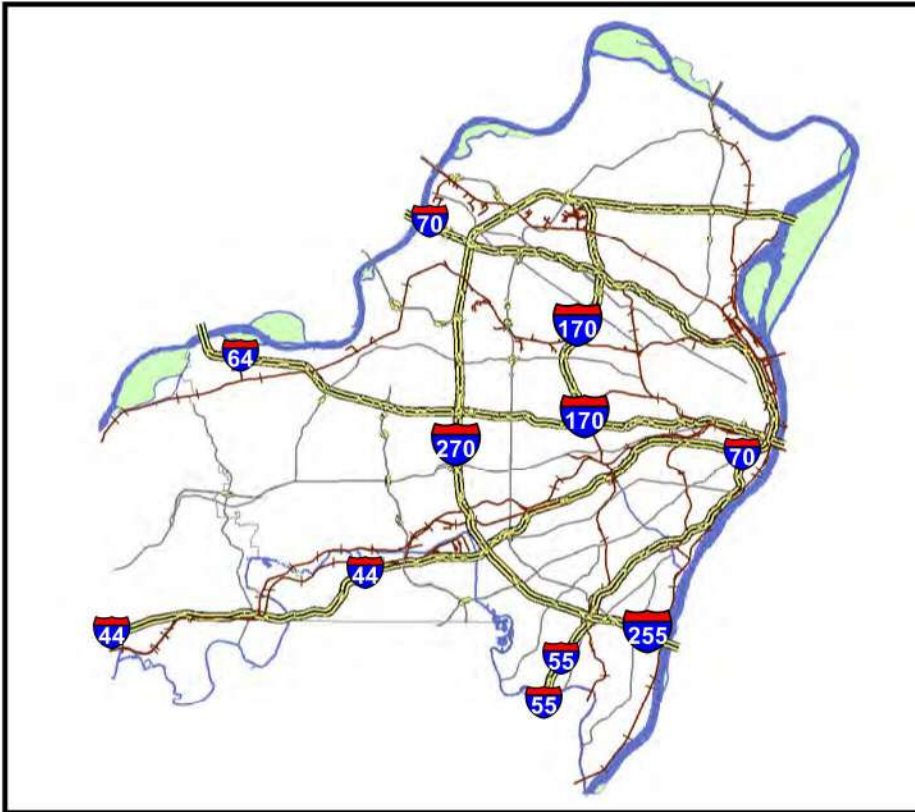
PROJECT INCLUDED DESIGN OF REPLACEMENT FOR PUMP STATIONS  
P-702 AND P-708. PUMP STATION P-708 TO BE CONSTRUCTED UNDER  
PROJECT NUMBER 12153.

**WATERSHED:**  
Missouri River Tributary Areas

**EXPENSE TYPE:**  
Capital



# RADAR RAINFALL DATA (2020)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12006

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Vendor Services

## Description of Problem/Issue

PIPE FLOWS FROM INFLOW AND INFILTRATION DUE TO RAIN EVENTS ARE NEEDED TO PROPERLY CALIBRATE HYDRAULIC SYSTEM MODELS.

**BUDGET:**

\$150,000

**FUND:**

1101 - General Fund

## Scope of Project

INTEGRATE EXISTING RAIN GAUGE NETWORK WITH RADAR IMAGING, FOR USE IN CONJUNCTION WITH FLOW METERING, INFLOW/INFILTRATION STUDIES, AND HYDRAULIC MODEL CALIBRATIONS. SERVICES MAY BE RENEWED THROUGH FY2024 BASED ON PERFORMANCE.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

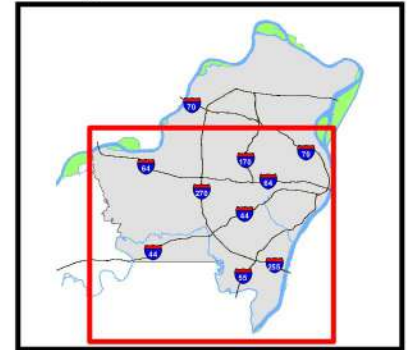
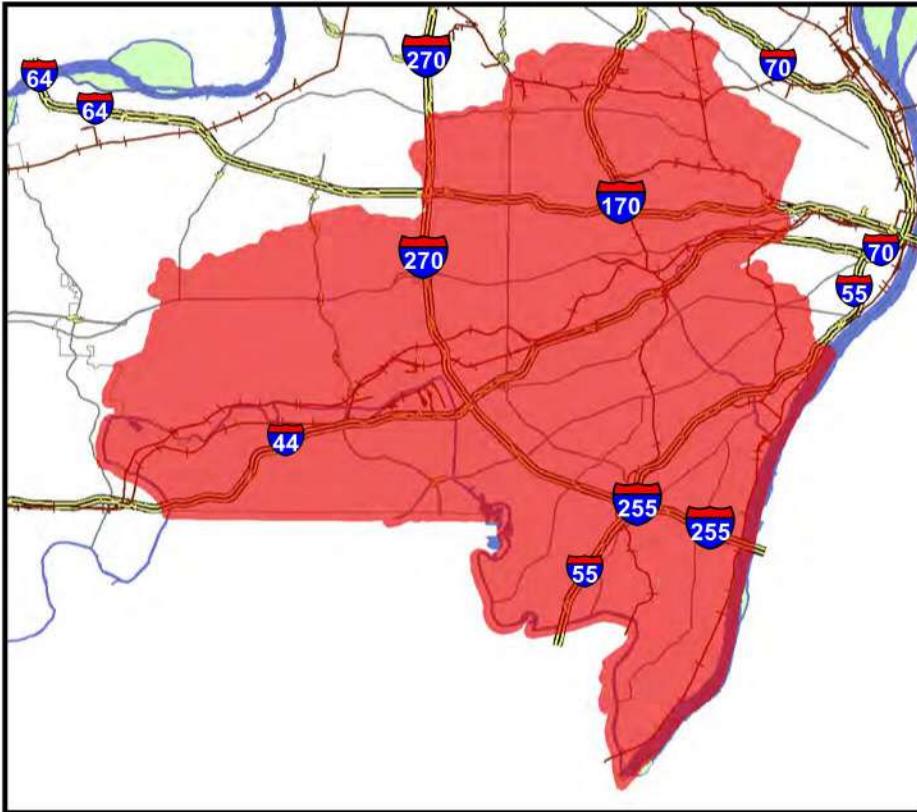
**WATERSHED:**

Various

**EXPENSE TYPE:**

Asset Management

# RDP TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)



**FISCAL YEAR:** 2022

**PROJECT NO:** 11153

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Professional Services

## Description of Problem/Issue

MAJOR WASTEWATER SYSTEM CONTROLS ARE REQUIRED TO OBTAIN  
CONSENT DECREE COMPLIANCE.

## BUDGET:

\$600,000

## FUND:

1101 - General Fund

## Scope of Project

PERFORM AS NEEDED PROGRAM MANAGEMENT, PLANNING,  
ANALYSIS, AND DESIGN SERVICES FOR MAJOR WASTEWATER SYSTEM  
CONTROLS TO MEET CONSENT DECREE REQUIREMENTS.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

SUPPLEMENTAL APPROPRIATION FOR ONGOING SERVICES. MAY  
INCLUDE CAPITAL AND NON-CAPITAL SERVICES.

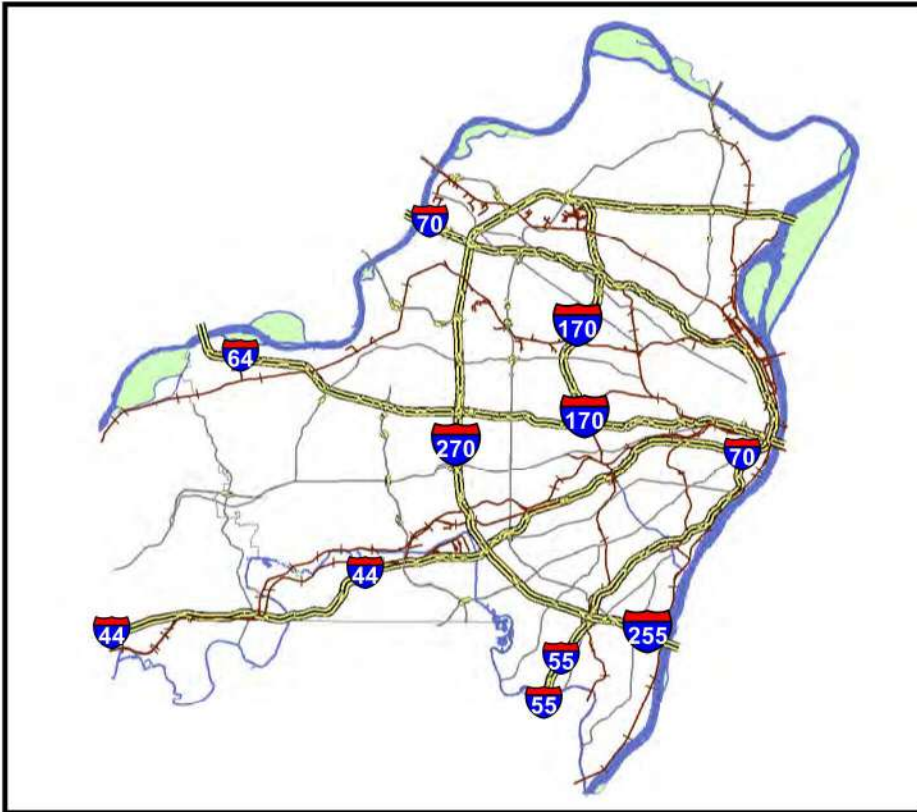
## WATERSHED:

Various

## EXPENSE TYPE:

Asset Management

# SCADA SYSTEM UPGRADE



**FISCAL YEAR:** 2022

**PROJECT NO:** 13467

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services  
(Supplemental  
Appropriation)

**BUDGET:**  
\$1,000,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

MONITORING AND AUTOMATION CAPABILITIES NEEDED TO OPTIMIZE THE USE OF AVAILABLE INFRASTRUCTURE, AND INCREASE LEVEL OF SERVICE.

## Scope of Project

CONSTRUCT SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) IMPROVEMENTS TO ALLOW FOR ACTIVE CONTROLS TO MANAGE WET WEATHER FLOWS.

## Comments/Remarks



# SMITH CREEK LADUE ROAD SANITARY RELIEF (ROYAL MANOR DR TO HEWLETT CT)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12202

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SEWERS.

## BUDGET:

\$518,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 5,180 FEET OF 8-INCH TO 15-INCH SANITARY SEWER.

## MUNICIPALITY:

Creve Coeur

## MAJOR SERVICE AREA:

Missouri

## Comments/Remarks

## WATERSHED:

Creve Coeur Creek

## EXPENSE TYPE:

Capital

# SPIRIT 2 FORCEMAIN IMPROVEMENTS (P-736 TO P-750)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12628

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services  
(Supplemental  
Appropriation)

**BUDGET:**  
\$220,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Chesterfield

**MAJOR SERVICE AREA:**  
Missouri

**WATERSHED:**  
Missouri River Tributary Areas

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

CORROSION AND DETERIORATION OF EXISTING FORCEMAIN.

## Scope of Project

CONSTRUCT 15,600 FEET OF 2-INCH TO 16-INCH FORCEMAIN.

## Comments/Remarks

PROJECT TO INCLUDE ABANDONMENT OF UNUSED PORTIONS OF THE CAULKS CREEK FORCEMAIN.

# SPOEDE ROAD SANITARY SEWER IMPROVEMENTS



**FISCAL YEAR:** 2022

**PROJECT NO:** 13623

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

BUILDING BACKUPS.

## BUDGET:

\$120,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 750 FEET OF 12-INCH SANITARY SEWER.

## MUNICIPALITY:

Creve Coeur

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

Deer Creek

## EXPENSE TYPE:

Capital



[illegible]

**TASK NAME:**  
Design Services

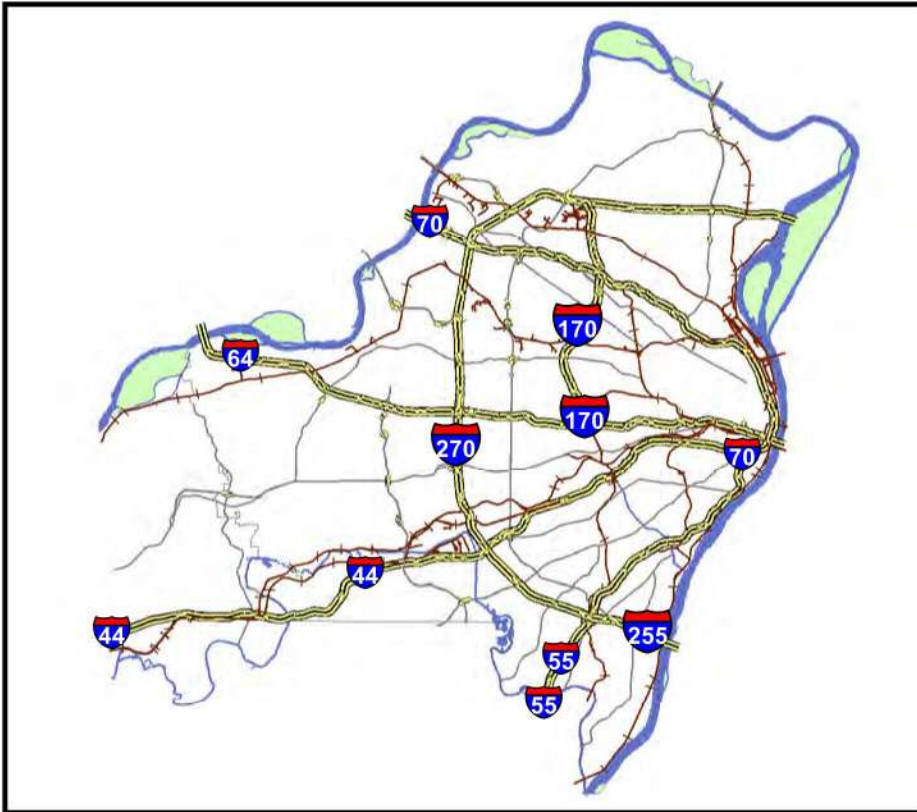
OVERCHARGED SANITARY SEWERS.

CONSTRUCT 3,600 FEET OF 18-INCH TO 24-INCH SANITARY SEWER.

PROJECT INCLUDES THE SCOPE OF WORK FROM PROJECT 12216, ST. JOACHIM'S SANITARY RELIEF (ST. GENEVIEVE LN TO ST. MARMARY DR)

**EXPENSE TYPE:**  
Capital

# ST. LOUIS COMBINED SEWER OVERFLOWS PROGRAM - CORPS OF ENGINEERS - PHASE II



**FISCAL YEAR:** 2022

**PROJECT NO:** 13608

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
16

**TASK NAME:**  
Professional Services

## Description of Problem/Issue

CORPS OF ENGINEERS EVALUATIONS ARE NEEDED FOR FUTURE  
FEDERAL CONSTRUCTION PROJECTS IN THE COMBINED SEWER AREA.

**BUDGET:**  
\$10,000

**FUND:**  
1101 - General Fund

## Scope of Project

IMPLEMENT PROJECTS TO REDUCE OR CONTROL COMBINED SEWER  
OVERFLOWS IN THE COMBINED SEWER AREA.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

## Comments/Remarks

FUNDS WILL BE USED TO PROVIDE TO THE CORPS THE 25% LOCAL  
MATCH REQUIRED UNDER THIS FEDERAL PROGRAM. ORIGINAL  
PROJECT NUMBER WAS 11608/2001141.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Non-recurring



# ST. MATTHIAS SANITARY RELIEF (ST. SHAWN LN TO STONEHARD DR)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12217

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$306,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 2,154 FEET OF 30-INCH SANITARY SEWER.

## MUNICIPALITY:

St. Ann

## MAJOR SERVICE AREA:

Coldwater

## Comments/Remarks

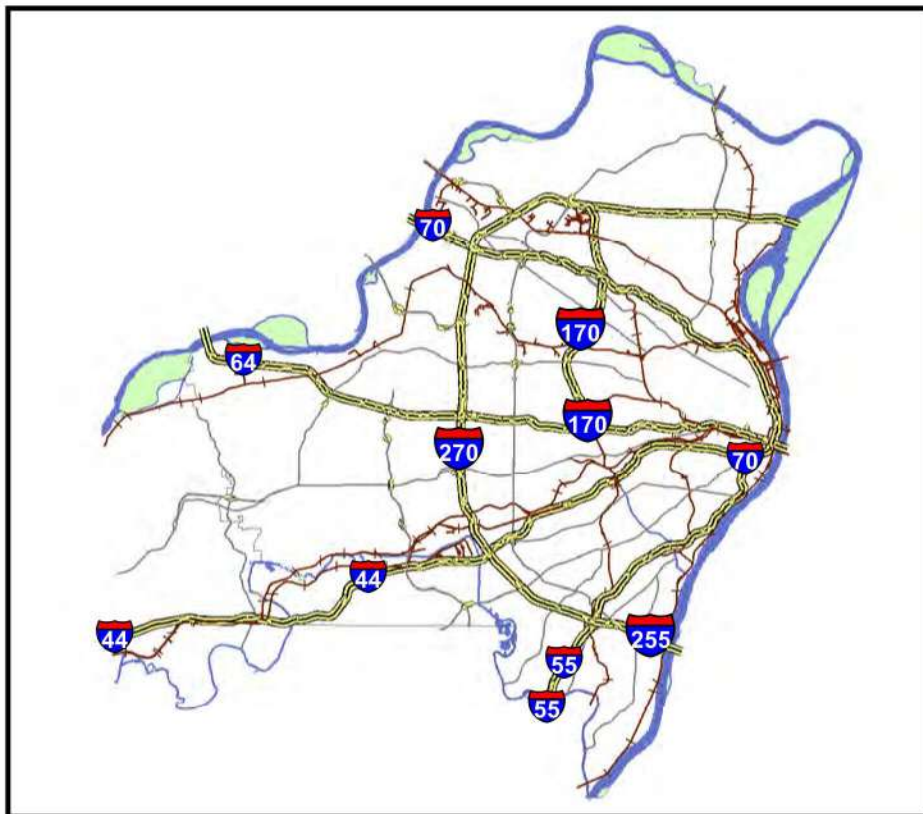
## WATERSHED:

Coldwater Creek

## EXPENSE TYPE:

Capital

# STREAM FLOW GAUGE OPERATION AND MAINTENANCE (USGS)



**FISCAL YEAR:** 2022

**PROJECT NO:** 10766

**PROJECT TYPE:**  
Unallocated

**TASK NO:**  
16

**TASK NAME:**  
Vendor Services

## Description of Problem/Issue

DATA IS REQUIRED TO DETERMINE URBAN RAINFALL/RUNOFF RESPONSE OF WATERSHEDS AND IS UTILIZED FOR WATER QUANTITY AND QUALITY EVALUATION OF STREAMS.

## BUDGET:

\$540,000

## FUND:

1101 - General Fund

## Scope of Project

CONTINUE THE STREAM GAUGE DATA COLLECTION PROGRAM IN CONJUNCTION WITH WASTEWATER AND STORMWATER PLANNING AND DESIGN EFFORTS, AND TO SUPPORT REPORTING WHICH IS REQUIRED PURSUANT TO THE CONSENT DECREE.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

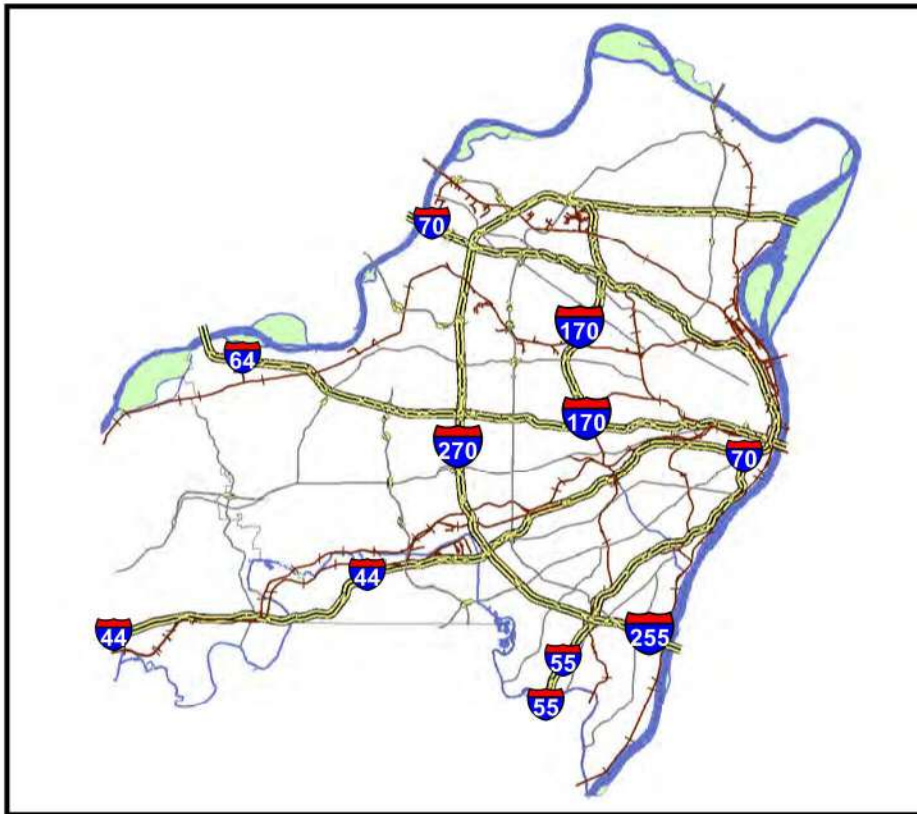
## WATERSHED:

Various

## EXPENSE TYPE:

Asset Management

# STREAM FLOW WATER QUALITY SAMPLING (2020)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12004

**PROJECT TYPE:**  
Unallocated

**TASK NO:**  
16

**TASK NAME:**  
Vendor Services

## Description of Problem/Issue

STREAM SAMPLING IS REQUIRED TO DOCUMENT WATER QUALITY CHANGES FROM IMPLEMENTATION OF THE CSO LTCP, SSO ELIMINATIONS, & STORMWATER MANAGEMENT PROGRAMS.

**BUDGET:**

\$270,000

**FUND:**

1101 - General Fund

## Scope of Project

PERFORM SAMPLING AND ANALYSIS OF STREAM WATER QUALITY WITHIN MSD'S SERVICE AREA. SERVICES MAY BE RENEWED THROUGH FY2022 BASED ON PERFORMANCE.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

**WATERSHED:**

Various

**EXPENSE TYPE:**

Asset Management



# UPPER FISHPOT EAST SANITARY RELIEF (FIELD AVE TO WOLFF LN)

**FISCAL YEAR: 2022****PROJECT NO: 12242**

**PROJECT TYPE:**

## Wastewater

**TASK NO:**

11

**TASK NAME:**

## Design Services

### Description of Problem/Issue

## BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS

**BUDGET:**

\$404,000

**FUND:**

6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**

Ellisville

**MAJOR SERVICE AREA:**

Meramec

**WATERSHED:**

Fishpot Creek

**EXPENSE TYPE:**

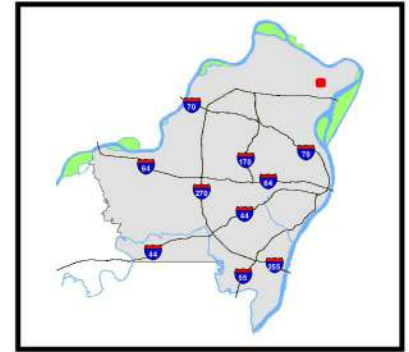
## Capital

## Scope of Project

**CONSTRUCT 3,225 FEET OF 15-INCH SANITARY SEWER AND 256 FEET OF 12-INCH TO 54-INCH STORM SEWER.**

### Comments/Remarks

# WATKINS-SPANISH SANITARY RELIEF (MALAGA ST TO TRAMPE AVE)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12271

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

OVERCHARGE SANITARY SEWERS.

## BUDGET:

\$363,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 2,400 FEET OF 27-INCH SANITARY SEWER.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

## WATERSHED:

Spanish Lake

## EXPENSE TYPE:

Capital

# WESTWOOD COUNTRY CLUB SANITARY RELIEF (DEER CREEK TO WESTWOOD CT)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12132

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$513,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 4,600 FEET OF 12-INCH TO 18-INCH SANITARY SEWER.

## MUNICIPALITY:

Westwood

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

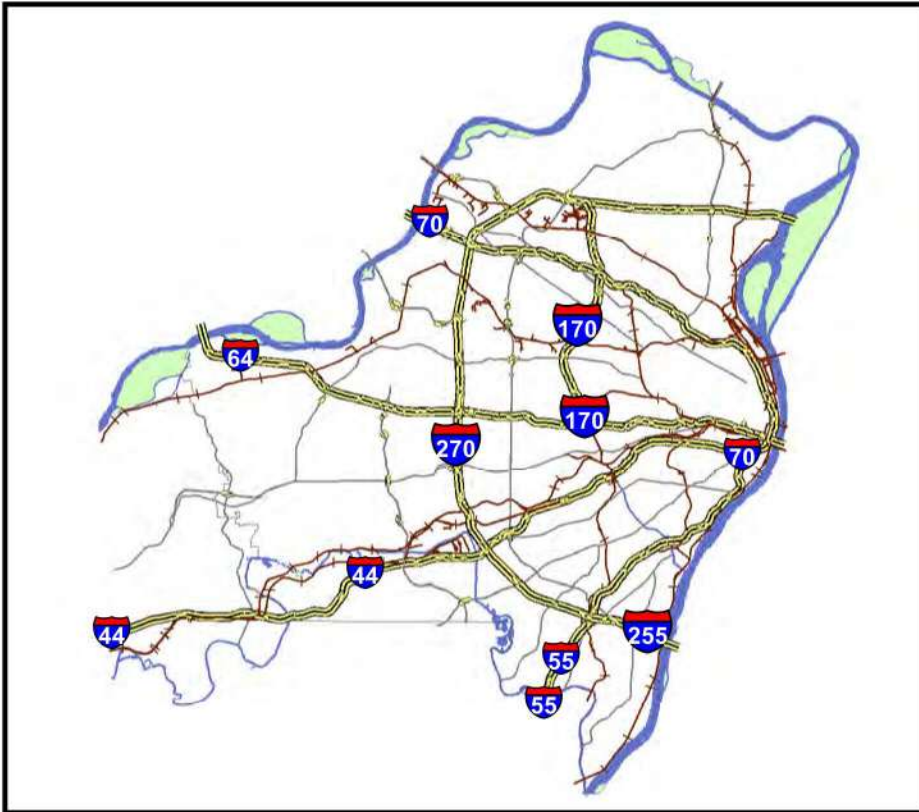
Deer Creek

## EXPENSE TYPE:

Capital



# WET WEATHER OPTIMIZATION STUDY



**FISCAL YEAR:** 2022

**PROJECT NO:** 13436

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Pre-Design Services

## Description of Problem/Issue

ACTIVE CONTROLS ON TUNNELS AND TANKS CAN IMPROVE WATER QUALITY BY INCREASING THE LEVEL OF SERVICE OF EXISTING INFRASTRUCTURE AND PLANNED IMPROVEMENTS.

**BUDGET:**

\$1,500,000

**FUND:**

1101 - General Fund

## Scope of Project

PERFORM WET WEATHER OPTIMIZATION STUDY TO INCREASE THE LEVEL OF SERVICE OF EXISTING AND PLANNED INFRASTRUCTURE. INCLUDES MODELING AND ALTERNATIVES ANALYSIS, AND SUPPORT FOR ESTABLISHING A SENSOR NETWORK AND SCADA FOR ACTIVE CONTROLS.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

**WATERSHED:**

Various

**EXPENSE TYPE:**

Non-recurring

# WOODSON SANITARY RELIEF (FLORA AVE TO LACKLAND RD)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12300

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
11

**TASK NAME:**  
Design Services

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS. CONSTRUCTED SSO OUTFALLS BP-024, BP-533 AND BP-534 REQUIRE REMOVAL.

## BUDGET:

\$391,000

## FUND:

6660 - Sanitary Replacement Fund

## Scope of Project

CONSTRUCT 3,100 FEET OF 12-INCH TO 21-INCH SANITARY SEWER. ELIMINATE CONSTRUCTED SSO OUTFALLS BP-024 AND BP-533

## MUNICIPALITY:

Overland

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

University City Branch

## EXPENSE TYPE:

Capital

**WASTEWATER CONSTRUCTION PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
12847	BADEN CITYSHED MITIGATION BASINS (CALVARY, FREDERIK, PARTRIDGE AND TILLIE) - SEPARATION SEWERS	\$4,000,000	69
12584	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT A	\$4,216,000	70
13031	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT B	\$2,906,000	71
12566	BISSELL POINT WWTF TRICKLING FILTER MEDIA REPLACEMENT	\$11,000,000	72
12110	CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	\$1,084,000	73
12110	CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	\$320,000	74
12753	CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT	\$1,240,000	75
12753	CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT	\$60,000	76
12248	CAULKS CREEK A PUMP STATION (P-750) IMPROVEMENTS	\$5,000,000	77
13568	CLAYTON MERAMEC ELEMENTARY PRIVATE I/I REMOVAL (S. MERAMEC AVE AT WALINCA TER)	\$500,000	78
13446	CLAYTON RD 9925 SANITARY SEWER REPLACEMENT	\$285,000	79
11724	COLDWATER SANITARY RELIEF SECTION B, C & D - SECTION B REHABILITATION	\$1,600,000	80
11146	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE	\$5,000,000	81
13078	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES	\$3,000,000	82
12472	DC-02 & DC-03 SANITARY RELIEF (BRENTWOOD BLVD TO CONWAY RD) PHASE III AND PHASE IV	\$17,500,000	83
12615	DEER CREEK SANITARY TUNNEL (CLAYTON RD TO RDP) - PUMP STATION	\$15,000,000	84
12740	DOLAN PLACE AND GRANDVIEW PLACE COMBINED SEWER RELIEF	\$3,000,000	85

**WASTEWATER CONSTRUCTION PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
12153	EARTH CITY EXPRESSWAY PUMP STATION (P-708) REPLACEMENT	\$1,700,000	86
13599	EARTH CITY UPS PUMP STATION (P-702) REPLACEMENT PHASE II	\$1,500,000	87
12819	EASEMENT ACQUISITION FOR WASTEWATER PROJECTS (2022)	\$3,500,000	88
12166	FENTON CREEK PUMP STATION (P-425) IMPROVEMENTS	\$930,000	89
10012	FF-07 FEE FEE CREEK SANITARY RELIEF (MEADOWSIDE DR TO WILLOW BROOK DR)	\$600,000	90
12173	FISHPOT TRUNK WEST AND ED LOU LANE I/I REDUCTION (SMITH DR AND VLASIS DR)	\$300,000	91
12175	GEYER SANITARY RELIEF AND WINDSOR SPRINGS P-521 STORAGE (BIG BEND BLVD TO WINDSOR SPRINGS DR)	\$5,030,000	92
12272	GRAND GLAIZE TRUNK SANITARY RELIEF (BALLWIN GOLF CLUB TO CLAYMONT COVE CT)	\$740,000	93
13597	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE IB	\$3,000,000	94
12996	INFRASTRUCTURE REPAIRS (FACILITIES) (2022)	\$3,000,000	95
13016	INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT A	\$2,500,000	96
13017	INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT B	\$2,500,000	97
12988	INFRASTRUCTURE REPAIRS (WASTEWATER) (2022)	\$7,000,000	98
11711	JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)	\$35,000,000	99
12590	LEMAY PUBLIC I/I REDUCTION AND REHABILITATION (2022) CONTRACT A	\$2,932,000	100
12741	LOUISVILLE AVENUE AND OAKLAND AVENUE COMBINED SEWER RELIEF	\$2,275,000	101
11746	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	\$48,000,000	102



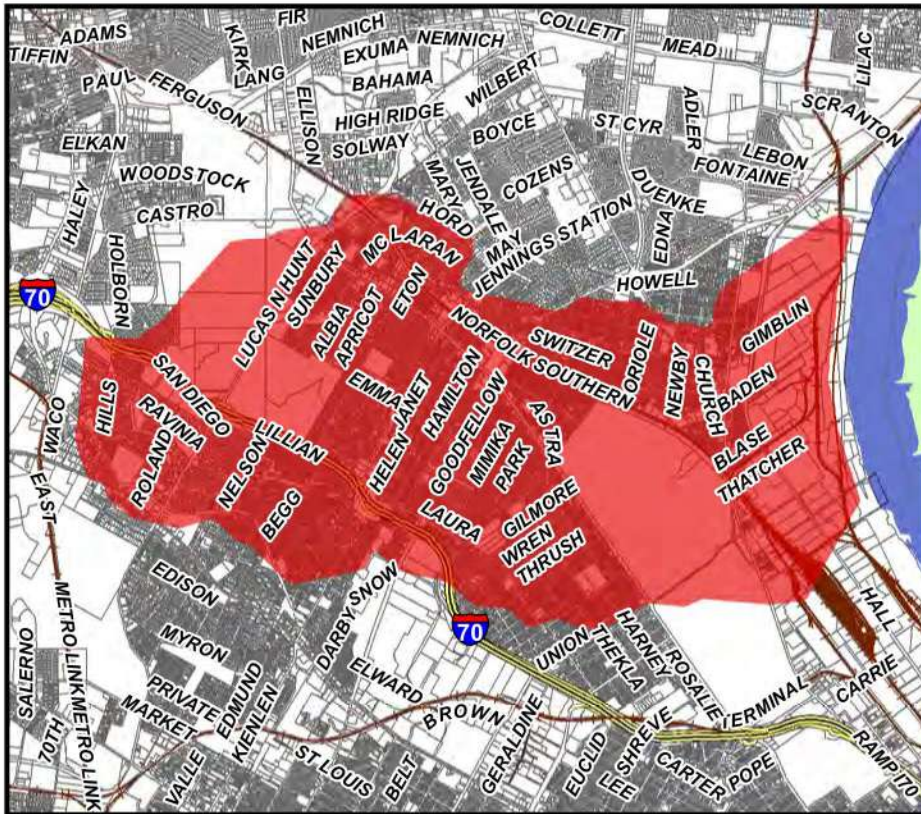
**WASTEWATER CONSTRUCTION PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
13409	LOWER MERAMEC WWTF - ADMINISTRATION BUILDING FACILITY IMPROVEMENTS	\$1,800,000	103
13408	LOWER MERAMEC WWTF - INFLUENT PUMP STATION IMPROVEMENTS	\$17,500,000	104
13407	LOWER MERAMEC WWTF - SOLIDS HANDLING EQUIPMENT REPLACEMENT	\$3,900,000	105
13518	LOWER MERAMEC WWTF CORROSION AND HUMIDITY CONTROL IMPROVEMENTS PHASE II	\$2,700,000	106
12255	LOWER MERAMEC WWTF EXPANSION PHASE II	\$30,000,000	107
13082	LOWER MERAMEC WWTF FITTING REPLACEMENT	\$1,800,000	108
10024	MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	\$2,000,000	109
10024	MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	\$4,000,000	110
13222	MISSOURI RIVER WWTF DIGESTER GAS STORAGE COVER REPLACEMENT	\$1,289,000	111
12364	OAKWOOD FARMS PUMP STATION (P-470) ELIMINATION	\$445,000	112
12368	PRICE TO PIONEER SANITARY RELIEF	\$4,000,000	113
10161	SCHUETZ ROAD SANITARY RELIEF (FOREST BROOK LN TO SUNNY WOOD CT)	\$753,000	114
12201	SHREWSBURY SANITARY RELIEF SEWER AND I/I REDUCTION (WEIL AVE AND I-44)	\$980,000	115
10756	SOUTH BROADWAY AT MERAMEC COMBINED SEWER REPLACEMENT	\$1,500,000	116
12212	ST. GEORGE CREEK SANITARY RELIEF (DAISY LN TO GRAVOIS RD TO NEW HAMPSHIRE AVE)	\$3,305,000	117
12213	ST. JACQUES SANITARY RELIEF (ST. JACQUES ST TO N LAFAYETTE ST)	\$155,000	118
12221	SUB-TRUNK #2 SANITARY RELIEF (BIRMINGHAM CT TO COVE LN)	\$2,515,000	119

**WASTEWATER CONSTRUCTION PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
11669	SUB-TRUNK #3 SANITARY RELIEF (MURIEL DR TO JENNER LN)	\$1,905,000	120
13361	TREVILLIAN 20 AND 50 SANITARY SEWER REPLACEMENT	\$435,000	121
13292	WASHINGTON TERRACE 14 SEWER REPLACEMENT	\$279,000	122
12922	WATKINS CREEK PUMP STATION (P-101) FORCEMAIN REPLACEMENT (COAL BANK RD TO SPRING GARDEN DR)	\$1,600,000	123
12491	WATKINS CREEK PUMP STATION (P-101) REPLACEMENT	\$2,900,000	124
<b><i>TOTAL:</i></b>		<b>\$281,979,000</b>	

# BADEN CITYSHED MITIGATION BASINS (CALVARY, FREDERIK, PARTRIDGE AND TILLIE) - SEPARATION SEWERS



**FISCAL YEAR:** 2022

**PROJECT NO:** 12847

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS, STRUCTURE AND STREET FLOODING.

## BUDGET:

\$4,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 11,000 FEET OF STORM SEWER FOR SOFT SEPARATION.

## MUNICIPALITY:

St. Louis City

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 23. TOTAL CONSTRUCTION BUDGET IS \$6,300,000.

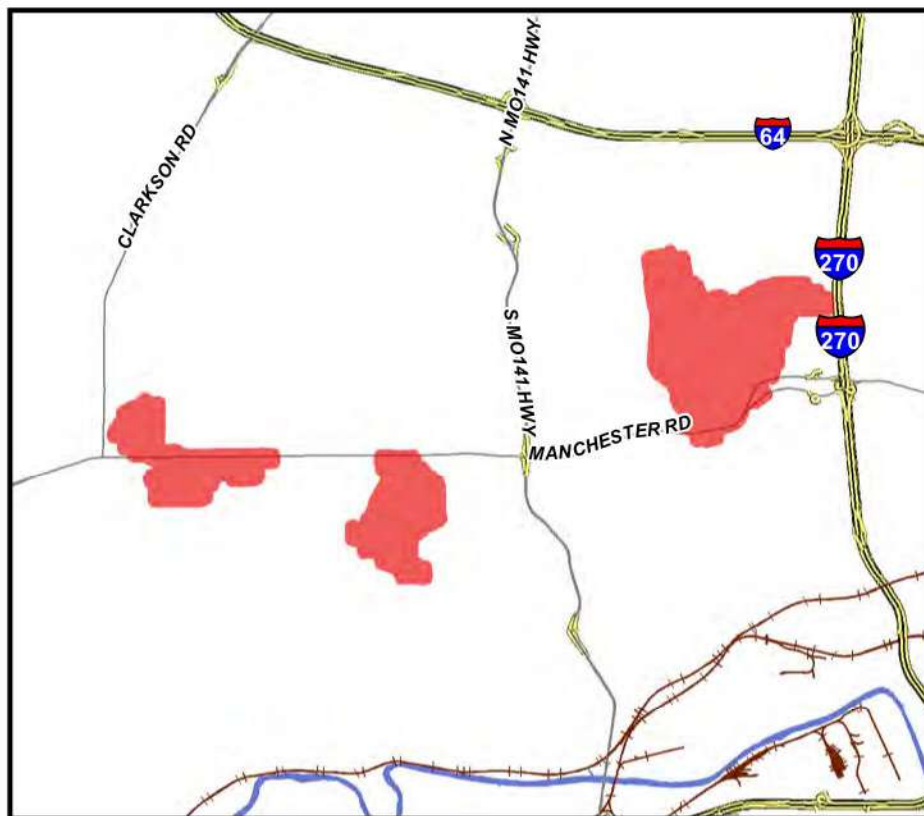
## WATERSHED:

Baden

## EXPENSE TYPE:

Capital

# BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT A



**FISCAL YEAR:** 2022

**PROJECT NO:** 12584

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

INFLOW AND INFILTRATION CAUSING OVERCHARGED SEWERS.

## BUDGET:

\$4,216,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REHABILITATE 100,000 FEET OF THE PUBLIC SEWER SYSTEM USING THE  
CURED IN PLACE PIPE METHOD, TO REDUCE PUBLIC I/I.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

INCLUDES PUBLIC I/I REDUCTION FROM PROJECTS 12345, 12331, 12165,  
AND 12187.

## WATERSHED:

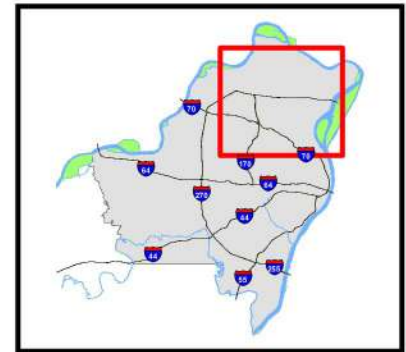
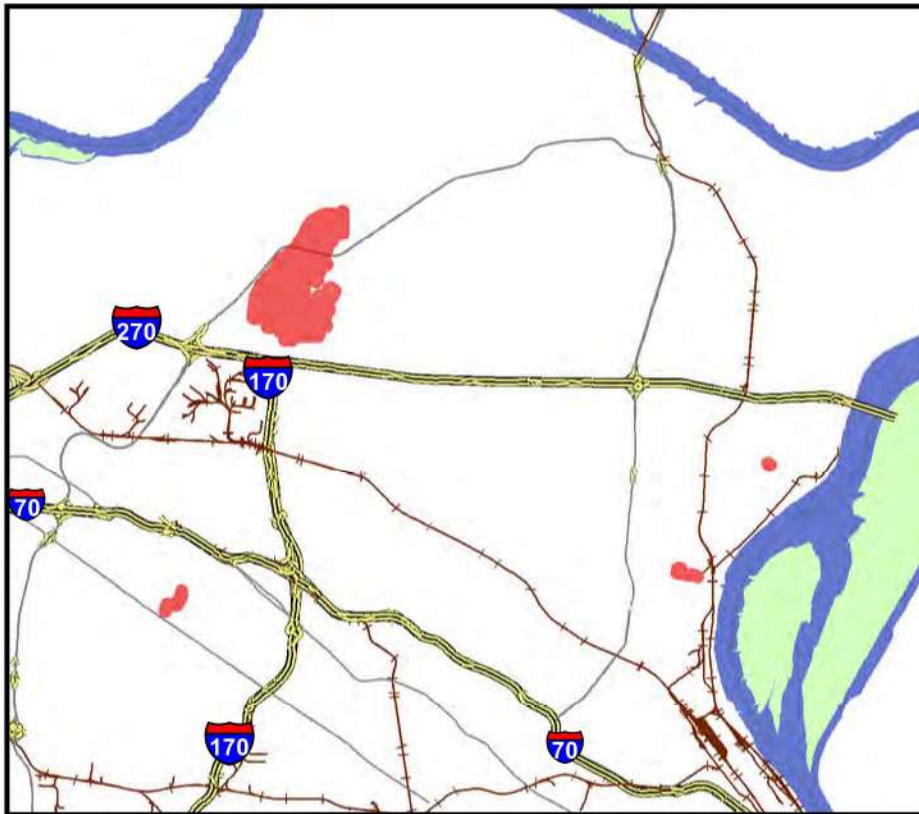
Various

## EXPENSE TYPE:

Capital



# BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT B



**FISCAL YEAR:** 2022

**PROJECT NO:** 13031

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

INFLOW AND INFILTRATION CAUSING OVERCHARGED SEWERS.

## BUDGET:

\$2,906,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REHABILITATE 34,000 FEET OF THE PUBLIC SEWER SYSTEM USING THE CURED IN PLACE PIPE METHOD, TO REDUCE PUBLIC I/I.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

INCLUDES PUBLIC I/I REDUCTION FROM PROJECTS 12185, 12159, 12085, AND 12210.

