



METRO WATER RECOVERY

**2023 Annual Budget
Volume I**



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2023 Annual Budget

TABLE OF CONTENTS

	<u>Page</u>
I. Budget Message	M-1
II. Operations and Maintenance Fund	16
2023 Budget Appropriation Summary.....	16
Operations and Maintenance Revenue Fund	17
O&M Revenue Fund Revenues and Expenses	18
Calculation of Annual Charges	19
Metro Water Recovery Summary	20
Summary of Expenses by Object	21
Summary of Expenses by Department /Division	23
Summary of Expenses by Activity	26
Capital Equipment Expenditures	44
Personnel Summary	51
Maintenance Department	60
Operations Department	70
Northern Treatment Plant	81
Resource Recovery and Reuse Department	92
Administrative Services Department	110
Comprehensive Planning Department	113
Engineering Department	115
Environmental Services Department	117
Human Resources Department	120
Information Technology Department	123
Office of General Counsel	125
Office of the Chief Executive Officer	127
Strategy and Communication Department	130
Technology and Innovation Department	133

III. Other Funds	135
General Fund	135
Capital Project Account	136
General Fund - Capital Expenditures	137
Fixed Asset Replacement Fund.....	138
Fixed Asset Replacement Fund - Capital Expenditures	139
Acquisition & Construction Fund	140
Acquisition & Construction Fund - Capital Expenditures	141
Restricted Sewer Connection Charge Account	142
Debt Service Fund	143
IV. Board Resolutions	144

MEMORANDUM

TO: Board of Directors
 Member Municipalities
 Special Connectors

DATE: August 16, 2022

FROM: Mickey Conway, Chief Executive Officer

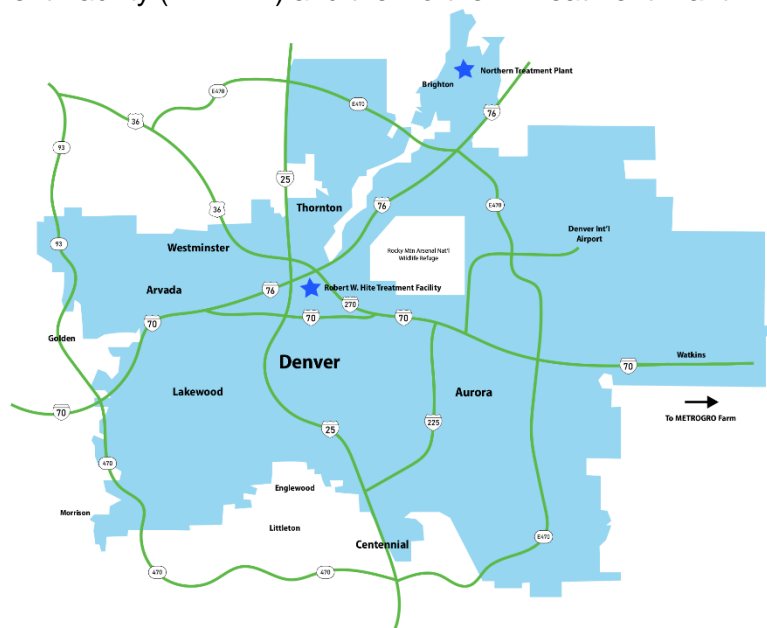
RE: 2023 Operating Budget Message

I am pleased to present the adopted 2023 Operating Budget for Metro Water Recovery (Metro), as required by the *Sewage Treatment and Disposal Agreement (Service Contract)*. The 2023 Operating Budget is a balanced budget with a five percent increase in Annual Charges for Services. The total operating budget appropriation, including debt service, for 2023 is \$161,732,901, which is \$11.8 million more than the total operating budget appropriation for 2022. The total operating budget appropriation does not include capital project expenditures, which are appropriated separately on a project-by-project basis; however, the capital project expenses are projected and included in the statements for each fund.

ABOUT METRO WATER RECOVERY

Metro, a political entity authorized by the State of Colorado, was organized on May 15, 1961, for the purpose of constructing and operating a wastewater transmission and disposal system in the greater Denver metropolitan area. Metro’s 23 municipal and special district members (Member Municipalities) collect wastewater and deliver it to Metro’s interceptor lines. An additional 26 municipalities and sanitation districts (Special Connectors) which collect and deliver wastewater to Metro’s interceptor system have been added since Metro’s inception. Metro treats an average of 135 million gallons per day (mgd) of wastewater for the Member Municipalities and Special Connectors at the Robert W. Hite Treatment Facility (RWHTF) and the Northern Treatment Plant (NTP). The NTP, located in Brighton, began treating wastewater in October 2016. Most of Metro’s biosolids are land applied as a soil amendment on more than 300 permitted sites, including Metro’s 52,000-acre METROGRO Farm (Farm).

Metro’s service area totals approximately 805 square miles, located in all or part of six counties: Adams, Arapahoe, Denver, Douglas, Jefferson, and Weld. In 2018, the six-county area had an estimated total population of 2.2 million, of which Metro estimates it serves an approximate population of two million.



Metro Water Recovery, formally known as the Metro Wastewater Reclamation District, went through a rebranding process in 2021, updating the name and logo. This has allowed Metro to better align itself with the organizational emphasis on One Water, resource recovery, and sustainability.

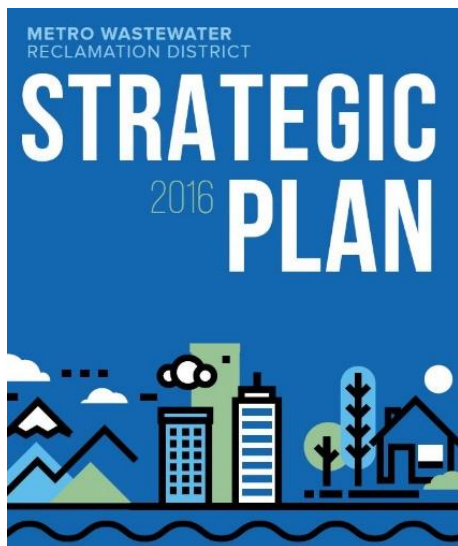
METHOD OF ACCOUNTING

Metro uses an accrual basis of accounting for proprietary funds and pension trust funds (revenues are recognized when they are earned, and expenses are recognized when they are incurred). The budgeting and accounting policies of Metro conform to generally accepted accounting principles applicable to governments. The basis of budgeting is on a cash basis (transactions are recognized only when cash is received or disbursed, and noncash expenses, such as depreciation, are not budgeted).

DEVELOPMENT OF THE 2023 OPERATING BUDGET

Strategic Planning

Metro adopted its Strategic Plan in 2016, which identified Metro’s vision, mission, and values, as well as strategic goals, and enumerable objectives and strategies. During 2022, Metro will be updating the Strategic Plan to enhance its value to the organization and strategic guidance for the future. It is anticipated to be completed by the end of 2022.



Vision

To be a responsible leader, an innovative clean water partner, and a great place to work.

Mission

To protect the region’s health and environment by cleaning water and recovering resources.