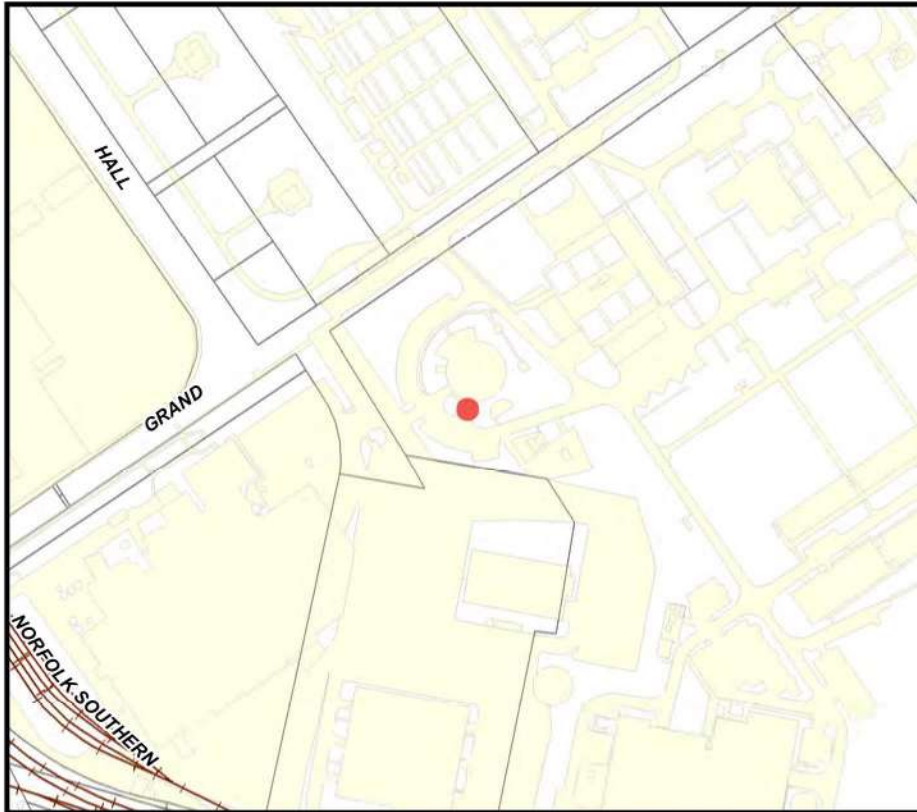
## WATERSHED:

Various

## EXPENSE TYPE:

Capital

# BISSELL POINT WWTF TRICKLING FILTER MEDIA REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 12566

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$11,000,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
St. Louis City

**MAJOR SERVICE AREA:**  
Bissell

**WATERSHED:**  
Bissell

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

AGING TRICKLING FILTER MEDIA NEARING END OF USEFUL LIFE.

## Scope of Project

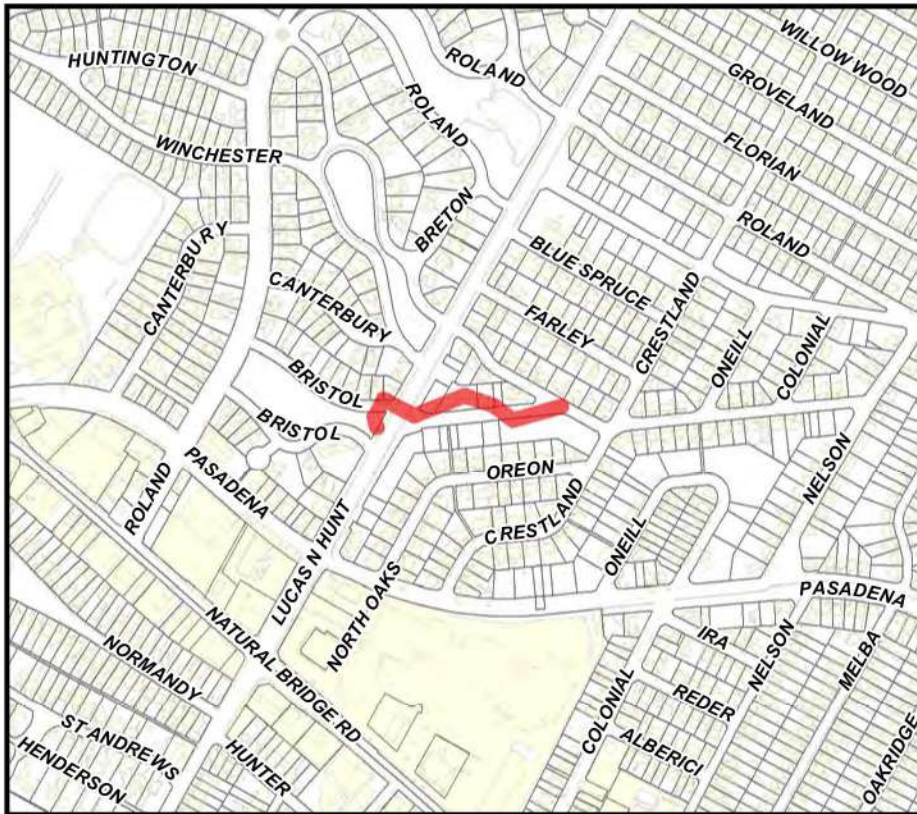
REPLACE TRICKLING FILTER MEDIA ON SIX FILTERS AT THE BISSELL PLANT.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 22. TOTAL CONSTRUCTION BUDGET IS \$25,000,000.



# CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12110

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$1,084,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 1,680 FEET OF 8-INCH TO 15-INCH SANITARY SEWER, AND  
CONSTRUCT 680 FEET OF NATURAL CHANNEL STABILIZATION.

## MUNICIPALITY:

Northwoods

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

5120 FUNDING IS FOR STORMWATER PROJECT 11016, WHICH IS TO BE  
COMBINED WITH THIS PROJECT AND CONSTRUCTED UNDER THIS  
PROJECT NUMBER.

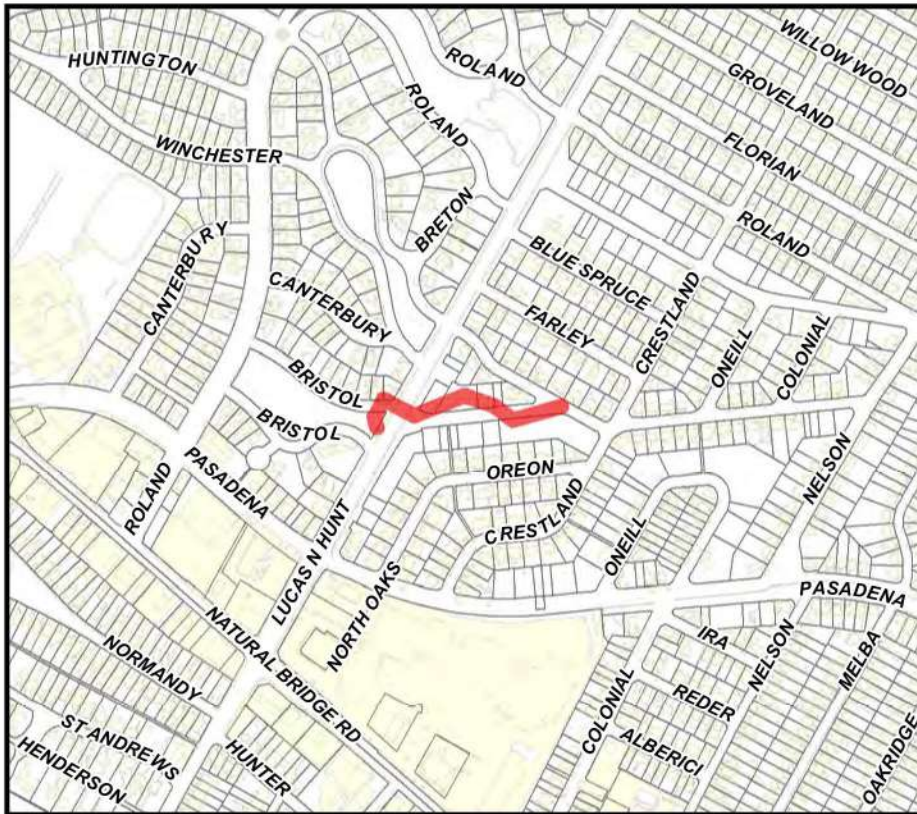
## WATERSHED:

Bissell

## EXPENSE TYPE:

Capital

# CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12110

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

**BUDGET:**  
\$320,000

**FUND:**  
5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT 1,680 FEET OF 8-INCH TO 15-INCH SANITARY SEWER, AND  
CONSTRUCT 680 FEET OF NATURAL CHANNEL STABILIZATION.

**MUNICIPALITY:**  
Northwoods

**MAJOR SERVICE AREA:**  
Bissell

## Comments/Remarks

5120 FUNDING IS FOR STORMWATER PROJECT 11016, WHICH IS TO BE  
COMBINED WITH THIS PROJECT AND CONSTRUCTED UNDER THIS  
PROJECT NUMBER.

**WATERSHED:**  
Bissell

**EXPENSE TYPE:**  
Capital



# CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 12753

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

SLOPE FAILURES CAUSING DAMAGE TO EXISTING SANITARY SEWER.

## BUDGET:

\$1,240,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 668 FEET OF 8-INCH SANITARY SEWER, 585 FEET OF 30-INCH TO 42-INCH STORM SEWER TO REPLACE ERODING CHANNEL, AND 30 FEET OF 15-INCH STORM SEWER.

## MUNICIPALITY:

Hazelwood

## MAJOR SERVICE AREA:

Missouri

## Comments/Remarks

MOST OF THE STORM SEWER CONSTRUCTION IS REQUIRED TO PROTECT THE SANITARY LINE FROM EROSION AND SLOPE FAILURE.

## WATERSHED:

Bonfils

## EXPENSE TYPE:

Capital

# CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 12753

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

SLOPE FAILURES CAUSING DAMAGE TO EXISTING SANITARY SEWER.

**BUDGET:**  
\$60,000

**FUND:**  
5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT 668 FEET OF 8-INCH SANITARY SEWER, 585 FEET OF 30-INCH TO 42-INCH STORM SEWER TO REPLACE ERODING CHANNEL, AND 30 FEET OF 15-INCH STORM SEWER.

**MUNICIPALITY:**  
Hazelwood

**MAJOR SERVICE AREA:**  
Missouri

## Comments/Remarks

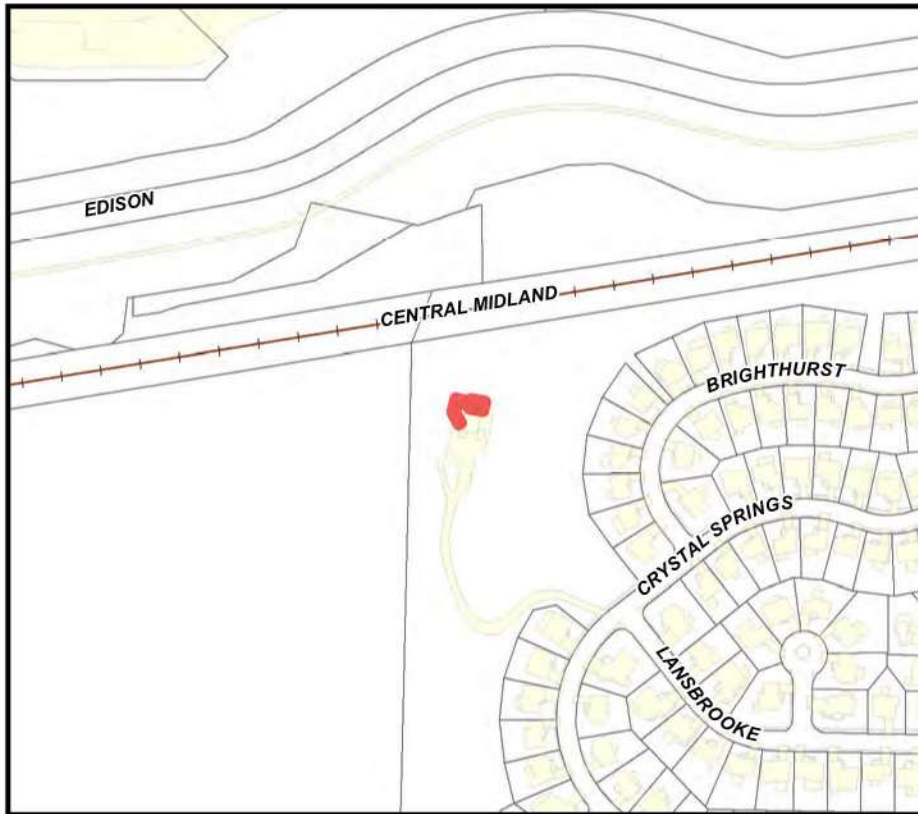
MOST OF THE STORM SEWER CONSTRUCTION IS REQUIRED TO PROTECT THE SANITARY LINE FROM EROSION AND SLOPE FAILURE.

**WATERSHED:**  
Bonfils

**EXPENSE TYPE:**  
Capital



# CAULKS CREEK A PUMP STATION (P-750) IMPROVEMENTS



**FISCAL YEAR:** 2022

**PROJECT NO:** 12248

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

EXISTING PUMP STATION IS DETERIORATING AND REQUIRES IMPROVEMENT.

## BUDGET:

\$5,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT IMPROVEMENTS TO PUMP STATION P-750.

## MUNICIPALITY:

Chesterfield

## MAJOR SERVICE AREA:

Missouri

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 23. TOTAL BUDGET IS \$8,516,000.

## WATERSHED:

Caulks Creek

## EXPENSE TYPE:

Capital

# CLAYTON MERAMEC ELEMENTARY PRIVATE I/I REMOVAL (S. MERAMEC AVE AT WALINCA TER)



**FISCAL YEAR:** 2022

**PROJECT NO:** 13568

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$500,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REMOVE STORM DRAINS AND DOWNSPOUTS CONNECTED TO THE  
SANITARY SEWER.

## MUNICIPALITY:

Clayton

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

Deer Creek

## EXPENSE TYPE:

Capital



# CLAYTON RD 9925 SANITARY SEWER REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 13446

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

FAILING SANITARY SEWER.

## BUDGET:

\$285,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 395 FEET OF 12-INCH SANITARY SEWER.

## MUNICIPALITY:

Ladue

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

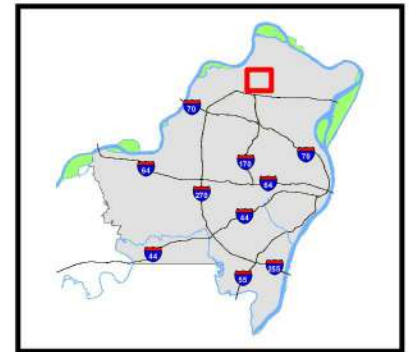
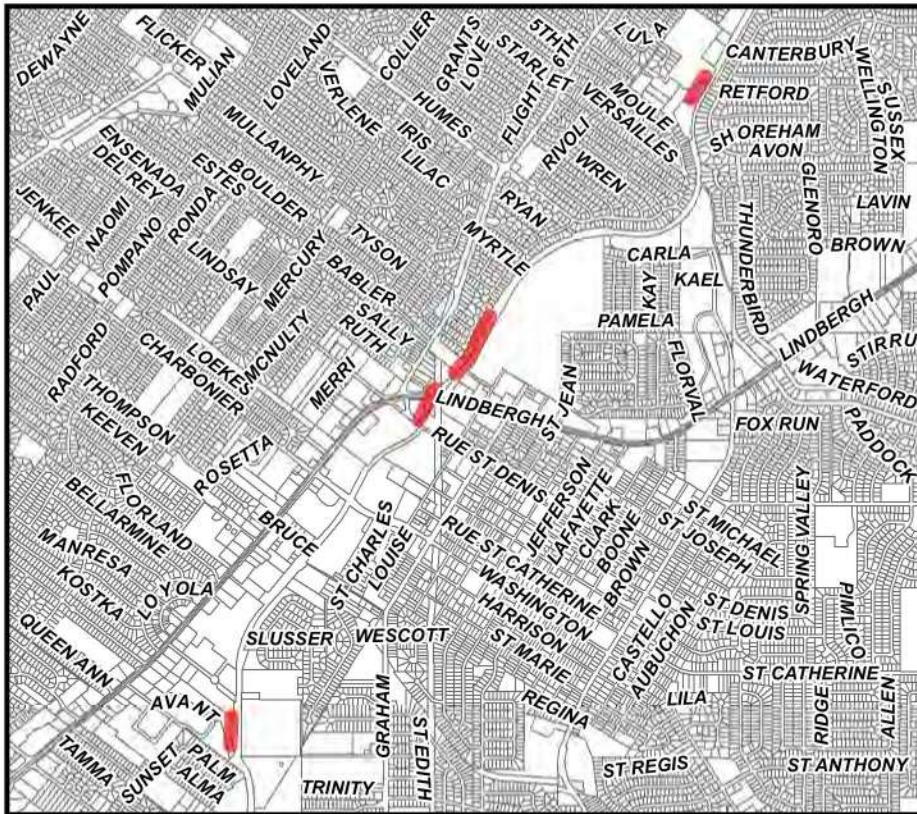
## WATERSHED:

Deer Creek

## EXPENSE TYPE:

Capital

# COLDWATER SANITARY RELIEF SECTION B, C & D - SECTION B REHABILITATION



**FISCAL YEAR:** 2022

**PROJECT NO:** 11724

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

AGING AND DETERIORATED SANITARY TRUNK SEWER REQUIRES STRUCTURAL REHABILITATION.

## BUDGET:

\$1,600,000

## FUND:

6660 - Sanitary Replacement Fund

## Scope of Project

REHABILITATE 2,650 FEET OF 54-INCH TO 66-INCH SANITARY SEWER USING THE CURED IN PLACE PIPE METHOD.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Coldwater

## Comments/Remarks

## WATERSHED:

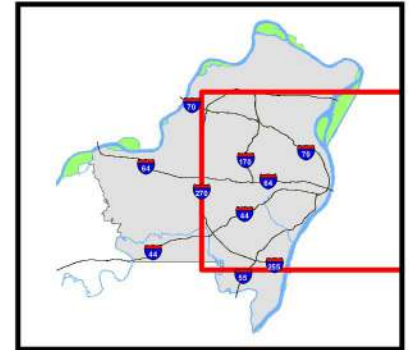
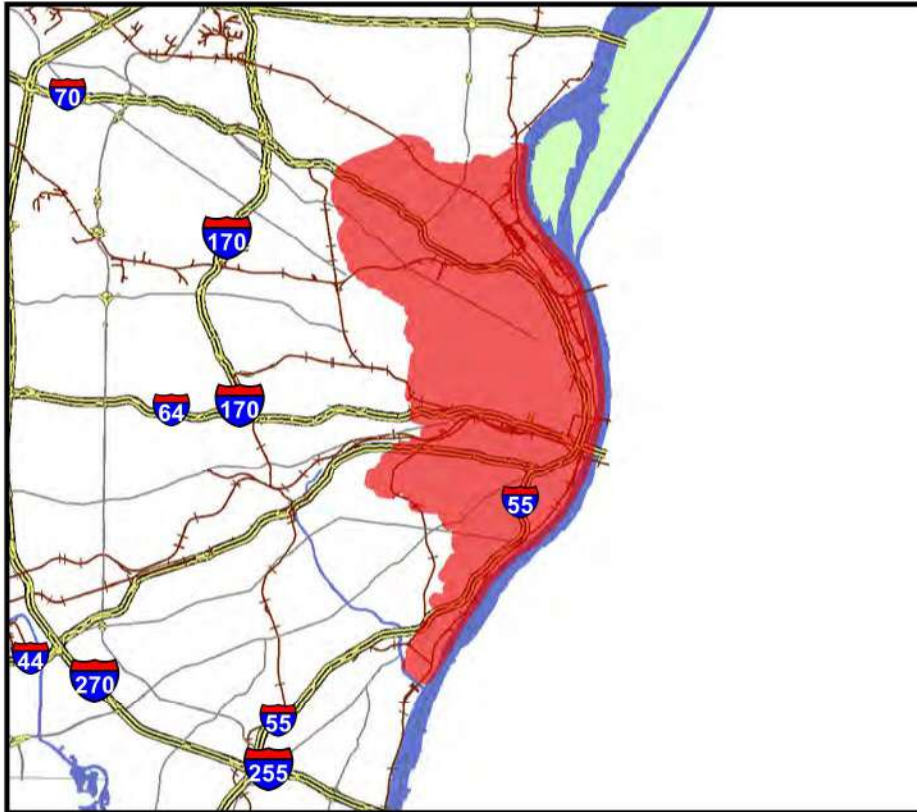
Coldwater Creek

## EXPENSE TYPE:

Capital



# CSO VOLUME REDUCTION GREEN INFRASTRUCTURE



**FISCAL YEAR:** 2022

**PROJECT NO:** 11146

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

CONTROL AND REDUCTION OF COMBINED SEWER OVERFLOWS AS REQUIRED BY THE CONSENT DECREE.

**BUDGET:**

\$5,000,000

**FUND:**

1101 - General Fund

## Scope of Project

INSTALLATION OF GREEN SOURCE CONTROL DEVICES TO REDUCE STORMWATER VOLUMES ENTERING THE COMBINED SEWER SYSTEM IN THE MISSISSIPPI WATERSHED.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Bissell

## Comments/Remarks

THIS PROJECT TO BE IMPLEMENTED IN COOPERATION WITH THE CITY OF ST. LOUIS AND OTHER AGENCIES. MAY INCLUDE CAPITAL AND NON-CAPITAL SERVICES.

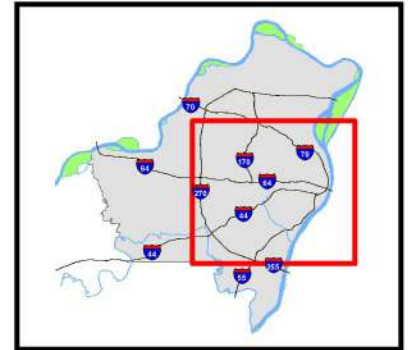
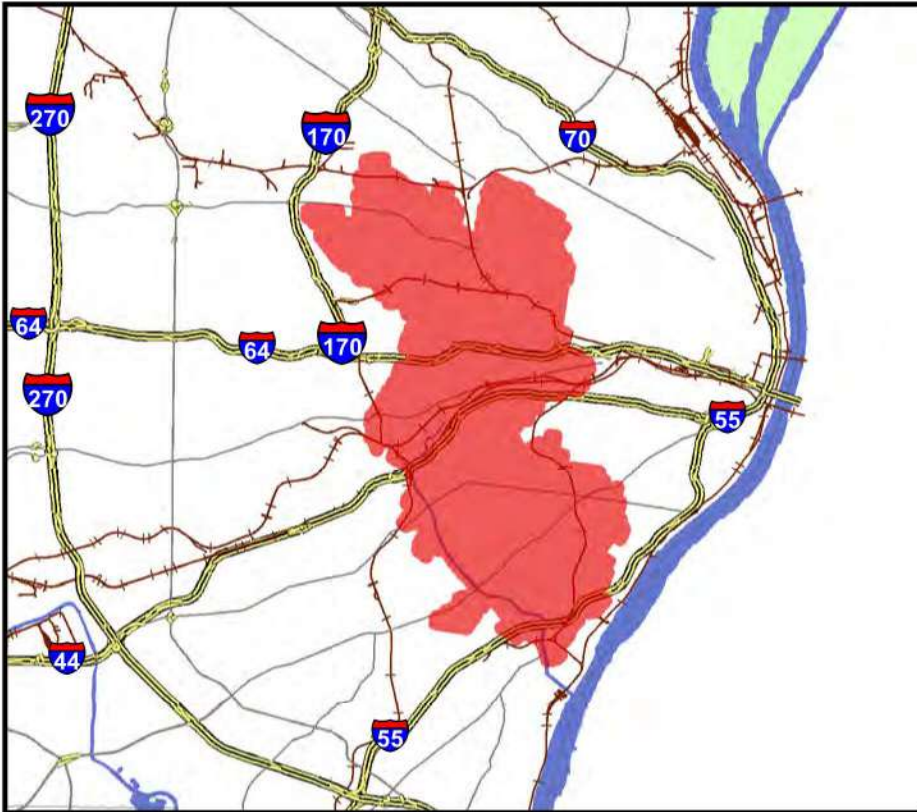
**WATERSHED:**

Mississippi River Tributary Areas

**EXPENSE TYPE:**

Non-recurring

# CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES



**FISCAL YEAR:** 2022

**PROJECT NO:** 13078

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

CONTROL AND REDUCTION OF COMBINED SEWER OVERFLOWS AS REQUIRED BY THE CONSENT DECREE.

## BUDGET:

\$3,000,000

## FUND:

1101 - General Fund

## Scope of Project

INSTALLATION OF GREEN SOURCE CONTROL DEVICES TO REDUCE STORMWATER VOLUMES ENTERING THE COMBINED SEWER SYSTEM IN THE RIVER DES PERES WATERSHED.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

THIS PROJECT TO BE IMPLEMENTED IN COOPERATION WITH THE CITY OF ST. LOUIS AND OTHER AGENCIES. MAY INCLUDE CAPITAL AND NON-CAPITAL SERVICES.

## WATERSHED:

River Des Peres

## EXPENSE TYPE:

Non-recurring



# DC-02 & DC-03 SANITARY RELIEF (BRENTWOOD BLVD TO CONWAY RD) PHASE III AND PHASE IV



**FISCAL YEAR:** 2022

**PROJECT NO:** 12472

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$17,500,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Ladue

**MAJOR SERVICE AREA:**  
Lemay/RDP

**WATERSHED:**  
Deer Creek

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY TRUNK SEWER ACTIVATING CONSTRUCTED SSOS.

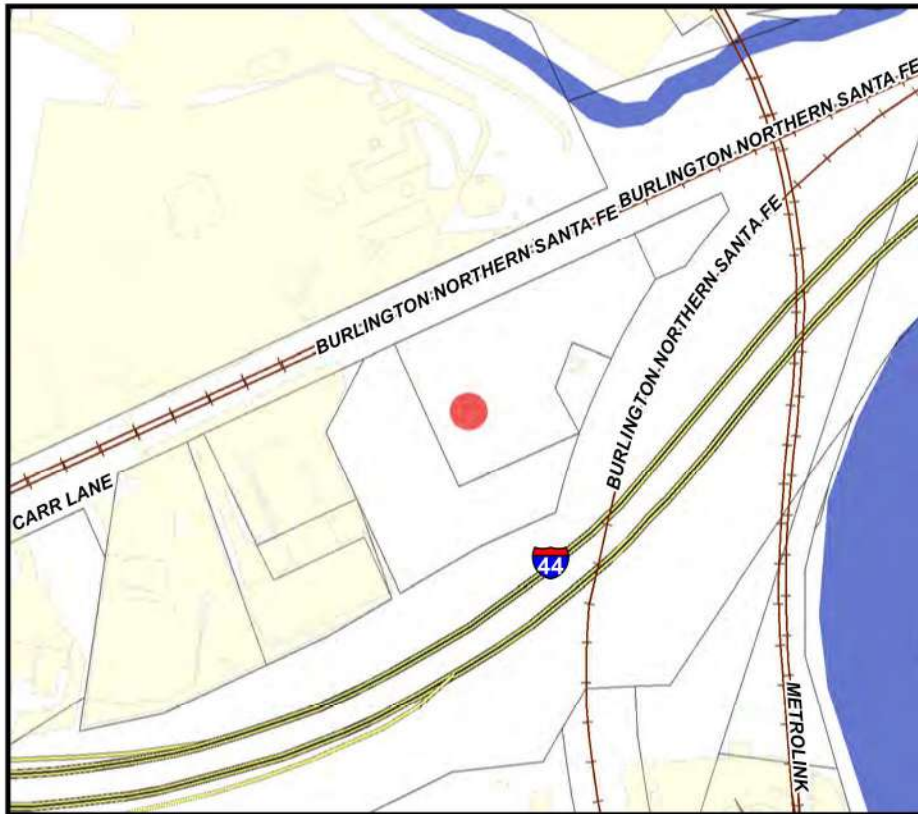
## Scope of Project

CONSTRUCT 16,200 FEET OF 8-INCH TO 54-INCH SANITARY SEWER, TO ALLEVIATE SYSTEM SURCHARGING. ELIMINATE CONSTRUCTED SSO OUTFALLS BP-155, BP-170, BP-348, BP-349, BP-198, BP-545, AND BP-591.

## Comments/Remarks

PROJECT RECEIVES FINAL PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY22. TOTAL CONSTRUCTION BUDGET IS \$45,500,000.

# DEER CREEK SANITARY TUNNEL (CLAYTON RD TO RDP) - PUMP STATION



**FISCAL YEAR:** 2022

**PROJECT NO:** 12615

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$15,000,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Shrewsbury

**MAJOR SERVICE AREA:**  
Lemay/RDP

**WATERSHED:**  
Deer Creek

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

EXCESSIVE INFLOW AND INFILTRATION CAUSING SURCHARGING IN EXISTING SEWERS AND ACTIVATING CONSTRUCTED SSOS.

## Scope of Project

CONSTRUCT A 21 MGD PUMP STATION FACILITY, FOR THE DEER CREEK TUNNEL PROJECT.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 22. TOTAL CONSTRUCTION BUDGET IS \$30,000,000.



# DOLAN PLACE AND GRANDVIEW PLACE COMBINED SEWER RELIEF



**FISCAL YEAR:** 2022

**PROJECT NO:** 12740

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED MAINS.

## BUDGET:

\$3,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 610 FEET OF 12-INCH TO 36-INCH COMBINED SEWER, AND 650 FEET OF REINFORCED CONCRETE BOX CULVERT 9 FOOT WIDE BY SIX FOOT HIGH.

## MUNICIPALITY:

St. Louis City

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

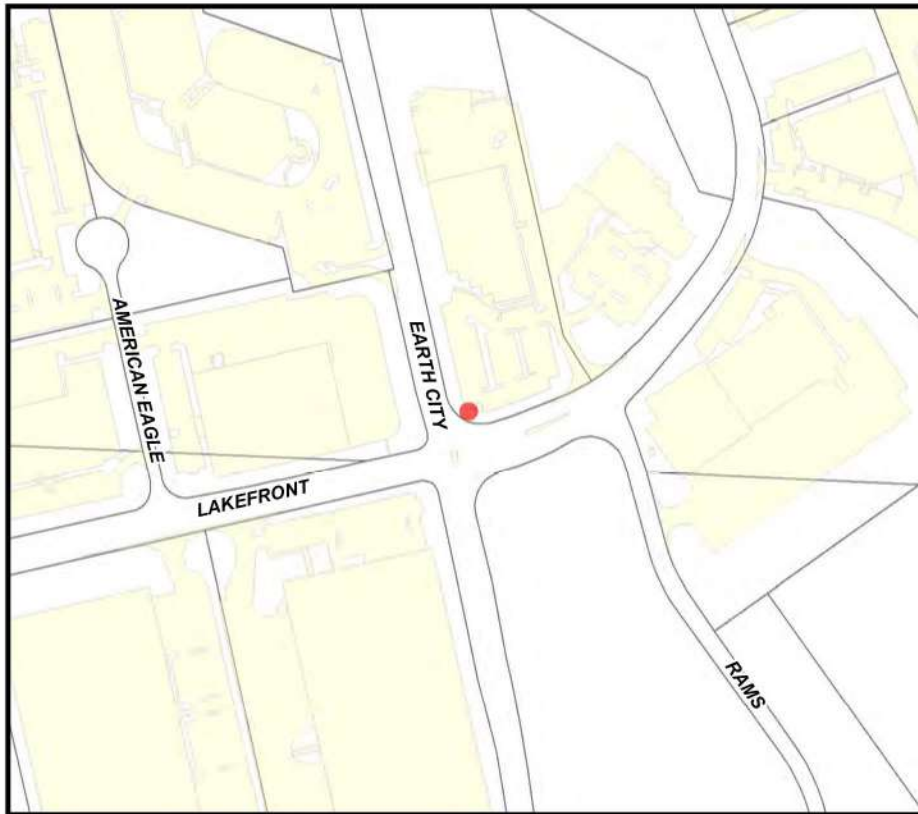
## WATERSHED:

Oakland

## EXPENSE TYPE:

Capital

# EARTH CITY EXPRESSWAY PUMP STATION (P-708) REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 12153

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

PUMP STATION P-708 NEEDS REPLACEMENT TO MEET CURRENT SERVICE LEVEL DEMANDS.

## BUDGET:

\$1,700,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REPLACE PUMP STATION P-708.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Missouri

## Comments/Remarks

THIS PROJECT WAS DESIGNED UNDER PROJECT 11701.

## WATERSHED:

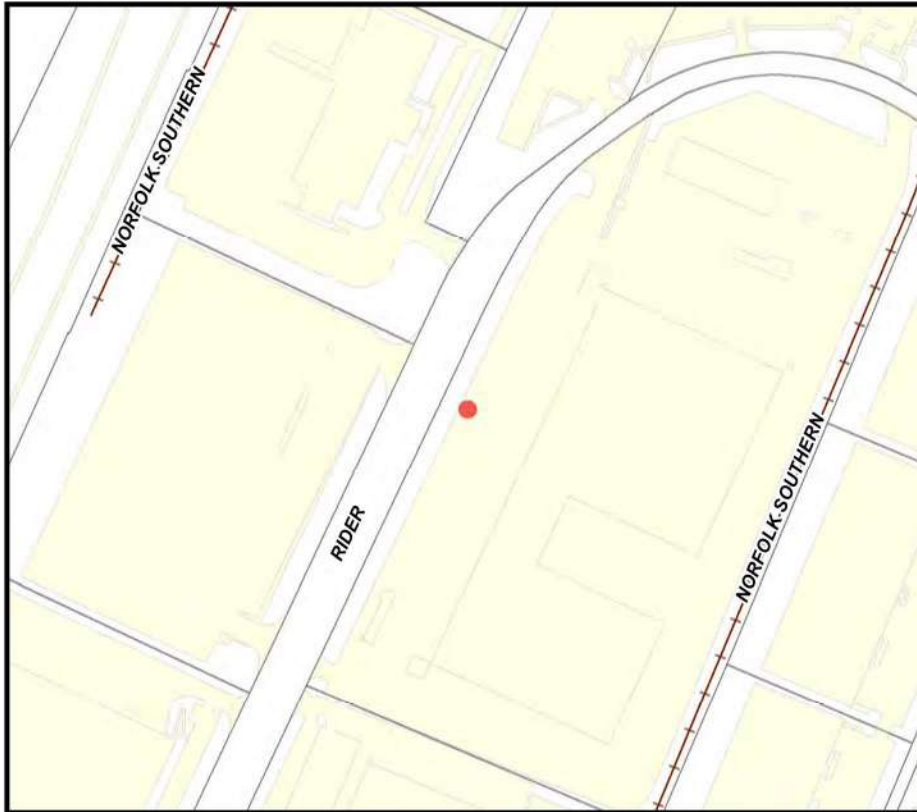
Mississippi River Tributary Areas

## EXPENSE TYPE:

Capital



# EARTH CITY UPS PUMP STATION (P-702) REPLACEMENT PHASE II



**FISCAL YEAR:** 2022

**PROJECT NO:** 13599

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

DETERIORATING PUMP STATION AT END OF USEFUL LIFE.

## BUDGET:

\$1,500,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT REPLACEMENT OF PUMP STATION P-702, 266 FEET OF 8-INCH FORCE MAIN, AND 128 FEET OF 8-INCH TO 72-INCH SANITARY SEWER.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Missouri

## Comments/Remarks

PHASE I WORK CONSTRUCTED UNDER PROJECT 11701, SEE ORDINANCE 14649.

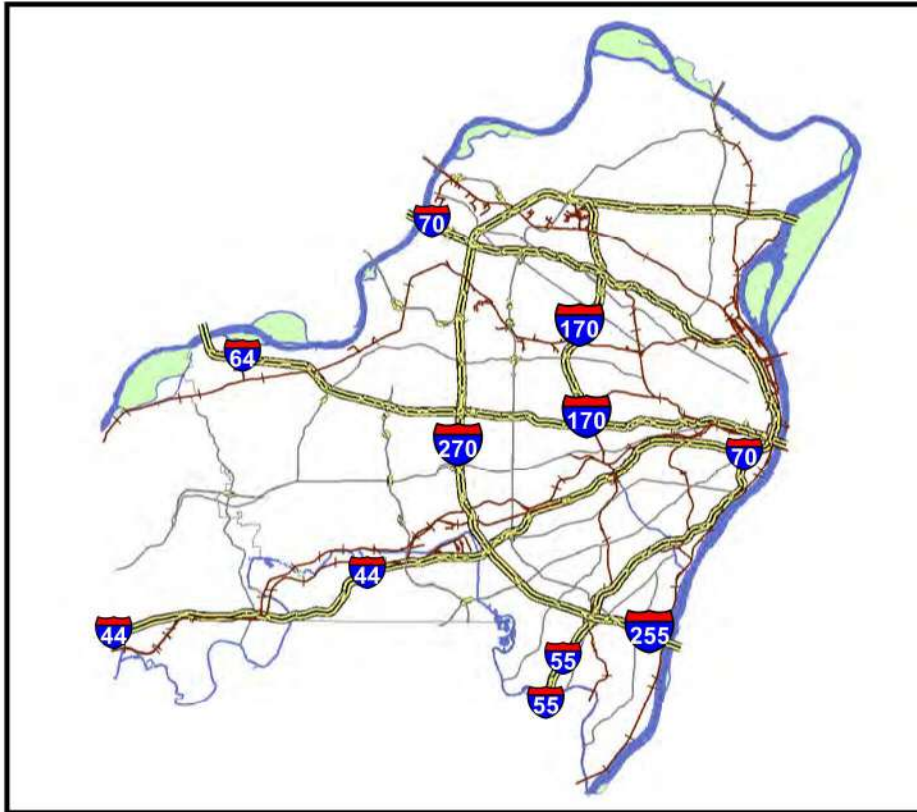
## WATERSHED:

Missouri River Tributary Areas

## EXPENSE TYPE:

Capital

# EASEMENT ACQUISITION FOR WASTEWATER PROJECTS (2022)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12819

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
13

**TASK NAME:**  
Property Rights  
Acquisition

## Description of Problem/Issue

IMPLEMENTATION OF THE CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM AND CONSENT DECREE, REQUIRE PROPERTY RIGHTS ACQUISITION FOR EASEMENTS AND PURCHASES.

**BUDGET:**

\$3,500,000

**FUND:**

6660 - Sanitary  
Replacement Fund

## Scope of Project

PROVIDE EASEMENT ACQUISITION FUNDING FOR CAPITAL IMPROVEMENT AND REPLACEMENT PROGRAM WASTEWATER PROJECTS.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

**WATERSHED:**

Various

**EXPENSE TYPE:**

Asset Management

# FENTON CREEK PUMP STATION (P-425) IMPROVEMENTS



**FISCAL YEAR:** 2022

**PROJECT NO:** 12166

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$930,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REPLACE PUMP STATION P-425, CONSTRUCT 700 FEET OF 4-INCH FORCE MAIN, AND CONSTRUCT 840 FEET OF 8-INCH SANITARY SEWER.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

## WATERSHED:

Fenton Creek

## EXPENSE TYPE:

Capital



# FF-07 FEE FEE CREEK SANITARY RELIEF (MEADOWSIDE DR TO WILLOW BROOK DR)



**FISCAL YEAR:** 2022

**PROJECT NO:** 10012

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$600,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Unincorporated

**MAJOR SERVICE AREA:**  
Missouri

**WATERSHED:**  
Fee Fee Creek

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

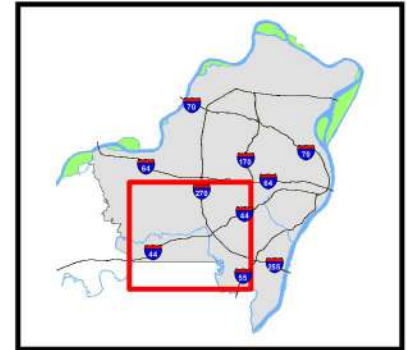
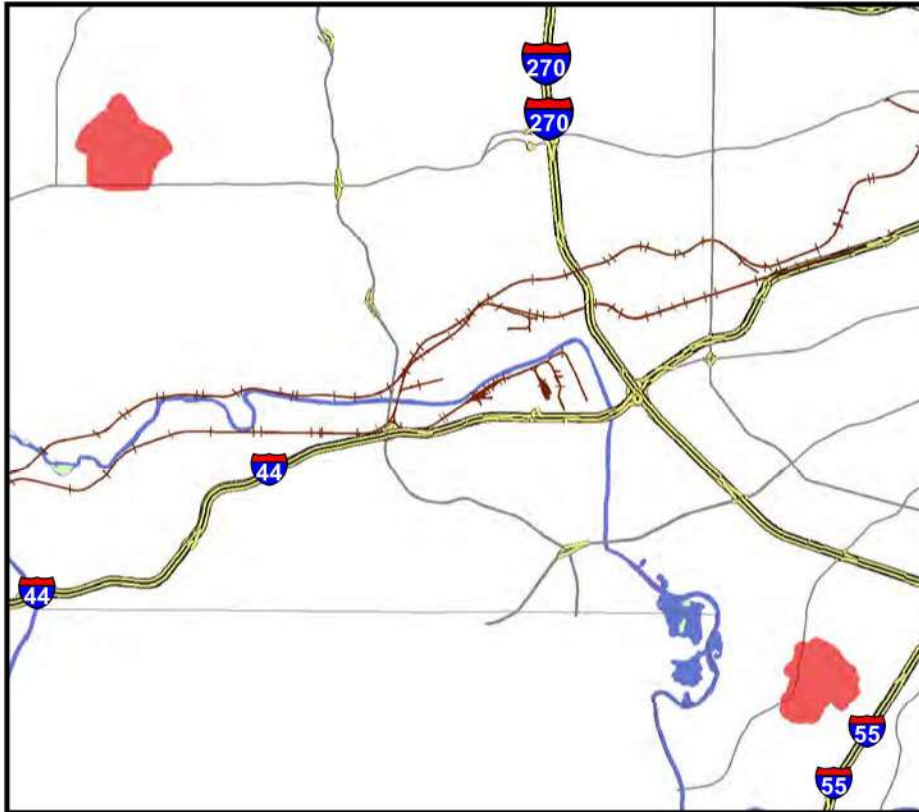
## Scope of Project

CONSTRUCT 3,700 FEET OF 8-INCH TO 24-INCH SANITARY SEWER, AND ELIMINATE CONSTRUCTED SSO OUTFALL BP-069.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 22. TOTAL CONSTRUCTION BUDGET IS \$4,600,000.

# FISHPOT TRUNK WEST AND ED LOU LANE I/I REDUCTION (SMITH DR AND VLASIS DR)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12173

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS, AND EXCESSIVE I/I FLOWS AT THE VANCE ROAD PUMP STATION AND GRAND GLAIZE WWTF.

## BUDGET:

\$300,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REPLACE 343 FEET OF 8-INCH SANITARY SEWER, AND PERFORM PRIVATE I/I REDUCTION AT 14 PROPERTIES.

## MUNICIPALITY:

Ballwin

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

PUBLIC I/I REDUCTION INCLUDED IN PROJECT 12508. THIS PROJECT INCLUDES THE SCOPE OF WORK FROM PROJECT 12158.

## WATERSHED:

Fishpot Creek

## EXPENSE TYPE:

Capital



# GEYER SANITARY RELIEF AND WINDSOR SPRINGS P-521 STORAGE (BIG BEND BLVD TO WINDSOR SPRINGS DR)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12175

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SEWERS.

## BUDGET:

\$5,030,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 6,460 FEET OF 10-INCH FORCEMAIN, UPGRADE WINDSOR SPRINGS PUMP STATION, AND PERFORM PRIVATE I/I REDUCTION AT 7 PROPERTIES.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

PUBLIC I/I INCLUDED IN 12057.

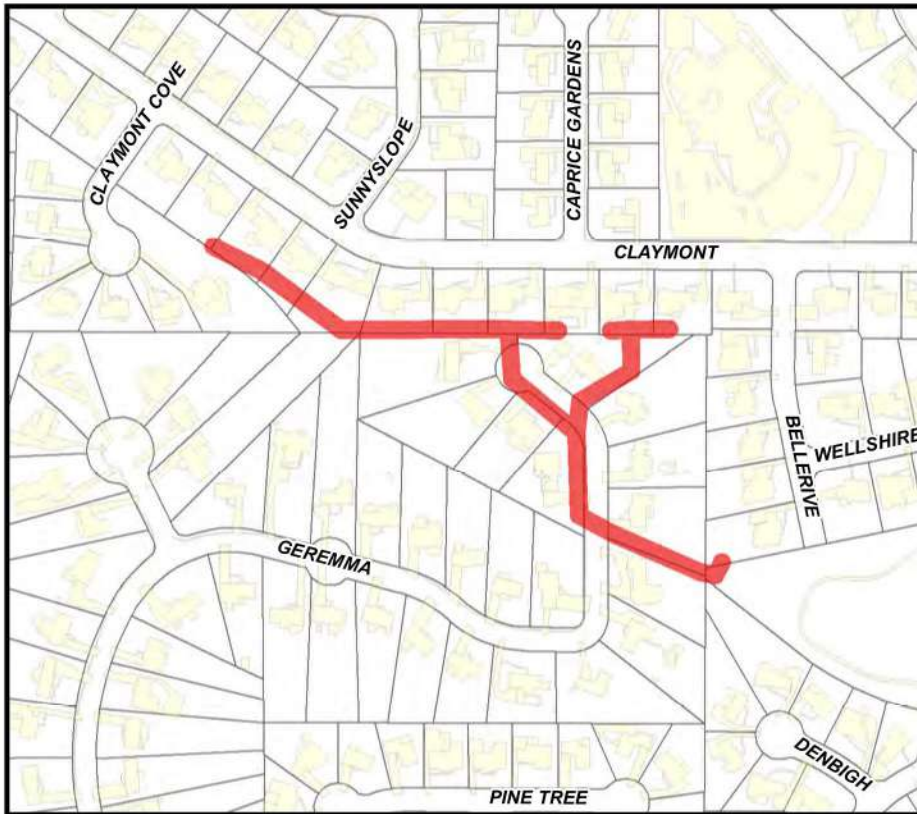
## WATERSHED:

Gravois Creek

## EXPENSE TYPE:

Capital

# GRAND GLAIZE TRUNK SANITARY RELIEF (BALLWIN GOLF CLUB TO CLAYMONT COVE CT)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12272

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS IN THE GRAND GLAIZE TRUNK SEWER.

## BUDGET:

\$740,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 1,935 FEET OF 6-INCH TO 15-INCH SANITARY SEWER.

## MUNICIPALITY:

Ballwin

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

## WATERSHED:

Grand Glaize Creek

## EXPENSE TYPE:

Capital



# HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE IB



**FISCAL YEAR:** 2022

**PROJECT NO:** 13597

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS AND SSOS REQUIRING REMOVAL.

## BUDGET:

\$3,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 324 FEET OF 72-INCH SANITARY SEWER, INCLUDING 128 FEET OF PIPE IN TUNNEL AND NEW JUNCTION CHAMBER.

## MUNICIPALITY:

Brentwood

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

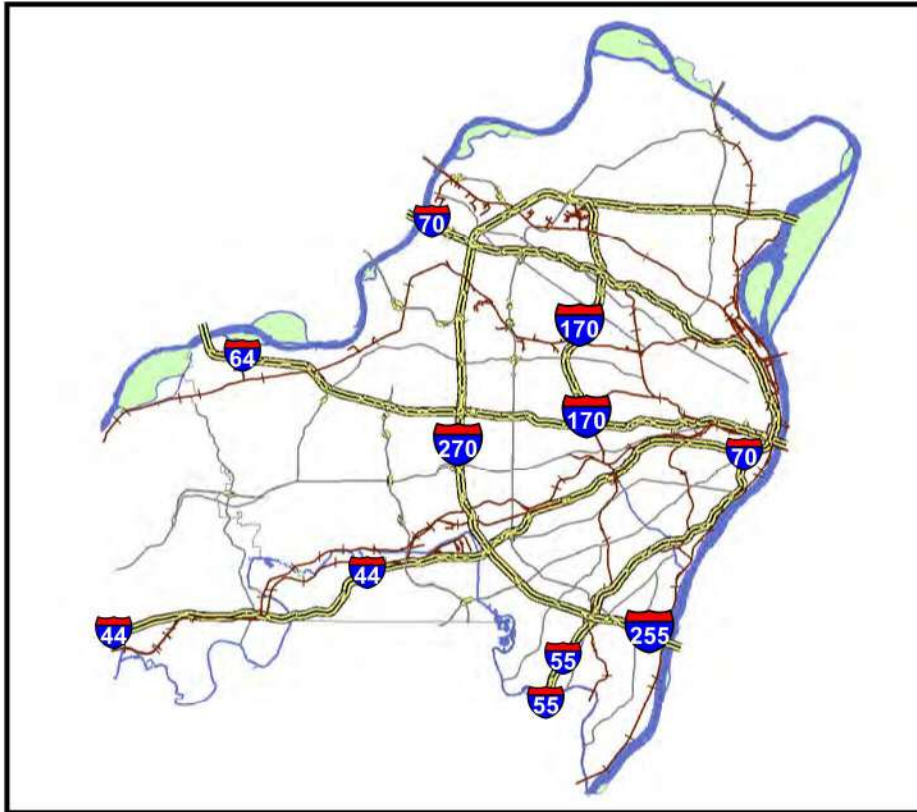
River Des Peres

## EXPENSE TYPE:

Capital



# INFRASTRUCTURE REPAIRS (FACILITIES) (2022)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12996

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
17

**TASK NAME:**  
Work Order Repair Costs  
(Capital)

## Description of Problem/Issue

FACILITIES HAVE NEEDS FOR REPAIRS OR IMPROVEMENTS THAT POSE MAJOR OPERATIONAL DIFFICULTY, EXPENSE, OR RISK TO WAIT FOR CAPITAL PROJECT DELIVERY.

**BUDGET:**

\$3,000,000

**FUND:**

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT REPAIR, REPLACEMENT, OR IMPROVEMENT PROJECTS TO ADDRESS NEEDS AT FACILITIES SUCH AS TREATMENT PLANTS AND PUMP STATIONS.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

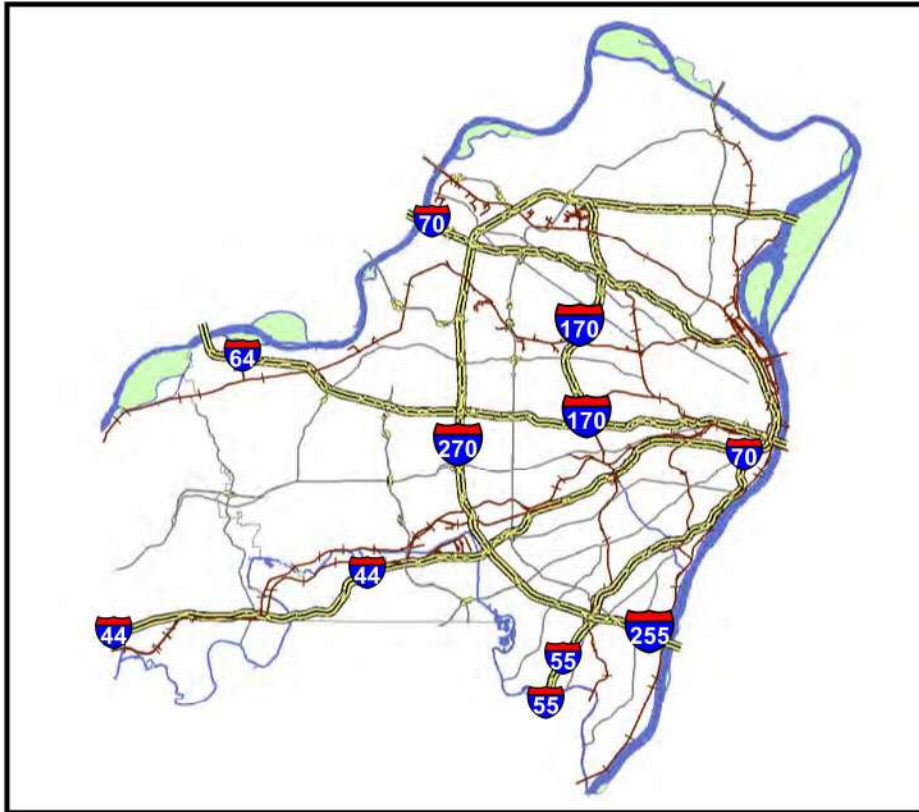
**WATERSHED:**

Various

**EXPENSE TYPE:**

Asset Management

# INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT A



**FISCAL YEAR:** 2022

**PROJECT NO:** 13016

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

DETERIORATED AND DAMAGED SEWER LINES CAUSE PIPE COLLAPSES, BLOCKED MAINS, AND BUILDING BACKUPS.

## BUDGET:

\$2,500,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT CURED-IN-PLACE PIPE INSTALLATION FOR SYSTEM REHABILITATION AND REPAIR, AS NEEDS ARE IDENTIFIED BY SEWER CLEANING AND INSPECTION EFFORTS.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

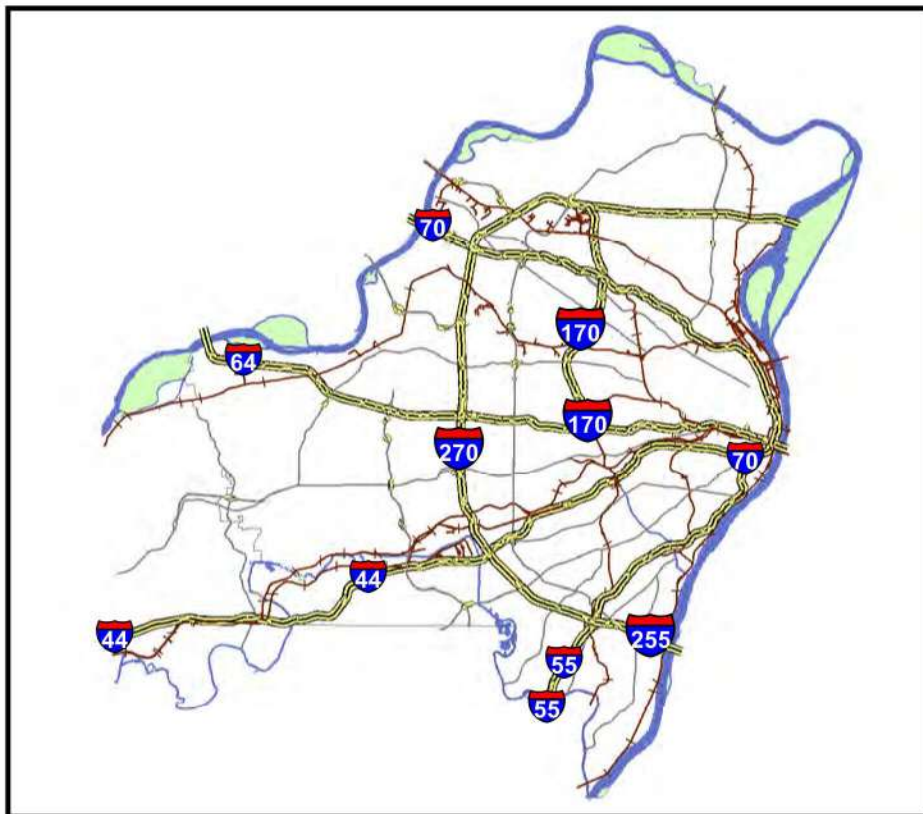
## WATERSHED:

Various

## EXPENSE TYPE:

Capital

# INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT B



**FISCAL YEAR:** 2022

**PROJECT NO:** 13017

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

DETERIORATED AND DAMAGED SEWER LINES CAUSE PIPE COLLAPSES, BLOCKED MAINS, AND BUILDING BACKUPS.

## BUDGET:

\$2,500,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT CURED-IN-PLACE PIPE INSTALLATION FOR SYSTEM REHABILITATION AND REPAIR, AS NEEDS ARE IDENTIFIED BY SEWER CLEANING AND INSPECTION EFFORTS.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

## WATERSHED:

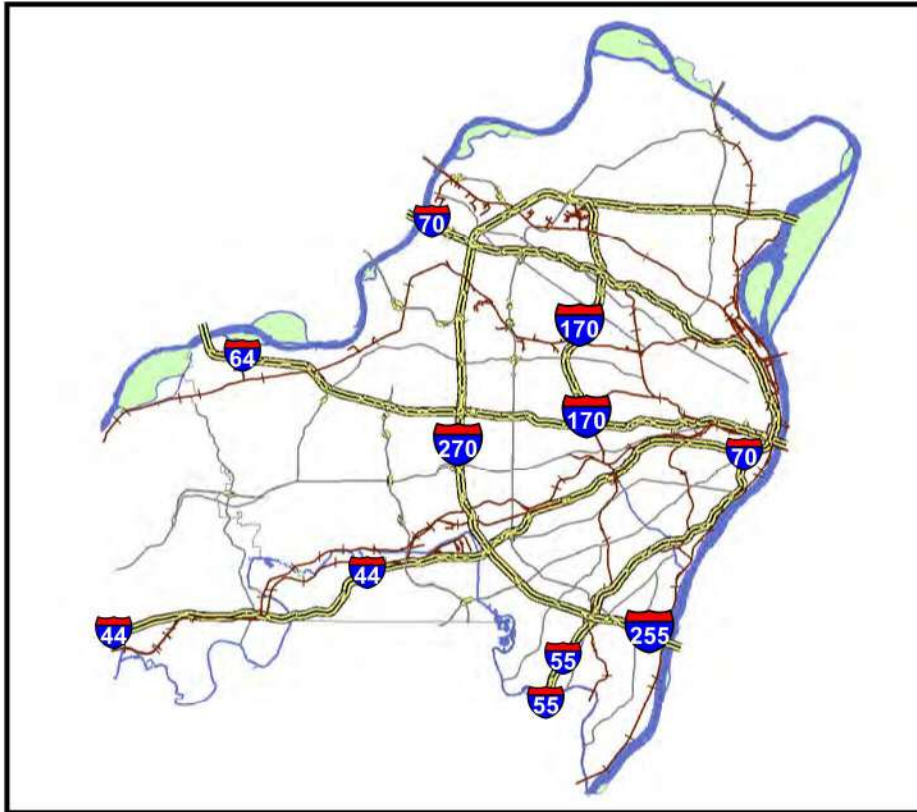
Various

## EXPENSE TYPE:

Capital



# INFRASTRUCTURE REPAIRS (WASTEWATER) (2022)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12988

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
17

**TASK NAME:**  
Work Order Repair Costs  
(Capital)

## Description of Problem/Issue

AGING AND DETERIORATING WASTEWATER INFRASTRUCTURE IS IN NEED OF REPAIR AND/OR REPLACEMENT.

## BUDGET:

\$7,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT REPAIR OR REPLACEMENT OF WASTEWATER INFRASTRUCTURE DISTRICTWIDE.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

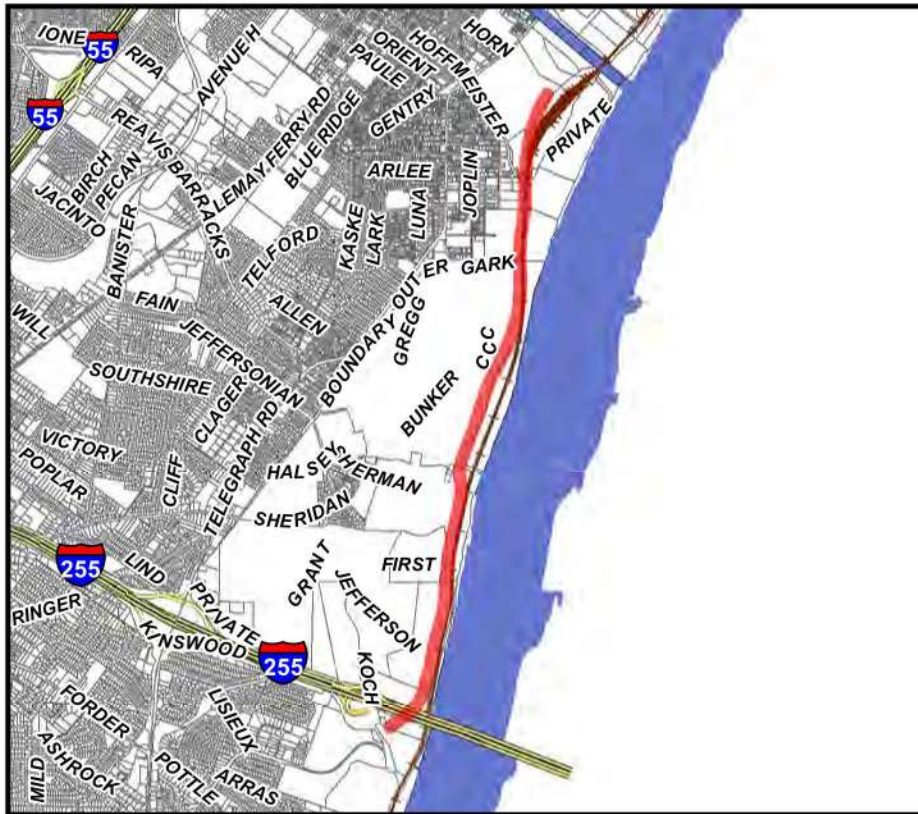
## WATERSHED:

Various

## EXPENSE TYPE:

Asset Management

# JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)



**FISCAL YEAR:** 2022

**PROJECT NO:** 11711

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$35,000,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Unincorporated

**MAJOR SERVICE AREA:**  
Lemay/RDP

**WATERSHED:**  
Martigney Creek

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

EXISTING COLLECTION SYSTEM IS UNDERSIZED FOR CURRENT CONDITIONS. PORTIONS OF THE SYSTEM ARE VULNERABLE TO DAMAGE IN HIGH RIVER CONDITIONS.

## Scope of Project

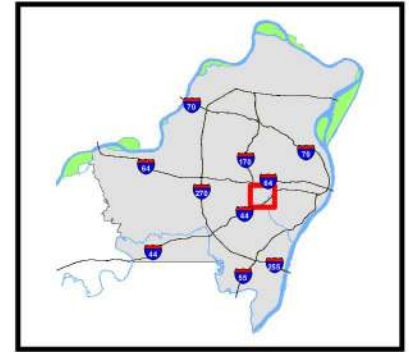
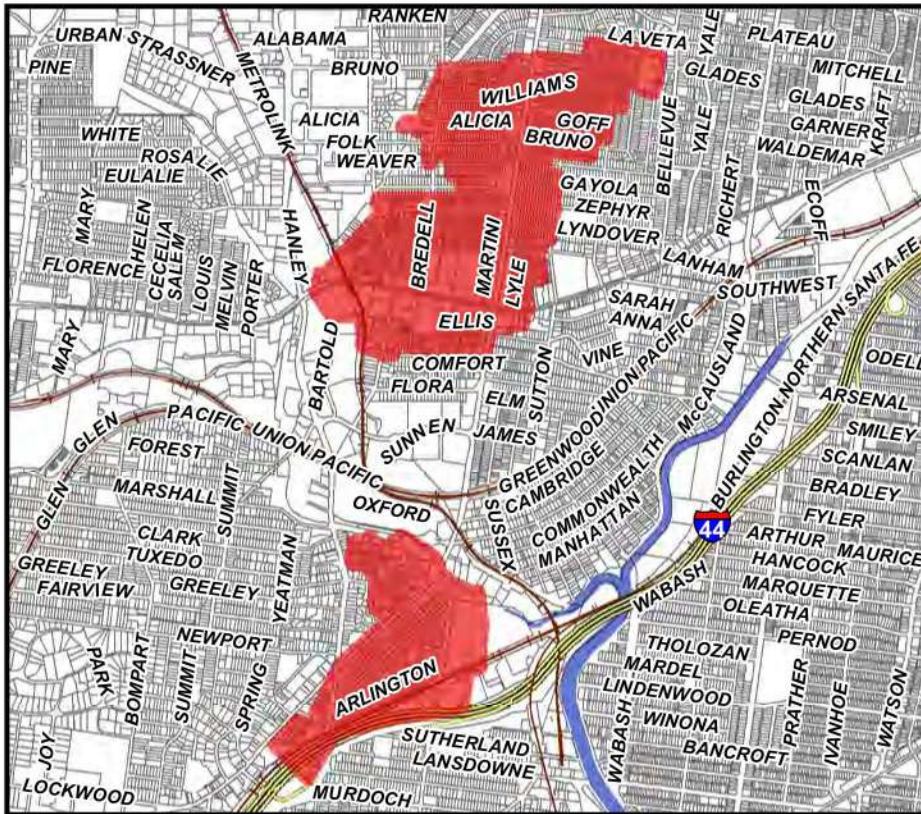
CONSTRUCT 17,000 FEET OF 7 FOOT DIAMETER DEEP TUNNEL, ELIMINATING THE MARTIGNEY (P-306) AND JEFFERSON BARRACKS (P-305) PUMP STATIONS.

## Comments/Remarks

PROJECT TO RECEIVE PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 21 AND FY 22. TOTAL CONSTRUCTION BUDGET IS \$155,000,000.



# LEMAY PUBLIC I/I REDUCTION AND REHABILITATION (2022) CONTRACT A



**FISCAL YEAR:** 2022

**PROJECT NO:** 12590

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

INFLOW AND INFILTRATION CAUSING OVERCHARGED SEWERS.

## BUDGET:

\$2,932,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REHABILITATE 42,000 FEET OF THE PUBLIC SEWER SYSTEM USING THE CURED IN PLACE PIPE METHOD, TO REDUCE PUBLIC I/I AND TO RENEW THE SYSTEM.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

INCLUDES PUBLIC I/I REDUCTION FROM PROJECTS 12328, 12141, AND 12339.

## WATERSHED:

Various

## EXPENSE TYPE:

Capital

# LOUISVILLE AVENUE AND OAKLAND AVENUE COMBINED SEWER RELIEF



**FISCAL YEAR:** 2022

**PROJECT NO:** 12741

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED MAINS.

## BUDGET:

\$2,275,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 950 FEET OF 12-INCH TO 36-INCH RELIEF SEWER, AND 800 FEET OF 96-INCH COMBINED SEWER FOR WET WEATHER STORAGE.

## MUNICIPALITY:

St. Louis City

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

Oakland

## EXPENSE TYPE:

Capital



# LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL



**FISCAL YEAR:** 2022

**PROJECT NO:** 11746

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$48,000,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Meramec

**WATERSHED:**  
Meramec Tributary Areas

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

THE FENTON WWTF IS AN INTERIM FACILITY AND IT'S ELIMINATION IS PART OF THE EAST WEST GATEWAY SECTION 208 REGIONAL WATER QUALITY MANAGEMENT PLAN.

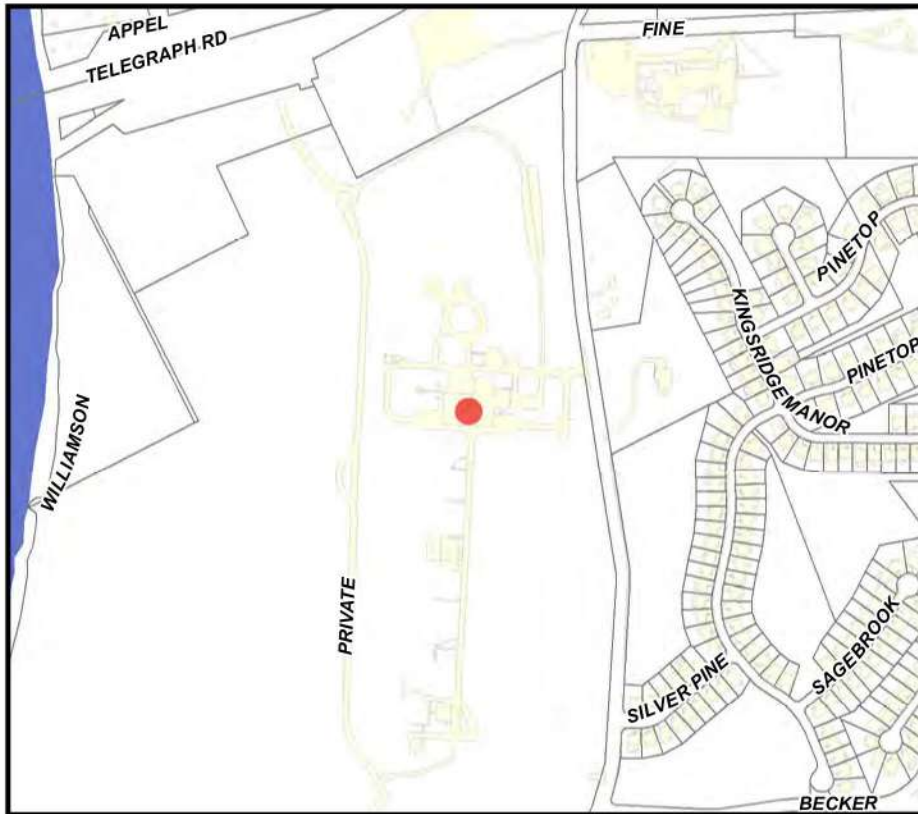
## Scope of Project

CONSTRUCT 36,000 FEET OF 8-FOOT DIAMETER DEEP TUNNEL TO CONVEY WASTEWATER FROM THE FENTON WWTF TO THE BAUMGARTNER TUNNEL, TO ENABLE TREATMENT OF FLOWS AT THE LOWER MERAMEC WWTF.

## Comments/Remarks

PROJECT ELIMINATES PUMP STATIONS P-446 AND P-483. P-489 TO BE ELIMINATED BY SEPARATE PROJECT #10869. TOTAL CONSTRUCTION BUDGET IS \$180,000,000.

# LOWER MERAMEC WWTF - ADMINISTRATION BUILDING FACILITY IMPROVEMENTS



**FISCAL YEAR:** 2022

**PROJECT NO:** 13409

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

PLANT EXPANSION REQUIRES ADDITIONAL STAFF AND WORKSPACE.

## BUDGET:

\$1,800,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

EXPAND ADMINISTRATION BUILDING TO ACCOMMODATE STAFF OFFICES, EXPANDED LOCKER ROOMS, AND CONFERENCE ROOM.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

PROJECT TO BE DESIGNED, BID, AND CONSTRUCTED UNDER PROJECT 12255.

## WATERSHED:

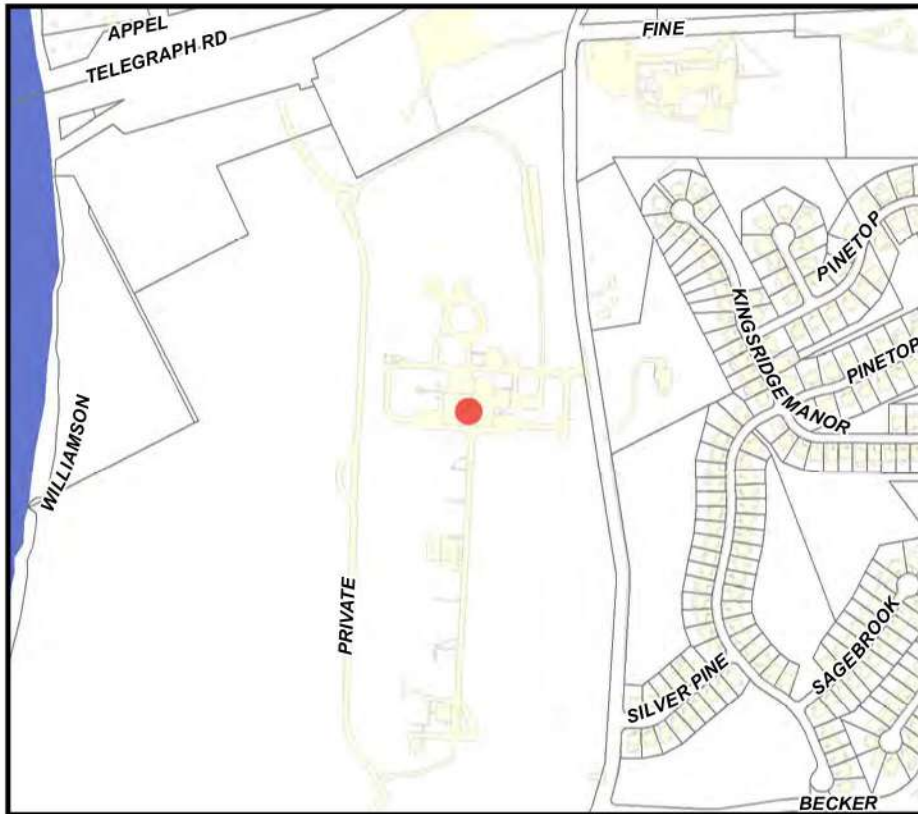
Meramec Tributary Areas

## EXPENSE TYPE:

Capital



# LOWER MERAMEC WWTF - INFLUENT PUMP STATION IMPROVEMENTS



**FISCAL YEAR:** 2022

**PROJECT NO:** 13408

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

PUMPS OPERATING OUT OF PUMP DESIGN CURVE DURING LOW FLOW CONDITIONS, EXCESSIVE WEAR AND TEAR TO PUMPS, VIBRATION ISSUES AND OVERHEATED BEARINGS.

## BUDGET:

\$17,500,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

INSTALL NEW LOW FLOW JOCKEY PUMP AND ASSOCIATED PIPING AND CONTROLS, REPLACE 2 800 HP PUMPS AND IMPROVE DISCHARGE PIPING SUPPORTS, AND IMPROVE VIBRATION ISSUES ASSOCIATED WITH THE EXISTING 3 2,000 HP PUMPS.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

PROJECT TO BE DESIGNED, BID, AND CONSTRUCTED UNDER PROJECT 12255.

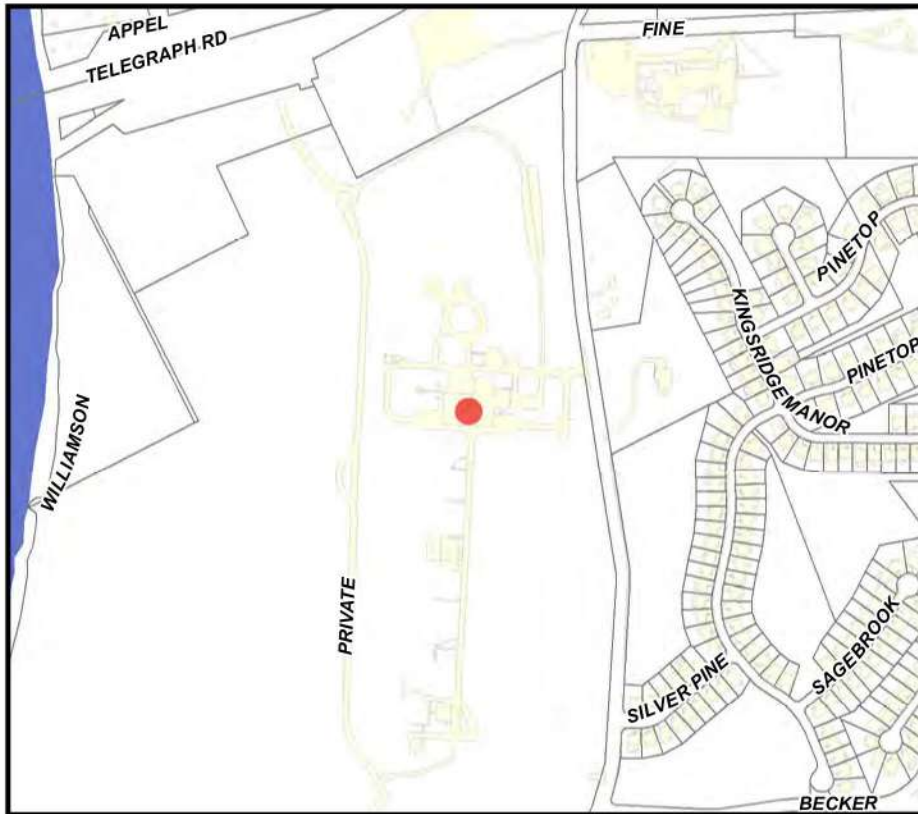
## WATERSHED:

Meramec Tributary Areas

## EXPENSE TYPE:

Capital

# LOWER MERAMEC WWTF - SOLIDS HANDLING EQUIPMENT REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 13407

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

EXISTING EQUIPMENT APPROACHING END OF LIFE AND IN NEED OF REPLACEMENT.

## BUDGET:

\$3,900,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REPLACE EXISTING FINE SCREENS, WASHER COMPACTORS, AND ODOR CONTROL UNIT AT SCREEN SHAFT.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

PROJECT TO BE DESIGNED, BID, AND CONSTRUCTED UNDER PROJECT 12255.

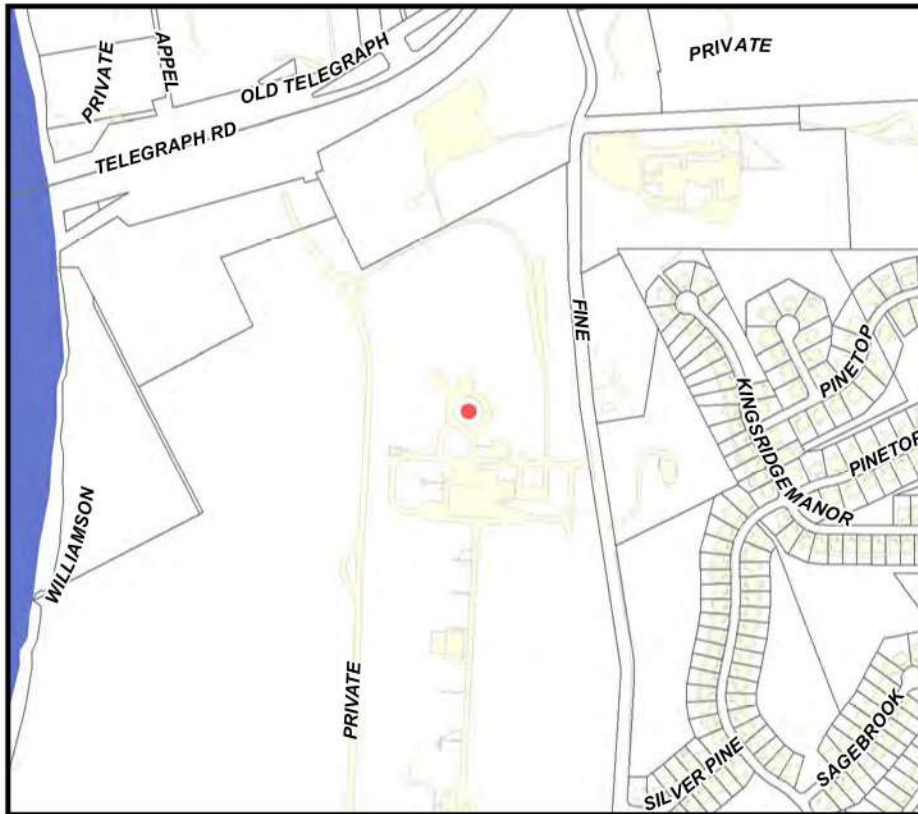
## WATERSHED:

Meramec Tributary Areas

## EXPENSE TYPE:

Capital

# LOWER MERAMEC WWTF CORROSION AND HUMIDITY CONTROL IMPROVEMENTS PHASE II



**FISCAL YEAR:** 2022

**PROJECT NO:** 13518

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

EXCESSIVE HUMIDITY IN SOME AREAS CAUSING CORRODED COMPONENTS.

## BUDGET:

\$2,700,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

APPLY WATERPROOF MEMBRANE ON SHAFT WALLS FROM ELEVATION 318 TO 358, INCLUDING WALL PREPARATION AND NECESSARY JOINT REPAIRS, AND REPLACE CORRODED PIPES AND APPLY PIPE COATINGS.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

PROJECT TO BE BID AND CONSTRUCTED UNDER PROJECT 12255.

## WATERSHED:

Meramec Tributary Areas

## EXPENSE TYPE:

Capital



# LOWER MERAMEC WWTF EXPANSION PHASE II



**FISCAL YEAR:** 2022

**PROJECT NO:** 12255

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

ADDITIONAL FLOW TO THE LOWER MERAMEC WWTF DUE TO ELIMINATION OF THE FENTON WWTF, AND POTENTIAL FUTURE NUTRIENT REMOVAL PERMIT REQUIREMENTS.

## BUDGET:

\$30,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

EXPAND THE EXISTING WWTF TO INCREASE CAPACITY FOR ADDITIONAL FLOW, AND UPGRADE THE FACILITY TO ENABLE ACCOMMODATION OF POTENTIAL NUTRIENT REMOVAL REQUIREMENTS.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

TOTAL CONSTRUCTION BUDGET IS \$89,500,000. ASSET RENEWAL OF DETERIORATING ITEMS AT THE PLANT, BUDGETED AT \$27,700,000, WILL ALSO BE BID WITH 12255.

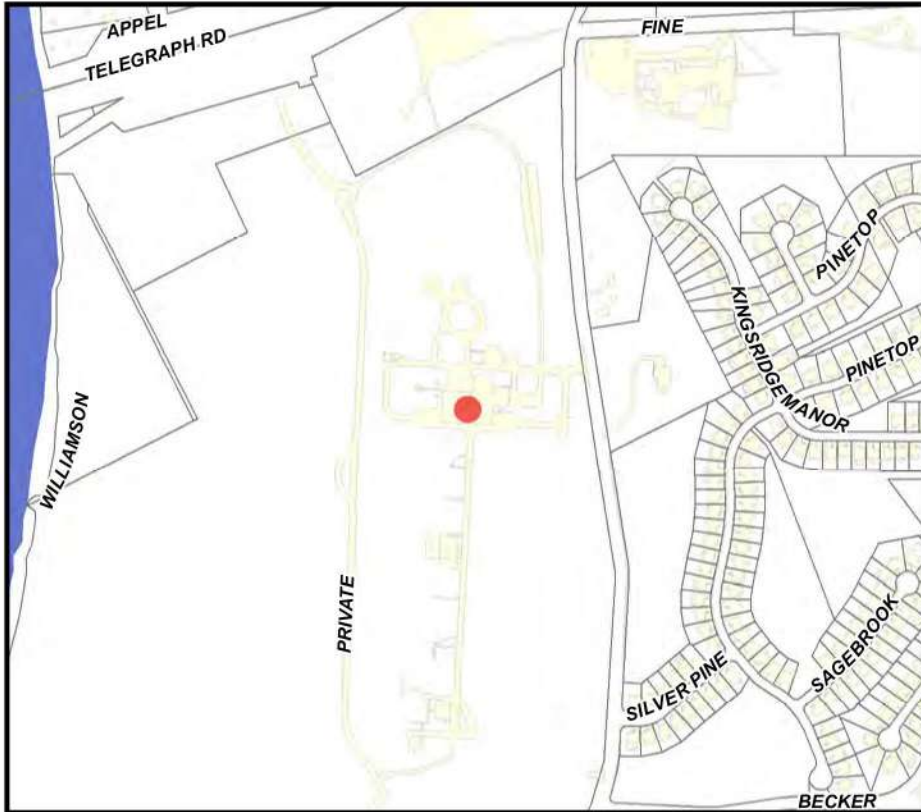
## WATERSHED:

Mississippi River Tributary Areas

## EXPENSE TYPE:

Capital

# LOWER MERAMEC WWTF FITTING REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 13082

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

FITTINGS AND VALVES ARE DETERIORATING AND LEAKING DUE TO SETTLING.

## BUDGET:

\$1,800,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

INSTALL 60-INCH AND 48-INCH FITTINGS AND ISOLATION VALVES ON PRIMARY INFLUENT AND EFFLUENT LINES.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

PROJECT TO BE BID AND CONSTRUCTED UNDER PROJECT 12255.

## WATERSHED:

Meramec Tributary Areas

## EXPENSE TYPE:

Capital



# MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)



**FISCAL YEAR:** 2022

**PROJECT NO:** 10024

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction, Phase II

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$2,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 9,050 FEET OF 8-INCH TO 36-INCH SANITARY SEWER, AND  
ELIMINATE CONSTRUCTED SSO OUTFALL BP-557.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

SUPPLEMENTAL APPROPRIATION IN FY 23. TOTAL BUDGET IS \$8,130,000,  
INCLUDING A \$2M DEVELOPER REIMBURSEMENT TO CONSTRUCT PART  
OF THE PROJECT.

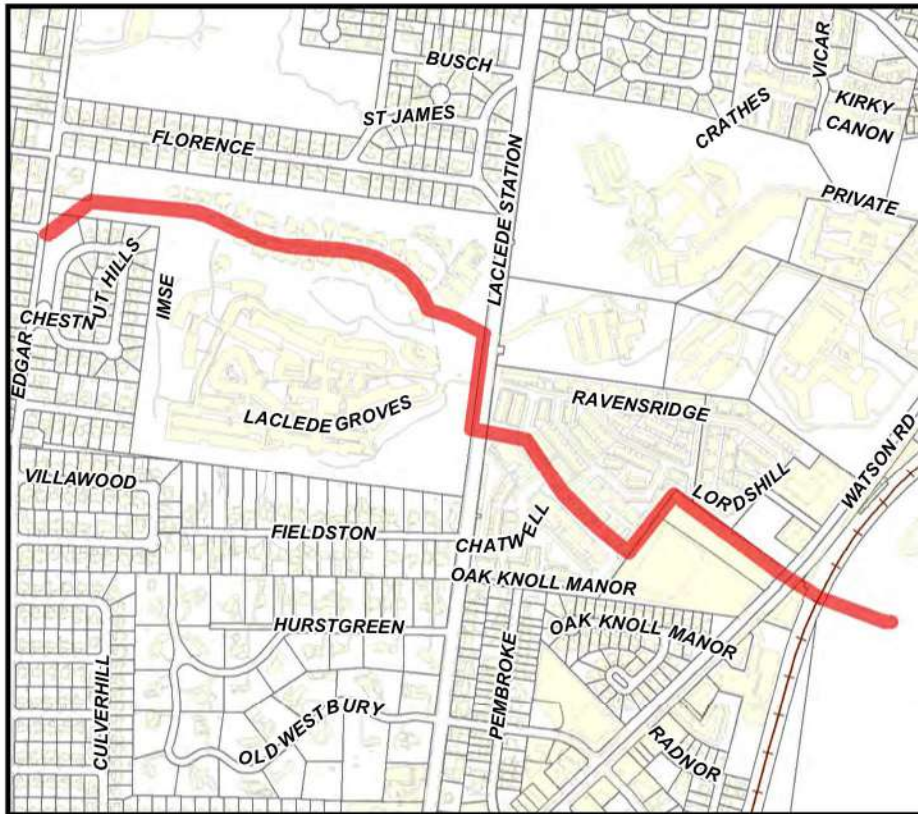
## WATERSHED:

Mackenzie Creek

## EXPENSE TYPE:

Capital

# MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)



**FISCAL YEAR:** 2022

**PROJECT NO:** 10024

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$4,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 9,050 FEET OF 8-INCH TO 36-INCH SANITARY SEWER, AND  
ELIMINATE CONSTRUCTED SSO OUTFALL BP-557.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

SUPPLEMENTAL APPROPRIATION IN FY 23. TOTAL BUDGET IS \$8,130,000,  
INCLUDING A \$2M DEVELOPER REIMBURSEMENT TO CONSTRUCT PART  
OF THE PROJECT.

## WATERSHED:

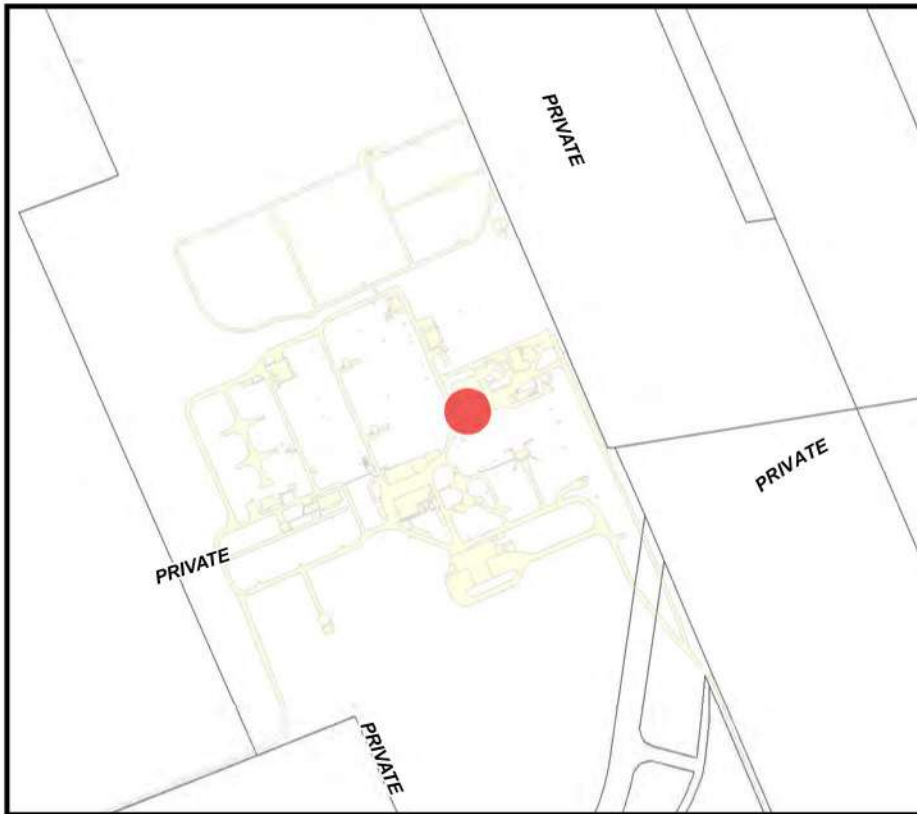
Mackenzie Creek

## EXPENSE TYPE:

Capital



# MISSOURI RIVER WWTF DIGESTER GAS STORAGE COVER REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 13222

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

FLEXIBLE MEMBRANE MATERIAL DEGRADING AND NEARING END OF USEFUL LIFE.