Values

***Integrity
Stewardship***

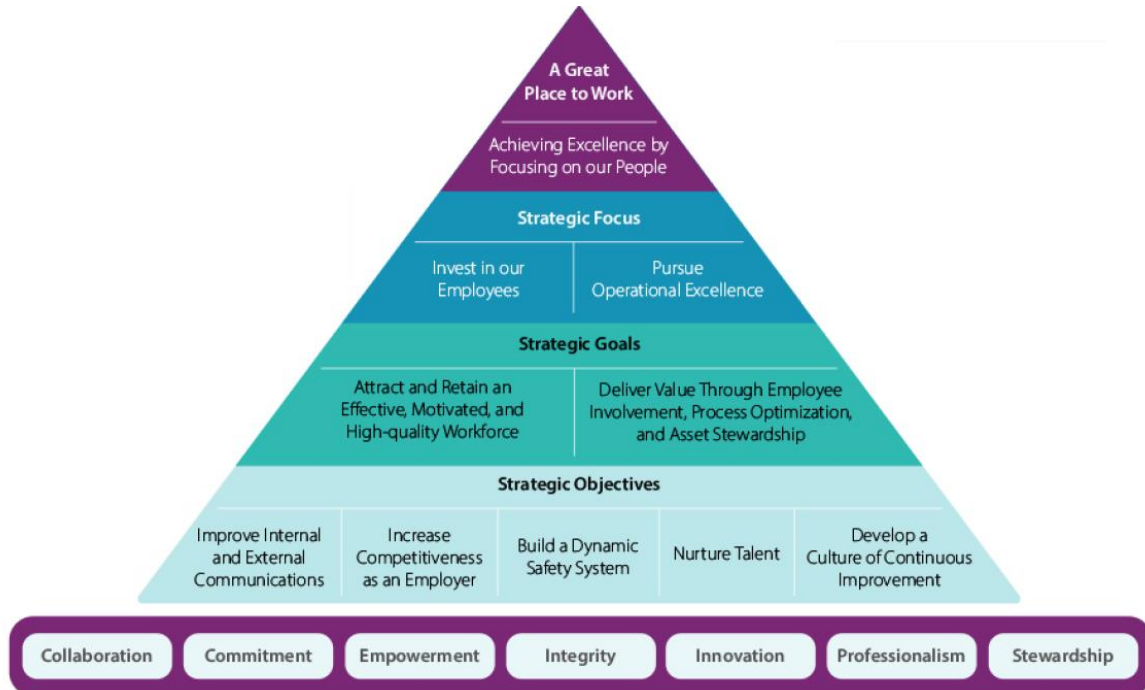
***Collaboration
Empowerment
Innovation***

***Professionalism
Commitment***

Metro’s planning process involved shared plan development responsibilities among the Board of Directors, input from a group of external stakeholders, and in-depth involvement of more than 80 employees. The strategic planning process was designed to establish a shared vision of Metro’s goals and a common understanding of the resource needs, commitments, working environment, and principles upon which the strategies will be based. The process also promoted acceptance of the 2016 Strategic Plan for achieving Metro’s goals and the formal integration of strategic planning, direction, and implementation into Metro’s day-to-day operating activities.

Metro 6.0 initiatives

Since the adoption of the Strategic Plan, Metro has been engaged in developing and implementing strategies with stakeholders. Specifically, this has led to the formation of Metro's 6.0 Strategic Focus. This initiative identified two of the Strategic Plan goals on which Metro will focus in the near term.



Employer of Choice Focus:

1. As an *Employer of Choice*, Metro will strive to attract and retain a high-quality workforce. This will occur through the development of a holistic approach to a total rewards program, optimizing the hiring process, and implementation of a strategic employment branding.
2. In *Building a dynamic safety system* to prioritize the health, safety and well-being of employees, Metro will implement an Environmental Health and Safety Management Program and develop other key safety and health programs.
3. *To Nurture Talent*, Metro will identify and develop the necessary skills for all employees to reach their professional goals. This includes leadership training, career path mapping, and technical skills training.

Operational Excellence:

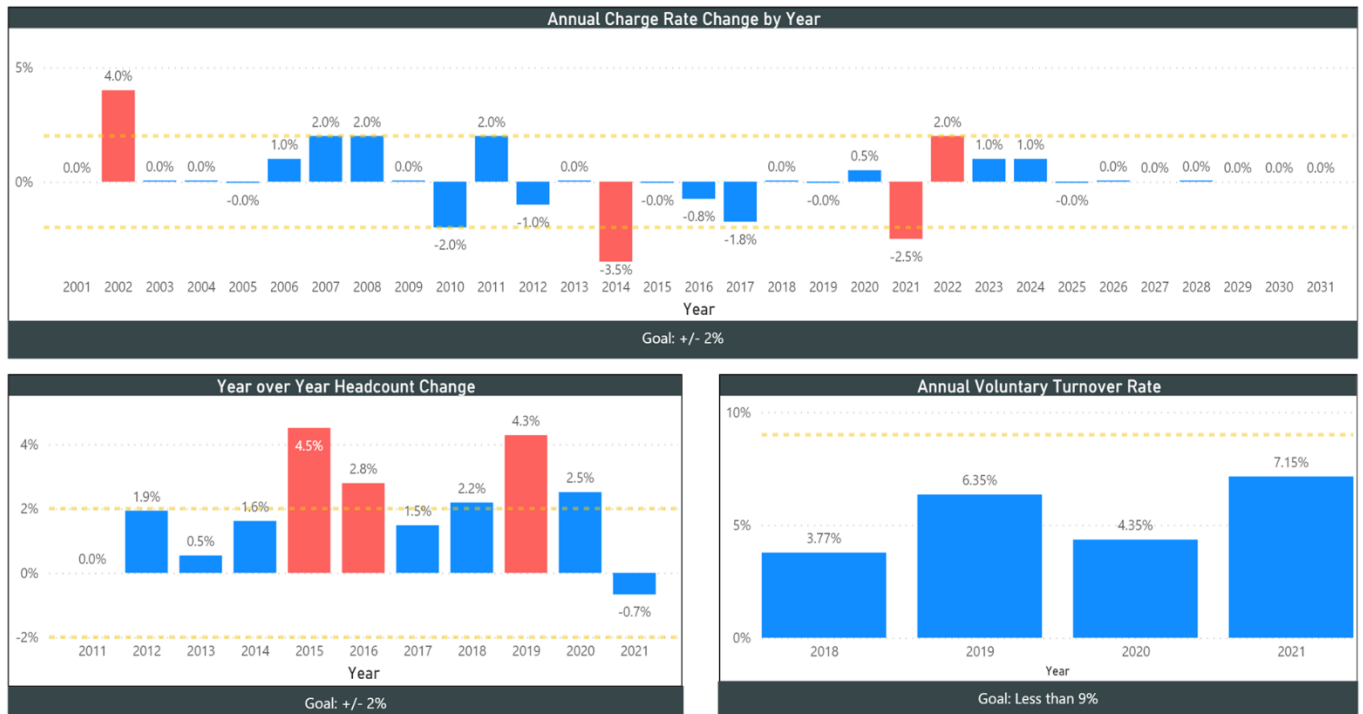
1. To *Improve internal and external communications* through the development of an efficient and effective method of communication which increases consistency, transparency, and understanding, Metro will implement a communication plan and brand enhancement.

2. Managing *Operational Excellence* through the development of a culture of continuous improvement will encourage, enable, and empower employees to improve their business and operational process – increasing collaboration, efficiency, and consistency across Metro.

In addition to these key tactics, Metro staff will continue to work on increasing engagement with external stakeholders and communities, along with continuing improvements in the workplace, all while continuing to manage day-to-day work and successfully accomplishing Metro’s mission. These Plan Goals, as well as others identified in Metro 6.0, had a significant influence during the creation of the 2023 Operating Budget (2023 Budget).

STRATEGIC ORGANIZATION METRICS

Metro Water Recovery has identified three primary metrics to evaluate the success of Metro’s efforts to achieve its mission. The metrics are intended to be at an organizational level with the purpose of being used to guide decision making. Primary metrics help Metro understand how well it is achieving its mission. Primary metrics will be complemented by secondary metrics. Secondary metrics will provide a more detailed understanding of situational root cause opportunities. The primary metrics Metro will be tracking are voluntary turnover rate, annual charge rate change, and annual headcount change. These three metrics were chosen based on a best-practice evaluation and analysis of alignment to the Strategic Plan goals and objectives.



ECONOMIC CONDITION AND OUTLOOK

Metro is located in the largest metropolitan area in the State of Colorado. The metropolitan Denver area (Metro Denver) is composed of Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, and Jefferson counties. The economic region has experienced significant population and economic growth in the past ten plus years. Economic indicators as of December 2021 expected Metro Denver to continue with increased growth, if not somewhat slower than in past

years. While the COVID-19 national pandemic may continue into its third year, the region's economy has remained relatively strong throughout.

For Metro, the pandemic brought uncertainty about many things; however, it did not change the employee's drive to complete the mission and vision. Many employees continued to provide the essential service to protect the health of the people and the environment. While work schedules and locations of some had been adjusted during the heart of the pandemic, Metro officially returned to the office in August 2021.

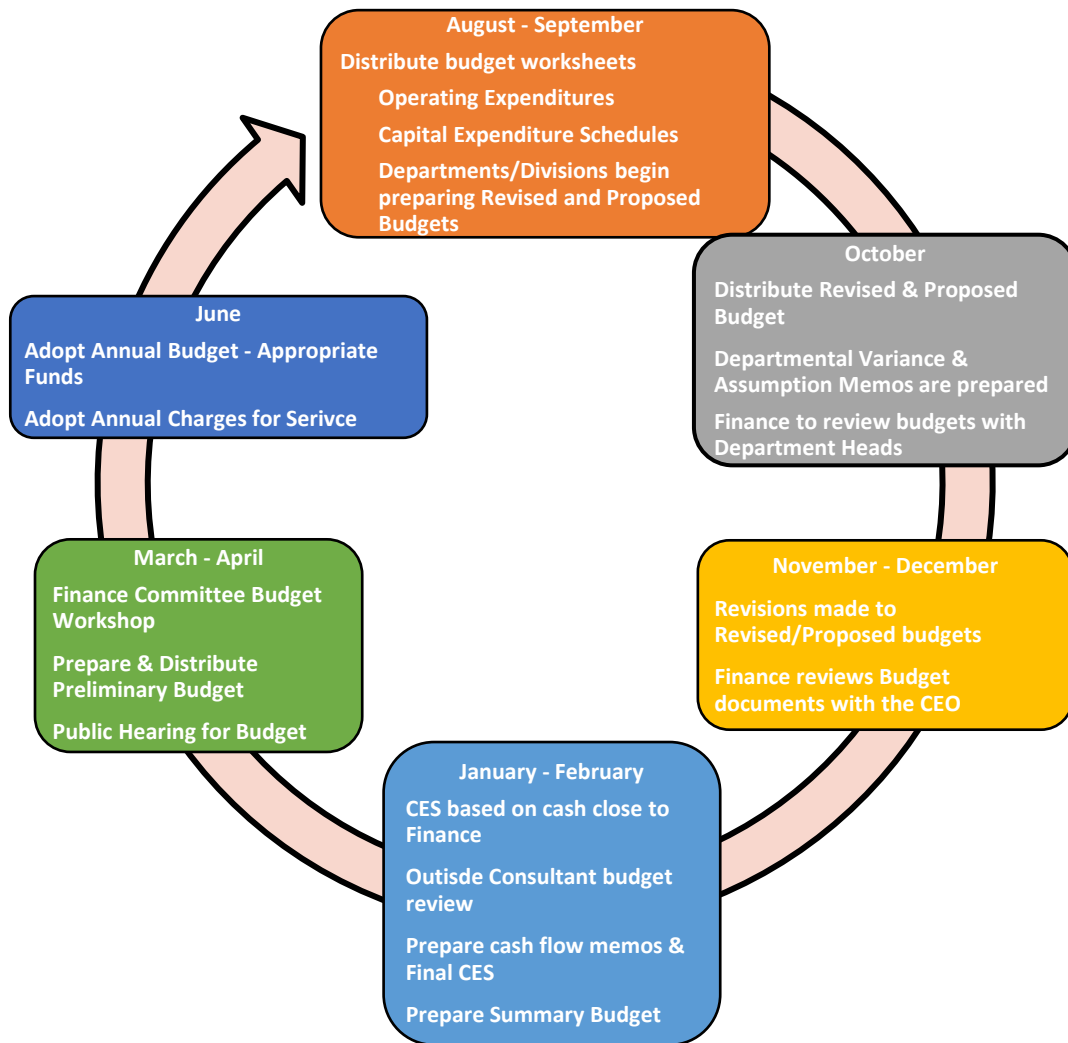
Metro staff quickly reacted to this unprecedented event by reviewing and updating operating expenses and revenue projections for 2020 and 2021. This included updating a variety of assumptions for Metro's Cash Flow Schedule. As a result, the 2021 Budget was reduced by over \$4 million from its original draft in March 2020, proposed Annual Charges for Services were held to a zero percent increase in 2021, projected Sewer Connection Charge revenue was reduced by \$58 million in 2020 and 2021, and Metro incorporated the use of fund balance reserves to make up for potential revenue loss, some of which will not be replaced over time.

Fortunately, Sewer Connection Charge revenue in 2020 and 2021 did not seem to be affected by the pandemic as originally projected. Growth in Metro Denver residential construction continued at the same pace in 2020 as it did in 2019, and 2021 outpaced both years. Therefore, the Sewer Connection Charges revenues received were twice the projections in 2020 and 2021.

Metro continues to track a variety of economic conditions which may affect future operations and budget projections. 2021 saw unprecedented turnover of employment, and Metro's turnover rate at times, was above the strategic target. Wages and benefits are increasing at a rate higher than has been experienced in quite some time. Metro is also watching prices of chemicals, utilities, and maintenance contracts as supply chain and inflationary pressures continue through the region.

BUDGET PROCESS AND MANAGEMENT IMPROVEMENTS

The annual operating budget process, which takes almost a full year to complete, involves gathering input and data from departments, engaging in thoughtful discussions on identified needs, and reviewing various budget versions with the CEO and Executive Leadership Team. The capital budget process lines up with the annual operating budget process to ensure both are ready to be used together in the Cash Flow Schedule as the Consulting Engineer reviews the operating budget mid-January. The Cash Flow Schedule is used to develop the Annual Charges for Service. The operating budgets, capital budget, and Annual Charges for Services are presented in various meetings to Board members during the Spring leading to the adoption of the budget in June.