## BUDGET:

\$1,289,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REPLACE TWO MEMBRANE GAS STORAGE COVERS FOR THE ANAEROBIC DIGESTERS.

## MUNICIPALITY:

Maryland Heights

## MAJOR SERVICE AREA:

Missouri

## Comments/Remarks

## WATERSHED:

Missouri River Tributary Areas

## EXPENSE TYPE:

Capital

# OAKWOOD FARMS PUMP STATION (P-470) ELIMINATION



**FISCAL YEAR:** 2022

**PROJECT NO:** 12364

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

PUMP STATION P-470 NEEDS TO BE REPLACED OR ELIMINATED.

## BUDGET:

\$445,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 920 FEET OF 8-INCH SANITARY SEWER. DECOMMISSION AND ABANDON EXISTING PUMP STATION P-470 AND ASSOCIATED FORCEMAIN.

## MUNICIPALITY:

Ballwin

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

## WATERSHED:

Kiefer Creek

## EXPENSE TYPE:

Capital

# PRICE TO PIONEER SANITARY RELIEF



**FISCAL YEAR:** 2022

**PROJECT NO:** 12368

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$4,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 5,665 FEET OF 8-INCH TO 24-INCH SANITARY SEWER.

## MUNICIPALITY:

Olivette

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL  
APPROPRIATION IN FY 23. TOTAL CONSTRUCTION BUDGET IS \$5,744,000.

## WATERSHED:

University City Branch

## EXPENSE TYPE:

Capital



# SCHUETZ ROAD SANITARY RELIEF (FOREST BROOK LN TO SUNNY WOOD CT)



**FISCAL YEAR:** 2022

**PROJECT NO:** 10161

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$753,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 1,033 FEET OF 8-INCH TO 15-INCH SANITARY SEWER.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Missouri

## Comments/Remarks

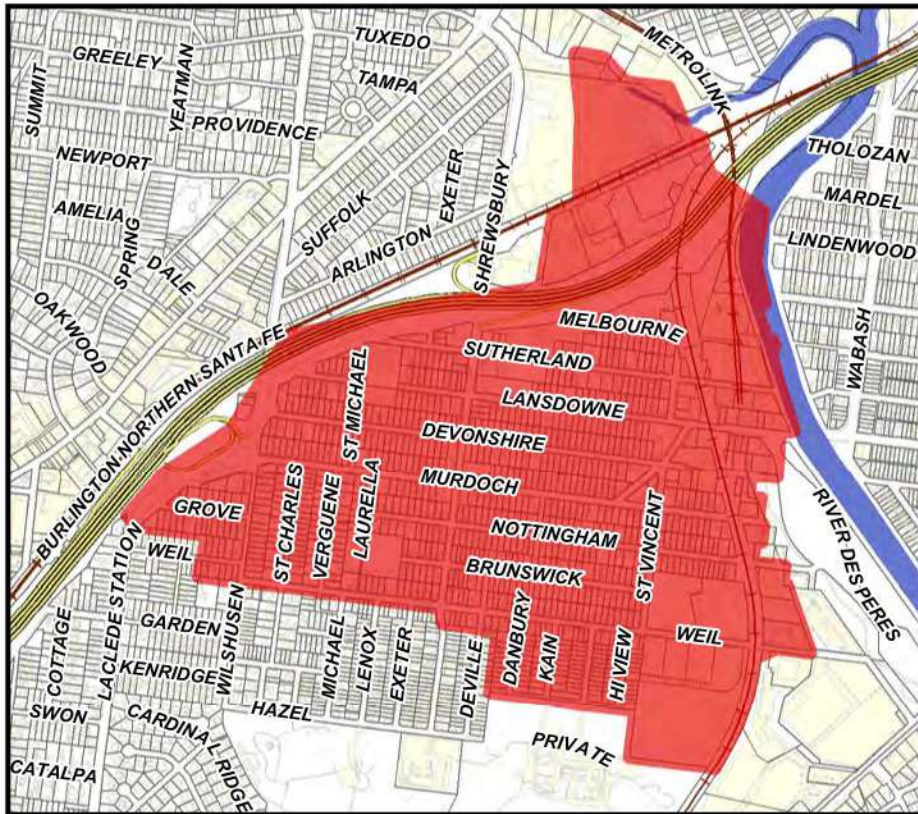
## WATERSHED:

Fee Fee Creek

## EXPENSE TYPE:

Capital

# SHREWSBURY SANITARY RELIEF SEWER AND I/I REDUCTION (WEIL AVE AND I-44)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12201

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$980,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

PERFORM PRIVATE I/I REDUCTION AT 202 PROPERTIES.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

PUBLIC I/I REDUCTION INCLUDED IN PROJECT 12057.

## WATERSHED:

Mackenzie Creek

## EXPENSE TYPE:

Capital



# SOUTH BROADWAY AT MERAMEC COMBINED SEWER REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 10756

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

EXISTING 15-INCH COMBINED SEWER IS DETERIORATED WITH NUMEROUS GRADE CHANGES. LINE HOLDS DEBRIS AND BLOCKS EASILY CAUSING STREET FLOODING.

## BUDGET:

\$1,500,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 1,700 FEET OF 12-INCH TO 30-INCH COMBINED SEWER.

## MUNICIPALITY:

St. Louis City

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

## WATERSHED:

Dakota

## EXPENSE TYPE:

Capital

# ST. GEORGE CREEK SANITARY RELIEF (DAISY LN TO GRAVOIS RD TO NEW HAMPSHIRE AVE)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12212

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.  
CONSTRUCTED SSO OUTFALL BP-404 REQUIRES REMOVAL.

## BUDGET:

\$3,305,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 2,510 FEET OF 8-INCH TO 21-INCH SANITARY SEWER.  
ELIMINATE CONSTRUCTED SSO OUTFALL BP-404.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

Gravois Creek

## EXPENSE TYPE:

Capital



# ST. JACQUES SANITARY RELIEF (ST. JACQUES ST TO N LAFAYETTE ST)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12213

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS. CONSTRUCTED SSO OUTFALL BP-110 REQUIRES REMOVAL.

## BUDGET:

\$155,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 195 FEET OF 8-INCH SANITARY SEWER, REPLACE 154 FEET OF 12-INCH SEWER WITH 15-INCH SEWER, AND ELIMINATE CONSTRUCTED SSO OUTFALL BP-110.

## MUNICIPALITY:

Florissant

## MAJOR SERVICE AREA:

Coldwater

## Comments/Remarks

PUBLIC I/I REDUCTION INCLUDED IN PROJECT 12509.

## WATERSHED:

Coldwater Creek

## EXPENSE TYPE:

Capital

# SUB-TRUNK #2 SANITARY RELIEF (BIRMINGHAM CT TO COVE LN)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12221

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS. CONSTRUCTED SSO OUTFALLS BP-210, BP-211 AND BP-213 REQUIRE REMOVAL.

## BUDGET:

\$2,515,000

## FUND:

6660 - Sanitary Replacement Fund

## Scope of Project

CONSTRUCT 4,400 FEET OF 18-INCH TO 21-INCH SANITARY SEWER. CONTINGENCY PROJECT TO ELIMINATE CONSTRUCTED SSO OUTFALLS BP-210, BP-211 AND BP-213.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

## WATERSHED:

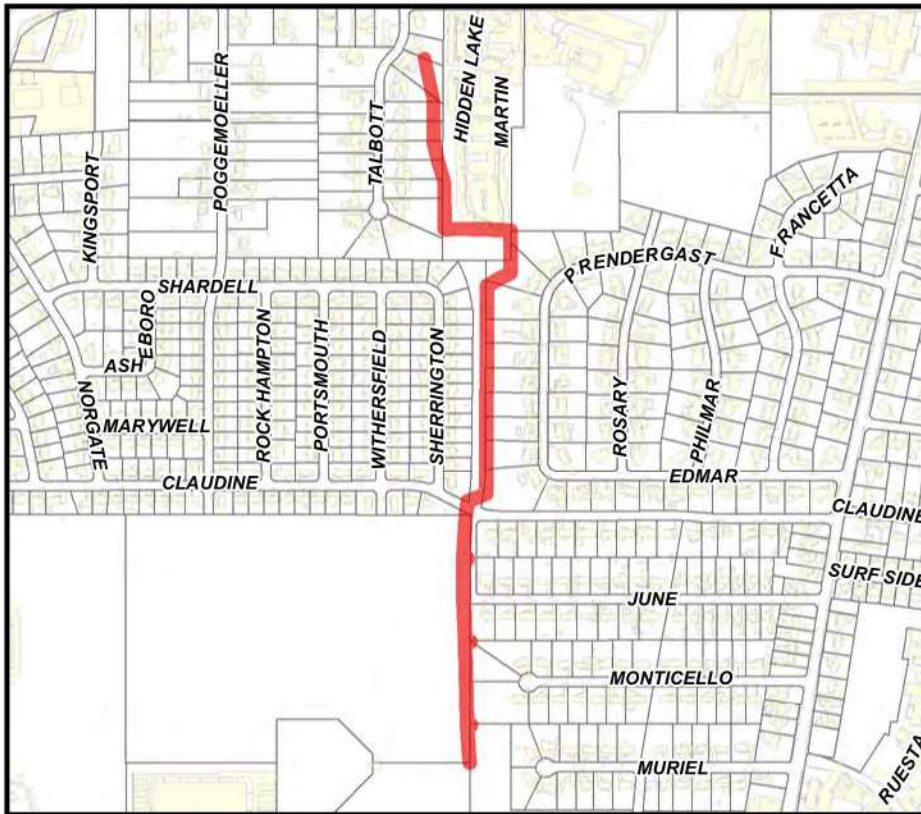
Watkins Creek

## EXPENSE TYPE:

Capital



# SUB-TRUNK #3 SANITARY RELIEF (MURIEL DR TO JENNER LN)



**FISCAL YEAR:** 2022

**PROJECT NO:** 11669

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.  
CONSTRUCTED SSO OUTFALL BP-214 REQUIRES REMOVAL.

## BUDGET:

\$1,905,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 4,300 FEET OF 8-INCH TO 27-INCH SANITARY SEWER.  
CONTINGENCY PROJECT TO ELIMINATE CONSTRUCTED SSO OUTFALL  
BP-214.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

## WATERSHED:

Watkins Creek

## EXPENSE TYPE:

Capital

# TREVILLIAN 20 AND 50 SANITARY SEWER REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 13361

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND DETERIORATING SEWER.

## BUDGET:

\$435,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REPLACE 360 FEET OF 6-INCH VCP WITH 8-INCH SEWER.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

Gravois Creek

## EXPENSE TYPE:

Capital



# WASHINGTON TERRACE 14 SEWER REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 13292

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

CRACKED AND BROKEN PIPE.

## BUDGET:

\$279,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REPLACE 100 FEET OF 15-INCH COMBINED SEWER.

## MUNICIPALITY:

St. Louis City

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

Mississippi River Tributary Areas

## EXPENSE TYPE:

Capital



# **WATKINS CREEK PUMP STATION (P-101) FORCEMAIN REPLACEMENT (COAL BANK RD TO SPRING GARDEN DR)**



**FISCAL YEAR:** 2022

**PROJECT NO:** 12922

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$1,600,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
St. Louis City

**MAJOR SERVICE AREA:**  
Bissell

**WATERSHED:**  
Watkins Creek

**EXPENSE TYPE:**  
Capital

## **Description of Problem/Issue**

EXISTING FORCEMAIN HAS EXTENSIVE DAMAGE CAUSED BY HYDROGEN SULFIDE AND AIR POCKETS.

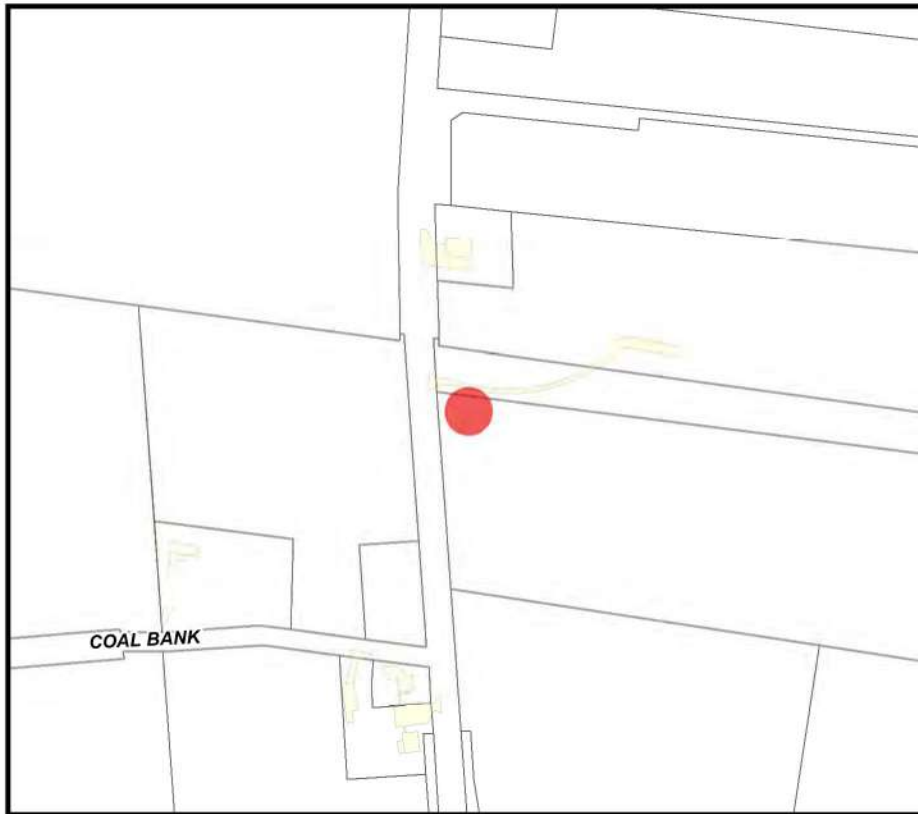
## **Scope of Project**

CONSTRUCT 10,100 FEET OF 20-INCH FORCEMAIN.

## **Comments/Remarks**

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 22. TOTAL CONSTRUCTION BUDGET IS \$5,600,000. REPLACES CAPACITY PROJECT 12254.

# WATKINS CREEK PUMP STATION (P-101) REPLACEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 12491

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$2,900,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Unincorporated

**MAJOR SERVICE AREA:**  
Bissell

**WATERSHED:**  
Watkins Creek

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

AGING MECHANICAL AND ELECTRICAL SYSTEMS, SECONDARY CONTAINMENT IS NEEDED FOR ON-SITE CHEMICALS, AND CURRENT LOCATION IS SUBJECT TO FREQUENT FLOODING.

## Scope of Project

CONSTRUCT NEW SUBMERSIBLE PUMP STATION AT AN ALTERNATE LOCATION OUTSIDE OF THE FLOODPLAIN.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 22. TOTAL CONSTRUCTION BUDGET IS \$7,900,000. REPLACES CAPACITY PROJECT 12254.

**WASTEWATER CONTINUED PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>REASON PROJECT CONTINUED</u></b>	<b><u>COST ESTIMATE</u></b>
11796	HARLEM BADEN RELIEF PHASE IV (HEBERT) - HAMILTON TO DARVER TRUNK SEWER	PROJECT CONTINUED DUE TO COORDINATION WITH PROPERTY OWNERS. ANTICIPATE BOARD INTRODUCTION IN MARCH 2022.	\$6,000,000
11678	WEBSTER GROVES TRUNK E SANITARY REHABILITATION AND I/I REDUCTION PHASE IV PART 3	PROJECT CONTINUED DUE TO COORDINATION WITH PROPERTY OWNERS. ANTICIPATE BOARD INTRODUCTION IN SEPTEMBER 2021.	\$1,300,000
<b><i>TOTAL:</i></b>			<b><u>\$7,300,000</u></b>

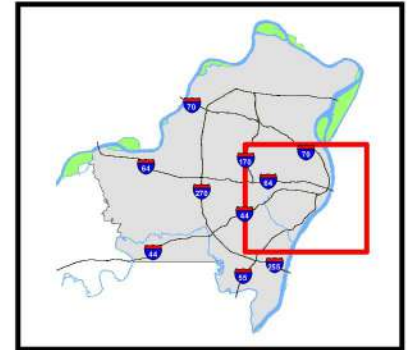
**WASTEWATER CONTINGENCY PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
12565	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	\$101,000,000	125
12248	CAULKS CREEK A PUMP STATION (P-750) IMPROVEMENTS	\$3,516,000	126
11146	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE	\$5,000,000	127
13078	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES	\$3,000,000	128
11796	HARLEM BADEN RELIEF PHASE IV (HEBERT) - HAMILTON TO DARVER TRUNK SEWER	\$3,300,000	129
13548	HARLEM BADEN RELIEF PHASE IV (HEBERT) - SEWER REHABILITATION	\$2,768,000	130
13231	HARLEM CITYSHED MITIGATION BASINS (ASHLAND AND ESSEX)	\$4,000,000	131
13596	LEMAY 1 PUMP STATION (P-301) COOLING TOWER REPLACEMENT	\$650,000	132
13510	LINDWORTH STORM SEWER SEPARATION	\$1,600,000	133
13510	LINDWORTH STORM SEWER SEPARATION	\$400,000	134
11746	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	\$48,000,000	135
12255	LOWER MERAMEC WWTF EXPANSION PHASE II	\$30,000,000	136
10024	MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	\$2,130,000	137
10715	NEW ENGLAND TOWN CLIFF CAVE PUMP STATION (P-323) IMPROVEMENTS	\$4,000,000	138
13566	PUMP STATION MANLIFT REPLACEMENT	\$2,400,000	139
12218	STONINGTON PLACE SANITARY RELIEF (CLAYTON RD TO GEORGIAN ACRES ST)	\$300,000	140
12262	VALLEY VIEW PUMP STATION (P-734) REPLACEMENT	\$380,000	141

**WASTEWATER CONTINGENCY PROJECTS - FY23****PROJECT  
NUMBER****PROJECT NAME****COST ESTIMATE****PAGE*****TOTAL:*** \$212,444,000



# BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS



**FISCAL YEAR:** 2023

**PROJECT NO:** 12565

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

LONG TERM SOLUTION FOR SOLIDS HANDLING AT TREATMENT FACILITIES IS NEEDED.

**BUDGET:**  
\$101,000,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT FLUIDIZED BED INCINERATORS AT THE BISSELL AND LEMAY WASTEWATER TREATMENT FACILITIES, TO INCLUDE REDUNDANT SLUDGE ACCEPTANCE SYSTEMS AND SOLIDS HANDLING SYSTEM IMPROVEMENTS.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

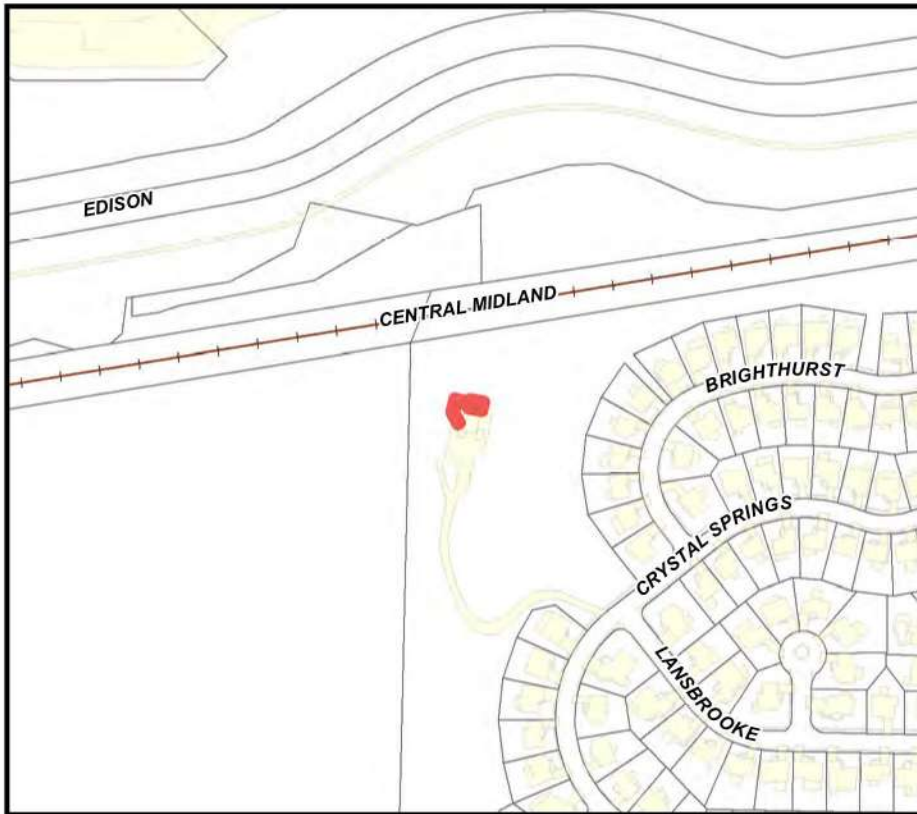
## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FUTURE FISCAL YEARS. TOTAL CONSTRUCTION BUDGET IS \$515,000,000.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Capital

# CAULKS CREEK A PUMP STATION (P-750) IMPROVEMENTS



**FISCAL YEAR:** 2023

**PROJECT NO:** 12248

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$3,516,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Chesterfield

**MAJOR SERVICE AREA:**  
Missouri

**WATERSHED:**  
Caulks Creek

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

EXISTING PUMP STATION IS DETERIORATING AND REQUIRES IMPROVEMENT.

## Scope of Project

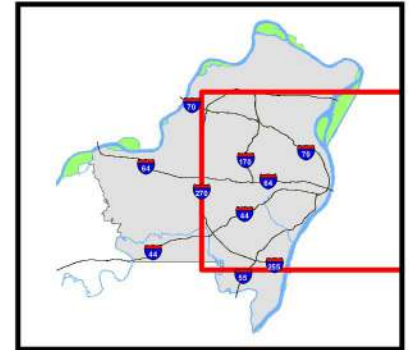
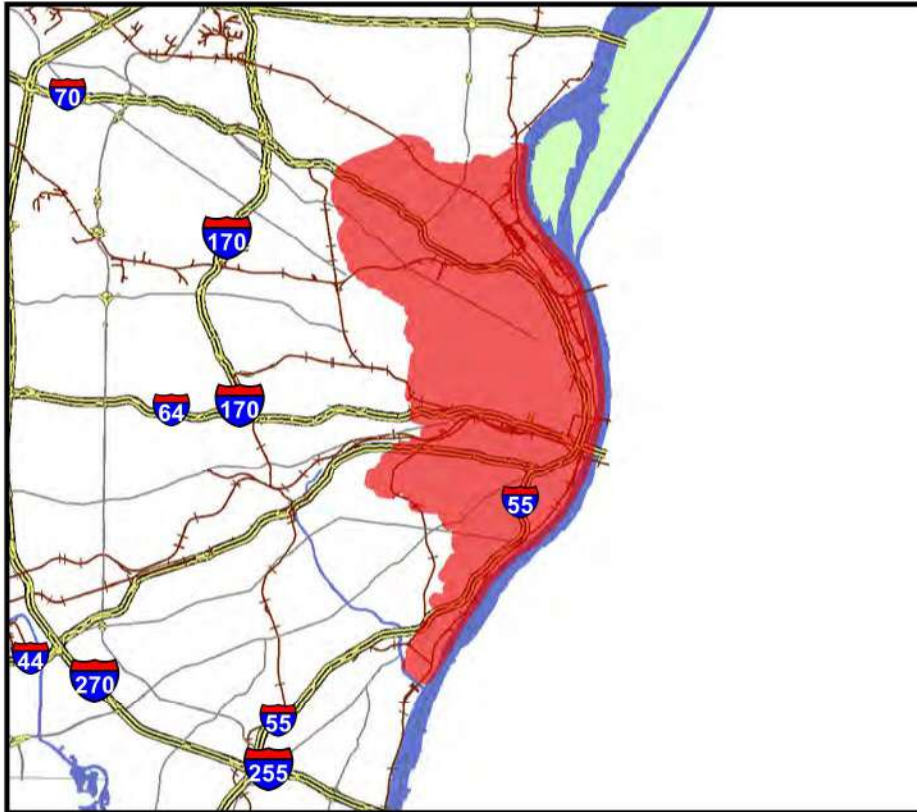
CONSTRUCT IMPROVEMENTS TO PUMP STATION P-750.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 23. TOTAL BUDGET IS \$8,516,000.



# CSO VOLUME REDUCTION GREEN INFRASTRUCTURE



**FISCAL YEAR:** 2023

**PROJECT NO:** 11146

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

CONTROL AND REDUCTION OF COMBINED SEWER OVERFLOWS AS REQUIRED BY THE CONSENT DECREE.

## BUDGET:

\$5,000,000

## FUND:

1101 - General Fund

## Scope of Project

INSTALLATION OF GREEN SOURCE CONTROL DEVICES TO REDUCE STORMWATER VOLUMES ENTERING THE COMBINED SEWER SYSTEM IN THE MISSISSIPPI WATERSHED.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

THIS PROJECT TO BE IMPLEMENTED IN COOPERATION WITH THE CITY OF ST. LOUIS AND OTHER AGENCIES. MAY INCLUDE CAPITAL AND NON-CAPITAL SERVICES.

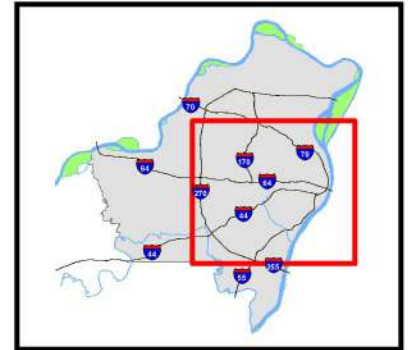
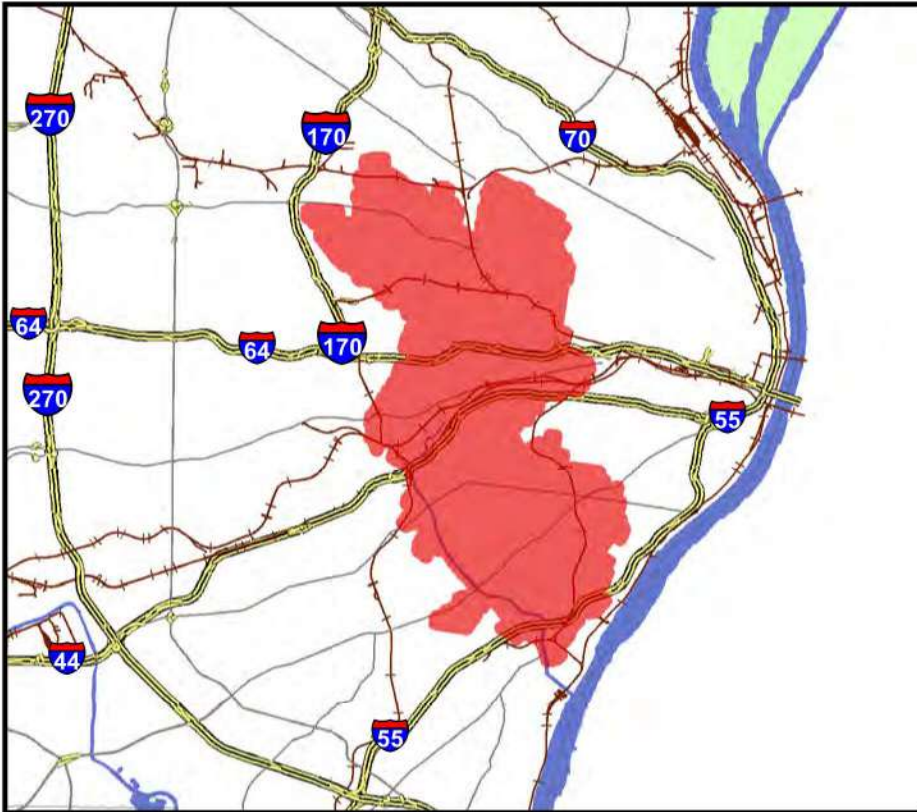
## WATERSHED:

Mississippi River Tributary Areas

## EXPENSE TYPE:

Non-recurring

# CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES



**FISCAL YEAR:** 2023

**PROJECT NO:** 13078

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

CONTROL AND REDUCTION OF COMBINED SEWER OVERFLOWS AS REQUIRED BY THE CONSENT DECREE.

## BUDGET:

\$3,000,000

## FUND:

1101 - General Fund

## Scope of Project

INSTALLATION OF GREEN SOURCE CONTROL DEVICES TO REDUCE STORMWATER VOLUMES ENTERING THE COMBINED SEWER SYSTEM IN THE RIVER DES PERES WATERSHED.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

THIS PROJECT TO BE IMPLEMENTED IN COOPERATION WITH THE CITY OF ST. LOUIS AND OTHER AGENCIES. MAY INCLUDE CAPITAL AND NON-CAPITAL SERVICES.

## WATERSHED:

River Des Peres

## EXPENSE TYPE:

Non-recurring



# HARLEM BADEN RELIEF PHASE IV (HEBERT) - HAMILTON TO DARVER TRUNK SEWER



**FISCAL YEAR:** 2023

**PROJECT NO:** 11796

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$3,300,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Bissell

**WATERSHED:**  
Bissell

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

BUILDING BACKUPS AND FLOODING DUE TO OVERCHARGED  
COMBINED SEWERS.

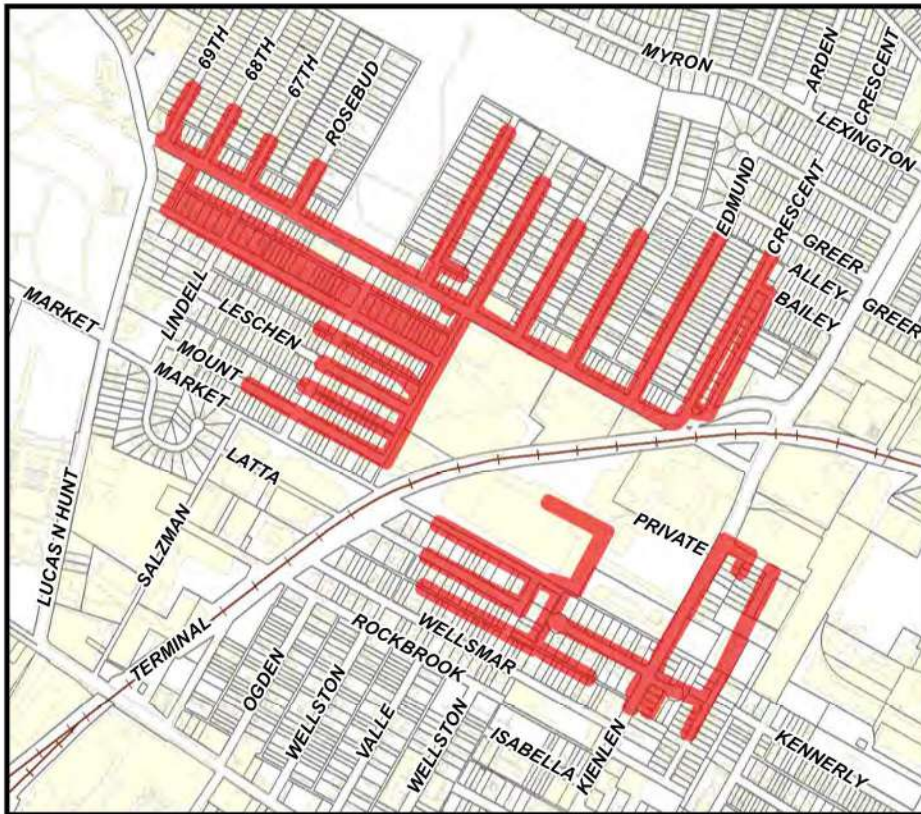
## Scope of Project

CONSTRUCT 3,660 FEET OF 12-INCH TO 108-INCH STORM AND  
COMBINED SEWERS, AND 900 FEET OF PIPE IN TUNNEL.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL  
APPROPRIATION IN FY 23. TOTAL CONSTRUCTION BUDGET IS \$9,300,000.

# HARLEM BADEN RELIEF PHASE IV (HEBERT) - SEWER REHABILITATION



**FISCAL YEAR:** 2023

**PROJECT NO:** 13548

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND FLOODING DUE TO OVERCHARGED  
COMBINED SEWERS.

## BUDGET:

\$2,768,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REHABILITATE 26,000 FEET OF THE PUBLIC SEWER SYSTEM USING THE  
CURED IN PLACE METHOD.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

THIS PROJECT MAY BE CONSTRUCTED BY THE CORPS OF ENGINEERS  
UNDER A COOPERATIVE AGREEMENT WITH THE DISTRICT.

## WATERSHED:

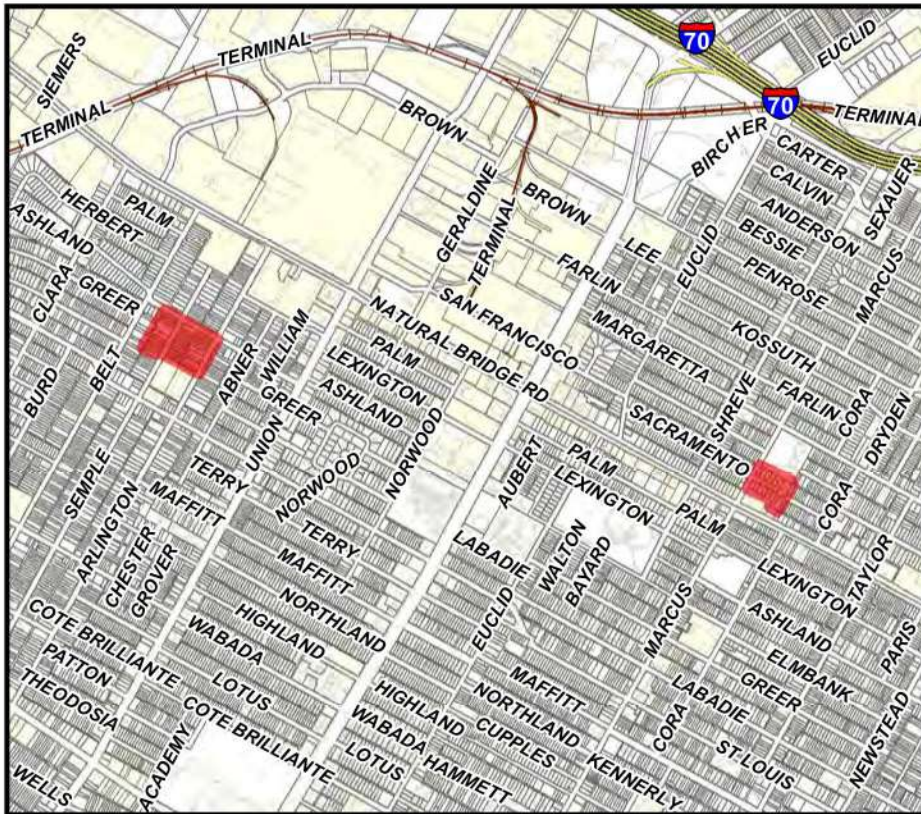
Various

## EXPENSE TYPE:

Capital



# HARLEM CITYSHED MITIGATION BASINS (ASHLAND AND ESSEX)



**FISCAL YEAR:** 2023

**PROJECT NO:** 13231

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

BUILDING BACKUPS AND STREET FLOODING.

## BUDGET:

\$4,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 2 STORMWATER DETENTION BASINS, AND 2 RAIN  
GARDENS.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL  
APPROPRIATION IN FY 24. TOTAL BUDGET IS \$6,200,000.

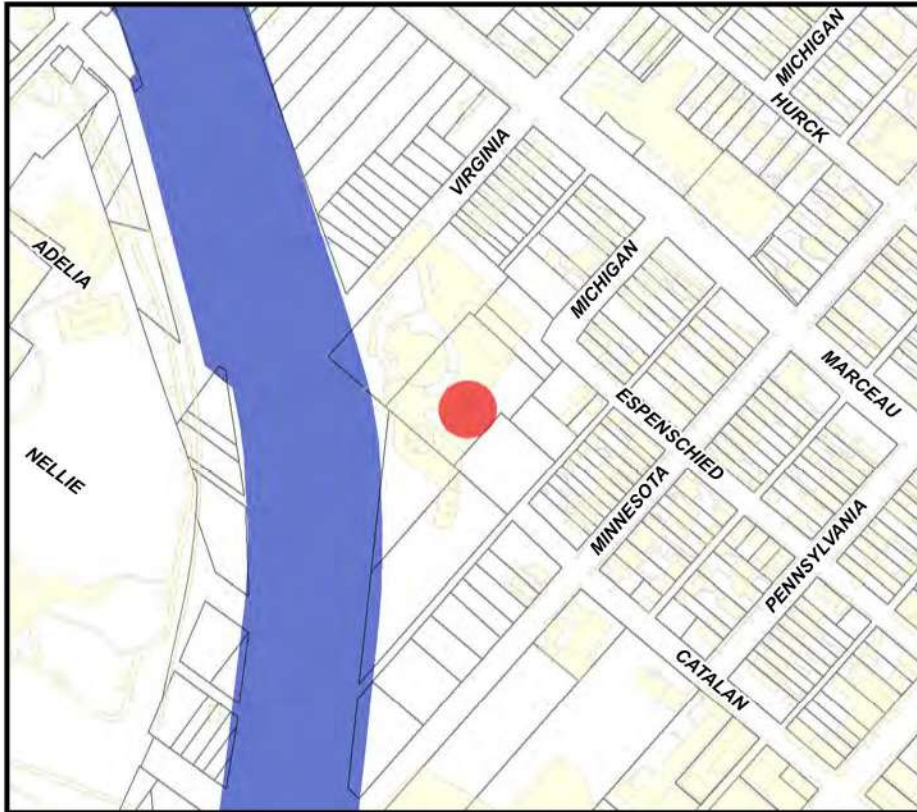
## WATERSHED:

Harlem

## EXPENSE TYPE:

Capital

# LEMAY 1 PUMP STATION (P-301) COOLING TOWER REPLACEMENT



**FISCAL YEAR:** 2023

**PROJECT NO:** 13596

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

COOLING TOWERS, AND RELATED PIPING AND VALVES ARE OVER 30 YEARS OLD AND AT THE END OF THEIR USEFUL LIFE.

## BUDGET:

\$650,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REMOVE AND REPLACE EXISTING COOLING TOWERS, PIPING, AND VALVES

## MUNICIPALITY:

St. Louis City

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

Lemay Creek

## EXPENSE TYPE:

Capital



# LINDWORTH STORM SEWER SEPARATION



**FISCAL YEAR:** 2023

**PROJECT NO:** 13510

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS. STREET AND STRUCTURE FLOODING FOR MUNICIPALITY'S PORTION OF PROJECT.

## BUDGET:

\$1,600,000

## FUND:

5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT 1,070 FEET OF 21-INCH TO 48-INCH STORM SEWER, AND PERFORM PRIVATE I/I REDUCTION AT TWO PROPERTIES.

## MUNICIPALITY:

Ladue

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

STORMWATER PORTION OF PROJECT BEING DONE AT THE REQUEST OF AND TO BE REIMBURSED BY THE CITY OF LAUDE UNDER A COOPERATIVE AGREEMENT WITH THE DISTRICT.

## WATERSHED:

Deer Creek

## EXPENSE TYPE:

Capital



# LINDWORTH STORM SEWER SEPARATION



**FISCAL YEAR:** 2023

**PROJECT NO:** 13510

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS. STREET AND STRUCTURE FLOODING FOR MUNICIPALITY'S PORTION OF PROJECT.

## BUDGET:

\$400,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 1,070 FEET OF 21-INCH TO 48-INCH STORM SEWER, AND PERFORM PRIVATE I/I REDUCTION AT TWO PROPERTIES.

## MUNICIPALITY:

Ladue

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

STORMWATER PORTION OF PROJECT BEING DONE AT THE REQUEST OF AND TO BE REIMBURSED BY THE CITY OF LAUDE UNDER A COOPERATIVE AGREEMENT WITH THE DISTRICT.

## WATERSHED:

Deer Creek

## EXPENSE TYPE:

Capital

# LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL



**FISCAL YEAR:** 2023

**PROJECT NO:** 11746

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$48,000,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Meramec

**WATERSHED:**  
Meramec Tributary Areas

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

THE FENTON WWTF IS AN INTERIM FACILITY AND IT'S ELIMINATION IS PART OF THE EAST WEST GATEWAY SECTION 208 REGIONAL WATER QUALITY MANAGEMENT PLAN.

## Scope of Project

CONSTRUCT 36,000 FEET OF 8-FOOT DIAMETER DEEP TUNNEL TO CONVEY WASTEWATER FROM THE FENTON WWTF TO THE BAUMGARTNER TUNNEL, TO ENABLE TREATMENT OF FLOWS AT THE LOWER MERAMEC WWTF.

## Comments/Remarks

PROJECT ELIMINATES PUMP STATIONS P-446 AND P-483. P-489 TO BE ELIMINATED BY SEPARATE PROJECT #10869. TOTAL CONSTRUCTION BUDGET IS \$180,000,000.



# LOWER MERAMEC WWTF EXPANSION PHASE II



**FISCAL YEAR:** 2023

**PROJECT NO:** 12255

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$30,000,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Unincorporated

**MAJOR SERVICE AREA:**  
Meramec

**WATERSHED:**  
Mississippi River Tributary Areas

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

ADDITIONAL FLOW TO THE LOWER MERAMEC WWTF DUE TO ELIMINATION OF THE FENTON WWTF, AND POTENTIAL FUTURE NUTRIENT REMOVAL PERMIT REQUIREMENTS.

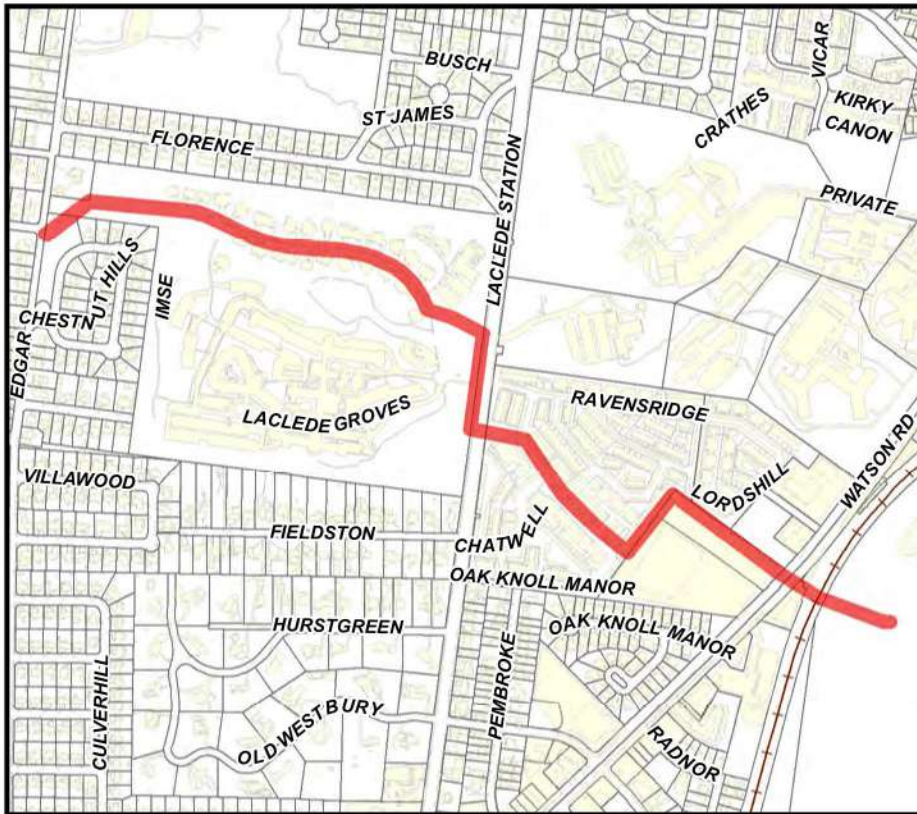
## Scope of Project

EXPAND THE EXISTING WWTF TO INCREASE CAPACITY FOR ADDITIONAL FLOW, AND UPGRADE THE FACILITY TO ENABLE ACCOMMODATION OF POTENTIAL NUTRIENT REMOVAL REQUIREMENTS.

## Comments/Remarks

TOTAL CONSTRUCTION BUDGET IS \$89,500,000. ASSET RENEWAL OF DETERIORATING ITEMS AT THE PLANT, BUDGETED AT \$27,700,000, WILL ALSO BE BID WITH 12255.

# MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)



**FISCAL YEAR:** 2023

**PROJECT NO:** 10024

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction  
(Supplemental  
Appropriation)

**BUDGET:**  
\$2,130,000

**FUND:**  
6660 - Sanitary  
Replacement Fund

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Lemay/RDP

**WATERSHED:**  
Mackenzie Creek

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

BUILDING BACKUPS AND OVERCHARGED SANITARY SEWERS.

## Scope of Project

CONSTRUCT 9,050 FEET OF 8-INCH TO 36-INCH SANITARY SEWER, AND ELIMINATE CONSTRUCTED SSO OUTFALL BP-557.

## Comments/Remarks

SUPPLEMENTAL APPROPRIATION IN FY 23. TOTAL BUDGET IS \$8,130,000, INCLUDING A \$2M DEVELOPER REIMBURSEMENT TO CONSTRUCT PART OF THE PROJECT.



# NEW ENGLAND TOWN CLIFF CAVE PUMP STATION (P-323) IMPROVEMENTS



**FISCAL YEAR:** 2023

**PROJECT NO:** 10715

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

PUMP STATION IS AT THE END OF ITS LIFE CYCLE. DETERIORATED SANITARY AND STORM SEWERS.

## BUDGET:

\$4,000,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 3,500 FEET OF 8-INCH TO 12-INCH SANITARY SEWER, 1,600 FEET OF 6-INCH FORCEMAIN, AND REPLACE SANITARY PUMP STATION P-323.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

THIS PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 24. TOTAL CONSTRUCTION BUDGET IS \$5,600,000.

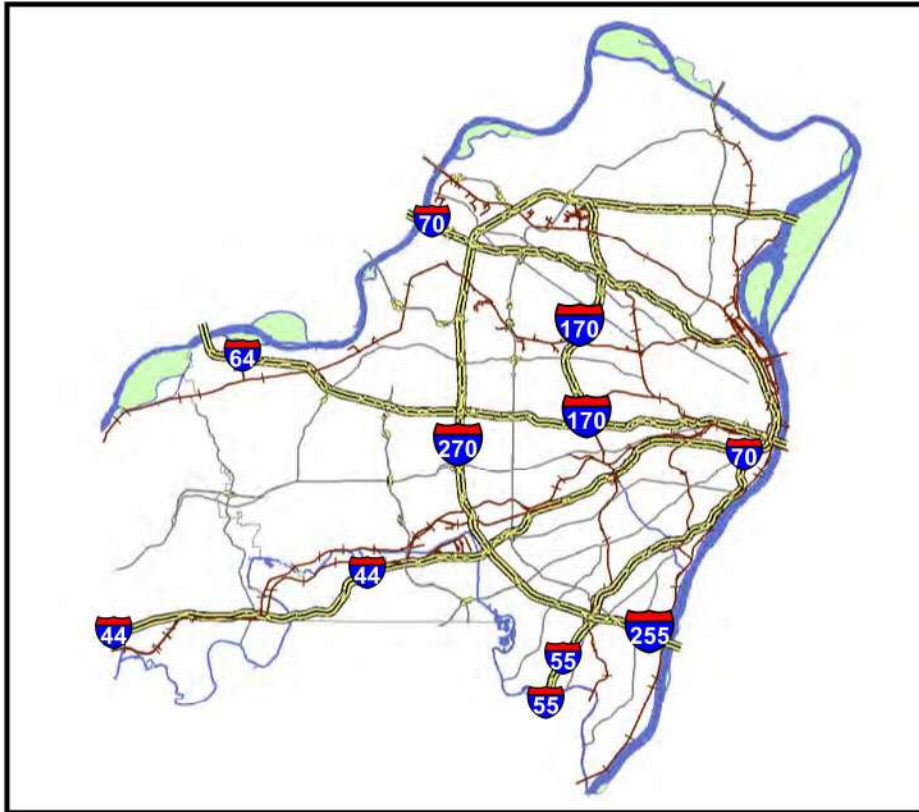
## WATERSHED:

Martigney Creek

## EXPENSE TYPE:

Capital

# PUMP STATION MANLIFT REPLACEMENT



**FISCAL YEAR:** 2023

**PROJECT NO:** 13566

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

STATE INSPECTION VIOLATIONS AND DETERIORATING EQUIPMENT.

## BUDGET:

\$2,400,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REPLACE MANLIFTS IN VARIOUS PUMP STATIONS.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

## WATERSHED:

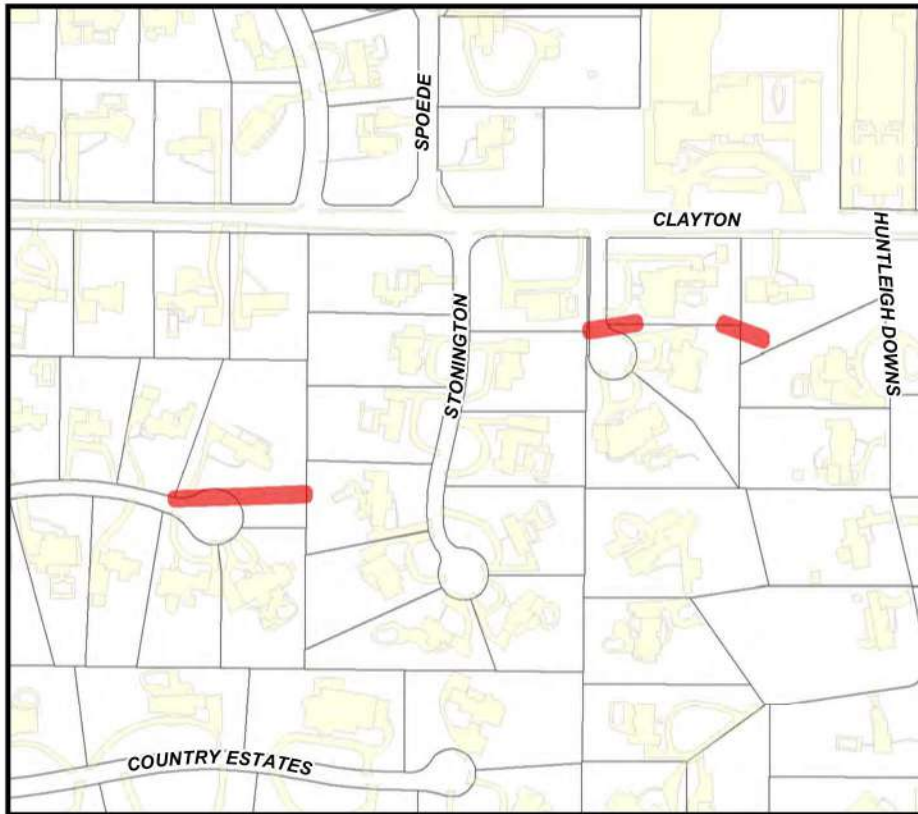
Various

## EXPENSE TYPE:

Capital



# STONINGTON PLACE SANITARY RELIEF (CLAYTON RD TO GEORGIAN ACRES ST)



**FISCAL YEAR:** 2023

**PROJECT NO:** 12218

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

OVERCHARGED SANITARY SEWERS.

## BUDGET:

\$300,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

CONSTRUCT 238 FEET OF 12-INCH SANITARY SEWER.

## MUNICIPALITY:

Frontenac

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

PUBLIC I/I REDUCTION INCLUDED IN PROJECT 12042.

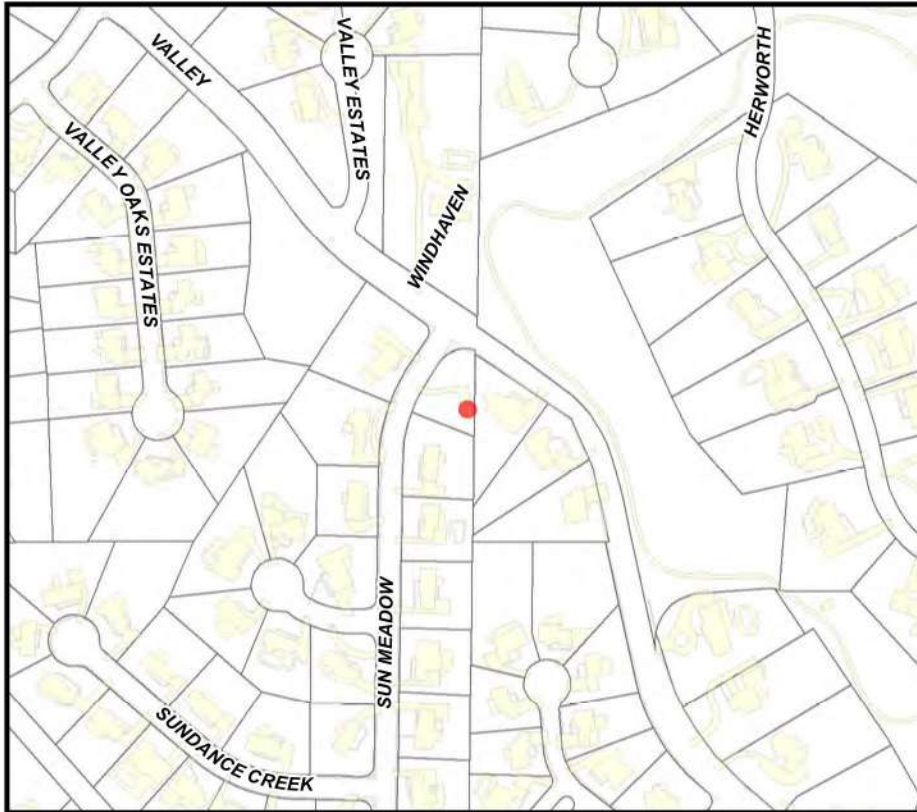
## WATERSHED:

Deer Creek

## EXPENSE TYPE:

Capital

# VALLEY VIEW PUMP STATION (P-734) REPLACEMENT



**FISCAL YEAR:** 2023

**PROJECT NO:** 12262

**PROJECT TYPE:**  
Wastewater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

PUMP STATION P-734 NEEDS REPLACEMENT TO MEET SERVICE LEVEL DEMANDS.

## BUDGET:

\$380,000

## FUND:

6660 - Sanitary  
Replacement Fund

## Scope of Project

REPLACE PUMP STATION P-734.

## MUNICIPALITY:

Wildwood

## MAJOR SERVICE AREA:

Missouri

## Comments/Remarks

## WATERSHED:

Caulks Creek

## EXPENSE TYPE:

Capital

**WASTEWATER PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b>1101 - GENERAL FUND</b>				
12000	Vendor Services	CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2020)	Various	\$2,500,000
12907	Vendor Services	CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2020)	Various	\$1,700,000
11146	Construction	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE	Various	\$5,000,000
13078	Construction	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES	Various	\$3,000,000
12801	Vendor Services	FLOW METERING AND MONITORING (2022)	Various	\$2,500,000
13087	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT A	Various	\$75,000
13088	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT B	Various	\$75,000
13089	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT C	Various	\$75,000
13090	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT D	Various	\$75,000
11109	Professional Services	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$150,000
12006	Vendor Services	RADAR RAINFALL DATA (2020)	Various	\$150,000
11153	Professional Services	RDP TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$600,000
13608	Professional Services	ST. LOUIS COMBINED SEWER OVERFLOWS PROGRAM - CORPS OF ENGINEERS - PHASE II	Various	\$10,000
10766	Vendor Services	STREAM FLOW GAUGE OPERATION AND MAINTENANCE (USGS)	Various	\$540,000
12004	Vendor Services	STREAM FLOW WATER QUALITY SAMPLING (2020)	Various	\$270,000
13436	Pre-Design Services	WET WEATHER OPTIMIZATION STUDY	Various	\$1,500,000
<b>FUND TOTAL:</b>				<b>\$18,220,000</b>
<b>5120 - DISTRICTWIDE STORMWATER FUND</b>				
12110	Construction	CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	Northwoods	\$320,000
12753	Construction	CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT	Hazelwood	\$60,000

**WASTEWATER PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
			<b><i>FUND TOTAL:</i></b>	<b>\$380,000</b>
<b>6660 - SANITARY REPLACEMENT FUND</b>				
12079	Design Services	ARV ELLEN SANITARY RELIEF (TESSON CREEK ESTATES DR TO MADAFORD LN)	Unincorporated	\$95,000
12847	Construction	BADEN CITYSHED MITIGATION BASINS (CALVARY, FREDERIK, PARTRIDGE AND TILLIE) - SEPARATION SEWERS	St. Louis City	\$4,000,000
12565	Design Services (Supplemental Appropriation)	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$2,050,000
12584	Construction	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT A	Various	\$4,216,000
13031	Construction	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT B	Various	\$2,906,000
13033	Design Services	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT C	Various	\$48,000
12586	Design Services	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT D	Various	\$58,000
12587	Design Services	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT E	Various	\$87,000
13124	Design Services	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT F	Various	\$52,000
12566	Construction (Supplemental Appropriation)	BISSELL POINT WWTF TRICKLING FILTER MEDIA REPLACEMENT	St. Louis City	\$11,000,000
12108	Design Services	BURNING TREE INFRASTRUCTURE REPAIR (N. WATERFORD DR TO FOX RUN DR)	Florissant	\$103,000
12110	Construction	CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	Northwoods	\$1,084,000
12753	Construction	CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT	Hazelwood	\$1,240,000
12248	Construction	CAULKS CREEK A PUMP STATION (P-750) IMPROVEMENTS	Chesterfield	\$5,000,000
12114	Design Services (Supplemental Appropriation)	CAULKS CREEK PUMP STATION B (P-751) RELOCATION	Chesterfield	\$1,035,000
12122	Design Services	CLARK AVE SANITARY RELIEF (LACLEDE STA RD TO YEATMAN AVE)	Webster Groves	\$323,000
13568	Construction	CLAYTON MERAMEC ELEMENTARY PRIVATE I/I REMOVAL (S. MERAMEC AVE AT WALINCA TER)	Clayton	\$500,000



**WASTEWATER PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13446	Construction	CLAYTON RD 9925 SANITARY SEWER REPLACEMENT	Ladue	\$285,000
11724	Construction	COLDWATER SANITARY RELIEF SECTION B, C & D - SECTION B REHABILITATION	Unincorporated	\$1,600,000
11152	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - LOWER AND MIDDLE RDP TUNNEL FACILITIES	Various	\$2,700,000
11826	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - LOWER MERAMEC AND DEER CREEK TUNNELS	Various	\$4,800,000
11151	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES	Various	\$7,000,000
12130	Design Services	CONWAY ROAD SANITARY RELIEF (CONWAY LN TO DWYER AVE)	Ladue	\$108,000
12140	Design Services (Supplemental Appropriation)	CSO - MARY AVENUE SOUTH OF MANCHESTER CSO INTERCEPTOR (I-132)/OUTFALL (L-106) ELIMINATION PHASE II	Brentwood	\$150,000
12141	Design Services	CSO - SHREWSBURY AVE CSO INTERCEPTOR (I-293)/OUTFALL (L-166) SEWER SEPARATION	Shrewsbury	\$450,000
12326	Design Services	DANIEL BOONE - LAWNVIEW CREEK I/I REDUCTION	Unincorporated	\$161,000
12472	Construction (Supplemental Appropriation)	DC-02 & DC-03 SANITARY RELIEF (BRENTWOOD BLVD TO CONWAY RD) PHASE III AND PHASE IV	Ladue	\$17,500,000
12615	Construction (Supplemental Appropriation)	DEER CREEK SANITARY TUNNEL (CLAYTON RD TO RDP) - PUMP STATION	Shrewsbury	\$15,000,000
12740	Construction	DOLAN PLACE AND GRANDVIEW PLACE COMBINED SEWER RELIEF	St. Louis City	\$3,000,000
12153	Construction	EARTH CITY EXPRESSWAY PUMP STATION (P-708) REPLACEMENT	Unincorporated	\$1,700,000
13599	Construction	EARTH CITY UPS PUMP STATION (P-702) REPLACEMENT PHASE II	Unincorporated	\$1,500,000
12819	Property Rights Acquisition	EASEMENT ACQUISITION FOR WASTEWATER PROJECTS (2022)	Various	\$3,500,000
11737	Design Services (Supplemental Appropriation)	ELTORA WET WEATHER STORAGE FACILITY	Pagedale	\$100,000
12166	Construction	FENTON CREEK PUMP STATION (P-425) IMPROVEMENTS	Unincorporated	\$930,000
10012	Construction (Supplemental Appropriation)	FF-07 FEE FEE CREEK SANITARY RELIEF (MEADOWSIDE DR TO WILLOW BROOK DR)	Unincorporated	\$600,000
13046	Design Services	FILLMORE PUMP STATION (P-308) REHABILITATION	St. Louis City	\$300,000

**WASTEWATER PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
12173	Construction	FISHPOT TRUNK WEST AND ED LOU LANE I/I REDUCTION (SMITH DR AND VLASIS DR)	Ballwin	\$300,000
12387	General Services - Construction Inspection	GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2022)	Various	\$2,000,000
12894	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2018) CONTRACT B	Various	\$50,000
13098	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT A	Various	\$475,000
13099	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT B	Various	\$250,000
13102	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT A	Various	\$85,000
13103	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT B	Various	\$85,000
13104	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT C	Various	\$85,000
13108	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT A	Various	\$50,000
13109	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT B	Various	\$50,000
13110	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT C	Various	\$50,000
13111	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT D	Various	\$50,000
13112	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT E	Various	\$50,000
12175	Construction	GEYER SANITARY RELIEF AND WINDSOR SPRINGS P-521 STORAGE (BIG BEND BLVD TO WINDSOR SPRINGS DR)	Various	\$5,030,000
12272	Construction	GRAND GLAIZE TRUNK SANITARY RELIEF (BALLWIN GOLF CLUB TO CLAYMONT COVE CT)	Ballwin	\$740,000
12334	Design Services (Supplemental Appropriation)	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE I	Various	\$200,000
13597	Construction	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE IB	Brentwood	\$3,000,000
10641	Engineering During Construction Services	HARLEM - BADEN RELIEF PHASE IV (HEBERT) BUILDING DEMOLITION AND DESIGN	St. Louis City	\$600,000



**WASTEWATER PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
11796	Construction	HARLEM BADEN RELIEF PHASE IV (HEBERT) - HAMILTON TO DARVER TRUNK SEWER	Various	\$6,000,000
12299	Design Services	HAWTHORNE ESTATES SANITARY RELIEF (RANCH LN TO CLAYTON HILLS LN)	Town And Country	\$319,000
12996	Work Order Repair Costs (Capital)	INFRASTRUCTURE REPAIRS (FACILITIES) (2022)	Various	\$3,000,000
13016	Construction	INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT A	Various	\$2,500,000
13017	Construction	INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT B	Various	\$2,500,000
12988	Work Order Repair Costs (Capital)	INFRASTRUCTURE REPAIRS (WASTEWATER) (2022)	Various	\$7,000,000
11711	Construction (Supplemental Appropriation)	JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)	Unincorporated	\$35,000,000
11711	Engineering During Construction Services	JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)	Unincorporated	\$400,000
13227	Design Services	L51 PUMP STATION FORCEMAIN IMPROVEMENTS	Various	\$1,161,000
12590	Construction	LEMAY PUBLIC I/I REDUCTION AND REHABILITATION (2022) CONTRACT A	Various	\$2,932,000
11943	Design Services	LINDBERGH SANITARY RELIEF (MEADOWSIDE DR TO N LINDBERGH BLVD)	Unincorporated	\$401,000
12741	Construction	LOUISVILLE AVENUE AND OAKLAND AVENUE COMBINED SEWER RELIEF	St. Louis City	\$2,275,000
11109	Professional Services	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$270,000
11746	Construction (Supplemental Appropriation)	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	Various	\$48,000,000
11746	Engineering During Construction Services	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	Various	\$650,000
13409	Construction	LOWER MERAMEC WWTF - ADMINISTRATION BUILDING FACILITY IMPROVEMENTS	Unincorporated	\$1,800,000
13408	Construction	LOWER MERAMEC WWTF - INFLUENT PUMP STATION IMPROVEMENTS	Unincorporated	\$17,500,000
13407	Construction	LOWER MERAMEC WWTF - SOLIDS HANDLING EQUIPMENT REPLACEMENT	Unincorporated	\$3,900,000

**WASTEWATER PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13518	Construction	LOWER MERAMEC WWTF CORROSION AND HUMIDITY CONTROL IMPROVEMENTS PHASE II	Unincorporated	\$2,700,000
12255	Design Services (Supplemental Appropriation)	LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$1,000,000
12255	Construction Management Services During Construction	LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$2,000,000
12255	Construction	LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$30,000,000
13082	Construction	LOWER MERAMEC WWTF FITTING REPLACEMENT	Unincorporated	\$1,800,000
10024	Construction, Phase II	MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	Various	\$2,000,000
10024	Construction	MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	Various	\$4,000,000
12346	Design Services	MCCUTCHEON RD AND THORNDALL SANITARY RELIEF	Richmond Heights	\$405,000
13222	Construction	MISSOURI RIVER WWTF DIGESTER GAS STORAGE COVER REPLACEMENT	Maryland Heights	\$1,289,000
12355	Design Services	MULBERRY CREEK SANITARY RELIEF (HARWICH DR TO S LINDBERGH BLVD)	Crestwood	\$531,000
12360	Design Services	NORMANDIE SANITARY RELIEF (PAGE AVE TO SAINT CHARLES ROCK ROAD)	Unincorporated	\$1,661,000
12364	Construction	OAKWOOD FARMS PUMP STATION (P-470) ELIMINATION	Ballwin	\$445,000
12368	Construction	PRICE TO PIONEER SANITARY RELIEF	Olivette	\$4,000,000
11701	Engineering During Construction Services	PUMP STATION REPLACEMENT PROJECTS (PHASE I)	Various	\$150,000
13467	Design Services (Supplemental Appropriation)	SCADA SYSTEM UPGRADE	Various	\$1,000,000
10161	Construction	SCHUETZ ROAD SANITARY RELIEF (FOREST BROOK LN TO SUNNY WOOD CT)	Unincorporated	\$753,000
12201	Construction	SHREWSBURY SANITARY RELIEF SEWER AND I/I REDUCTION (WEIL AVE AND I-44)	Various	\$980,000
12202	Design Services	SMITH CREEK LADUE ROAD SANITARY RELIEF (ROYAL MANOR DR TO HEWLETT CT)	Creve Coeur	\$518,000
10756	Construction	SOUTH BROADWAY AT MERAMEC COMBINED SEWER REPLACEMENT	St. Louis City	\$1,500,000
12628	Design Services (Supplemental Appropriation)	SPIRIT 2 FORCEMAIN IMPROVEMENTS (P-736 TO P-750)	Chesterfield	\$220,000

**WASTEWATER PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13623	Design Services	SPOEDE ROAD SANITARY SEWER IMPROVEMENTS	Creve Coeur	\$120,000
12212	Construction	ST. GEORGE CREEK SANITARY RELIEF (DAISY LN TO GRAVOIS RD TO NEW HAMPSHIRE AVE)	Unincorporated	\$3,305,000
12213	Construction	ST. JACQUES SANITARY RELIEF (ST. JACQUES ST TO N LAFAYETTE ST)	Florissant	\$155,000
12214	Design Services	ST. JOACHIM'S SANITARY RELIEF (ST. GENEVIEVE LN TO LYNROS DR)	St. Ann	\$550,000
12217	Design Services	ST. MATTHIAS SANITARY RELIEF (ST. SHAWN LN TO STONEHARD DR)	St. Ann	\$306,000
12221	Construction	SUB-TRUNK #2 SANITARY RELIEF (BIRMINGHAM CT TO COVE LN)	Unincorporated	\$2,515,000
11669	Construction	SUB-TRUNK #3 SANITARY RELIEF (MURIEL DR TO JENNER LN)	Unincorporated	\$1,905,000
13361	Construction	TREVILLIAN 20 AND 50 SANITARY SEWER REPLACEMENT	Various	\$435,000
12242	Design Services	UPPER FISHPOT EAST SANITARY RELIEF (FIELD AVE TO WOLFF LN)	Ellisville	\$404,000
13292	Construction	WASHINGTON TERRACE 14 SEWER REPLACEMENT	St. Louis City	\$279,000
12922	Construction (Supplemental Appropriation)	WATKINS CREEK PUMP STATION (P-101) FORCEMAIN REPLACEMENT (COAL BANK RD TO SPRING GARDEN DR)	St. Louis City	\$1,600,000
12491	Construction (Supplemental Appropriation)	WATKINS CREEK PUMP STATION (P-101) REPLACEMENT	Unincorporated	\$2,900,000
12271	Design Services	WATKINS-SPANISH SANITARY RELIEF (MALAGA ST TO TRAMPE AVE)	Unincorporated	\$363,000
11678	Construction, Phase III	WEBSTER GROVES TRUNK E SANITARY REHABILITATION AND I/I REDUCTION PHASE IV	Webster Groves	\$1,300,000
12132	Design Services	WESTWOOD COUNTRY CLUB SANITARY RELIEF (DEER CREEK TO WESTWOOD CT)	Westwood	\$513,000
12300	Design Services	WOODSON SANITARY RELIEF (FLORA AVE TO LACKLAND RD)	Overland	\$391,000
<b><i>FUND TOTAL:</i></b>				<b>\$317,932,000</b>
<b><i>GRAND TOTAL:</i></b>				<b>\$336,532,000</b>

### **WASTEWATER PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b>1101 - GENERAL FUND</b>				
11144	Professional Services	BISSELL - COLDWATER - MISSOURI - MERAMEC SANITARY SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$650,000
12804	Vendor Services	CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2023)	Various	\$3,000,000
12908	Vendor Services	CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2023)	Various	\$1,700,000
11146	Construction	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE	Various	\$5,000,000
13078	Construction	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES	Various	\$3,000,000
12801	Vendor Services	FLOW METERING AND MONITORING (2022)	Various	\$2,500,000
13096	GSA - (Design) Operating Funds	GENERAL SERVICES AGREEMENT - LANDSCAPE DESIGN (2023)	Various	\$200,000
13087	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT A	Various	\$75,000
13088	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT B	Various	\$75,000
13089	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT C	Various	\$75,000
13090	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT D	Various	\$75,000
11109	Professional Services	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$100,000
12006	Vendor Services	RADAR RAINFALL DATA (2020)	Various	\$150,000
11153	Professional Services	RDP TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$600,000
10766	Vendor Services	STREAM FLOW GAUGE OPERATION AND MAINTENANCE (USGS)	Various	\$605,000
12806	Vendor Services	STREAM FLOW WATER QUALITY SAMPLING (2023)	Various	\$350,000
13436	Pre-Design Services	WET WEATHER OPTIMIZATION STUDY	Various	\$1,500,000
<b>FUND TOTAL:</b>				<b>\$19,655,000</b>
<b>4102 - IMPROVEMENT FUND</b>				

**WASTEWATER PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13153	Construction	LEMAY WWTF REPAIRS AND IMPROVEMENTS (2023) (GRIT TANKS AND SECONDARY CLARIFIER DUCT BANK)	Unincorporated	\$4,000,000
<b>FUND TOTAL:</b>				<b>\$4,000,000</b>
<b>5120 - DISTRICTWIDE STORMWATER FUND</b>				
13510	Construction	LINDWORTH STORM SEWER SEPARATION	Ladue	\$1,600,000
12200	Construction	SAYLESVILLE SANITARY RELIEF (SAYLESVILLE DR TO S GREENTRAILS DR)	Chesterfield	\$267,000
<b>FUND TOTAL:</b>				<b>\$1,867,000</b>
<b>5590 - MO RIVER BONFIL SUBD #448 OMCI FUND</b>				
12353	Design Services	MISSOURI RIVER BONFILS SANITARY SEWER REHABILITATION PHASE III	Hazelwood	\$45,000
<b>FUND TOTAL:</b>				<b>\$45,000</b>
<b>6660 - SANITARY REPLACEMENT FUND</b>				
12077	Construction	AMBLEWOOD SANITARY RELIEF (WATERFORD DR TO BIRCHBARK DR)	Florissant	\$2,386,000
12847	Construction (Supplemental Appropriation)	BADEN CITYSHED MITIGATION BASINS (CALVARY, FREDERIK, PARTRIDGE AND TILLIE) - SEPARATION SEWERS	St. Louis City	\$2,300,000
12085	Construction	BANFF SANITARY RELIEF (CAITHNESS RD TO LANARK RD)	Unincorporated	\$167,000
12088	Construction	BAXTER - MERAMEC BOTTOMS - VALLEY PARK PRIVATE I/I REDUCTION	Ballwin	\$336,000
12090	Design Services	BC-01 PHASE III AND BC-02 PHASE II SANITARY RELIEF (I-170 TO HEATHERWOOD DR)	Ladue	\$1,175,000
12565	Construction, Design-Build	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$101,000,000
12565	Construction, Proposer Stipend	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$2,000,000
12565	Engineering During Construction Services	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$8,600,000
13033	Construction	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT C	Various	\$7,070,000
12586	Construction	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT D	Various	\$3,594,000

**WASTEWATER PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
12587	Construction	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT E	Various	\$4,251,000
13124	Construction	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT F	Various	\$4,213,000
12548	Engineering During Construction Services	BISSELL POINT WWTF FINE SCREEN, CONCRETE AND GATE IMPROVEMENTS	St. Louis City	\$1,000,000
12548	Construction	BISSELL POINT WWTF FINE SCREEN, CONCRETE AND GATE IMPROVEMENTS	St. Louis City	\$18,000,000
11847	Construction	BLACK CREEK - HADDINGTON COURT RELIEF SEWERS	Ladue	\$11,000,000
12105	Design Services	BRUNSTON SANITARY RELIEF (BRUNSTON DR TO MATTESE VILLA DR)	St. Louis City And County	\$112,000
12248	Construction (Supplemental Appropriation)	CAULKS CREEK A PUMP STATION (P-750) IMPROVEMENTS	Chesterfield	\$3,516,000
12552	Construction	COLDWATER CREEK WWTF REPAIRS AND IMPROVEMENTS (2022)	Unincorporated	\$5,714,000
11152	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - LOWER AND MIDDLE RDP TUNNEL FACILITIES	Various	\$2,500,000
11826	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - LOWER MERAMEC AND DEER CREEK TUNNELS	Various	\$6,000,000
11151	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES	Various	\$6,000,000
12139	Construction	CSO - BRENTWOOD AND RED BUD AVE CSO INTERCEPTOR (I-118)/OUTFALL (L-111) ELIMINATION AND SEWER SEPARATION	Richmond Heights	\$10,000,000
12139	Engineering During Construction Services	CSO - BRENTWOOD AND RED BUD AVE CSO INTERCEPTOR (I-118)/OUTFALL (L-111) ELIMINATION AND SEWER SEPARATION	Richmond Heights	\$250,000
12140	Construction	CSO - MARY AVENUE SOUTH OF MANCHESTER CSO INTERCEPTOR (I- 132)/OUTFALL (L-106) ELIMINATION PHASE II	Brentwood	\$16,000,000
12140	Engineering During Construction Services	CSO - MARY AVENUE SOUTH OF MANCHESTER CSO INTERCEPTOR (I- 132)/OUTFALL (L-106) ELIMINATION PHASE II	Brentwood	\$250,000
12820	Property Rights Acquisition	EASEMENT ACQUISITION FOR WASTEWATER PROJECTS (2023)	Various	\$2,000,000
12159	Construction	EDMUNDSON SANITARY RELIEF (EDMUND AVE TO BATAAN DR)	Woodson Terrace	\$2,900,000



**WASTEWATER PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
11737	Engineering During Construction Services	ELTORA WET WEATHER STORAGE FACILITY	Pagedale	\$1,200,000
11737	Construction, Design-Build	ELTORA WET WEATHER STORAGE FACILITY	Pagedale	\$6,000,000
11888	Construction	FABICK PUMP STATION (P-444) IMPROVEMENTS (SKME-404E)	Fenton	\$750,000
12170	Design Services	FENTON WASTEWATER TREATMENT FACILITY ELIMINATION	Fenton	\$2,324,000
12171	Construction	FF-15 AND FF-16 SANITARY RELIEF PHASE II REHABILITATION	Maryland Heights	\$2,000,000
12178	Construction	FLORISSANT/DUNN SANITARY RELIEF (ST. ANTHONY LN TO I-270)	Florissant	\$4,000,000
12185	Construction	FRIEDENS (PARTIAL) I/I REDUCTION (CHAIN OF ROCKS DR AND FONTAINE PL)	Bellefontaine Neighbors	\$1,584,000
13516	Design Services (Supplemental Appropriation)	GASLIGHT SQUARE SEWER IMPROVEMENTS PHASE II	St. Louis City	\$1,500,000
12157	Construction	GC-06 GRAVOIS CREEK TO BRIARSTONE AND GATES SANITARY RELIEF PHASE II	Various	\$4,090,000
12387	General Services - Construction Inspection	GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2022)	Various	\$2,000,000
13098	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT A	Various	\$475,000
13099	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT B	Various	\$250,000
13102	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT A	Various	\$85,000
13103	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT B	Various	\$85,000
13104	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT C	Various	\$85,000
12400	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - SEWER AND CHANNEL DESIGN (2021) CONTRACT A	Various	\$200,000
13108	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT A	Various	\$50,000
13109	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT B	Various	\$50,000
13110	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT C	Various	\$50,000

**WASTEWATER PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13111	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT D	Various	\$50,000
13112	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT E	Various	\$50,000
12174	Design Services	GEYER SANITARY RELIEF (W. MONROE AVE TO W. ESSEX AVE)	Kirkwood	\$447,000
12176	Design Services	GLEN ECHO SANITARY RELIEF (ENGELHOLM AVE TO HENDERSON AVE)	Normandy	\$495,000
12264	Construction	GLENFIELD SANITARY RELIEF (WATSON WOODS CT TO S LINDBERGH BLVD)	Sunset Hills	\$1,938,000
13221	Design Services	GRAND GLAIZE WWTF REPAIRS AND IMPROVEMENTS (2024)	Valley Park	\$100,000
12281	Design Services	GRAND NATIONAL SANITARY RELIEF (GRAND NATIONAL DR TO KNEELAND RD)	Unincorporated	\$136,000
12291	Construction	GREENBRIAR #2 PUMP STATION (P-448) ELIMINATION	Des Peres	\$689,000
12334	Construction	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE I	Various	\$17,000,000
12334	Engineering During Construction Services	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE I	Various	\$280,000
11796	Construction (Supplemental Appropriation)	HARLEM BADEN RELIEF PHASE IV (HEBERT) - HAMILTON TO DARVER TRUNK SEWER	Various	\$3,300,000
13548	Construction	HARLEM BADEN RELIEF PHASE IV (HEBERT) - SEWER REHABILITATION	Various	\$2,768,000
13231	Construction	HARLEM CITYSHED MITIGATION BASINS (ASHLAND AND ESSEX)	Various	\$4,000,000
13337	Design Services	HARMONY-ACORN SEWER SEPARATION AND I/I REDUCTION PHASE II	Unincorporated	\$250,000
13432	Construction	HATHAWAY DRIVE SANITARY RELIEF	Jennings	\$902,000
12997	Work Order Repair Costs (Capital)	INFRASTRUCTURE REPAIRS (FACILITIES) (2023)	Various	\$3,000,000
13018	Construction	INFRASTRUCTURE REPAIRS (REHABILITATION) (2023) CONTRACT A	Various	\$2,500,000
13019	Construction	INFRASTRUCTURE REPAIRS (REHABILITATION) (2023) CONTRACT B	Various	\$2,500,000
12989	Work Order Repair Costs (Capital)	INFRASTRUCTURE REPAIRS (WASTEWATER) (2023)	Various	\$7,000,000
13596	Construction	LEMAY 1 PUMP STATION (P-301) COOLING TOWER REPLACEMENT	St. Louis City	\$650,000
11817	Design Services (Supplemental Appropriation)	LEMAY NO. 3 PUMP STATION AND FORCE MAIN	Unincorporated	\$450,000

**WASTEWATER PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
12330	Construction	LINDSAY - ST. ALBERT PRIVATE I/I REDUCTION	Florissant	\$625,000
13510	Construction	LINDWORTH STORM SEWER SEPARATION	Ladue	\$400,000
11109	Professional Services	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$270,000
11746	Construction (Supplemental Appropriation)	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	Various	\$48,000,000
11746	Engineering During Construction Services	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	Various	\$750,000
12255	Construction Management Services During Construction	LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$2,000,000
12255	Construction (Supplemental Appropriation)	LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$30,000,000
12255	Engineering During Construction Services	LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$750,000
10024	Construction (Supplemental Appropriation)	MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	Various	\$2,130,000
10715	Construction	NEW ENGLAND TOWN CLIFF CAVE PUMP STATION (P-323) IMPROVEMENTS	Unincorporated	\$4,000,000
12357	Construction	NEWPORT LANDING PUMP STATION (P-480) ELIMINATION	Unincorporated	\$626,000
12433	Construction	NORTH FEE FEE CREEK PUBLIC I/I REDUCTION	Various	\$6,000,000
12368	Construction (Supplemental Appropriation)	PRICE TO PIONEER SANITARY RELIEF	Olivette	\$1,744,000
13566	Construction	PUMP STATION MANLIFT REPLACEMENT	Various	\$2,400,000
12189	Construction	ROBYN HILLS NUMBER 1 PUMP STATION (P- 417) REPLACEMENT	Sunset Hills	\$670,000
12195	Construction	S BRENTWOOD BLVD SANITARY RELIEF (DAYTONA DR TO WALINCA TERRACE)	Clayton	\$4,681,000
12196	Design Services	S GORE AVE SANITARY RELIEF (GRAY AVE TO OAK TERR)	Webster Groves	\$140,000
12200	Construction	SAYLESVILLE SANITARY RELIEF (SAYLESVILLE DR TO S GREENTRAILS DR)	Chesterfield	\$2,960,000
13467	Construction	SCADA SYSTEM UPGRADE	Various	\$5,000,000

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<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13185	Professional Services	SLUDGE TRANSFER FORCEMAIN DESIGN (CONTRACT A)	Various	\$7,200,000
12218	Construction	STONINGTON PLACE SANITARY RELIEF (CLAYTON RD TO GEORGIAN ACRES ST)	Frontenac	\$300,000
12249	Design Services (Supplemental Appropriation)	UPPER MATTESE TRUNK SANITARY RELIEF (THEISS RD TO LIBERTY TRAIL RD)	Unincorporated	\$130,000
13444	Construction	VALLEY SANITARY RELIEF PHASE III	Various	\$4,000,000
12262	Construction	VALLEY VIEW PUMP STATION (P-734) REPLACEMENT	Wildwood	\$380,000
10794	Design Services	WEBSTER GROVES TRUNK E SANITARY RELIEF (SKME-628)	Brentwood	\$2,000,000
12280	Construction	WHITE PLAINS SANITARY RELIEF (SALTBOX DR TO CEDAR CREEK RD)	Chesterfield	\$1,986,000
12284	Design Services	WILSON AVE SANITARY RELIEF (HARRISON AVE TO CLEVELAND AVE)	Kirkwood	\$270,000
12302	Construction	WW-2 AND WW-3 WARSON WOODS SANITARY RELIEF	Various	\$5,000,000
<b><i>FUND TOTAL:</i></b>				<b>\$432,029,000</b>
<b><i>GRAND TOTAL:</i></b>				<b>\$457,596,000</b>

**WASTEWATER PROJECTS - FY24**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b>1101 - GENERAL FUND</b>				
11144	Professional Services	BISSELL - COLDWATER - MISSOURI - MERAMEC SANITARY SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$650,000
12804	Vendor Services	CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2023)	Various	\$3,000,000
12908	Vendor Services	CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2023)	Various	\$1,700,000
11146	Construction	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE	Various	\$5,000,000
13078	Construction	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES	Various	\$3,000,000
12801	Vendor Services	FLOW METERING AND MONITORING (2022)	Various	\$2,500,000
13096	GSA - (Design) Operating Funds	GENERAL SERVICES AGREEMENT - LANDSCAPE DESIGN (2023)	Various	\$200,000
13091	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT A	Various	\$75,000
13092	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT B	Various	\$75,000
13093	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT C	Various	\$75,000
13094	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT D	Various	\$75,000
11109	Professional Services	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$200,000
12006	Vendor Services	RADAR RAINFALL DATA (2020)	Various	\$150,000
11153	Professional Services	RDP TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$600,000
10766	Vendor Services	STREAM FLOW GAUGE OPERATION AND MAINTENANCE (USGS)	Various	\$605,000
12806	Vendor Services	STREAM FLOW WATER QUALITY SAMPLING (2023)	Various	\$350,000
<b>FUND TOTAL:</b>				<b>\$18,255,000</b>
<b>5590 - MO RIVER BONFIL SUBD #448 OMCI FUND</b>				
12353	Construction	MISSOURI RIVER BONFILS SANITARY SEWER REHABILITATION PHASE III	Hazelwood	\$1,492,000

**WASTEWATER PROJECTS - FY24**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
			<b><i>FUND TOTAL:</i></b>	<b>\$1,492,000</b>
<b>6660 - SANITARY REPLACEMENT FUND</b>				
12079	Construction	ARV ELLEN SANITARY RELIEF (TESSON CREEK ESTATES DR TO MADAFORD LN)	Unincorporated	\$365,000
12565	Engineering During Construction Services	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$15,600,000
12565	Construction, Design-Build (Supplemental Appropriation)	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$156,000,000
12548	Construction (Supplemental Appropriation)	BISSELL POINT WWTF FINE SCREEN, CONCRETE AND GATE IMPROVEMENTS	St. Louis City	\$11,816,000
11847	Construction (Supplemental Appropriation)	BLACK CREEK - HADDINGTON COURT RELIEF SEWERS	Ladue	\$7,100,000
13439	Design Services	BONFILS PUMP STATION (P-784) REHABILITATION	Unincorporated	\$500,000
12106	Design Services	BUCKHURST DR TO OAK HILL DR SANITARY RELIEF	Ellisville	\$181,000
12108	Construction	BURNING TREE INFRASTRUCTURE REPAIR (N. WATERFORD DR TO FOX RUN DR)	Florissant	\$448,000
12114	Construction	CAULKS CREEK PUMP STATION B (P-751) RELOCATION	Chesterfield	\$5,000,000
12122	Construction	CLARK AVE SANITARY RELIEF (LACLEDE STA RD TO YEATMAN AVE)	Webster Groves	\$1,607,000
12550	Design Services	COLDWATER CREEK WWTF REPLACEMENT SLUDGE FORCEMAIN	Various	\$1,700,000
11152	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - LOWER AND MIDDLE RDP TUNNEL FACILITIES	Various	\$500,000
11826	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - LOWER MERAMEC AND DEER CREEK TUNNELS	Various	\$5,800,000
13224	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - SLUDGE TRANSFER FORCEMAINS	Various	\$350,000
11151	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES	Various	\$4,000,000
12129	Design Services	CONWAY MEADOWS SANITARY RELIEF (CONWAY RD TO I-64)	Chesterfield	\$111,000
12130	Construction	CONWAY ROAD SANITARY RELIEF (CONWAY LN TO DWYER AVE)	Ladue	\$512,000
12133	Design Services	COUNTRY HOME DR SANITARY RELIEF (SUMMITT TREE CT TO AUTUMN PEAK DR)	Unincorporated	\$343,000