Over the years, Metro staff has improved the annual budget process, presenting budgets more accurately, reflecting projected expenditures, and providing relatively stable Annual Charges for Service. These improvements include the following:

- Preparation and adoption of a revised budget for the current year to reflect what staff expects to spend relative to the budgeted amounts.
- Incorporation of a vacancy rate adjustment in projected operating expenditures, on the assumption savings will occur during the year due to unanticipated staff turnover, and the amount of time it takes to fill vacant positions.
- Implementation of a Phase Gates process to support the Enterprise Plan, which prioritizes capital and non-capital projects to optimize Cash Flow requirements, resource allocation, and organizational flexibility, while maintaining low Annual Charges for Service rate increases.
- Development of an Asset Management Program. Includes creating governance documents, and a Strategic Asset Management Plan (SAMP) to provide a roadmap for implementing the program.

- Use of capital project probability factors to estimate capital expenditures for cash flow purposes over the planning period.

2023 OPERATING BUDGET DETAILS

Revenues

Metro has two main revenue sources. The primary operating revenue is the Annual Charges for Services. The primary non-operating revenue source is the Sewer Connection Charges.

Annual Charges for Services (Annual Charges) is a fee Connectors pay to fund the annual operating budget, debt service costs, capital needs, and other financial requirements. Annual Charges are calculated and charged to Connectors based on each Connector’s flow (amount contributed to the system) and load (the concentration of the flow). The Annual Charges rate is set in June of each year, and the allocation to each Connector is set in August of each year for the following calendar year. The Annual Charges for 2023 are budgeted at \$145,057,122, which is five (5) percent higher than the 2022 Annual Charges. This is based on the 2023 Budget Cash Flow Schedule for 2022–2032. Annual Charges are projected into the future each year; however, they are only adopted for the next calendar year. A comparison of projected Annual Charges percentage increases this year, versus the projection done last year during the 2022 Budget process is included in the following table.

Annual Charges for Service Revenue Increases		
Year	Adopted 2023 Budget	Adopted 2022 Budget
2023	5.0%	3.0%
2024-2025	5.0%	4.0%
2026-2031	4.0%	4.0%
2032	4.0%	5.0%

Sewer Connection Charges (SCC) are the other primary source of revenue for Metro. SCC are collected from Connectors for the purpose of defraying the capital and debt service costs for each new connection to the treatment system. The SCC for 2023 is \$5,120 per single-family resident equivalent (SFRE).

For 2021, Metro staff updated the analysis and reviewed all the SFRE history over the last 38 years. The linear regression line was hovering around 10,100 SFRE (Table 1), which was also the approximate arithmetical average over the 38-year history (Table 2). Therefore, staff recommends SCC revenues be based on the average of 10,100 SFRE per year. This approach was more conservative than ones in the past and helped to mitigate the risk of over-projecting revenues in the Cash Flow Schedule.

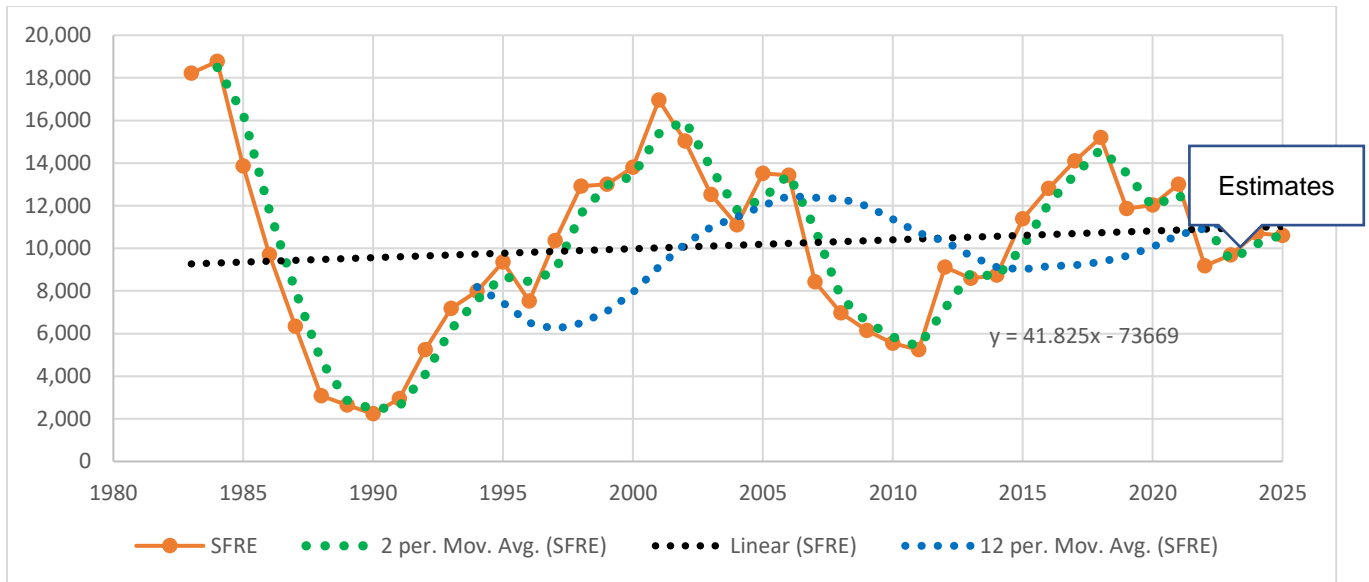


Table 1

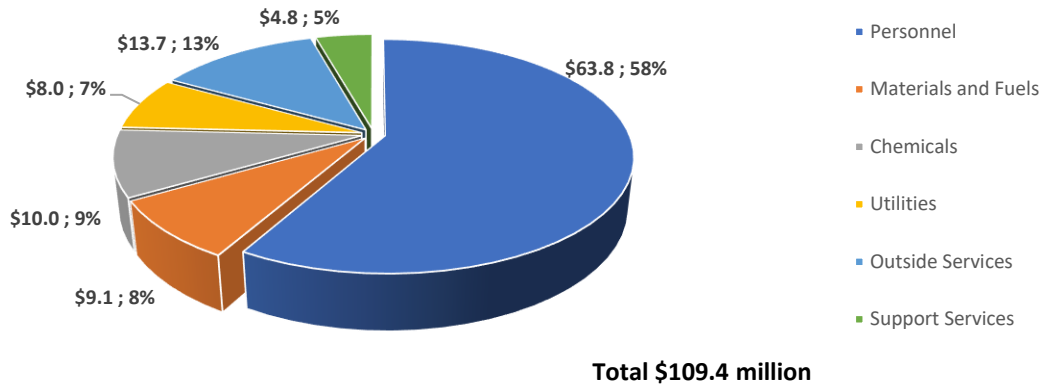
Sewer Connection Charge Summary

Budget Year	Average used for Revenue Projection	SCC Revenue Projection	SCC Revenue Actual	SFREs	SFREs Variance from prior year	% Variance	AC Rate change
2014	5-year	27,391,508	34,639,804	8,747	n/a	n/a	4.5%
2015	5-year	30,836,520	45,098,049	11,388	2,641	30.2%	4.5%
2016	4-year	40,185,873	54,064,758	12,812	1,424	12.5%	3.8%
2017	4-year	42,951,570	59,490,896	14,097	1,285	10.0%	2.0%
2018	5-year	48,432,601	64,159,892	15,204	1,107	7.9%	2.0%
2019	5-year	49,890,267	50,654,566	11,893	(3,311)	-21.8%	2.0%
2020	37-year reduced 50%	23,005,850	52,282,954	12,047	154	1.3%	2.5%
2021	38-year reduced 40%	30,259,250	n/a	6,650	(5,397)	-44.8%	0.0%
2022	38-year reduced 25%	37,577,913	n/a	8,169	1,519	22.8%	2.0%
2023	38-year	49,726,446	n/a	10,694	2,525	30.9%	3.0%
2024	38-year	50,275,983	n/a	10,697	3	0.0%	4.0%
2025	38-year	50,306,708	n/a	10,591	(106)	-1.0%	4.0%