**WASTEWATER PROJECTS - FY24**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
12134	Design Services	COWMIRE CREEK SANITARY REPLACEMENT I-70 CROSSING (ST. CHARLES ROCK RD TO MARK TWAIN LN)	Bridgeton	\$115,000
12139	Construction (Supplemental Appropriation)	CSO - BRENTWOOD AND RED BUD AVE CSO INTERCEPTOR (I-118)/OUTFALL (L-111) ELIMINATION AND SEWER SEPARATION	Richmond Heights	\$6,000,000
12140	Construction (Supplemental Appropriation)	CSO - MARY AVENUE SOUTH OF MANCHESTER CSO INTERCEPTOR (I- 132)/OUTFALL (L-106) ELIMINATION PHASE II	Brentwood	\$10,500,000
12141	Construction	CSO - SHREWSBURY AVE CSO INTERCEPTOR (I-293)/OUTFALL (L-166) SEWER SEPARATION	Shrewsbury	\$2,000,000
12326	Construction	DANIEL BOONE - LAWNVIEW CREEK I/I REDUCTION	Unincorporated	\$392,000
12147	Design Services	DIETRICH GLEN PUMP STATION (P-525) IMPROVEMENTS	Unincorporated	\$100,000
12151	Design Services	DUBRAY SANITARY RELIEF (S. BALLAS RD TO DUBOIS CT)	Kirkwood	\$312,000
12821	Property Rights Acquisition	EASEMENT ACQUISITION FOR WASTEWATER PROJECTS (2024)	Various	\$2,000,000
11737	Construction, Design-Build (Supplemental Appropriation)	ELTORA WET WEATHER STORAGE FACILITY	Pagedale	\$4,447,000
13046	Construction	FILLMORE PUMP STATION (P-308) REHABILITATION	St. Louis City	\$1,700,000
12178	Construction (Supplemental Appropriation)	FLORISSANT/DUNN SANITARY RELIEF (ST. ANTHONY LN TO I-270)	Florissant	\$2,122,000
13534	General Services - Construction Inspection	GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2024)	Various	\$2,000,000
13100	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2024) CONTRACT A	Various	\$450,000
13101	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2024) CONTRACT B	Various	\$250,000
13105	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT A	Various	\$75,000
13106	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT B	Various	\$75,000
13107	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT C	Various	\$75,000

**WASTEWATER PROJECTS - FY24**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13095	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - SEWER AND CHANNEL DESIGN (2024) CONTRACT A	Various	\$200,000
13113	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT A	Various	\$50,000
13114	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT B	Various	\$50,000
13115	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT C	Various	\$50,000
13116	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT D	Various	\$50,000
13117	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT E	Various	\$50,000
13221	Construction	GRAND GLAIZE WWTF REPAIRS AND IMPROVEMENTS (2024)	Valley Park	\$400,000
12815	Construction	GRAVIOS CREEK SANITARY TRUNK RELOCATION AND STREAM STABILIZATION (AFTON ATHLETIC COMPLEX TO GREEN PK IND DR)	Unincorporated	\$2,628,000
12334	Construction (Supplemental Appropriation)	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE I	Various	\$9,608,000
11797	Construction	HARLEM BADEN RELIEF PHASE IV (HEBERT) - DARVER TO 69TH STREET TRUNK SEWER	Various	\$4,000,000
11798	Construction	HARLEM BADEN RELIEF PHASE IV (HEBERT) - HODIAMONT TO CHERRY TRUNK SEWER B	Various	\$6,000,000
12695	Professional Services	HARLEM BADEN RELIEF SYSTEM IMPROVEMENT DESIGN (CONTRACT A)	St. Louis City	\$250,000
13231	Construction (Supplemental Appropriation)	HARLEM CITYSHED MITIGATION BASINS (ASHLAND AND ESSEX)	Various	\$2,200,000
12942	Construction	HARLEM CITYSHED MITIGATION BASINS (ASHLAND AND ESSEX) - SEPARATION SEWERS	Various	\$4,800,000
12299	Construction	HAWTHORNE ESTATES SANITARY RELIEF (RANCH LN TO CLAYTON HILLS LN)	Town And Country	\$1,633,000
12998	Work Order Repair Costs (Capital)	INFRASTRUCTURE REPAIRS (FACILITIES) (2024)	Various	\$3,000,000
13020	Construction	INFRASTRUCTURE REPAIRS (REHABILITATION) (2024) CONTRACT A	Various	\$5,000,000
13021	Construction	INFRASTRUCTURE REPAIRS (REHABILITATION) (2024) CONTRACT B	Various	\$5,000,000
12990	Work Order Repair Costs (Capital)	INFRASTRUCTURE REPAIRS (WASTEWATER) (2024)	Various	\$7,000,000
11957	Construction	JEFFERSON BARRACKS TUNNEL CONSOLIDATION SEWERS	Unincorporated	\$5,660,000

**WASTEWATER PROJECTS - FY24**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
11957	Engineering During Construction Services	JEFFERSON BARRACKS TUNNEL CONSOLIDATION SEWERS	Unincorporated	\$74,000
13227	Construction	L51 PUMP STATION FORCEMAIN IMPROVEMENTS	Various	\$4,000,000
11817	Construction	LEMAY NO. 3 PUMP STATION AND FORCE MAIN	Unincorporated	\$14,000,000
11817	Engineering During Construction Services	LEMAY NO. 3 PUMP STATION AND FORCE MAIN	Unincorporated	\$440,000
13153	Construction (Supplemental Appropriation)	LEMAY WWTF REPAIRS AND IMPROVEMENTS (2023) (GRIT TANKS AND SECONDARY CLARIFIER DUCT BANK)	Unincorporated	\$3,000,000
11943	Construction	LINDBERGH SANITARY RELIEF (MEADOWSIDE DR TO N LINDBERGH BLVD)	Unincorporated	\$1,221,000
11820	Design Services (Supplemental Appropriation)	LMRDP CSO STORAGE TUNNEL (BROADWAY TO RDP TUBES)	St. Louis City	\$2,000,000
11109	Professional Services	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$270,000
11746	Construction (Supplemental Appropriation)	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	Various	\$52,000,000
11746	Engineering During Construction Services	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	Various	\$750,000
12255	Construction Management Services During Construction	LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$1,800,000
12255	Construction (Supplemental Appropriation)	LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$29,500,000
12255	Engineering During Construction Services	LOWER MERAMEC WWTF EXPANSION PHASE II	Unincorporated	\$750,000
13442	Design Services	MANORS OF CLARKSON PUMP STATION (P- 727) REHABILITATION	Clarkson Valley	\$100,000
12346	Construction	MCCUTCHEON RD AND THORNDALL SANITARY RELIEF	Richmond Heights	\$2,305,000
12483	Design Services (Supplemental Appropriation)	MISSISSIPPI FLOODWALL ORS PUMP STATIONS REHABILITATION	St. Louis City	\$1,200,000

**WASTEWATER PROJECTS - FY24**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13515	Construction	N CLAY 728 SANITARY RELOCATION	Kirkwood	\$300,000
10715	Construction (Supplemental Appropriation)	NEW ENGLAND TOWN CLIFF CAVE PUMP STATION (P-323) IMPROVEMENTS	Unincorporated	\$1,600,000
12359	Design Services	NOONING TREE PARK SANITARY RELIEF (WHITREE LN TO BRIGHTFIELD MANOR DR)	Chesterfield	\$300,000
12360	Construction	NORMANDIE SANITARY RELIEF (PAGE AVE TO SAINT CHARLES ROCK ROAD)	Unincorporated	\$5,000,000
12699	Professional Services	PUMP STATION REPAIR AND IMPROVEMENT DESIGN (CONTRACT C)	Various	\$50,000
13467	Construction (Supplemental Appropriation)	SCADA SYSTEM UPGRADE	Various	\$3,000,000
12202	Construction	SMITH CREEK LADUE ROAD SANITARY RELIEF (ROYAL MANOR DR TO HEWLETT CT)	Creve Coeur	\$1,979,000
12204	Design Services	SOUTH COUNTY RELIEF PUMP STATION (P- 419) IMPROVEMENTS	Unincorporated	\$500,000
12628	Construction	SPIRIT 2 FORCEMAIN IMPROVEMENTS (P- 736 TO P-750)	Chesterfield	\$12,000,000
12628	Engineering During Construction Services	SPIRIT 2 FORCEMAIN IMPROVEMENTS (P- 736 TO P-750)	Chesterfield	\$500,000
12206	Construction	SPIRIT OF ST. LOUIS 1 PUMP STATION (P- 735) REPLACEMENT	Chesterfield	\$494,000
13623	Construction	SPOEDE ROAD SANITARY SEWER IMPROVEMENTS	Creve Coeur	\$480,000
12214	Construction	ST. JOACHIM'S SANITARY RELIEF (ST. GENEVIEVE LN TO LYNROS DR)	St. Ann	\$3,222,000
12217	Construction	ST. MATTHIAS SANITARY RELIEF (ST. SHAWN LN TO STONEHARD DR)	St. Ann	\$2,253,000
12219	Design Services	STRASSNER AVE SANITARY RELIEF (BLACK CREEK TRUNK TO SWALLOW DR)	Brentwood	\$667,000
12220	Design Services	SUB-TRUNK #11 SANITARY RELIEF (BELGROVE DR TO LOTHIAN CIR)	Unincorporated	\$78,000
12224	Construction	SUNSET COUNTRY CLUB PUMP STATION (P- 408) REPLACEMENT AND STORAGE	Sunset Hills	\$1,000,000
12231	Construction	TM-01 TWO MILE CREEK OUTFALL SANITARY RELIEF	Various	\$6,000,000
12241	Construction	UPPER BADEN SANITARY RELIEF (JENNINGS STATION RD TO OAKRIDGE BLVD)	Northwoods	\$2,974,000
12242	Construction	UPPER FISHPOT EAST SANITARY RELIEF (FIELD AVE TO WOLFF LN)	Ellisville	\$1,980,000
12249	Construction	UPPER MATTESE TRUNK SANITARY RELIEF (THEISS RD TO LIBERTY TRAIL RD)	Unincorporated	\$6,000,000

**WASTEWATER PROJECTS - FY24**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
12263	Design Services	VILLE PATRICIA SANITARY RELIEF (VILLE ROSA LN TO CAMPUS PARKWAY DR)	Hazelwood	\$305,000
12270	Design Services	WATKINS CREEK SANITARY RELIEF (KENRAN INDUSTRIAL BLVD TO FARM POND CT)	Unincorporated	\$2,080,000
12279	Construction	WESTON PLACE PUMP STATION (P-771) IMPROVEMENTS	Town And Country	\$276,000
12132	Construction	WESTWOOD COUNTRY CLUB SANITARY RELIEF (DEER CREEK TO WESTWOOD CT)	Westwood	\$2,834,000
12288	Construction	WILTON PUMP STATION (P-412) REPLACEMENT AND STORAGE	Kirkwood	\$610,000
12300	Construction	WOODSON SANITARY RELIEF (FLORA AVE TO LACKLAND RD)	Overland	\$2,155,000
12302	Construction (Supplemental Appropriation)	WW-2 AND WW-3 WARSON WOODS SANITARY RELIEF	Various	\$4,785,000
<b><i>FUND TOTAL:</i></b>				<b>\$479,007,000</b>
<b><i>GRAND TOTAL:</i></b>				<b>\$498,754,000</b>

**WASTEWATER PROJECTS - FY25**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b>1101 - GENERAL FUND</b>				
11144	Professional Services	BISSELL - COLDWATER - MISSOURI - MERAMEC SANITARY SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$650,000
12804	Vendor Services	CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2023)	Various	\$3,000,000
12908	Vendor Services	CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2023)	Various	\$1,700,000
11146	Construction	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE	Various	\$5,000,000
13078	Construction	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES	Various	\$3,000,000
12801	Vendor Services	FLOW METERING AND MONITORING (2022)	Various	\$2,500,000
13096	GSA - (Design) Operating Funds	GENERAL SERVICES AGREEMENT - LANDSCAPE DESIGN (2023)	Various	\$200,000
13091	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT A	Various	\$75,000
13092	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT B	Various	\$75,000
13093	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT C	Various	\$75,000
13094	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT D	Various	\$75,000
11109	Professional Services	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$210,000
12816	Vendor Services	RADAR RAINFALL DATA (2025)	Various	\$150,000
11153	Professional Services	RDP TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$600,000
10766	Vendor Services	STREAM FLOW GAUGE OPERATION AND MAINTENANCE (USGS)	Various	\$605,000
12806	Vendor Services	STREAM FLOW WATER QUALITY SAMPLING (2023)	Various	\$350,000
<b>FUND TOTAL:</b>				<b>\$18,265,000</b>
<b>6660 - SANITARY REPLACEMENT FUND</b>				
12076	Design Services	AFFTON I/I REDUCTION (WANDA, LEONA CROSBY, AND POEPPING TESSON)	Unincorporated	\$414,000
13051	Design Services	ALSWELL PUMP STATION (P-422) REHABILITATION	Sunset Hills	\$150,000



**WASTEWATER PROJECTS - FY25**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13050	Design Services	ANITA LANE PUMP STATION (P-464) REHABILITATION	Unincorporated	\$100,000
13052	Design Services	BADEN SANITARY PUMP STATION (P-118) REHABILITATION	St. Louis City	\$100,000
12565	Engineering During Construction Services	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$15,000,000
12565	Construction, Design-Build (Supplemental Appropriation)	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$159,000,000
12567	Design Services	BISSELL POINT WWTF TRICKLING FILTER PUMP REPLACEMENT	St. Louis City	\$2,000,000
12105	Construction	BRUNSTON SANITARY RELIEF (BRUNSTON DR TO MATTESE VILLA DR)	St. Louis City And County	\$447,000
12114	Construction (Supplemental Appropriation)	CAULKS CREEK PUMP STATION B (P-751) RELOCATION	Chesterfield	\$3,200,000
12117	Design Services	CELLA SANITARY RELIEF (ROLLING ROCK LN TO CLAYTON RD)	Ladue	\$540,000
12851	Design Services	CHATHAM MANOR PUMP STATION (P-520) ELIMINATION	Unincorporated	\$250,000
13441	Design Services	CHRISTOPHER HILLS PUMP STATION (P-468) REHABILITATION	Unincorporated	\$100,000
13239	Design Services	COLDWATER CREEK WWTF DEMOLITION ABANDONED GRIT AND PRIMARY CLARIFIERS TANKS	Unincorporated	\$100,000
11152	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - LOWER AND MIDDLE RDP TUNNEL FACILITIES	Various	\$50,000
11826	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - LOWER MERAMEC AND DEER CREEK TUNNELS	Various	\$2,900,000
13224	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - SLUDGE TRANSFER FORCEMAINS	Various	\$2,800,000
11151	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES	Various	\$4,000,000
12822	Property Rights Acquisition	EASEMENT ACQUISITION FOR WASTEWATER PROJECTS (2025)	Various	\$2,000,000
12170	Construction	FENTON WASTEWATER TREATMENT FACILITY ELIMINATION	Fenton	\$10,000,000
12845	Design Services	FRIENDSHIP VILLAGE PUMP STATION (P- 516) ELIMINATION	Sunset Hills	\$540,000
13516	Construction	GASLIGHT SQUARE SEWER IMPROVEMENTS PHASE II	St. Louis City	\$9,000,000

**WASTEWATER PROJECTS - FY25**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13534	General Services - Construction Inspection	GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2024)	Various	\$1,100,000
13100	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2024) CONTRACT A	Various	\$450,000
13101	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2024) CONTRACT B	Various	\$250,000
13105	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT A	Various	\$75,000
13106	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT B	Various	\$75,000
13107	GSA - Geotechnical CIRP Funds	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2024) CONTRACT C	Various	\$75,000
13095	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT - SEWER AND CHANNEL DESIGN (2024) CONTRACT A	Various	\$200,000
13113	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT A	Various	\$50,000
13114	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT B	Various	\$50,000
13115	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT C	Various	\$50,000
13116	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT D	Various	\$50,000
13117	GSA - (Survey) CIRP Funds	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2024) CONTRACT E	Various	\$50,000
12603	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT ENGINEERING SERVICES 2025 PLUS BUDGET	Various	\$400,000
12174	Construction	GEYER SANITARY RELIEF (W. MONROE AVE TO W. ESSEX AVE)	Kirkwood	\$2,480,000
12176	Construction	GLEN ECHO SANITARY RELIEF (ENGELHOLM AVE TO HENDERSON AVE)	Normandy	\$1,960,000
12246	Design Services	GRAND GLAIZE WET WEATHER PUMP STATION	Valley Park	\$671,000
13240	Design Services	GRAND GLAIZE WWTF GENERATOR AND SWITCHGEAR REPLACEMENT	Valley Park	\$250,000
12281	Construction	GRAND NATIONAL SANITARY RELIEF (GRAND NATIONAL DR TO KNEELAND RD)	Unincorporated	\$545,000
12261	Land Purchase	GRAVOIS CREEK WATERSHED DOWNSTREAM SANITARY STORAGE FACILITY	Unincorporated	\$2,000,000

**WASTEWATER PROJECTS - FY25**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
12261	Design Services	GRAVOIS CREEK WATERSHED DOWNSTREAM SANITARY STORAGE FACILITY	Unincorporated	\$8,015,000
11797	Construction (Supplemental Appropriation)	HARLEM BADEN RELIEF PHASE IV (HEBERT) - DARVER TO 69TH STREET TRUNK SEWER	Various	\$2,500,000
11798	Construction (Supplemental Appropriation)	HARLEM BADEN RELIEF PHASE IV (HEBERT) - HODIAMONT TO CHERRY TRUNK SEWER B	Various	\$4,200,000
13053	Design Services	HARLEM LIFT PUMP STATION (P-104) REHABILITATION	St. Louis City	\$100,000
13337	Construction	HARMONY-ACORN SEWER SEPARATION AND I/I REDUCTION PHASE II	Unincorporated	\$2,000,000
12846	Construction	HEIMOS PUMP STATION (P-503) FORCEMAIN REPLACEMENT	Unincorporated	\$1,177,000
12999	Work Order Repair Costs (Capital)	INFRASTRUCTURE REPAIRS (FACILITIES) (2025)	Various	\$3,000,000
13022	Construction	INFRASTRUCTURE REPAIRS (REHABILITATION) (2025) CONTRACT A	Various	\$5,000,000
13023	Construction	INFRASTRUCTURE REPAIRS (REHABILITATION) (2025) CONTRACT B	Various	\$5,000,000
12991	Work Order Repair Costs (Capital)	INFRASTRUCTURE REPAIRS (WASTEWATER) (2025)	Various	\$8,000,000
13227	Construction (Supplemental Appropriation)	L51 PUMP STATION FORCEMAIN IMPROVEMENTS	Various	\$2,871,000
11817	Construction (Supplemental Appropriation)	LEMAY NO. 3 PUMP STATION AND FORCE MAIN	Unincorporated	\$24,440,000
12589	Design Services	LEMAY PUBLIC I/I REDUCTION (2026) CONTRACT A	Various	\$100,000
11820	Design Services (Supplemental Appropriation)	LMRDP CSO STORAGE TUNNEL (BROADWAY TO RDP TUBES)	St. Louis City	\$1,000,000
11109	Professional Services	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$270,000
12251	Design Services	MACKENZIE CREEK WATERSHED DOWNSTREAM SANITARY STORAGE FACILITY	Unincorporated	\$3,230,000
13048	Design Services	MASTER LIFT 1 PUMP STATION (P-717) REHABILITATION	Creve Coeur	\$1,000,000
12850	Design Services	MERAMEC BLUFFS (RIVER RIDGE P-501, PINE TREE ESTATES P-466, AND SUNSET RIDGE P-504) PUMP STATION ELIMINATIONS	Unincorporated	\$300,000
10869	Construction	MERAMEC BOTTOMS PUMP STATION (P-489) INTERCEPTOR SEWER	Unincorporated	\$1,940,000

**WASTEWATER PROJECTS - FY25**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
12483	Design Services (Supplemental Appropriation)	MISSISSIPPI FLOODWALL ORS PUMP STATIONS REHABILITATION	St. Louis City	\$1,200,000
12486	Construction, Design-Build	MISSISSIPPI FLOODWALL ORS PUMP STATIONS REHABILITATION PHASE IV	St. Louis City	\$5,000,000
12556	Design Services	MISSOURI RIVER WWTF ENGINE GENERATOR REPLACEMENT	Maryland Heights	\$1,200,000
12355	Construction	MULBERRY CREEK SANITARY RELIEF (HARWICH DR TO S LINDBERGH BLVD)	Crestwood	\$3,325,000
12356	Design Services	NEW ENGLAND VILLAGE 2 PUMP STATION (P-496) IMPROVEMENTS	Unincorporated	\$195,000
12360	Construction (Supplemental Appropriation)	NORMANDIE SANITARY RELIEF (PAGE AVE TO SAINT CHARLES ROCK ROAD)	Unincorporated	\$4,059,000
12460	Construction	OAKLAND COMBINED SEWER DETENTION AND STORAGE (CLAYTON AVE AND OAKLAND AVE)	St. Louis City	\$1,000,000
13406	Design Services	ROYAL ARMS CT SANITARY RELIEF	Unincorporated	\$100,000
12196	Construction	S GORE AVE SANITARY RELIEF (GRAY AVE TO OAK TERR)	Webster Groves	\$550,000
12198	Design Services	SALZMAN SANITARY RELIEF (PAGE AVE TO SALZMAN AVE)	Wellston	\$210,000
13077	Construction	SLUDGE TRANSFER FORCEMAIN - GRAND GLAIZE WWTF TO FENTON	Various	\$6,000,000
13076	Construction	SLUDGE TRANSFER FORCEMAIN - LOWER MERAMEC WWTF TO LEMAY WWTF	Various	\$14,000,000
12628	Construction (Supplemental Appropriation)	SPIRIT 2 FORCEMAIN IMPROVEMENTS (P- 736 TO P-750)	Chesterfield	\$7,500,000
13339	Design Services	SUN VALLEY SANITARY RELIEF	Unincorporated	\$350,000
12231	Construction (Supplemental Appropriation)	TM-01 TWO MILE CREEK OUTFALL SANITARY RELIEF	Various	\$3,469,000
13215	Design Services	TOWER GROVE MANCHESTER TUNNEL AND COLLECTOR SEWERS	St. Louis City	\$9,600,000
11992	Construction	UNIVERSITY CITY SANITARY STORAGE FACILITY	University City	\$50,000,000
12249	Construction (Supplemental Appropriation)	UPPER MATTESE TRUNK SANITARY RELIEF (THEISS RD TO LIBERTY TRAIL RD)	Unincorporated	\$3,540,000
12440	Design Services (Supplemental Appropriation)	UPPER RDP (UNIVERSITY CITY) CSO STORAGE TUNNEL	University City	\$4,000,000
12266	Design Services	WARSON TERRACE SANITARY RELIEF (FOXBORO RD TO CONWAY RD)	Ladue	\$70,000
12271	Construction	WATKINS-SPANISH SANITARY RELIEF (MALAGA ST TO TRAMPE AVE)	Unincorporated	\$1,927,000

**WASTEWATER PROJECTS - FY25**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
10794	Construction	WEBSTER GROVES TRUNK E SANITARY RELIEF (SKME-628)	Brentwood	\$6,000,000
12375	Design Services	WHITE PLAINS SANITARY RELIEF (CEDAR CREEK RD TO E CHESTERFIELD PKY)	Various	\$335,000
12284	Construction	WILSON AVE SANITARY RELIEF (HARRISON AVE TO CLEVELAND AVE)	Kirkwood	\$1,100,000
13535	Design Services	WWTF SCADA IMPROVEMENTS	Various	\$1,000,000
			<b><i>FUND TOTAL:</i></b>	<b>\$423,345,000</b>
			<b><i>GRAND TOTAL:</i></b>	<b>\$441,610,000</b>

### **WASTEWATER PROJECTS - FY26**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b>1101 - GENERAL FUND</b>				
11144	Professional Services	BISSELL - COLDWATER - MISSOURI - MERAMEC SANITARY SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$650,000
12805	Vendor Services	CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2026)	Various	\$3,000,000
12909	Vendor Services	CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2026)	Various	\$1,700,000
11146	Construction	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE	Various	\$5,000,000
12801	Vendor Services	FLOW METERING AND MONITORING (2022)	Various	\$2,500,000
13091	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT A	Various	\$75,000
13092	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT B	Various	\$75,000
13093	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT C	Various	\$75,000
13094	Appraisal Services	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2024) CONTRACT D	Various	\$75,000
11109	Professional Services	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$220,000
12816	Vendor Services	RADAR RAINFALL DATA (2025)	Various	\$150,000
11153	Professional Services	RDP TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$600,000
10766	Vendor Services	STREAM FLOW GAUGE OPERATION AND MAINTENANCE (USGS)	Various	\$605,000
12807	Vendor Services	STREAM FLOW WATER QUALITY SAMPLING (2026)	Various	\$350,000
<b>FUND TOTAL:</b>				<b>\$15,075,000</b>
<b>6660 - SANITARY REPLACEMENT FUND</b>				
12074	Design Services	ADAMS SANITARY RELIEF (BARRETT STATION RD TO W. MONROE AVE)	Various	\$2,160,000
12565	Engineering During Construction Services	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$9,000,000



**WASTEWATER PROJECTS - FY26**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
12565	Construction, Design-Build (Supplemental Appropriation)	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	Various	\$95,000,000
13309	Design Services	BISSELL POINT WWTF FINAL CLARIFIER TANK REHABILITATION	St. Louis City And County	\$860,000
12568	Design Services	BISSELL POINT WWTF INFLUENT PUMP STATION IMPROVEMENTS	St. Louis City	\$240,000
13308	Design Services	BISSELL POINT WWTF PRELIMINARY AND PRIMARY CONCRETE PRESERVATION	St. Louis City	\$500,000
13439	Construction	BONFILS PUMP STATION (P-784) REHABILITATION	Unincorporated	\$1,500,000
12106	Construction	BUCKHURST DR TO OAK HILL DR SANITARY RELIEF	Ellisville	\$725,000
12123	Design Services	CLAYTON ROAD SANITARY RELIEF (WESTWOOD DR TO CROMWELL DR)	Clayton	\$218,000
13239	Construction	COLDWATER CREEK WWTF DEMOLITION ABANDONED GRIT AND PRIMARY CLARIFIERS TANKS	Unincorporated	\$400,000
12550	Construction	COLDWATER CREEK WWTF REPLACEMENT SLUDGE FORCEMAIN	Various	\$4,000,000
12549	Design Services	COLDWATER CREEK WWTF WAREHOUSE STORAGE PROJECT	Unincorporated	\$175,000
13560	Design Services	COLDWATER SANITARY RELIEF SECTION B, C, & D - SECTION B REHABILITATION PHASE II	Various	\$400,000
13224	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - SLUDGE TRANSFER FORCEMAINS	Various	\$1,700,000
11151	Professional Services	CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES	Various	\$4,000,000
12129	Construction	CONWAY MEADOWS SANITARY RELIEF (CONWAY RD TO I-64)	Chesterfield	\$444,000
12133	Construction	COUNTRY HOME DR SANITARY RELIEF (SUMMITT TREE CT TO AUTUMN PEAK DR)	Unincorporated	\$1,375,000
12134	Construction	COWMIRE CREEK SANITARY REPLACEMENT I-70 CROSSING (ST. CHARLES ROCK RD TO MARK TWAIN LN)	Bridgeton	\$426,000
12629	Design Services	CREVE COEUR CREEK (L-52) FORCEMAIN REHABILITATION (P-718 TO MO RIVER WWTF)	Maryland Heights	\$500,000
12431	Design Services	CSO - LACLEDE STATION RD AND RANKEN AVE (I-181/L-131) CSO ELIMINATION	Richmond Heights	\$179,000
12144	Design Services	DARTMOUTH AVENUE SEWER SEPARATION	University City	\$218,000
11833	Design Services	DELCREST SANITARY RELIEF	Various	\$394,000
12147	Construction	DIETRICH GLEN PUMP STATION (P-525) IMPROVEMENTS	Unincorporated	\$300,000

**WASTEWATER PROJECTS - FY26**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
12151	Construction	DUBRAY SANITARY RELIEF (S. BALLAS RD TO DUBOIS CT)	Kirkwood	\$1,250,000
13520	Construction	EARLSFIELD SANITARY RELIEF AND KINGSTON PUMP STATION (P-326) ELIMINATION	Unincorporated	\$250,000
12823	Property Rights Acquisition	EASEMENT ACQUISITION FOR WASTEWATER PROJECTS (2026)	Various	\$2,000,000
12168	Design Services	FENTON CREEK SANITARY RELIEF (REMINGTON OAKS TER TO DELEON CT)	Unincorporated	\$186,000
12170	Construction (Supplemental Appropriation)	FENTON WASTEWATER TREATMENT FACILITY ELIMINATION	Fenton	\$7,138,000
12182	Construction	FOX BRIDGE PUMP STATION (P-484) STORAGE	Sunset Hills	\$295,000
13516	Construction (Supplemental Appropriation)	GASLIGHT SQUARE SEWER IMPROVEMENTS PHASE II	St. Louis City	\$5,500,000
13057	General Services - Construction Inspection	GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2026)	Various	\$1,700,000
12603	GSA - (Design) CIRP Funds	GENERAL SERVICES AGREEMENT ENGINEERING SERVICES 2025 PLUS BUDGET	Various	\$1,800,000
13412	Design Services	GRAND GLAIZE WWTF BISULFITE STORAGE AND CHEMICAL FEED FACILITY	Valley Park	\$460,000
13443	Design Services	GRAND GLAIZE WWTF BOSKER SPARE UNIT	Valley Park	\$200,000
12261	Design Services (Supplemental Appropriation)	GRAVOIS CREEK WATERSHED DOWNSTREAM SANITARY STORAGE FACILITY	Unincorporated	\$4,000,000
12292	Design Services	GREENTON WAY TO OAKLAWN DR SANITARY RELIEF	Unincorporated	\$211,000
12294	Design Services	GREGORY COURT SANITARY RELIEF (TESSON FERRY RD TO SAPPINGTON RD)	St. Louis County	\$406,000
12369	Design Services	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE II	Richmond Heights	\$3,696,000
11799	Construction	HARLEM BADEN RELIEF PHASE IV (HEBERT) - SEWER SEPARATION CHERRY TO 68TH STREET	Various	\$3,850,000
13000	Work Order Repair Costs (Capital)	INFRASTRUCTURE REPAIRS (FACILITIES) (2026)	Various	\$3,000,000
13024	Construction	INFRASTRUCTURE REPAIRS (REHABILITATION) (2026) CONTRACT A	Various	\$5,000,000
13025	Construction	INFRASTRUCTURE REPAIRS (REHABILITATION) (2026) CONTRACT B	Various	\$5,000,000

**WASTEWATER PROJECTS - FY26**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
12992	Work Order Repair Costs (Capital)	INFRASTRUCTURE REPAIRS (WASTEWATER) (2026)	Various	\$8,000,000
12313	Design Services	JEFFERSON BARRACKS CREEK SANITARY RELIEF (N. KINSWOOD LN TO S. FRANRU LN)	Unincorporated	\$575,000
13047	Design Services	KIEFER CREEK PUMP STATION (P-473) REHABILITATION	Unincorporated	\$1,000,000
12323	Design Services	LAKE FOREST DR SEWER SEPARATION	Richmond Heights	\$572,000
11817	Construction (Supplemental Appropriation)	LEMAY NO. 3 PUMP STATION AND FORCE MAIN	Unincorporated	\$4,260,000
12589	Construction	LEMAY PUBLIC I/I REDUCTION (2026) CONTRACT A	Various	\$3,340,000
11109	Professional Services	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	Various	\$270,000
12251	Land Purchase	MACKENZIE CREEK WATERSHED DOWNSTREAM SANITARY STORAGE FACILITY	Unincorporated	\$2,000,000
13442	Construction	MANORS OF CLARKSON PUMP STATION (P- 727) REHABILITATION	Clarkson Valley	\$400,000
12340	Design Services	MARCO PUMP STATION (P-406) REPLACEMENT	Kirkwood	\$195,000
12344	Design Services	MARTIGNEY SANITARY RELIEF (KOCH RD TO WOOD HILL DR)	Unincorporated	\$1,320,000
12486	Construction, Design-Build (Supplemental Appropriation)	MISSISSIPPI FLOODWALL ORS PUMP STATIONS REHABILITATION PHASE IV	St. Louis City	\$3,000,000
13400	Design Services	MISSOURI RIVER WWTF FLOOD PROTECTION AND ACCESS IMPROVEMENTS	Maryland Heights	\$400,000
12359	Construction	NOONING TREE PARK SANITARY RELIEF (WHITREE LN TO BRIGHTFIELD MANOR DR)	Chesterfield	\$1,190,000
13338	Design Services	OLDE ENGLISH SANITARY RELIEF	Unincorporated	\$1,200,000
12365	Design Services	OLIVETTA STREET SEWER SEPARATION	University City	\$560,000
12367	Design Services	PIONEER TO FAIRVIEW SANITARY RELIEF	Overland	\$210,000
12441	Design Services (Supplemental Appropriation)	RDP TRIBUTARIES (DEER CREEK) CSO TUNNEL	Various	\$4,000,000
13440	Design Services	RIDER TRAIL NORTH PUMP STATION (P-703) REHABILITATION	Unincorporated	\$100,000
12199	Design Services	SAPPINGTON SANITARY RELIEF (LIBERTY TRAIL DR TO OLEANDER DR)	St. Louis City And County	\$223,000

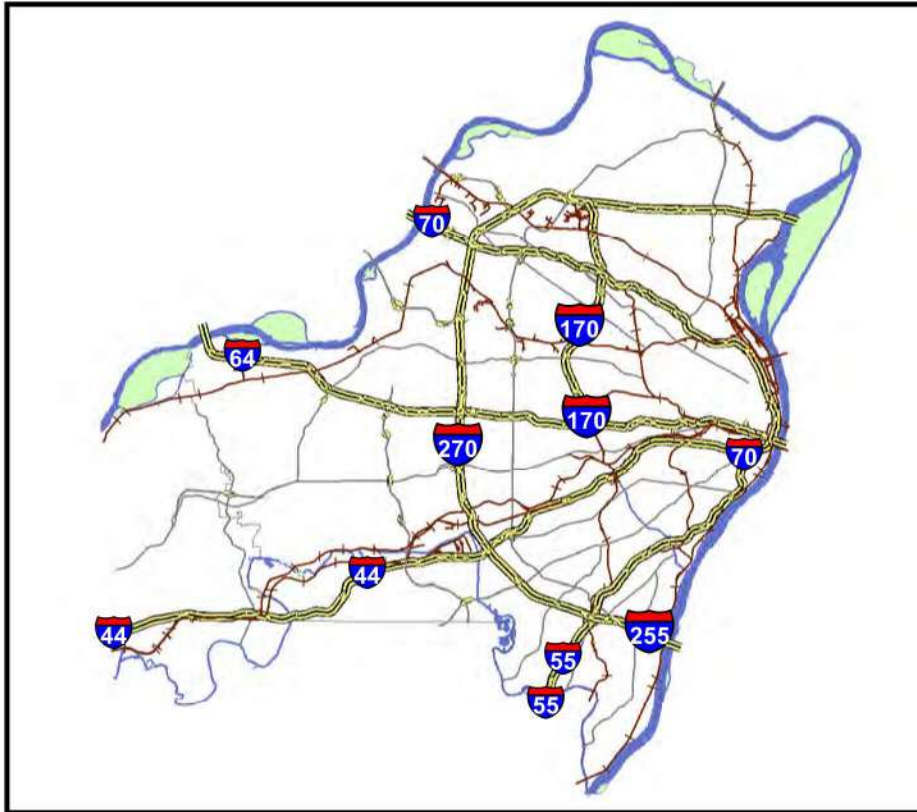
**WASTEWATER PROJECTS - FY26**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
13077	Construction (Supplemental Appropriation)	SLUDGE TRANSFER FORCEMAIN - GRAND GLAIZE WWTF TO FENTON	Various	\$4,100,000
13076	Construction (Supplemental Appropriation)	SLUDGE TRANSFER FORCEMAIN - LOWER MERAMEC WWTF TO LEMAY WWTF	Various	\$9,300,000
12204	Construction	SOUTH COUNTY RELIEF PUMP STATION (P- 419) IMPROVEMENTS	Unincorporated	\$2,500,000
12219	Construction	STRASSNER AVE SANITARY RELIEF (BLACK CREEK TRUNK TO SWALLOW DR)	Brentwood	\$2,670,000
12220	Construction	SUB-TRUNK #11 SANITARY RELIEF (BELGROVE DR TO LOTHIAN CIR)	Unincorporated	\$313,000
11992	Construction (Supplemental Appropriation)	UNIVERSITY CITY SANITARY STORAGE FACILITY	University City	\$50,000,000
12440	Design Services (Supplemental Appropriation)	UPPER RDP (UNIVERSITY CITY) CSO STORAGE TUNNEL	University City	\$4,000,000
13049	Design Services	UPTON PUMP STATION (P-309) REHABILITATION	St. Louis City	\$500,000
12252	Design Services	UR-11 BALSON AVENUE SANITARY RELIEF	University City	\$1,000,000
12263	Construction	VILLE PATRICIA SANITARY RELIEF (VILLE ROSA LN TO CAMPUS PARKWAY DR)	Hazelwood	\$1,180,000
10794	Construction (Supplemental Appropriation)	WEBSTER GROVES TRUNK E SANITARY RELIEF (SKME-628)	Brentwood	\$5,000,000
12303	Design Services	WYDOWN BLVD AND WESTWOOD DR SANITARY RELIEF	Clayton	\$97,000
<b><i>FUND TOTAL:</i></b>				<b>\$284,131,000</b>
<b><i>GRAND TOTAL:</i></b>				<b>\$299,206,000</b>

**STORMWATER ENGINEERING PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
12842	GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2021)	\$100,000	142
11937	GRAVOIS CREEK OMCI STORMWATER DESIGN (CONTRACT F)	\$30,000	143
10070	HALL STREET STORM SEWERS	\$500,000	144
13595	STORMWATER ASSET INVESTIGATIONS (2022)	\$800,000	145
<b><i>TOTAL:</i></b>		<hr/> <b>\$1,430,000</b>	

# GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2021)



**FISCAL YEAR:** 2022

**PROJECT NO:** 12842

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
11

**TASK NAME:**  
GSA - (Planning)  
Operating Fund

## Description of Problem/Issue

WATER QUALITY EXPERTISE IS NEEDED TO SUPPORT THE DISTRICT'S REGULATORY AND LEGAL EFFORTS.

**BUDGET:**  
\$100,000

**FUND:**  
5110 - Stormwater  
Regulatory Fund

## Scope of Project

RETAIN ENGINEERING FIRM FOR AS NEEDED WATER QUALITY SUPPORT SERVICES. SERVICES MAY BE RENEWED THROUGH FY2023 BASED ON PERFORMANCE.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Various

## Comments/Remarks

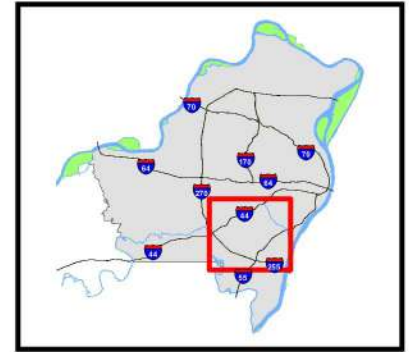
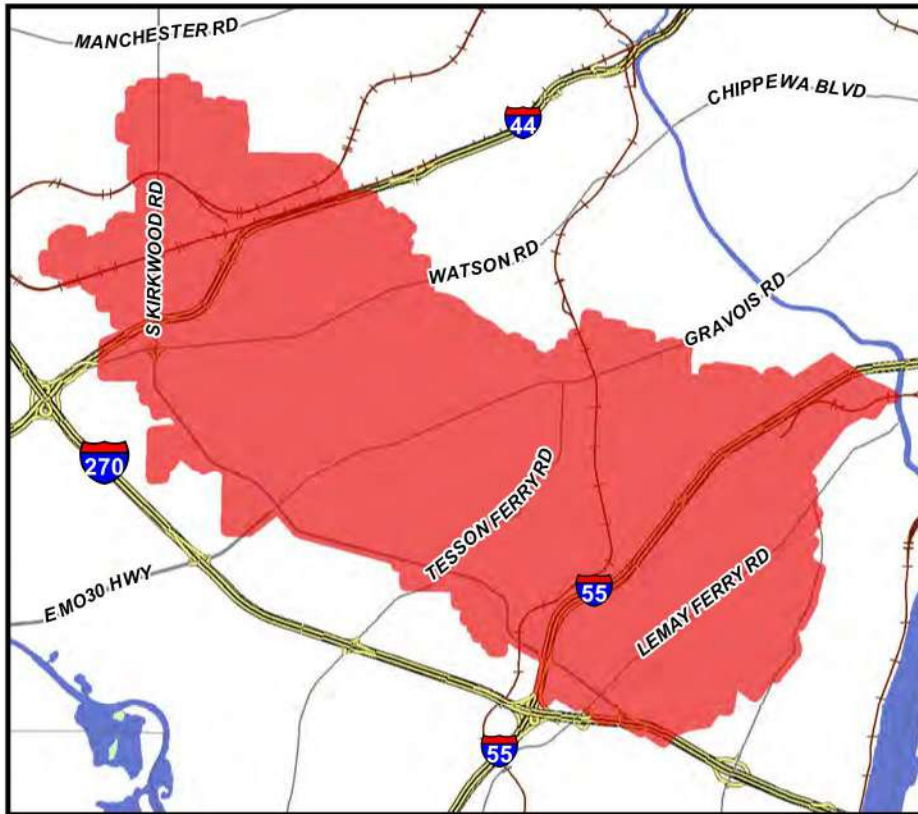
PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Asset Management



# GRAVOIS CREEK OMCI STORMWATER DESIGN (CONTRACT F)



**FISCAL YEAR:** 2022

**PROJECT NO:** 11937

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
16

**TASK NAME:**  
Professional Services

## Description of Problem/Issue

STORMWATER ISSUES EXIST IN AREAS WHERE FUNDING IS AVAILABLE.

**BUDGET:**  
\$30,000

**FUND:**  
5571 - Gravois Creek  
OMCI Fund

## Scope of Project

DESIGN STREAMBANK STABILIZATION IMPROVEMENTS IN THE  
GRAVOIS CREEK WATERSHED.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Lemay/RDP

## Comments/Remarks

**WATERSHED:**  
Gravois Creek

**EXPENSE TYPE:**  
Non-recurring

# HALL STREET STORM SEWERS



**FISCAL YEAR:** 2022

**PROJECT NO:** 10070

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
11

**TASK NAME:**  
Design Services  
(Supplemental  
Appropriation)

**BUDGET:**  
\$500,000

**FUND:**  
5120 - Districtwide  
Stormwater Fund

**MUNICIPALITY:**  
St. Louis City

**MAJOR SERVICE AREA:**  
Bissell

**WATERSHED:**  
Various

**EXPENSE TYPE:**  
Capital

## Description of Problem/Issue

STREET FLOODING ALONG HALL STREET FROM ADELAIDE TO RIVERVIEW DRIVE.

## Scope of Project

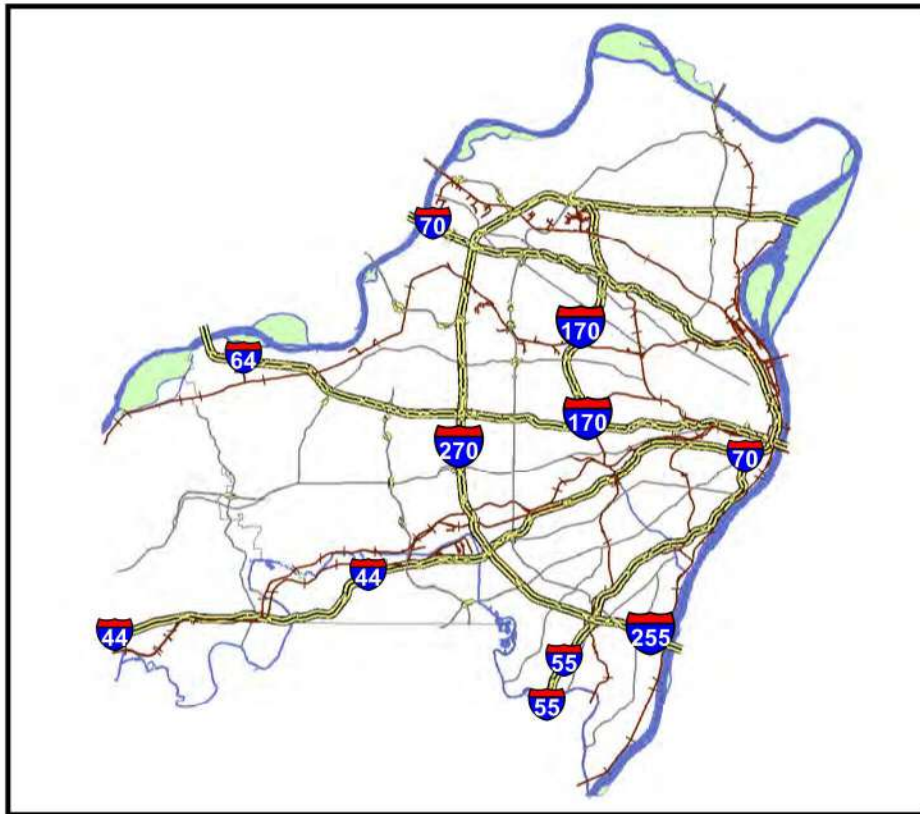
CONSTRUCT 5,500 FEET OF 12-INCH TO 66-INCH STORM SEWER, 523 FEET OF 72-INCH TUNNEL, AND 16,800 FEET OF DRAINAGE DITCH ALONG HALL STREET.