Table 2

Expenses

The adopted 2023 Budget of \$109,437,851 is \$10,711,628, or 10.8 percent higher, than the adopted 2022 Operating Budget (2022 Budget). Of the increase, \$7,018,158, or 65.5 percent of the total increase, results primarily from additional budgeted positions, wage increases, and increases in employee benefit costs, including Metro’s required contribution to the Defined Benefit Retirement Plan and the cost of medical insurance. The remaining increase of \$3,693,470, or 34.5 percent, results primarily from an increase in the amount and cost of treatment chemicals and materials and supplies needed for maintenance, as well as an increase in outside services – maintenance, outside services – other, and property insurance.



Personnel

Regular wages and benefits budgeted for 2023 are \$63,759,137, which is \$7,018,158, or 12.4 percent, higher than the adopted 2022 Budget. This increase in wages and benefits is primarily attributable to a net increase of 14 positions, budgeted wage increase of five percent, an anticipated increase in Metro’s contribution to the Defined Benefit Retirement Plan, and an increase in the cost of the medical insurance and other benefits. The total budgeted positions in 2023 is 471.75, an increase of 14 positions from the adopted 2022 Budget of 457.75. Three of these positions are being added in the 2022 Revised Budget. Detailed descriptions of the changes in positions for 2023 are included in the staffing section below.

Materials and Fuels

The adopted 2023 Budget for materials and fuels is \$9,125,346, which is \$360,120, or 4.1 percent, higher than the adopted 2022 Budget. This is primarily due to increases in materials and supplies.

Materials and Supplies

The adopted 2023 Budget for materials and supplies is \$7,840,596, which is \$308,970, or 4.1 percent, higher than the adopted 2022 Budget. The increase reflects anticipated increases in materials and supplies needed to maintain the increased number of assets under management, as well as support the Strategic Asset Management Program. Additionally, staff anticipates materials and supplies prices to increase due to inflationary pressures.

Chemicals

The adopted 2023 Budget for all chemicals is \$9,974,500, which is \$165,400, or 1.7 percent, higher than the adopted 2022 Budget. A number of minor changes to chemicals are reflected in the adopted 2023 Budget.

Peracetic Acid

The adopted 2023 Budget for peracetic acid is \$2,900,000, which is \$500,000, or 20.8 percent, higher than the adopted 2022 Budget. The increase reflects actual anticipated utilization of the disinfectant in addition to anticipated higher unit costs for peracetic acid.

Polymer

The adopted 2023 Budget for polymer is \$3,720,000, which is \$43,500, or 1.2 percent, lower than the adopted 2022 Budget. The decrease reflects the anticipated reduction in the utilization of polymer.

Farm Chemicals

The adopted 2023 Budget for Farm chemicals is \$1,840,000, which is \$200,000, or 9.8 percent, lower than the adopted 2022 Budget. The decrease reflects the anticipated reduction in the utilization of chemicals at the Farm.

Utilities

The adopted 2023 Budget for all utilities is \$8,030,000, which is \$355,000, or 4.6 percent, higher than the adopted 2022 Budget. This change is primarily due to anticipated increases in electrical power and natural gas.

Electrical Power

The adopted 2023 Budget for electrical power is \$6,545,000, which is \$246,000, or 3.9 percent, higher than the adopted 2022 Budget. Electrical power consumption has been a focus for optimization at the RWHTF since 2018 and continues to be with the energy program. Staff expects electrical usage and costs to increase slightly in 2023.

Outside Services

The adopted 2023 Budget for all 2023 outside services is \$13,743,479, which is \$1,890,992, or 16 percent, higher than the adopted 2022 Budget. This increase is a result of additional costs in Outside Services – Maintenance and Outside Services – Other.

Outside Services – Maintenance

The adopted 2023 Budget for Outside Services – Maintenance is \$5,679,628, which is \$940,829, or 19.9 percent, higher than the adopted 2022 Budget. The adopted 2023 Budget for Outside Services – Maintenance reflects an increase in Information Technology maintenance contracts, as well as a shift to subscription-based software and increases in security systems maintenance as well as other maintenance activities.

Outside Services – Other

The adopted 2023 Budget for Outside Services – Other is \$4,625,089, which is \$744,211, or 19.2 percent, higher than the adopted 2022 Budget. The adopted 2023 Budget for Outside Services

– Other reflects increases in outside security services costs and additional regulatory outside testing services.

Support Expenses

The adopted 2023 Budget for all support expenses is \$4,805,389, which is \$921,958, or 23.7 percent, higher than the adopted 2022 Budget. This is primarily due to increases in employee development programs, such as training and conferences as well as insurance increases for property and workers compensation.

Staffing

The following position changes are needed due to changes in Metro’s operations. The adopted 2023 Budget includes a net increase of 14 additional positions as compared to the adopted 2022 Budget, as listed below.

Environmental Services Department

In the adopted 2023 Budget, one Water Quality Associate has been added.

Human Resources Department

In the revised 2022 Budget, one Talent Acquisition Specialist was added.

Information Technology Department

In the adopted 2023 Budget, one IT Cybersecurity Analyst, and one Systems Administrator Senior position has been added.

Northern Treatment Plant

In the adopted 2023 Budget, one additional Operations Supervisor, one additional Plant Operator I, and one additional Electrician Instrument Tech position has been added.

Operations (RWHTF)

In the adopted 2023 Budget, one additional Operations Supervisor has been added.

Resource Recovery and Reuse (RR&R)

In the adopted 2023 Budget, one additional Collections System Technician, and one additional RR&R Operator I have been added.

Strategy and Communication Department

In the revised 2022 Budget, one Continuous Improvement Specialist position was added.

In the adopted 2023 Budget, one Communication Analyst has been added.

Technology and Innovation Department

In the revised 2022 Budget, one Administrative Analyst position was added.

In the adopted 2023 Budget, one Senior Analytical Solutions Manager has been added.

CONCLUSION

Thank you for your time, attention, and guidance in preparing Metro's 2023 Operating Budget as this is a critical annual operating guidance document for Metro. The preparation of the 2023 Operating Budget was made possible through the dedication and efforts of many staff members throughout the organization. Metro is looking forward to working together to implement this budget and provide the best services possible to the Connectors of Metro.

If you have any comments or questions, please contact Laura Cook, Senior Budget Manager, at 303.286.3226 or by email at lcook@metrowaterrecovery.com.