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 24. TOTAL CONSTRUCTION BUDGET IS \$10,920,000.



# STORMWATER ASSET INVESTIGATIONS (2022)



**FISCAL YEAR:** 2022

**PROJECT NO:** 13595

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
16

**TASK NAME:**  
Vendor Services

## Description of Problem/Issue

ACCURATE MAPPING INFORMATION NEEDED TO BETTER ANALYZE THE STORMWATER NETWORK AND ESTIMATE FUTURE MAINTENANCE AND CAPITAL IMPROVEMENT NEEDS.

**BUDGET:**

\$800,000

**FUND:**

5120 - Districtwide  
Stormwater Fund

## Scope of Project

VENDOR FIELD INVESTIGATION SERVICES TO UPDATE DISTRICT'S STORMWATER ASSET INFORMATION. SERVICES MAY BE RENEWED THROUGH FY2024 BASED ON PERFORMANCE.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

**WATERSHED:**

Various

**EXPENSE TYPE:**

Asset Management

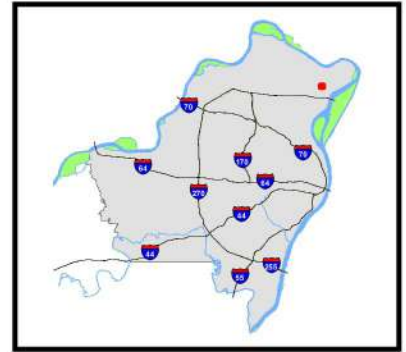
**STORMWATER CONSTRUCTION PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
11408	BROADHEAD #921 STORM SEWER	\$265,000	146
13488	COLDWATER CREEK OMCI REIMBURSEMENTS PROGRAM	\$1,076,519	147
13487	DEER CREEK OMCI REIMBURSEMENTS PROGRAM	\$1,958,164	148
11535	DEKAMAY DRIVE STORM SEWER (MGJB-130)	\$355,000	149
13474	EASEMENT ACQUISITION FOR DEER CREEK OMCI PROJECTS (2021)	\$350,000	150
13476	EASEMENT ACQUISITION FOR MALINE OMCI PROJECTS (2021)	\$80,000	151
13475	EASEMENT ACQUISITION FOR UNIVERSITY CITY OMCI PROJECTS (2021)	\$95,000	152
11598	ORCHARD AND WINDSOR LANE STORM SEWER	\$250,000	153
10293	RECO AVENUE BANK STABILIZATION	\$250,000	154
13491	SEMINARY OMCI REIMBURSEMENTS PROGRAM	\$124,292	155
13005	STORMWATER INFRASTRUCTURE REPAIRS (2022)	\$6,000,000	156
13127	STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2022)	\$2,000,000	157
13352	STORMWATER QUALITY GREEN INFRASTRUCTURE - SMALL GRANT RAINSCAPING PROGRAM	\$200,000	158
13490	SUGAR CREEK OMCI REIMBURSEMENTS PROGRAM	\$149,498	159
13489	UNIVERSITY CITY OMCI REIMBURSEMENTS PROGRAM	\$495,049	160
10351	WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT	\$395,000	161
10351	WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT	\$486,000	162

**STORMWATER CONSTRUCTION PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
		<b><i>TOTAL:</i></b>	<div><div></div><div>\$14,529,522</div></div>

# BROADHEAD #921 STORM SEWER



**FISCAL YEAR:** 2022

**PROJECT NO:** 11408

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

CHANNEL EROSION AT END OF 30-INCH CMP.

## BUDGET:

\$265,000

## FUND:

5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT 176 FEET OF 30-INCH STORM SEWER.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

## WATERSHED:

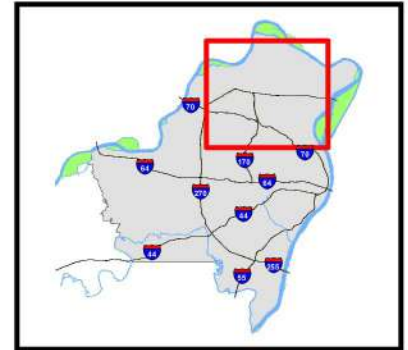
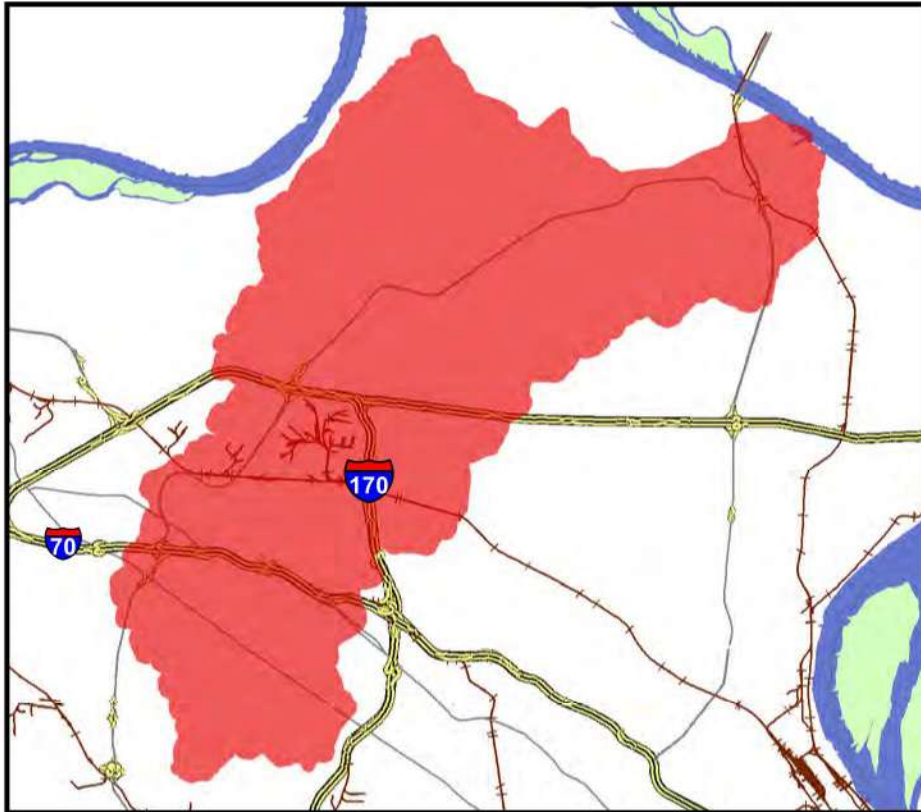
Spanish Lake

## EXPENSE TYPE:

Capital



# COLDWATER CREEK OMCI REIMBURSEMENTS PROGRAM



**FISCAL YEAR:** 2022

**PROJECT NO:** 13488

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction, Phase II

## Description of Problem/Issue

STORMWATER ISSUES IN THE COLDWATER CREEK OMCI TAXING SUBDISTRICT.

## BUDGET:

\$1,076,519

## FUND:

5564 - Coldwater Creek  
OMCI Fund

## Scope of Project

OFFER STORMWATER GRANTS TO MUNICIPALITIES WITHIN THE COLDWATER CREEK OMCI.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Coldwater

## Comments/Remarks

THIS PROGRAM WILL OFFER GRANT REIMBURSEMENTS TO MUNICIPALITIES TO PROMOTE RESOLUTION OF STORMWATER ISSUES.

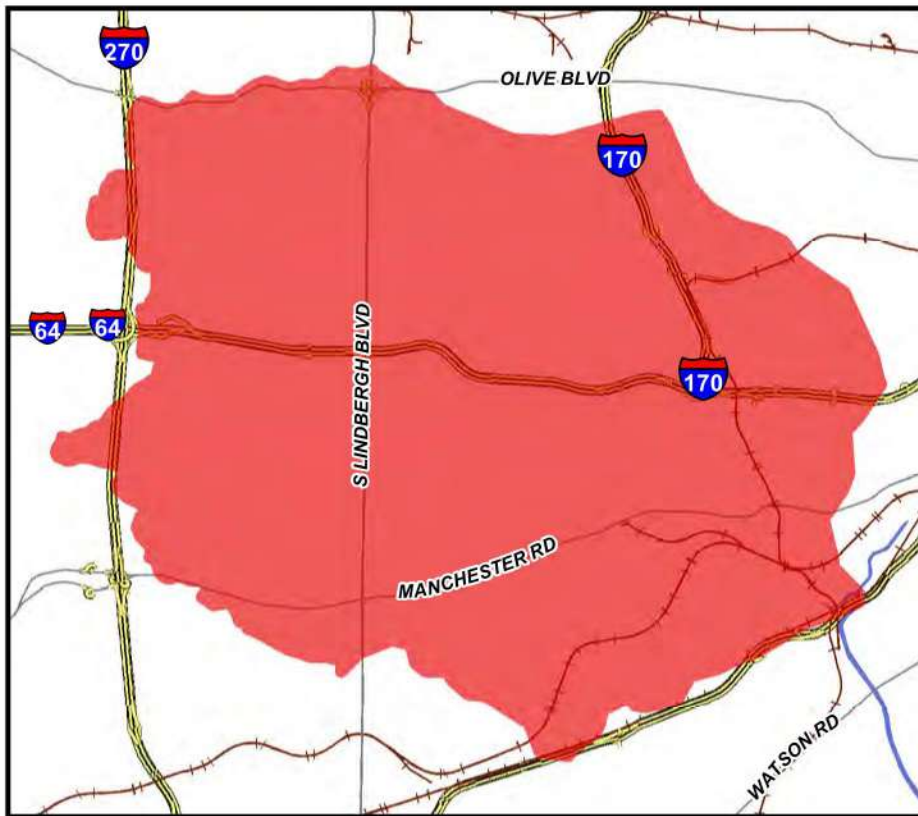
## WATERSHED:

Coldwater Creek

## EXPENSE TYPE:

Non-recurring

# DEER CREEK OMCI REIMBURSEMENTS PROGRAM



**FISCAL YEAR:** 2022

**PROJECT NO:** 13487

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction, Phase II

## Description of Problem/Issue

STORMWATER ISSUES IN THE DEER CREEK OMCI TAXING SUBDISTRICT.

## BUDGET:

\$1,958,164

## FUND:

5566 - Deer Creek  
OMCI Fund

## Scope of Project

OFFER STORMWATER GRANTS TO MUNICIPALITIES WITHIN THE DEER CREEK OMCI.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

THIS PROGRAM WILL OFFER GRANT REIMBURSEMENTS TO MUNICIPALITIES TO PROMOTE RESOLUTION OF STORMWATER ISSUES.

## WATERSHED:

Deer Creek

## EXPENSE TYPE:

Non-recurring

# DEKAMAY DRIVE STORM SEWER (MGJB-130)



**FISCAL YEAR:** 2022

**PROJECT NO:** 11535

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

FREQUENT STRUCTURAL FLOODING FROM OVERLAND FLOW.

## BUDGET:

\$355,000

## FUND:

5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT 1,050 FEET OF 12-INCH TO 24-INCH STORM SEWER.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

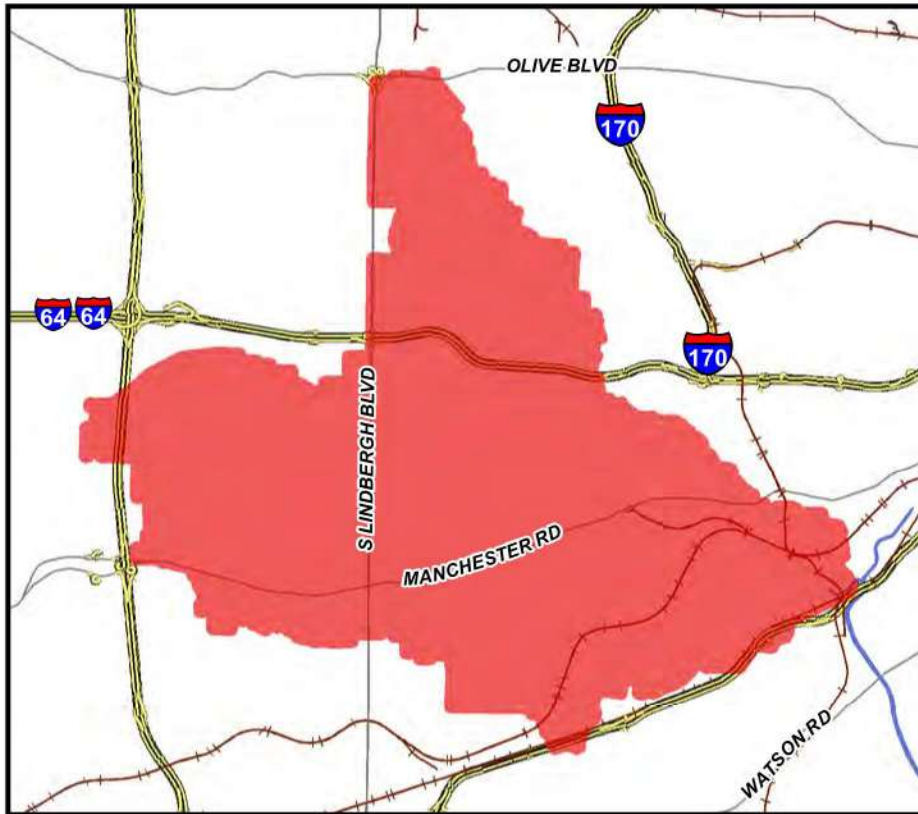
Martigney Creek

## EXPENSE TYPE:

Capital



# EASEMENT ACQUISITION FOR DEER CREEK OMCI PROJECTS (2021)



**FISCAL YEAR:** 2022

**PROJECT NO:** 13474

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
13

**TASK NAME:**  
Property Rights  
Acquisition

## Description of Problem/Issue

DEER CREEK OMCI STORMWATER PROJECTS REQUIRE ACQUISITION OF PROPERTY RIGHTS TO ENABLE CONSTRUCTION OF IMPROVEMENTS.

**BUDGET:**

\$350,000

**FUND:**

5566 - Deer Creek  
OMCI Fund

## Scope of Project

EASEMENT ACQUISITION APPROPRIATION FOR STORMWATER PROJECTS TO BE FUNDED BY THE DEER CREEK OMCI.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Lemay/RDP

## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

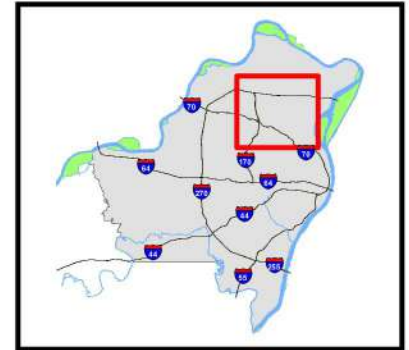
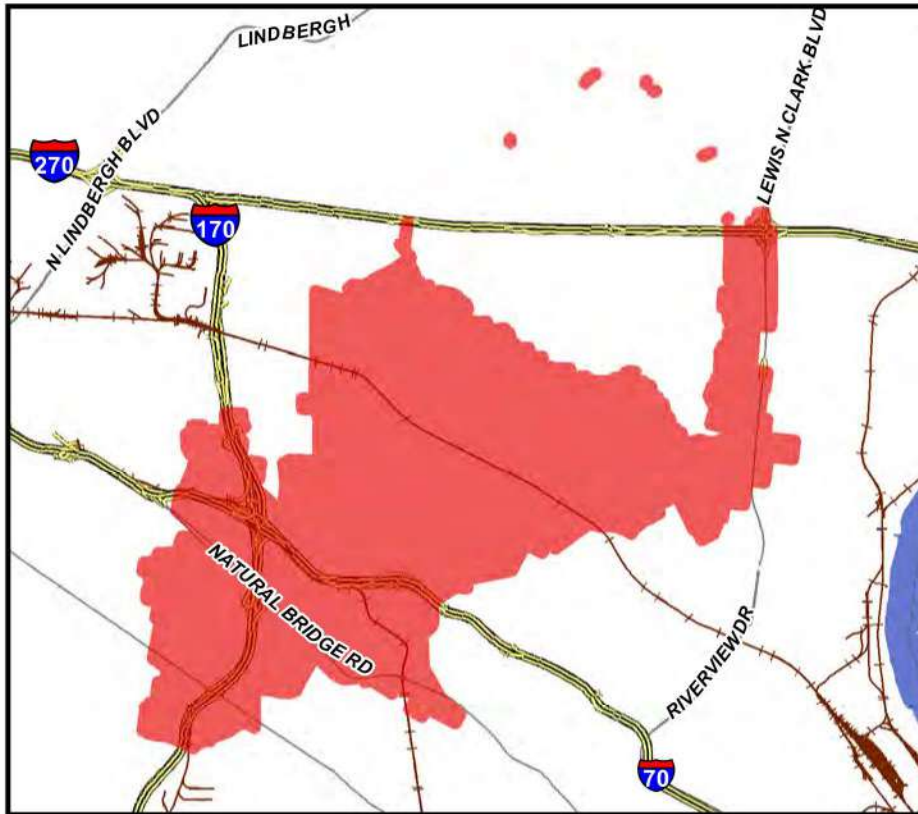
**WATERSHED:**

Deer Creek

**EXPENSE TYPE:**

Asset Management

# EASEMENT ACQUISITION FOR MALINE OMCI PROJECTS (2021)



**FISCAL YEAR:** 2022

**PROJECT NO:** 13476

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
13

**TASK NAME:**  
Property Rights  
Acquisition

## Description of Problem/Issue

MALINE OMCI STORMWATER PROJECTS REQUIRE ACQUISITION OF PROPERTY RIGHTS TO ENABLE CONSTRUCTION OF IMPROVEMENTS.

**BUDGET:**  
\$80,000

**FUND:**  
5576 - Maline Creek  
OMCI Fund

## Scope of Project

EASEMENT ACQUISITION APPROPRIATION FOR STORMWATER PROJECTS TO BE FUNDED BY THE MALINE OMCI.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Bissell

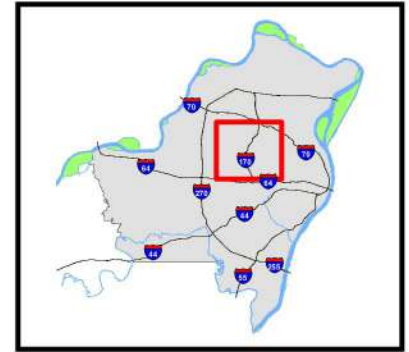
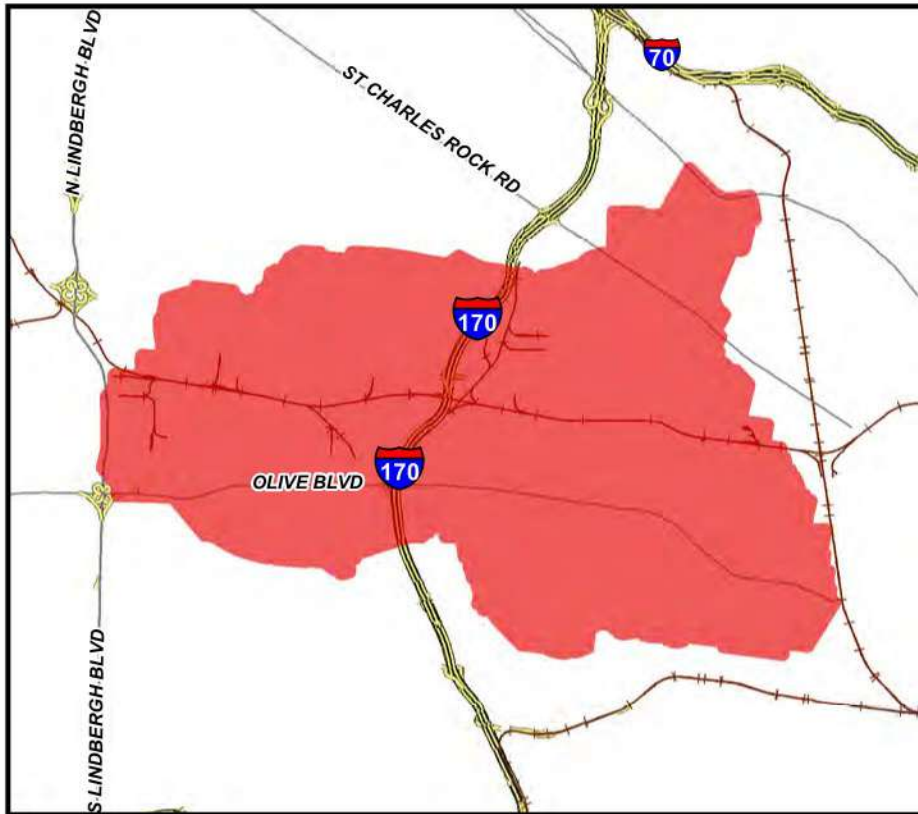
## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

**WATERSHED:**  
Maline Creek

**EXPENSE TYPE:**  
Asset Management

# EASEMENT ACQUISITION FOR UNIVERSITY CITY OMCI PROJECTS (2021)



**FISCAL YEAR:** 2022

**PROJECT NO:** 13475

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
13

**TASK NAME:**  
Property Rights  
Acquisition

## Description of Problem/Issue

UNIVERSITY CITY OMCI STORMWATER PROJECTS REQUIRE ACQUISITION OF PROPERTY RIGHTS TO ENABLE CONSTRUCTION OF IMPROVEMENTS.

**BUDGET:**  
\$95,000

**FUND:**  
5584 - University City  
OMCI Fund

## Scope of Project

EASEMENT ACQUISITION APPROPRIATION FOR STORMWATER PROJECTS TO BE FUNDED BY THE UNIVERSITY CITY OMCI.

**MUNICIPALITY:**  
Various

**MAJOR SERVICE AREA:**  
Lemay/RDP

## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

**WATERSHED:**  
University City Branch

**EXPENSE TYPE:**  
Asset Management



# ORCHARD AND WINDSOR LANE STORM SEWER



**FISCAL YEAR:** 2022

**PROJECT NO:** 11598

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

YARD AND GARAGE FLOODING.

## BUDGET:

\$250,000

## FUND:

5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT 579 FEET OF 24-INCH STORM SEWER.

## MUNICIPALITY:

Kirkwood

## MAJOR SERVICE AREA:

Meramec

## Comments/Remarks

## WATERSHED:

Meramec Tributary Areas

## EXPENSE TYPE:

Capital

# RECO AVENUE BANK STABILIZATION



**FISCAL YEAR:** 2022

**PROJECT NO:** 10293

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

EROSION ALONG PARKING LOTS AND DRIVEWAYS.

## BUDGET:

\$250,000

## FUND:

5571 - Gravois Creek  
OMCI Fund

## Scope of Project

CONSTRUCT 595 FEET OF ROCK BLOCK TOE WALL, COMPOSITE  
REVTMENT, AND HEAVY STONE REVTMENT BANK STABILIZATION.

## MUNICIPALITY:

Crestwood

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

## WATERSHED:

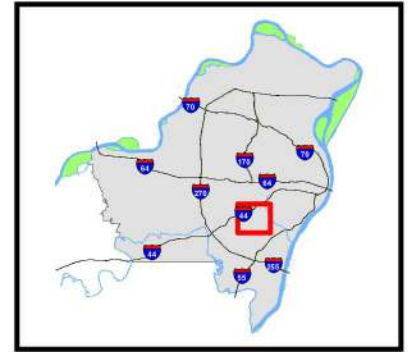
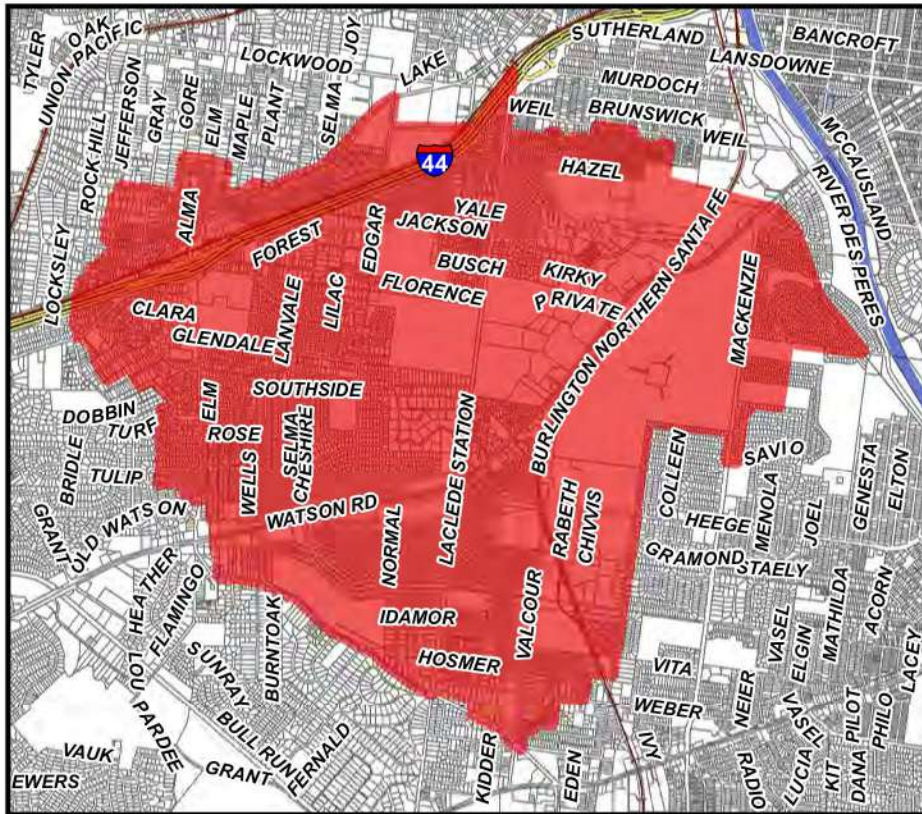
Gravois Creek

## EXPENSE TYPE:

Capital



## SEMINARY OMCI REIMBURSEMENTS PROGRAM

**FISCAL YEAR: 2022**

**PROJECT NO: 13491**

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction, Phase II

### Description of Problem/Issue

STORMWATER ISSUES IN THE SEMINARY OMCI TAXING SUBDISTRICT.

**BUDGET:**

\$124,292

**FUND:**

5593 - Sem Br Of River  
Des Peres OMCI Fund

## Scope of Project

OFFER STORMWATER GRANTS TO MUNICIPALITIES WITHIN THE SEMINARY OMCI.

**MUNICIPALITY:**

## Various

**MAJOR SERVICE AREA:**

Lemay/RDP

### Comments/Remarks

**THIS PROGRAM WILL OFFER GRANT REIMBURSEMENTS TO MUNICIPALITIES TO PROMOTE RESOLUTION OF STORMWATER ISSUES.**

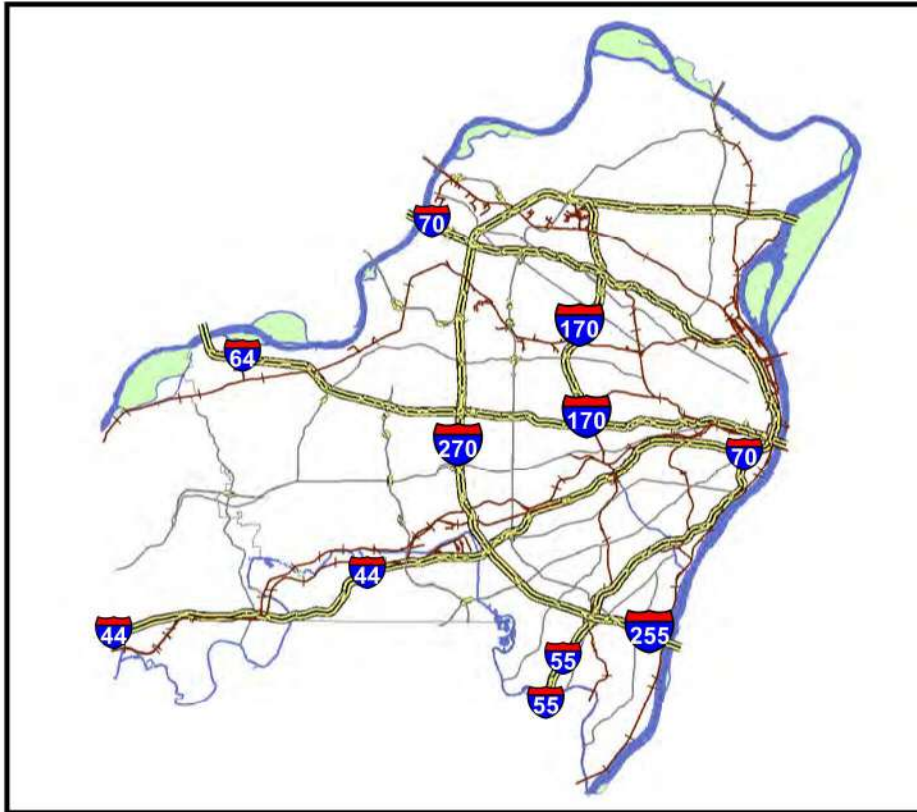
**WATERSHED:**

Seminary Branch

**EXPENSE TYPE:**

Non-recurring

# STORMWATER INFRASTRUCTURE REPAIRS (2022)



**FISCAL YEAR:** 2022

**PROJECT NO:** 13005

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
17

**TASK NAME:**  
Work Order Repair Costs  
(Capital)

## Description of Problem/Issue

AGING AND DETERIORATING STORMWATER INFRASTRUCTURE IS IN NEED OF REPAIR AND REPLACEMENT.

**BUDGET:**

\$6,000,000

**FUND:**

5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT REPAIR OR REPLACEMENT OF STORMWATER INFRASTRUCTURE THROUGHOUT THE DISTRICT.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

PROJECT MAY INCLUDE BOTH CAPITAL AND NON-CAPITAL SERVICES.

**WATERSHED:**

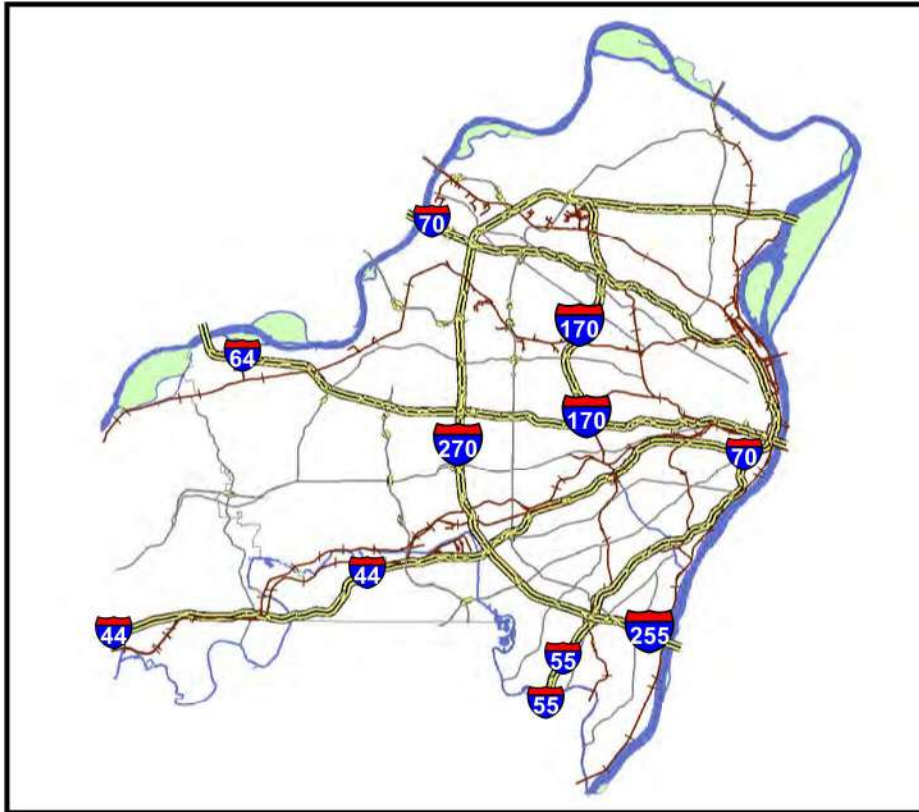
Various

**EXPENSE TYPE:**

Asset Management



# STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2022)



**FISCAL YEAR:** 2022

**PROJECT NO:** 13127

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

DETERIORATED AND DAMAGED STORMWATER SEWER LINES CAUSE PIPE COLLAPSES, BLOCKED SEWERS, AND STREET AND YARD FLOODING.

## BUDGET:

\$2,000,000

## FUND:

5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT CURED-IN-PLACE PIPE INSTALLATION FOR STORMWATER SYSTEM REHABILITATION AND REPAIR, AS NEEDS ARE IDENTIFIED BY SEWER CLEANING AND INSPECTION EFFORTS.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Various

## Comments/Remarks

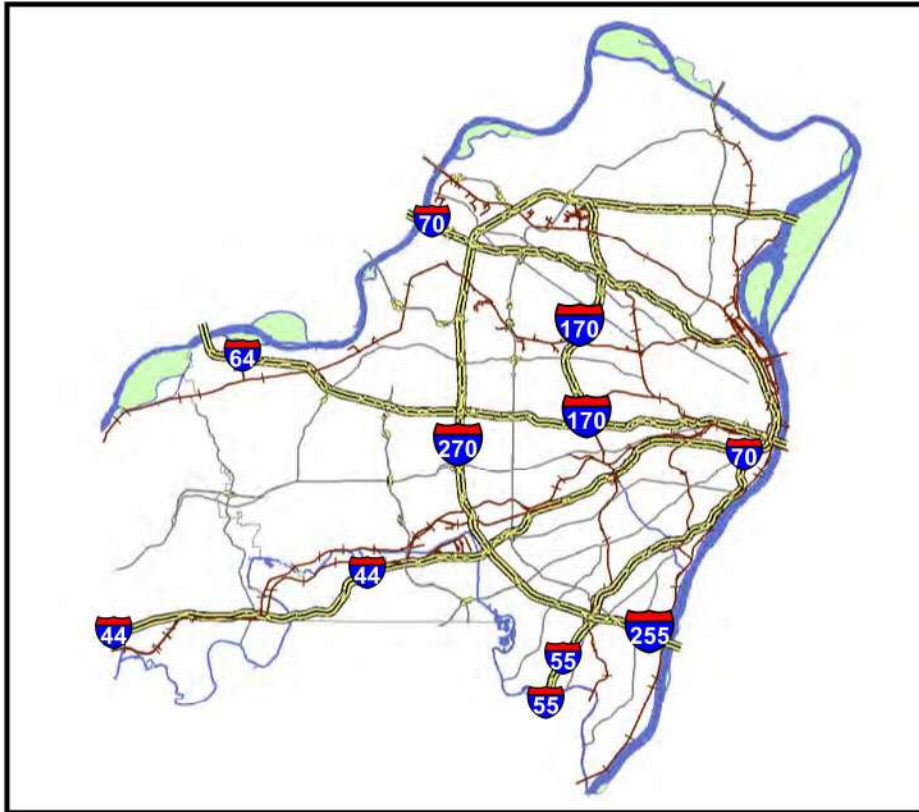
## WATERSHED:

Various

## EXPENSE TYPE:

Capital

# STORMWATER QUALITY GREEN INFRASTRUCTURE - SMALL GRANT RAINSCAPING PROGRAM



**FISCAL YEAR:** 2022

**PROJECT NO:** 13352

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

RAINSCAPING NEEDED TO ADDRESS WATER QUALITY OF STORMWATER RUNOFF THROUGH PUBLIC PARTICIPATION.

**BUDGET:**

\$200,000

**FUND:**

5110 - Stormwater  
Regulatory Fund

## Scope of Project

SMALL GRANT PROGRAM TO FUND CONSTRUCTION AND ENCOURAGE THE USE OF RAINSCAPING TECHNIQUES BY INDIVIDUAL LANDOWNERS.

**MUNICIPALITY:**

Various

**MAJOR SERVICE AREA:**

Various

## Comments/Remarks

**WATERSHED:**

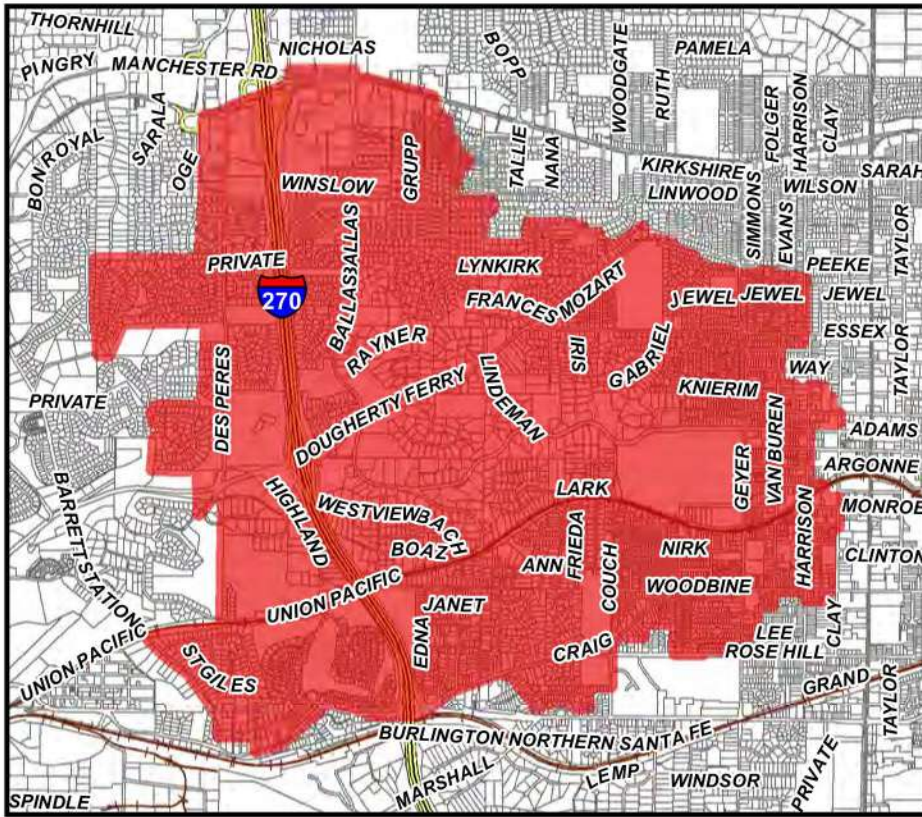
Various

**EXPENSE TYPE:**

Non-recurring



# SUGAR CREEK OMCI REIMBURSEMENTS PROGRAM

**FISCAL YEAR: 2022**

**PROJECT NO: 13490**

**PROJECT TYPE:**

## Stormwater

**TASK NO:**

15

**TASK NAME:**

## Construction, Phase II

### Description of Problem/Issue

**STORMWATER ISSUES IN THE SUGAR CREEK OMCI TAXING SUBDISTRICT.**

**BUDGET:**

\$149,498

**FUND:**

5583 - Sugar Creek  
OMCI Fund

**MUNICIPALITY:**

## Various

**MAJOR SERVICE AREA:**

Meramec

**WATERSHED:**

## Sugar Creek

**EXPENSE TYPE:**

Non-recurring

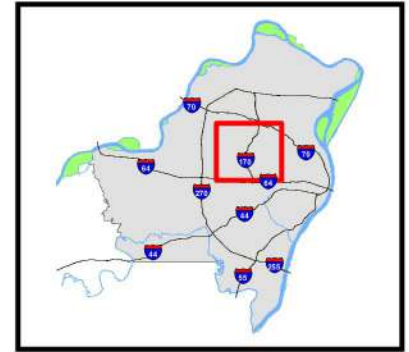
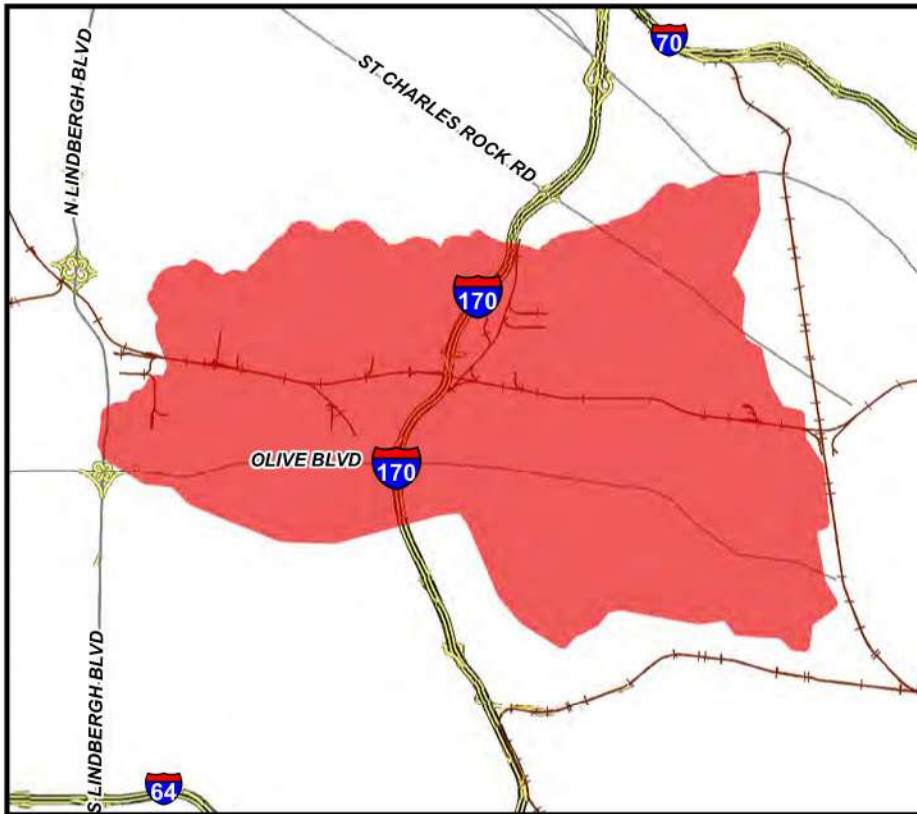
## Scope of Project

**OFFER STORMWATER GRANTS TO MUNICIPALITIES WITHIN THE SUGAR CREEK OMCI.**

### Comments/Remarks

**THIS PROGRAM WILL OFFER GRANT REIMBURSEMENTS TO MUNICIPALITIES TO PROMOTE RESOLUTION OF STORMWATER ISSUES.**

# UNIVERSITY CITY OMCI REIMBURSEMENTS PROGRAM



**FISCAL YEAR:** 2022

**PROJECT NO:** 13489

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction, Phase II

## Description of Problem/Issue

STORMWATER ISSUES IN THE UNIVERSITY CITY OMCI TAXING SUBDISTRICT.

## BUDGET:

\$495,049

## FUND:

5584 - University City  
OMCI Fund

## Scope of Project

OFFER STORMWATER GRANTS TO MUNICIPALITIES WITHIN THE UNIVERSITY CITY OMCI.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

THIS PROGRAM WILL OFFER GRANT REIMBURSEMENTS TO MUNICIPALITIES TO PROMOTE RESOLUTION OF STORMWATER ISSUES.

## WATERSHED:

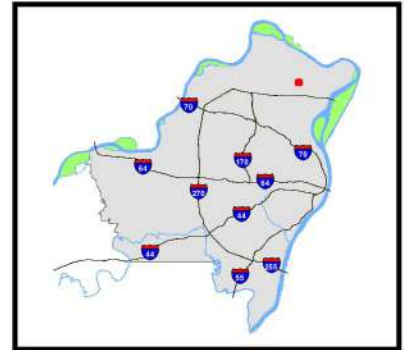
University City Branch

## EXPENSE TYPE:

Non-recurring



# WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 10351

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

CREEK BANK EROSION ALONG PROPERTIES BETWEEN LA PADERA LANE AND EL CAMARA DRIVE.

## BUDGET:

\$395,000

## FUND:

5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT 1,160 LINEAR FEET OF ROCK LINING AND BIOSTABILIZATION.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

PROJECT TO BE SPLIT FUNDED BETWEEN FUNDS 5587 AND 5120. USE OF FUND 5587 WILL BE MAXIMIZED, TO SPEND DOWN THIS OMCI FUND BALANCE.

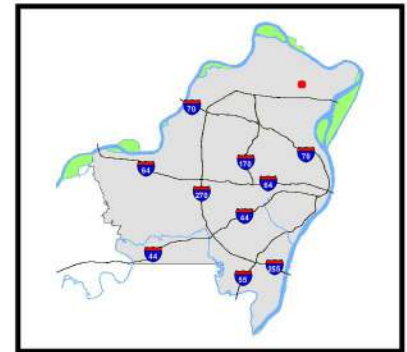
## WATERSHED:

Watkins Creek

## EXPENSE TYPE:

Non-recurring

# WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT



**FISCAL YEAR:** 2022

**PROJECT NO:** 10351

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

CREEK BANK EROSION ALONG PROPERTIES BETWEEN LA PADERA LANE AND EL CAMARA DRIVE.

## BUDGET:

\$486,000

## FUND:

5587 - Watkins Creek  
OMCI Fund

## Scope of Project

CONSTRUCT 1,160 LINEAR FEET OF ROCK LINING AND BIOSTABILIZATION.

## MUNICIPALITY:

Unincorporated

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

PROJECT TO BE SPLIT FUNDED BETWEEN FUNDS 5587 AND 5120. USE OF FUND 5587 WILL BE MAXIMIZED, TO SPEND DOWN THIS OMCI FUND BALANCE.

## WATERSHED:

Watkins Creek

## EXPENSE TYPE:

Non-recurring

**STORMWATER CONTINUED PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>REASON PROJECT CONTINUED</u></b>	<b><u>COST ESTIMATE</u></b>
10880	SIMS AVE STORM BUYOUT	PROJECT CONTINUED DUE TO COORDINATION WITH PROPERTY OWNERS. ANTICIPATE BOARD INTRODUCTION IN MARCH 2022.	\$200,000
11224	TIMBER TRAIL - BRIAR RIDGE CHANNEL IMPROVEMENTS	PROJECT CONTINUED DUE TO COORDINATION WITH THE CITY OF FRONTENAC. ANTICIPATE BOARD INTRODUCTION IN SEPTEMBER 2021.	\$249,000
			<b><i>TOTAL:</i></b> <u><b>\$449,000</b></u>

**STORMWATER CONTINGENCY PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>COST ESTIMATE</u></b>	<b><u>PAGE</u></b>
13285	CLAYTON CITY HALL STORM SEWER	\$1,590,000	163
11179	EVERMAN AVE 9518 STORM SEWER	\$280,000	164
10070	HALL STREET STORM SEWERS	\$100,000	165
10070	HALL STREET STORM SEWERS	\$7,000,000	166
11273	REASOR DRIVE STORM SEWER	\$465,000	167
<b><i>TOTAL:</i></b>		<b>\$9,435,000</b>	



# CLAYTON CITY HALL STORM SEWER



**FISCAL YEAR:** 2023

**PROJECT NO:** 13285

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

STORM SEWER SURCHARGING AND FLOODING OF A CITY OF CLAYTON PARKING GARAGE UNDERGROUND LEVEL.

## BUDGET:

\$1,590,000

## FUND:

5563 - Clayton Central  
OMCI Fund

## Scope of Project

CONSTRUCT 360 FEET OF 12-INCH TO 36-INCH STORM SEWER.

## MUNICIPALITY:

Clayton

## MAJOR SERVICE AREA:

Lemay/RDP

## Comments/Remarks

PROJECT MAY BE CONSTRUCTED BY THE CITY OF CLAYTON UNDER A FUNDING AGREEMENT WITH THE DISTRICT, DUE TO THE IMPACT ON CITY FACILITIES.

## WATERSHED:

Deer Creek

## EXPENSE TYPE:

Capital

# EVERMAN AVE 9518 STORM SEWER



**FISCAL YEAR:** 2023

**PROJECT NO:** 11179

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

YARD FLOODING, PONDING, AND BASEMENT FLOODING.

## BUDGET:

\$280,000

## FUND:

5564 - Coldwater Creek  
OMCI Fund

## Scope of Project

CONSTRUCT 500 FEET OF 15-INCH TO 18-INCH STORM SEWER.

## MUNICIPALITY:

Overland

## MAJOR SERVICE AREA:

Coldwater

## Comments/Remarks

## WATERSHED:

Coldwater Creek

## EXPENSE TYPE:

Non-recurring



# HALL STREET STORM SEWERS



**FISCAL YEAR:** 2023

**PROJECT NO:** 10070

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
11

**TASK NAME:**  
Engineering During  
Construction Services

## Description of Problem/Issue

STREET FLOODING ALONG HALL STREET FROM ADELAIDE TO RIVERVIEW DRIVE.

**BUDGET:**

\$100,000

**FUND:**

5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT 5,500 FEET OF 12-INCH TO 66-INCH STORM SEWER, 523 FEET OF 72-INCH TUNNEL, AND 16,800 FEET OF DRAINAGE DITCH ALONG HALL STREET.

**MUNICIPALITY:**

St. Louis City

**MAJOR SERVICE AREA:**

Bissell

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 24. TOTAL CONSTRUCTION BUDGET IS \$10,920,000.

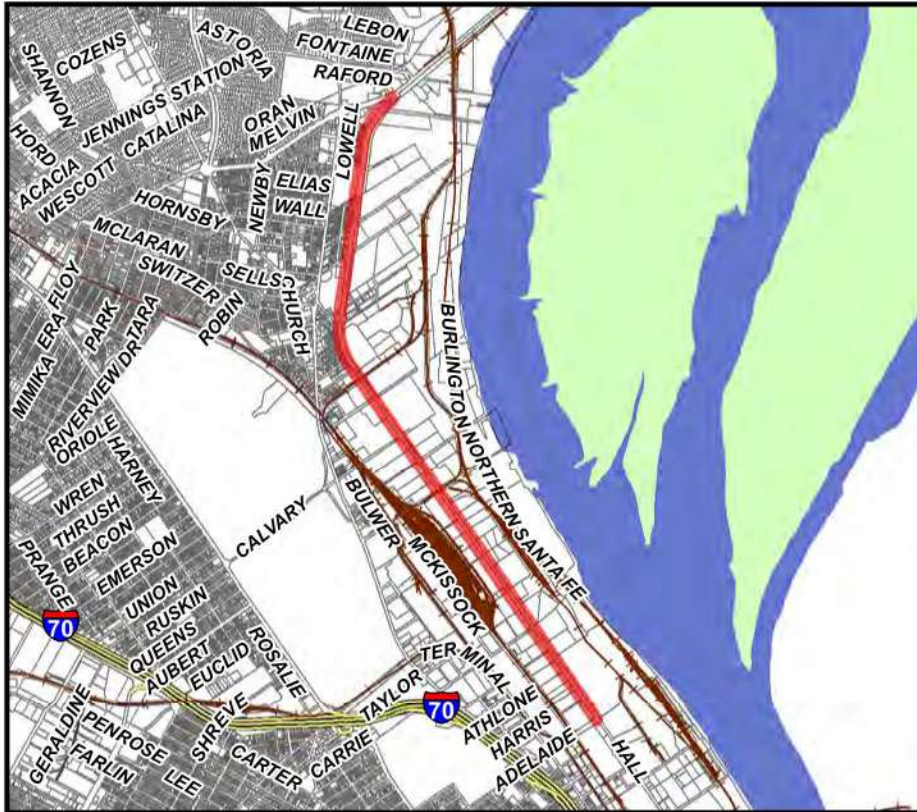
**WATERSHED:**

Various

**EXPENSE TYPE:**

Capital

# HALL STREET STORM SEWERS



**FISCAL YEAR:** 2023

**PROJECT NO:** 10070

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

STREET FLOODING ALONG HALL STREET FROM ADELAIDE TO RIVERVIEW DRIVE.

## BUDGET:

\$7,000,000

## FUND:

5120 - Districtwide  
Stormwater Fund

## Scope of Project

CONSTRUCT 5,500 FEET OF 12-INCH TO 66-INCH STORM SEWER, 523 FEET OF 72-INCH TUNNEL, AND 16,800 FEET OF DRAINAGE DITCH ALONG HALL STREET.

## MUNICIPALITY:

St. Louis City

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

PROJECT RECEIVES PARTIAL FUNDING / SUPPLEMENTAL APPROPRIATION IN FY 24. TOTAL CONSTRUCTION BUDGET IS \$10,920,000.

## WATERSHED:

Various

## EXPENSE TYPE:

Capital



# REASOR DRIVE STORM SEWER



**FISCAL YEAR:** 2023

**PROJECT NO:** 11273

**PROJECT TYPE:**  
Stormwater

**TASK NO:**  
15

**TASK NAME:**  
Construction

## Description of Problem/Issue

MISCELLANEOUS STRUCTURE AND YARD FLOODING.

## BUDGET:

\$465,000

## FUND:

5564 - Coldwater Creek  
OMCI Fund

## Scope of Project

CONSTRUCT 870 FEET OF 15-INCH TO 24-INCH STORM SEWER.

## MUNICIPALITY:

Various

## MAJOR SERVICE AREA:

Bissell

## Comments/Remarks

## WATERSHED:

Maline Creek

## EXPENSE TYPE:

Capital

**STORMWATER PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b>5110 - STORMWATER REGULATORY FUND</b>				
12842	GSA - (Planning) Operating Fund	GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2021)	Various	\$100,000
13352	Construction	STORMWATER QUALITY GREEN INFRASTRUCTURE - SMALL GRANT RAINSCAPING PROGRAM	Various	\$200,000
<b>FUND TOTAL:</b>				<b>\$300,000</b>
<b>5120 - DISTRICTWIDE STORMWATER FUND</b>				
11408	Construction	BROADHEAD #921 STORM SEWER	Unincorporated	\$265,000
11535	Construction	DEKAMAY DRIVE STORM SEWER (MGJB- 130)	Unincorporated	\$355,000
10070	Design Services (Supplemental Appropriation)	HALL STREET STORM SEWERS	St. Louis City	\$500,000
11598	Construction	ORCHARD AND WINDSOR LANE STORM SEWER	Kirkwood	\$250,000
13595	Vendor Services	STORMWATER ASSET INVESTIGATIONS (2022)	Various	\$800,000
13005	Work Order Repair Costs (Capital)	STORMWATER INFRASTRUCTURE REPAIRS (2022)	Various	\$6,000,000
13127	Construction	STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2022)	Various	\$2,000,000
10351	Construction	WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT	Unincorporated	\$395,000
<b>FUND TOTAL:</b>				<b>\$10,565,000</b>
<b>5564 - COLDWATER CREEK OMCI FUND</b>				
13488	Construction, Phase II	COLDWATER CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$1,076,519
<b>FUND TOTAL:</b>				<b>\$1,076,519</b>
<b>5566 - DEER CREEK OMCI FUND</b>				
13487	Construction, Phase II	DEER CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$1,958,164
13474	Property Rights Acquisition	EASEMENT ACQUISITION FOR DEER CREEK OMCI PROJECTS (2021)	Various	\$350,000
11224	Construction	TIMBER TRAIL - BRIAR RIDGE CHANNEL IMPROVEMENTS	Frontenac	\$249,000



**STORMWATER PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b><i>FUND TOTAL:</i></b>				<b>\$2,557,164</b>
<b>5571 - GRAVOIS CREEK OMCI FUND</b>				
11937	Professional Services	GRAVOIS CREEK OMCI STORMWATER DESIGN (CONTRACT F)	Various	\$30,000
10293	Construction	RECO AVENUE BANK STABILIZATION	Crestwood	\$250,000
<b><i>FUND TOTAL:</i></b>				<b>\$280,000</b>
<b>5576 - MALINE CREEK OMCI FUND</b>				
13476	Property Rights Acquisition	EASEMENT ACQUISITION FOR MALINE OMCI PROJECTS (2021)	Various	\$80,000
<b><i>FUND TOTAL:</i></b>				<b>\$80,000</b>
<b>5583 - SUGAR CREEK OMCI FUND</b>				
13490	Construction, Phase II	SUGAR CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$149,498
<b><i>FUND TOTAL:</i></b>				<b>\$149,498</b>
<b>5584 - UNIVERSITY CITY OMCI FUND</b>				
13475	Property Rights Acquisition	EASEMENT ACQUISITION FOR UNIVERSITY CITY OMCI PROJECTS (2021)	Various	\$95,000
10880	Land Purchase	SIMS AVE STORM BUYOUT	Overland	\$200,000
13489	Construction, Phase II	UNIVERSITY CITY OMCI REIMBURSEMENTS PROGRAM	Various	\$495,049
<b><i>FUND TOTAL:</i></b>				<b>\$790,049</b>
<b>5587 - WATKINS CREEK OMCI FUND</b>				
10351	Construction	WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT	Unincorporated	\$486,000
<b><i>FUND TOTAL:</i></b>				<b>\$486,000</b>
<b>5593 - SEM BR OF RIVER DES PERES OMCI FUND</b>				
13491	Construction, Phase II	SEMINARY OMCI REIMBURSEMENTS PROGRAM	Various	\$124,292
<b><i>FUND TOTAL:</i></b>				<b>\$124,292</b>

**STORMWATER PROJECTS - FY22**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
			<b>GRAND TOTAL:</b>	<b>\$16,408,522</b>

**STORMWATER PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b>5110 - STORMWATER REGULATORY FUND</b>				
12842	GSA - (Planning) Operating Fund	GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2021)	Various	\$100,000
13352	Construction	STORMWATER QUALITY GREEN INFRASTRUCTURE - SMALL GRANT RAINSCAPING PROGRAM	Various	\$200,000
<b>FUND TOTAL:</b>				<b>\$300,000</b>
<b>5120 - DISTRICTWIDE STORMWATER FUND</b>				
10070	Engineering During Construction Services	HALL STREET STORM SEWERS	St. Louis City	\$100,000
10070	Construction	HALL STREET STORM SEWERS	St. Louis City	\$7,000,000
11530	Construction	LARIMORE STORM SEWER	Unincorporated	\$3,000,000
13595	Vendor Services	STORMWATER ASSET INVESTIGATIONS (2022)	Various	\$800,000
13006	Work Order Repair Costs (Capital)	STORMWATER INFRASTRUCTURE REPAIRS (2023)	Various	\$4,000,000
13128	Construction	STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2023)	Various	\$3,000,000
<b>FUND TOTAL:</b>				<b>\$17,900,000</b>
<b>5563 - CLAYTON CENTRAL OMCI FUND</b>				
13285	Construction	CLAYTON CITY HALL STORM SEWER	Clayton	\$1,590,000
<b>FUND TOTAL:</b>				<b>\$1,590,000</b>
<b>5564 - COLDWATER CREEK OMCI FUND</b>				
13488	Construction, Phase II	COLDWATER CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$1,076,519
11179	Construction	EVERMAN AVE 9518 STORM SEWER	Overland	\$280,000
10895	Construction	FAIRWAY CT 3901 BANK STABILIZATION	St. Ann	\$265,000
11325	Construction	NORTH NEW FLORISSANT - FOX RUN STORM SEWER	Florissant	\$614,000
11273	Construction	REASOR DRIVE STORM SEWER	Various	\$465,000

**STORMWATER PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
11133	Construction	SHERWOOD DR. #2790 STORM SEWER	Unincorporated	\$228,000
<b>FUND TOTAL:</b>				<b>\$2,928,519</b>

**5565 - CREVE COEUR FRONTENAC OMCI FUND**

12940	Design Services	CLERBROOK LANE STORM SEWER (LADUE 1608.03)	Ladue	\$80,000
<b>FUND TOTAL:</b>				<b>\$80,000</b>

**5566 - DEER CREEK OMCI FUND**

12911	Construction	BALLAS MEADOWS DR 12403 STORM SEWER IMPROVEMENTS	Des Peres	\$131,000
11176	Construction	BALLAS RD. - BALWYCK LN. BANK STABILIZATION	Des Peres	\$285,000
12469	Construction	BEUCAIRE DRIVE - MARK DRIVE - MONACO DRIVE STORM SEWER	Warson Woods	\$490,000
12703	Construction	DANIEL ROAD STORM SEWER RELIEF	Ladue	\$477,000
11205	Construction	DEARBORN DR STORM SEWER	Warson Woods	\$225,000
13487	Construction, Phase II	DEER CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$1,958,164
10587	Construction	EAST ESSEX AVE 802 - 804 STORM SEWER	Glendale	\$290,000
11226	Construction	FIRETHORN DR 2050 STORM IMPROVEMENTS	Frontenac	\$440,000
11471	Construction	HIGHGATE - ENFIELD STORM SEWER	Olivette	\$370,000
12900	Construction	LITZSINGER #10412 STORM SEWER IMPROVEMENTS	Frontenac	\$165,000
11972	Construction	MEADOW CREEK LN 508 STORM SEWER	Warson Woods	\$118,000
11034	Construction	OUTER LADUE AND CHIPPER STORM SEWER	Frontenac	\$770,000
10310	Construction	QUAILWAYS DR. #8 CHANNEL IMPROVEMENTS	Creve Coeur	\$543,000
11161	Construction	WHITEHALL CT - PINE AVE STORM SEWER	Brentwood	\$270,000
<b>FUND TOTAL:</b>				<b>\$6,532,164</b>

**5571 - GRAVOIS CREEK OMCI FUND**

13457	Design Services	SANDERS DRIVE 1009 STORM SEWER	Crestwood	\$100,000
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**STORMWATER PROJECTS - FY23**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
			<b><i>FUND TOTAL:</i></b>	<b>\$100,000</b>
<b>5576 - MALINE CREEK OMCI FUND</b>				
11286	Construction	BALLMAN DRIVE 300 BLOCK STORM SEWER	Ferguson	\$650,000
10394	Construction	DENNIS AND KAPPEL STORM SEWER	Unincorporated	\$415,000
11277	Construction	LONGFORD DRIVE 1851 STORM SEWER	Unincorporated	\$85,000
			<b><i>FUND TOTAL:</i></b>	<b>\$1,150,000</b>
<b>5583 - SUGAR CREEK OMCI FUND</b>				
13490	Construction, Phase II	SUGAR CREEK OMCI REIMBURSEMENTS PROGRAM	Various	\$149,498
			<b><i>FUND TOTAL:</i></b>	<b>\$149,498</b>
<b>5584 - UNIVERSITY CITY OMCI FUND</b>				
11314	Construction	GLENMARY TO WHITE ROSE STORM IMPROVEMENTS	Olivette	\$440,000
11313	Construction	TRENTON AVE 9400 BLOCK CHANNEL IMPROVEMENTS	Overland	\$386,000
13489	Construction, Phase II	UNIVERSITY CITY OMCI REIMBURSEMENTS PROGRAM	Various	\$495,049
			<b><i>FUND TOTAL:</i></b>	<b>\$1,321,049</b>
<b>5593 - SEM BR OF RIVER DES PERES OMCI FUND</b>				
13491	Construction, Phase II	SEMINARY OMCI REIMBURSEMENTS PROGRAM	Various	\$124,292
			<b><i>FUND TOTAL:</i></b>	<b>\$124,292</b>
<b>5594 - BLACK CREEK SUBD #455 OMCI FUND</b>				
11472	Construction	BILTMORE DR AND BEMISTON AVE STORM SEWER	Clayton	\$165,000
11001	Design Services	DAYTONA DRIVE STORM SEWER IMPROVEMENTS	Clayton	\$60,000
			<b><i>FUND TOTAL:</i></b>	<b>\$225,000</b>
			<b><i>GRAND TOTAL:</i></b>	<b>\$32,400,522</b>

### **STORMWATER PROJECTS - FY24**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b>5110 - STORMWATER REGULATORY FUND</b>				
13299	GSA - (Planning) Operating Fund	GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2024)	Various	\$100,000
13352	Construction	STORMWATER QUALITY GREEN INFRASTRUCTURE - SMALL GRANT RAINSCAPING PROGRAM	Various	\$200,000
<b>FUND TOTAL:</b>				<b>\$300,000</b>
<b>5120 - DISTRICTWIDE STORMWATER FUND</b>				
10070	Construction (Supplemental Appropriation)	HALL STREET STORM SEWERS	St. Louis City	\$3,920,000
13595	Vendor Services	STORMWATER ASSET INVESTIGATIONS (2022)	Various	\$800,000
13007	Work Order Repair Costs (Capital)	STORMWATER INFRASTRUCTURE REPAIRS (2024)	Various	\$5,000,000
13129	Construction	STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2024)	Various	\$4,000,000
<b>FUND TOTAL:</b>				<b>\$13,720,000</b>
<b>GRAND TOTAL:</b>				<b>\$14,020,000</b>



### **STORMWATER PROJECTS - FY25**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b>5110 - STORMWATER REGULATORY FUND</b>				
13299	GSA - (Planning) Operating Fund	GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2024)	Various	\$100,000
13352	Construction	STORMWATER QUALITY GREEN INFRASTRUCTURE - SMALL GRANT RAINSCAPING PROGRAM	Various	\$200,000
<b>FUND TOTAL:</b>				<b>\$300,000</b>
<b>5120 - DISTRICTWIDE STORMWATER FUND</b>				
13008	Work Order Repair Costs (Capital)	STORMWATER INFRASTRUCTURE REPAIRS (2025)	Various	\$5,000,000
13130	Construction	STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2025)	Various	\$4,000,000
<b>FUND TOTAL:</b>				<b>\$9,000,000</b>
<b>5564 - COLDWATER CREEK OMCI FUND</b>				
12745	Construction	N WATERFORD 2735 STORM IMPROVEMENTS	Florissant	\$84,000
<b>FUND TOTAL:</b>				<b>\$84,000</b>
<b>5565 - CREVE COEUR FRONTENAC OMCI FUND</b>				
12940	Construction	CLERBROOK LANE STORM SEWER (LADUE 1608.03)	Ladue	\$120,000
<b>FUND TOTAL:</b>				<b>\$120,000</b>
<b>5566 - DEER CREEK OMCI FUND</b>				
12940	Construction	CLERBROOK LANE STORM SEWER (LADUE 1608.03)	Ladue	\$120,000
<b>FUND TOTAL:</b>				<b>\$120,000</b>
<b>5571 - GRAVOIS CREEK OMCI FUND</b>				
13457	Construction	SANDERS DRIVE 1009 STORM SEWER	Crestwood	\$370,000
<b>FUND TOTAL:</b>				<b>\$370,000</b>
<b>5576 - MALINE CREEK OMCI FUND</b>				

**STORMWATER PROJECTS - FY25**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
11185	Construction	KATHLYN AND LEITH STORM SEWERS	Berkeley	\$78,000
11289	Construction	KINCAID AVENUE STORM SEWER	St. John	\$68,000
11296	Construction	NEWELL AND NOAH DRIVE STORM SEWER	Ferguson	\$101,000
11294	Construction	TIFFIN AVE TO WESLEY AVE STORM IMPROVEMENTS	Ferguson	\$90,000
<b><i>FUND TOTAL:</i></b>				<b>\$337,000</b>
<b>5583 - SUGAR CREEK OMCI FUND</b>				
11332	Construction	CULLODEN ROAD 819 - 827 STORM SEWER	Kirkwood	\$111,000
10872	Construction	NORTH GEYER AND VILLA GARDEN STORM SEWER	Kirkwood	\$39,000
<b><i>FUND TOTAL:</i></b>				<b>\$150,000</b>
<b>5594 - BLACK CREEK SUBD #455 OMCI FUND</b>				
11001	Construction	DAYTONA DRIVE STORM SEWER IMPROVEMENTS	Clayton	\$193,000
<b><i>FUND TOTAL:</i></b>				<b>\$193,000</b>
<b><i>GRAND TOTAL:</i></b>				<b>\$10,674,000</b>

### **STORMWATER PROJECTS - FY26**

<b><u>PROJECT NUMBER</u></b>	<b><u>TASK DESC</u></b>	<b><u>PROJECT NAME</u></b>	<b><u>MUNICIPALITY</u></b>	<b><u>COST ESTIMATE</u></b>
<b>5110 - STORMWATER REGULATORY FUND</b>				
13299	GSA - (Planning) Operating Fund	GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2024)	Various	\$100,000
13352	Construction	STORMWATER QUALITY GREEN INFRASTRUCTURE - SMALL GRANT RAINSCAPING PROGRAM	Various	\$200,000
<b>FUND TOTAL:</b>				<b>\$300,000</b>
<b>5120 - DISTRICTWIDE STORMWATER FUND</b>				
13009	Work Order Repair Costs (Capital)	STORMWATER INFRASTRUCTURE REPAIRS (2026)	Various	\$5,000,000
13131	Construction	STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2026)	Various	\$4,000,000
<b>FUND TOTAL:</b>				<b>\$9,000,000</b>
<b>5566 - DEER CREEK OMCI FUND</b>				
11168	Construction	BRIARBROOK TRAIL STORM SEWER	Des Peres	\$212,800
11164	Construction	LAWNWOOD DR. #1442 STORM SEWER	Des Peres	\$92,000
<b>FUND TOTAL:</b>				<b>\$304,800</b>
<b>GRAND TOTAL:</b>				<b>\$9,604,800</b>

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12173	FISHPOT TRUNK WEST AND ED LOU LANE I/I REDUCTION (SMITH DR AND VLASIS DR)	WASTEWATER	BALLWIN	91
12272	GRAND GLAIZE TRUNK SANITARY RELIEF (BALLWIN GOLF CLUB TO CLAYMONT COVE CT)	WASTEWATER	BALLWIN	93
12364	OAKWOOD FARMS PUMP STATION (P-470) ELIMINATION	WASTEWATER	BALLWIN	112
12140	CSO - MARY AVENUE SOUTH OF MANCHESTER CSO INTERCEPTOR (I-132)/OUTFALL (L-106) ELIMINATION PHASE II	WASTEWATER	BRENTWOOD	16
13597	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE IB	WASTEWATER	BRENTWOOD	94
12114	CAULKS CREEK PUMP STATION B (P-751) RELOCATION	WASTEWATER	CHESTERFIELD	8
12248	CAULKS CREEK A PUMP STATION (P-750) IMPROVEMENTS	WASTEWATER	CHESTERFIELD	77
12628	SPIRIT 2 FORCEMAIN IMPROVEMENTS (P-736 TO P-750)	WASTEWATER	CHESTERFIELD	57
13568	CLAYTON MERAMEC ELEMENTARY PRIVATE I/I REMOVAL (S. MERAMEC AVE AT WALINCA TER)	WASTEWATER	CLAYTON	78
10293	RECO AVENUE BANK STABILIZATION	STORMWATER	CRESTWOOD	154
12355	MULBERRY CREEK SANITARY RELIEF (HARWICH DR TO S LINDBERGH BLVD)	WASTEWATER	CRESTWOOD	50
12202	SMITH CREEK LADUE ROAD SANITARY RELIEF (ROYAL MANOR DR TO HEWLETT CT)	WASTEWATER	CREVE COEUR	56
13623	SPOEDE ROAD SANITARY SEWER IMPROVEMENTS	WASTEWATER	CREVE COEUR	58
12242	UPPER FISHPOT EAST SANITARY RELIEF (FIELD AVE TO WOLFF LN)	WASTEWATER	ELLISVILLE	64

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12108	BURNING TREE INFRASTRUCTURE REPAIR (N. WATERFORD DR TO FOX RUN DR)	WASTEWATER	FLORISSANT	7
12213	ST. JACQUES SANITARY RELIEF (ST. JACQUES ST TO N LAFAYETTE ST)	WASTEWATER	FLORISSANT	118
12753	CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT	WASTEWATER	HAZELWOOD	75
12753	CAREY CT 1664 SANITARY AND STORM SEWER REPLACEMENT	WASTEWATER	HAZELWOOD	76
11598	ORCHARD AND WINDSOR LANE STORM SEWER	STORMWATER	KIRKWOOD	153
12130	CONWAY ROAD SANITARY RELIEF (CONWAY LN TO DWYER AVE)	WASTEWATER	LADUE	14
12472	DC-02 & DC-03 SANITARY RELIEF (BRENTWOOD BLVD TO CONWAY RD) PHASE III AND PHASE IV	WASTEWATER	LADUE	83
13446	CLAYTON RD 9925 SANITARY SEWER REPLACEMENT	WASTEWATER	LADUE	79
13222	MISSOURI RIVER WWTF DIGESTER GAS STORAGE COVER REPLACEMENT	WASTEWATER	MARYLAND HEIGHTS	111
12110	CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	WASTEWATER	NORTHWOODS	73
12110	CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	WASTEWATER	NORTHWOODS	74
12368	PRICE TO PIONEER SANITARY RELIEF	WASTEWATER	OLIVETTE	113
12300	WOODSON SANITARY RELIEF (FLORA AVE TO LACKLAND RD)	WASTEWATER	OVERLAND	68
11737	ELTORA WET WEATHER STORAGE FACILITY	WASTEWATER	PAGEDALE	19

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12346	MCCUTCHEON RD AND THORNDALL SANITARY RELIEF	WASTEWATER	RICHMOND HEIGHTS	49
12141	CSO - SHREWSBURY AVE CSO INTERCEPTOR (I-293)/OUTFALL (L-166) SEWER SEPARATION	WASTEWATER	SHREWSBURY	17
12615	DEER CREEK SANITARY TUNNEL (CLAYTON RD TO RDP) - PUMP STATION	WASTEWATER	SHREWSBURY	84
12214	ST. JOACHIM'S SANITARY RELIEF (ST. GENEVIEVE LN TO LYNROS DR)	WASTEWATER	ST. ANN	59
12217	ST. MATTHIAS SANITARY RELIEF (ST. SHAWN LN TO STONEHARD DR)	WASTEWATER	ST. ANN	61
10070	HALL STREET STORM SEWERS	STORMWATER	ST. LOUIS CITY	144
10641	HARLEM - BADEN RELIEF PHASE IV (HEBERT) BUILDING DEMOLITION AND DESIGN	WASTEWATER	ST. LOUIS CITY	39
10756	SOUTH BROADWAY AT MERAMEC COMBINED SEWER REPLACEMENT	WASTEWATER	ST. LOUIS CITY	116
12566	BISSELL POINT WWTF TRICKLING FILTER MEDIA REPLACEMENT	WASTEWATER	ST. LOUIS CITY	72
12740	DOLAN PLACE AND GRANDVIEW PLACE COMBINED SEWER RELIEF	WASTEWATER	ST. LOUIS CITY	85
12741	LOUISVILLE AVENUE AND OAKLAND AVENUE COMBINED SEWER RELIEF	WASTEWATER	ST. LOUIS CITY	101
12847	BADEN CITYSHED MITIGATION BASINS (CALVARY, FREDERIK, PARTRIDGE AND TILLIE) - SEPARATION SEWERS	WASTEWATER	ST. LOUIS CITY	69
12922	WATKINS CREEK PUMP STATION (P-101) FORCEMAIN REPLACEMENT (COAL BANK RD TO SPRING GARDEN DR)	WASTEWATER	ST. LOUIS CITY	123
13046	FILLMORE PUMP STATION (P-308) REHABILITATION	WASTEWATER	ST. LOUIS CITY	20



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13292	WASHINGTON TERRACE 14 SEWER REPLACEMENT	WASTEWATER	ST. LOUIS CITY	122
12299	HAWTHORNE ESTATES SANITARY RELIEF (RANCH LN TO CLAYTON HILLS LN)	WASTEWATER	TOWN AND COUNTRY	40
10012	FF-07 FEE FEE CREEK SANITARY RELIEF (MEADOWSIDE DR TO WILLOW BROOK DR)	WASTEWATER	UNINCORPORATED	90
10161	SCHUETZ ROAD SANITARY RELIEF (FOREST BROOK LN TO SUNNY WOOD CT)	WASTEWATER	UNINCORPORATED	114
10351	WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT	STORMWATER	UNINCORPORATED	161
10351	WC-33 LA PADERA - EL CAMARA STORM IMPROVEMENT	STORMWATER	UNINCORPORATED	162
11408	BROADHEAD #921 STORM SEWER	STORMWATER	UNINCORPORATED	146
11535	DEKAMAY DRIVE STORM SEWER (MGJB-130)	STORMWATER	UNINCORPORATED	149
11669	SUB-TRUNK #3 SANITARY RELIEF (MURIEL DR TO JENNER LN)	WASTEWATER	UNINCORPORATED	120
11711	JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)	WASTEWATER	UNINCORPORATED	41
11711	JEFFERSON BARRACKS TUNNEL (LEMAY WWTP TO MARTIGNEY PS)	WASTEWATER	UNINCORPORATED	99

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11724	COLDWATER SANITARY RELIEF SECTION B, C & D - SECTION B REHABILITATION	WASTEWATER	UNINCORPORAT ED	80
11943	LINDBERGH SANITARY RELIEF (MEADOWSIDE DR TO N LINDBERGH BLVD)	WASTEWATER	UNINCORPORAT ED	43
12079	ARV ELLEN SANITARY RELIEF (TESSON CREEK ESTATES DR TO MADAFORD LN)	WASTEWATER	UNINCORPORAT ED	1
12153	EARTH CITY EXPRESSWAY PUMP STATION (P- 708) REPLACEMENT	WASTEWATER	UNINCORPORAT ED	86
12166	FENTON CREEK PUMP STATION (P-425) IMPROVEMENTS	WASTEWATER	UNINCORPORAT ED	89
12212	ST. GEORGE CREEK SANITARY RELIEF (DAISY LN TO GRAVOIS RD TO NEW HAMPSHIRE AVE)	WASTEWATER	UNINCORPORAT ED	117
12221	SUB-TRUNK #2 SANITARY RELIEF (BIRMINGHAM CT TO COVE LN)	WASTEWATER	UNINCORPORAT ED	119
12255	LOWER MERAMEC WWTF EXPANSION PHASE II	WASTEWATER	UNINCORPORAT ED	47
12255	LOWER MERAMEC WWTF EXPANSION PHASE II	WASTEWATER	UNINCORPORAT ED	48
12255	LOWER MERAMEC WWTF EXPANSION PHASE II	WASTEWATER	UNINCORPORAT ED	107
12271	WATKINS-SPANISH SANITARY RELIEF (MALAGA ST TO TRAMPE AVE)	WASTEWATER	UNINCORPORAT ED	65

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12326	DANIEL BOONE - LAWNVIEW CREEK I/I REDUCTION	WASTEWATER	UNINCORPORAT ED	18
12360	NORMANDIE SANITARY RELIEF (PAGE AVE TO SAINT CHARLES ROCK ROAD)	WASTEWATER	UNINCORPORAT ED	51
12491	WATKINS CREEK PUMP STATION (P-101) REPLACEMENT	WASTEWATER	UNINCORPORAT ED	124
13082	LOWER MERAMEC WWTF FITTING REPLACEMENT	WASTEWATER	UNINCORPORAT ED	108
13407	LOWER MERAMEC WWTF - SOLIDS HANDLING EQUIPMENT REPLACEMENT	WASTEWATER	UNINCORPORAT ED	105
13408	LOWER MERAMEC WWTF - INFLUENT PUMP STATION IMPROVEMENTS	WASTEWATER	UNINCORPORAT ED	104
13409	LOWER MERAMEC WWTF - ADMINISTRATION BUILDING FACILITY IMPROVEMENTS	WASTEWATER	UNINCORPORAT ED	103
13518	LOWER MERAMEC WWTF CORROSION AND HUMIDITY CONTROL IMPROVEMENTS PHASE II	WASTEWATER	UNINCORPORAT ED	106
13599	EARTH CITY UPS PUMP STATION (P-702) REPLACEMENT PHASE II	WASTEWATER	UNINCORPORAT ED	87
10024	MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	WASTEWATER	VARIOUS	110
10024	MC-02 WATSON TO EDGAR RD SANITARY RELIEF (SKME-580A)	WASTEWATER	VARIOUS	109
10766	STREAM FLOW GAUGE OPERATION AND MAINTENANCE (USGS)	UNALLOCATED	VARIOUS	62

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11109	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	WASTEWATER	VARIOUS	44
11109	LOWER & MIDDLE RDP CSO CONTROLS SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	WASTEWATER	VARIOUS	45
11146	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE	WASTEWATER	VARIOUS	81
11151	CONSTRUCTION MANAGEMENT SERVICES - TANK/TREATMENT/PUMP STATION FACILITIES	WASTEWATER	VARIOUS	13
11152	CONSTRUCTION MANAGEMENT SERVICES - LOWER AND MIDDLE RDP TUNNEL FACILITIES	WASTEWATER	VARIOUS	11
11153	RDPT TRIBUTARIES & UPPER RDP CSO CONTROLS & LOWER MERAMEC SYSTEM IMPROVEMENTS (WATERSHED CONSULTANT)	WASTEWATER	VARIOUS	54
11701	PUMP STATION REPLACEMENT PROJECTS (PHASE I)	WASTEWATER	VARIOUS	52
11746	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	WASTEWATER	VARIOUS	46
11746	LOWER MERAMEC RIVER SYSTEM IMPROVEMENTS - BAUMGARTNER TO FENTON WWTF TUNNEL	WASTEWATER	VARIOUS	102
11826	CONSTRUCTION MANAGEMENT SERVICES - LOWER MERAMEC AND DEER CREEK TUNNELS	WASTEWATER	VARIOUS	12
11937	GRAVOIS CREEK OMCI STORMWATER DESIGN (CONTRACT F)	STORMWATER	VARIOUS	143
12000	CCTV INSPECTION AND PHYSICAL INSPECTION OF SEWERS (2020)	WASTEWATER	VARIOUS	9
12004	STREAM FLOW WATER QUALITY SAMPLING (2020)	UNALLOCATED	VARIOUS	63
12006	RADAR RAINFALL DATA (2020)	WASTEWATER	VARIOUS	53

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12175	GEYER SANITARY RELIEF AND WINDSOR SPRINGS P-521 STORAGE (BIG BEND BLVD TO WINDSOR SPRINGS DR)	WASTEWATER	VARIOUS	92
12201	SHREWSBURY SANITARY RELIEF SEWER AND I/I REDUCTION (WEIL AVE AND I-44)	WASTEWATER	VARIOUS	115
12334	HAMPTON CREEK SANITARY RELIEF (DEER CREEK TRUNK TO OXFORD DR) PHASE I	WASTEWATER	VARIOUS	38
12387	GENERAL SERVICES AGREEMENT - CONSTRUCTION MANAGEMENT (2022)	WASTEWATER	VARIOUS	22
12565	BISSELL & LEMAY WWTF FLUIDIZED BED INCINERATORS	WASTEWATER	VARIOUS	2
12584	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT A	WASTEWATER	VARIOUS	70
12586	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT D	WASTEWATER	VARIOUS	4
12587	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT E	WASTEWATER	VARIOUS	5
12590	LEMAY PUBLIC I/I REDUCTION AND REHABILITATION (2022) CONTRACT A	WASTEWATER	VARIOUS	100
12801	FLOW METERING AND MONITORING (2022)	WASTEWATER	VARIOUS	21
12819	EASEMENT ACQUISITION FOR WASTEWATER PROJECTS (2022)	WASTEWATER	VARIOUS	88
12842	GENERAL SERVICES AGREEMENT - WATER QUALITY SUPPORT SERVICES (2021)	STORMWATER	VARIOUS	142
12894	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2018) CONTRACT B	WASTEWATER	VARIOUS	23
12907	CRITICAL INFRASTRUCTURE ASSESSMENT AND ASSET INVESTIGATION (2020)	WASTEWATER	VARIOUS	15

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12988	INFRASTRUCTURE REPAIRS (WASTEWATER) (2022)	WASTEWATER	VARIOUS	98
12996	INFRASTRUCTURE REPAIRS (FACILITIES) (2022)	WASTEWATER	VARIOUS	95
13005	STORMWATER INFRASTRUCTURE REPAIRS (2022)	STORMWATER	VARIOUS	156
13016	INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT A	WASTEWATER	VARIOUS	96
13017	INFRASTRUCTURE REPAIRS (REHABILITATION) (2022) CONTRACT B	WASTEWATER	VARIOUS	97
13031	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2022) CONTRACT B	WASTEWATER	VARIOUS	71
13033	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT C	WASTEWATER	VARIOUS	3
13078	CSO VOLUME REDUCTION GREEN INFRASTRUCTURE - RIVER DES PERES	WASTEWATER	VARIOUS	82
13087	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT A	UNALLOCATED	VARIOUS	29
13088	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT B	UNALLOCATED	VARIOUS	30
13089	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT C	UNALLOCATED	VARIOUS	31
13090	GENERAL SERVICES AGREEMENT - PROPERTY APPRAISAL (2021) CONTRACT D	UNALLOCATED	VARIOUS	32
13098	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT A	WASTEWATER	VARIOUS	24
13099	GENERAL SERVICES AGREEMENT - FACILITY & SEWER DESIGN (2022) CONTRACT B	WASTEWATER	VARIOUS	25



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13102	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT A	WASTEWATER	VARIOUS	26
13103	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT B	WASTEWATER	VARIOUS	27
13104	GENERAL SERVICES AGREEMENT - GEOTECHNICAL (2022) CONTRACT C	WASTEWATER	VARIOUS	28
13108	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT A	WASTEWATER	VARIOUS	33
13109	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT B	WASTEWATER	VARIOUS	34
13110	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT C	WASTEWATER	VARIOUS	35
13111	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT D	WASTEWATER	VARIOUS	36
13112	GENERAL SERVICES AGREEMENT - SURVEY SERVICES (2022) CONTRACT E	WASTEWATER	VARIOUS	37
13124	BISSELL - COLDWATER - MISSOURI - MERAMEC PUBLIC I/I REDUCTION (2023) CONTRACT F	WASTEWATER	VARIOUS	6
13127	STORMWATER INFRASTRUCTURE REPAIRS (REHABILITATION) (2022)	STORMWATER	VARIOUS	157
13227	L51 PUMP STATION FORCEMAIN IMPROVEMENTS	WASTEWATER	VARIOUS	42
13352	STORMWATER QUALITY GREEN INFRASTRUCTURE - SMALL GRANT RAINSCAPING PROGRAM	STORMWATER	VARIOUS	158
13361	TREVILLIAN 20 AND 50 SANITARY SEWER REPLACEMENT	WASTEWATER	VARIOUS	121
13436	WET WEATHER OPTIMIZATION STUDY	WASTEWATER	VARIOUS	67

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13467	SCADA SYSTEM UPGRADE	WASTEWATER	VARIOUS	55
13474	EASEMENT ACQUISITION FOR DEER CREEK OMCI PROJECTS (2021)	STORMWATER	VARIOUS	150
13475	EASEMENT ACQUISITION FOR UNIVERSITY CITY OMCI PROJECTS (2021)	STORMWATER	VARIOUS	152
13476	EASEMENT ACQUISITION FOR MALINE OMCI PROJECTS (2021)	STORMWATER	VARIOUS	151
13487	DEER CREEK OMCI REIMBURSEMENTS PROGRAM	STORMWATER	VARIOUS	148
13488	COLDWATER CREEK OMCI REIMBURSEMENTS PROGRAM	STORMWATER	VARIOUS	147
13489	UNIVERSITY CITY OMCI REIMBURSEMENTS PROGRAM	STORMWATER	VARIOUS	160
13490	SUGAR CREEK OMCI REIMBURSEMENTS PROGRAM	STORMWATER	VARIOUS	159
13491	SEMINARY OMCI REIMBURSEMENTS PROGRAM	STORMWATER	VARIOUS	155
13595	STORMWATER ASSET INVESTIGATIONS (2022)	STORMWATER	VARIOUS	145
13608	ST. LOUIS COMBINED SEWER OVERFLOWS PROGRAM - CORPS OF ENGINEERS - PHASE II	WASTEWATER	VARIOUS	60
12122	CLARK AVE SANITARY RELIEF (LACLEDE STA RD TO YEATMAN AVE)	WASTEWATER	WEBSTER GROVES	10
12132	WESTWOOD COUNTRY CLUB SANITARY RELIEF (DEER CREEK TO WESTWOOD CT)	WASTEWATER	WESTWOOD	66

# MSD Project Clear

(MSDPC) is two utilities in one - responsible for 9,000+ miles of public wastewater and stormwater sewer systems in the St. Louis region. MSDPC is investing billions of dollars over a generation to improve water quality and minimize wastewater and stormwater issues by maintaining regulatory compliance, planning, designing, and building community rainscaping & system improvements, and an ambitious program of maintenance and repair.