2023 Budget Appropriation Summary

This budget sets forth the anticipated 2023 operations and maintenance expenses; the anticipated 2023 capital equipment and vehicle expenses greater than \$10,000 and less than or equal to \$250,000; the anticipated 2023 small project expenditures; and the 2023 debt service requirements on the 2009B Sewer Improvement Bonds, 2019A&B Sewer Refunding and 2020A Sewer Improvement Bonds.

Adoption of the proposed 2023 Budget will require an appropriation resolution to be approved by the Board of Directors as follows:

OPERATIONS AND MAINTENANCE REVENUE FUND

Operations and Maintenance (O&M) Expenses	\$109,437,851
O&M Capital Outlay	<u>60,000</u>
Total O&M Expense Requirements	109,497,851

FIXED ASSET REPLACEMENT FUND

Fixed Asset Replacement Fund (FARF) Capital Outlay	<u>1,060,050</u>
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Total O&M and FARF Expense Requirements \$110,557,901

DEBT SERVICE FUND

2009B Sewer Improvement Bonds – Interest	5,440,000
2019A&B Sewer Refunding Bonds – Principal	28,600,000
2019A&B Sewer Refunding Bonds – Interest	9,995,000
2020A Sewer Improvement Bonds – Interest	<u>4,650,000</u>

Total Debt Service Expenditure Requirements 48,685,000

SMALL PROJECT EXPENDITURES

General Fund	1,500,000
Fixed Asset Replacement Fund	<u>1,000,000</u>

Total Small Project Expenditures 2,500,000

TOTAL 2023 APPROPRIATION

\$161,742,901

**CHANGES IN TRUST FUND BALANCE
2022 and 2023**

Operations and Maintenance Revenue Fund

	2022		2023
	Budget	Revised	Adopted
BALANCE, January 1	\$ 25,786,056	25,786,056	28,374,462
Required Reserve	(1,000,000)	(1,000,000)	(1,000,000)
RECEIPTS:			
Annual Charges	138,149,640	138,149,640	145,057,123
Interest and Other Income	2,365,816	2,731,163	2,929,681
Land Application Income	232,000	232,000	232,000
TOTAL RECEIPTS	140,747,456	141,112,803	148,218,804
TOTAL AVAILABLE FOR DISBURSEMENT	165,533,512	165,898,859	175,593,266
DISBURSEMENTS:			
Operating Expenses	97,417,963	100,787,354	108,210,712
Operating Capital	418,000	522,000	60,000
TOTAL DISBURSEMENTS	97,835,963	101,309,354	108,270,712
TRANSFERS (TO)/FROM OTHER FUNDS:			
Debt Service Fund, Principal & Interest	(23,818,714)	(23,721,145)	(23,780,185)
General Fund	(20,230,711)	(18,002,721)	(17,143,487)
Debt Service Fund, Investment Income	316,683	158,742	318,810
General Fund, Investment Income	1,688,761	4,350,081	1,864,878
NET FUND TRANSFERS	(42,043,981)	(37,215,043)	(38,739,984)
REQUIRED RESERVE	1,000,000	1,000,000	1,000,000
BALANCE, December 31	\$ 26,653,568	28,374,462	29,582,570

Operations and Maintenance Revenue Fund

Revenues and Expenses 2021 Through 2023

	2021 Actual	2022 Budget Revised		2023 Adopted
OPERATING REVENUES				
Connector Annual Charges	\$ 135,440,824	138,149,640	138,149,640	145,057,122
Land Application Income	88,620	232,000	232,000	232,000
Farming Income	1,109,333	1,515,000	2,115,000	2,115,000
Other Income *	625,487	518,490	450,000	450,000
TOTAL OPERATING REVENUES	<u>137,264,264</u>	<u>140,415,130</u>	<u>140,946,640</u>	<u>147,854,122</u>
OPERATING EXPENSES **				
Maintenance Department	12,811,805	14,145,235	13,937,295	14,827,900
Northern Treatment Plant	5,731,961	5,900,139	6,362,750	7,222,900
Operations Department	20,332,120	21,421,768	21,292,850	22,760,100
Resource Recovery & Reuse	13,312,941	14,461,151	14,300,400	15,098,550
Administrative Services	12,174,099	13,060,594	5,739,200	5,992,100
Comprehensive Planning	637,210	975,531	1,021,100	1,081,800
Engineering	7,439,023	7,968,549	7,852,300	8,246,200
Environmental Services	11,378,307	12,652,784	11,847,258	12,565,375
Human Resources	2,374,855	2,451,858	2,704,400	2,779,850
Information Technology	0	0	8,259,806	8,937,475
Office of the General Counsel	678,168	1,057,261	1,085,800	1,576,100
Office of the Chief Executive Officer	1,175,328	1,411,739	2,322,775	2,440,675
Strategy and Communication	1,210,765	1,473,415	1,705,596	1,899,200
Technology and Innovation	1,602,084	1,746,199	3,646,473	4,009,626
TOTAL OPERATING EXPENSES***	<u>90,858,666</u>	<u>98,726,223</u>	<u>102,078,003</u>	<u>109,437,851</u>
OPERATING REVENUES OVER EXPENSES ****	<u>46,405,598</u>	<u>41,688,907</u>	<u>38,868,637</u>	<u>38,416,271</u>
NON-OPERATING REVENUES				
Interest	<u>2,545,016</u>	<u>2,337,770</u>	<u>4,674,986</u>	<u>2,548,369</u>
NON-OPERATING EXPENSES				
Capital*****	<u>203,102</u>	<u>418,000</u>	<u>522,000</u>	<u>60,000</u>
REVENUES OVER EXPENSES	\$ <u>48,747,512</u>	<u>43,608,677</u>	<u>43,021,623</u>	<u>40,904,640</u>

* Includes income from septic haulers and laboratory contract sampling

** The vacancy rate adjustment is included in budgeted operating expenses

*** Reflects discounted totals for operating expenditures

**** Excludes any depreciation and/or amortization

***** Replacement equipment and vehicles \geq \$10,000 \leq \$250,000 are funded from the Fixed Asset Replacement Fund

**Calculation of Annual Charges
2021 Through 2023**

	2021 Adopted	2022 Adopted	2023 Adopted	2022-2023 Variance	
				Dollars	Percent
OPERATING EXPENSES *					
Maintenance	\$ 15,712,842	14,145,235	14,827,900	682,665	4.8%
Operations	23,803,283	21,421,768	22,760,100	1,338,332	6.2%
Northern Treatment Plant	0	5,900,139	7,222,900	1,322,761	22.4%
Resource Recovery & Reuse	14,453,573	14,461,151	15,098,550	637,399	4.4%
Administrative Services	13,943,053	13,060,594	5,992,100	(7,068,494)	-54.1%
Comprehensive Planning	0	975,531	1,081,800	106,269	10.9%
Engineering	6,254,150	7,968,549	8,246,200	277,651	3.5%
Environmental Services	11,816,934	12,652,784	12,565,375	(87,409)	-0.7%
Human Resources	2,226,442	2,451,858	2,779,850	327,992	13.4%
Information Technology	0	0	8,937,475	8,937,475	0.0%
Office of the General Counsel	825,864	1,057,261	1,576,100	518,839	49.1%
Office of the Chief Executive Officer	2,247,069	1,411,739	2,440,675	1,028,936	72.9%
Strategy and Communication	0	1,473,415	1,899,200	425,785	28.9%
Technology and Innovation	2,503,281	1,746,199	4,009,626	2,263,427	129.6%
Subtotal	93,786,491	98,726,223	109,437,851	10,711,628	10.8%
Less Net Revenues over Expenses Adjustment	1,405,829	1,308,260	1,227,139	(81,121)	-6.2%
Total Operating Expenses **	92,380,662	97,417,963	108,210,712	10,792,749	11.1%
DEBT SERVICE					
Principal and Interest					
2009A&B Sewer Improvement Bonds	3,726,237	3,644,369	3,644,369	0	0.0%
2012A Sewer Improvement Bonds	11,007,375	10,798,375	0	(10,798,375)	-100.0%
2019A&B Sewer Refunding Bonds	28,065,927	28,029,332	38,577,786	10,548,454	37.6%
2020A Sewer Improvement Bonds	5,766,667	4,646,706	4,646,706	0	0.0%
	48,566,206	47,118,782	46,868,861	(249,921)	-0.5%
Less Sewer Connection Charge Transfer	24,283,103	23,559,391	23,434,430	(124,961)	-0.5%
Total Debt Service	24,283,103	23,559,391	23,434,431	(124,960)	-0.5%
CAPITAL EXPENDITURES					
Appropriated O&M Fund	287,000	418,000	60,000	(358,000)	-85.6%
Cash Flow Fund Requirements	23,983,700	21,357,546	18,697,349	(2,660,197)	-12.5%
Total Capital Expenditures	24,270,700	21,775,546	18,757,349	(3,018,197)	-13.9%
OTHER REQUIREMENTS AND REVENUES					
General Fund Requirement	22,522,142	20,230,711	14,441,083	(5,789,628)	-28.6%
Investment and Other Income	(5,493,641)	(4,603,260)	(5,345,369)	(742,109)	16.1%
General Fund Transfer	(22,522,142)	(20,230,711)	(14,441,083)	5,789,628	-28.6%
Total Other Requirements & Revenues	(5,493,641)	(4,603,260)	(5,345,369)	(742,109)	16.1%
TOTAL ANNUAL CHARGES	\$ 135,440,824	138,149,640	145,057,123	6,907,483	5.00%
Percent Increase/(Decrease) in Annual Charges from prior years	0.00%	2.00%	5.00%		

* The vacancy rate is included in operating expenses

** Excludes depreciation and amortization

Metro Water Recovery

Description of Operations

Metro’s mission is to protect the region’s health and environment by cleaning water and recovering resources. The primary responsibility is to provide wastewater transmission and treatment services to Member Municipalities and Special Connectors in compliance with federal, state, and county laws in the most efficient and cost-effective means possible. Recovering resources such as heat and energy which are used for the treatment facilities and nutrients in the form of an organic soil conditioner and fertilizer for agricultural use have proven to be cost-effective, sustainable strategies.

Metro’s 2022 Revised Budget increased by 3.4% compared to the 2022 Budget. The 2023 Budget is increasing by 10.8% compared to the 2022 Budget. This is due to a budgeted increase in personnel, outside services, and support services.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 56,740,979	\$ 59,029,778	\$ 2,288,799	\$ 63,759,137	\$ 7,018,158
Materials & Fuels	8,765,226	8,829,319	64,093	9,125,346	360,120
Chemicals	9,809,100	9,371,000	(438,100)	9,974,500	165,400
Utilities	7,675,000	7,704,000	29,000	8,030,000	355,000
Outside Services	11,852,487	12,543,800	691,313	13,743,479	1,890,992
Support Expenses	3,883,431	4,600,106	716,675	4,805,389	921,958
Total Administrative Services	\$ 98,726,223	\$ 102,078,003	\$ 3,351,780	\$ 109,437,851	\$ 10,711,628

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total District Staff	457.75	460.75	3.00	471.75	14.00

2021 Highlights

- ~2 million people served
- 715-square mile service area
- 60 connectors
- 39-member Board of Directors
- ~400 employees
- \$1.3 billion in assets
- 2 advanced treatment plants
- 1 dryland farm on Eastern Plains
- 56 years of regional wastewater treatment

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY OBJECT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted	Adopted to Budget	
					*** Variance ***	Percent
					Dollars	
5101 REGULAR WAGES	34,358,809	37,254,237	38,446,200	41,480,100	4,225,863	11.3%
5103 TEMPORARY WAGES	36,980	85,500	70,500	79,000	(6,500)	-7.6%
5104 ON-CALL WAGES	349,569	281,800	321,950	332,495	50,695	18.0%
5105 OVERTIME WAGES	1,276,046	1,096,722	1,100,928	1,177,943	81,221	7.4%
5106 INTERN WAGES	48,210	70,000	75,000	75,000	5,000	7.1%
5108 EMPLOYEE INCENTIVE PAY	153,500	-	193,000	214,000	214,000	0.0%
5109 BENEFITS	16,900,245	17,881,920	18,741,800	20,320,199	2,438,279	13.6%
5110 CAR ALLOWANCE	68,600	70,800	80,400	80,400	9,600	13.6%
Total PERSONNEL	53,191,959	56,740,979	59,029,778	63,759,137	7,018,158	12.4%
5213 MATERIALS & SUPPLIES	6,793,719	7,531,626	7,595,719	7,840,596	308,970	4.1%
5215 TIRES & TUBES	171,978	212,000	212,000	220,000	8,000	3.8%
5220 UNIFORMS	132,149	160,000	160,000	160,000	-	0.0%
5225 GASOLINE	140,660	138,600	138,600	145,750	7,150	5.2%
5230 DIESEL FUEL	704,157	723,000	723,000	759,000	36,000	5.0%
Total MATERIALS & FUELS	7,942,663	8,765,226	8,829,319	9,125,346	360,120	4.1%
5315 LIQUID OXYGEN	-	3,600	-	-	(3,600)	-100.0%
5320 FERRIC CHLORIDE	353,615	465,000	367,500	380,000	(85,000)	-18.3%
5329 POLYMER - WAS	32,935	28,500	29,500	30,000	1,500	5.3%
5330 POLYMER - DAF	513,795	520,000	520,000	530,000	10,000	1.9%
5332 POLYMER - DEWATERING	214,204	150,000	155,000	160,000	10,000	6.7%
5335 POLYMER - CENTRIFUGE	2,395,124	3,065,000	2,965,000	3,000,000	(65,000)	-2.1%
5338 ACETIC ACID	40,359	21,000	25,500	26,500	5,500	26.2%
5339 PERACETIC ACID	3,043,951	2,400,000	2,400,000	2,900,000	500,000	20.8%
5341 SODIUM BISULFITE	148,658	150,000	150,000	150,000	-	0.0%
5342 SODIUM HYPOCHLORITE	62,927	100,000	50,000	50,000	(50,000)	-50.0%
5346 HERBICIDE/PESTICIDE	139,731	50,000	50,000	50,000	-	0.0%
5347 MAGNESIUM CHLORIDE	597,856	645,000	645,000	700,000	55,000	8.5%
5348 FARM CHEMICALS	1,518,439	2,040,000	1,840,000	1,840,000	(200,000)	-9.8%
5351 CALCIUM HYDROXIDE	31,668	59,000	60,500	62,500	3,500	5.9%
5355 MINERAL OIL	-	8,500	8,500	10,000	1,500	17.6%
5358 ALUM	22,440	28,500	29,500	30,500	2,000	7.0%
5361 DEFOAMENT	27,456	50,000	50,000	30,000	(20,000)	-40.0%
5365 SCALING INHIBITOR	8,887	25,000	25,000	25,000	-	0.0%
Total CHEMICALS	9,152,045	9,809,100	9,371,000	9,974,500	165,400	1.7%

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY OBJECT

		2021 Actual	2022 Budget	2022 Revised	2023 Adopted	Adopted to Budget *** Variance ***	
						Dollars	Percent
5410	NATURAL GAS/PROPANE	1,036,760	648,000	648,000	727,000	79,000	12.2%
5411	NATURAL GAS - COGEN	109,186	130,000	130,000	140,000	10,000	7.7%
5415	POTABLE WATER	560,591	598,000	598,000	618,000	20,000	3.3%
5420	ELECTRICAL POWER	6,252,392	6,299,000	6,328,000	6,545,000	246,000	3.9%
Total UTILITIES		7,958,929	7,675,000	7,704,000	8,030,000	355,000	4.6%
5515	OS - AUDIT	73,000	68,000	68,000	70,000	2,000	2.9%
5520	OS - TRUSTEE	298,937	260,000	315,000	315,000	55,000	21.2%
5525	OS - LEGAL	157,359	450,000	450,000	500,000	50,000	11.1%
5530	OS - ENGINEERING	37,711	145,000	140,000	140,000	(5,000)	-3.4%
5540	OS - RENTAL	21,936	186,400	186,400	193,400	7,000	3.8%
5549	OS - OTHER	2,420,193	3,880,878	4,042,330	4,625,089	744,211	19.2%
5550	OS - ENGIE	1,364,408	1,680,000	1,680,000	1,750,000	70,000	4.2%
5556	OS - MAINTENANCE	4,302,484	4,738,799	5,212,708	5,679,628	940,829	19.9%
5560	APPLICATION FEES	275,716	293,000	218,000	223,000	(70,000)	-23.9%
5565	REGULATORY FEES	60,337	70,410	151,362	167,362	96,952	137.7%
5570	DIRECTORS ALLOWANCE	76,250	80,000	80,000	80,000	-	0.0%
Total OUTSIDE SERVICES		9,088,331	11,852,487	12,543,800	13,743,479	1,890,992	16.0%
5610	MEMBERSHIPS	244,486	258,527	272,765	314,531	56,004	21.7%
5615	TELECOMMUNICATIONS	392,425	474,820	486,000	486,000	11,180	2.4%
5620	POSTAGE & FREIGHT	6,055	14,000	11,000	11,000	(3,000)	-21.4%
5625	PRINTING & ADVERTISING	40,212	52,300	61,800	63,800	11,500	22.0%
5635	COPYING EXPENSE	101,346	-	140,000	140,000	140,000	0.0%
5645	INSURANCE	1,828,744	1,625,000	1,941,600	2,061,600	436,600	26.9%
5655	EMPLOYEE TUITION REIMBURSEM	34,888	45,000	45,000	45,000	-	0.0%
5656	EMPLOYEE EVENTS	84,237	81,650	88,300	97,150	15,500	19.0%
5657	HEALTH & FITNESS	49,336	45,000	45,000	45,000	-	0.0%
5658	RECOGNITION	115,742	120,500	133,000	133,000	12,500	10.4%
5659	DISTRICT-WIDE TRAINING	159,343	137,500	160,000	150,000	12,500	9.1%
5660	CATERING SERVICES	21,555	22,000	22,000	22,000	-	0.0%
5685	MEETINGS & CONFERENCES	194,501	467,563	566,218	594,466	126,903	27.1%
5686	TRAINING & DEVELOPMENT	193,033	474,813	561,755	570,296	95,483	20.1%
5687	SUBSCRIPTIONS/PUBLICATIONS	58,836	64,758	65,668	71,546	6,788	10.5%
Total SUPPORT SERVICES		3,524,739	3,883,431	4,600,106	4,805,389	921,958	23.7%
Total METRO		\$ 90,858,666	\$ 98,726,223	\$ 102,078,003	\$ 109,437,851	\$ 10,711,628	10.8%

METRO WATER RECOVERY

OBJECT SUMMARY BY DEPARTMENT

	2021 Actual	2022 Budget	2022 Revsied	2023 Adopted	Adopted to Budget	
					*** Variance *** Dollars	Percent
RWHTF MAINTENANCE						
PERSONNEL	8,525,302	9,630,635	9,447,695	9,946,200	315,565	3.3%
MATERIALS & FUELS	2,605,942	2,792,700	2,792,700	2,900,500	107,800	3.9%
CHEMICALS	8,887	25,000	25,000	25,000	-	0.0%
OUTSIDE SERVICES	1,579,831	1,575,500	1,550,500	1,825,000	249,500	15.8%
SUPPORT EXPENSES	91,843	121,400	121,400	131,200	9,800	8.1%
TOTAL RWHTF MAINTENANCE	12,811,805	14,145,235	13,937,295	14,827,900	682,665	4.8%
RWHTF OPERATIONS						
PERSONNEL	4,699,076	4,941,518	5,112,600	5,517,600	576,082	11.7%
MATERIALS & FUELS	98,906	150,000	150,000	156,000	6,000	4.0%
CHEMICALS	7,068,237	7,328,500	7,078,500	7,670,000	341,500	4.7%
UTILITIES	6,206,681	6,035,000	6,035,000	6,290,000	255,000	4.2%
OUTSIDE SERVICES	2,190,026	2,860,000	2,810,000	3,015,000	155,000	5.4%
SUPPORT EXPENSES	69,194	106,750	106,750	111,500	4,750	4.4%
TOTAL RWHTF OPERATIONS	20,332,120	21,421,768	21,292,850	22,760,100	1,338,332	6.2%
NTP OPERATIONS & MAINTENANCE						
PERSONNEL	2,366,949	2,553,089	2,849,300	3,583,400	1,030,311	40.4%
MATERIALS & FUELS	643,117	728,000	728,000	745,000	17,000	2.3%
CHEMICALS	416,751	365,600	377,500	389,500	23,900	6.5%
UTILITIES	1,558,138	1,444,000	1,473,000	1,535,000	91,000	6.3%
OUTSIDE SERVICES	726,350	763,700	889,200	916,000	152,300	19.9%
SUPPORT EXPENSES	20,656	45,750	45,750	54,000	8,250	18.0%
TOTAL NTP OPERATIONS & MAINTENANCE	5,731,961	5,900,139	6,362,750	7,222,900	1,322,761	22.4%
RESOURCE RECOVERY AND REUSE						
PERSONNEL	7,271,698	7,211,551	7,425,800	8,014,800	803,249	11.1%
MATERIALS & FUELS	3,097,640	3,140,600	3,140,600	3,259,750	119,150	3.8%
CHEMICALS	1,658,170	2,090,000	1,890,000	1,890,000	(200,000)	-9.6%
UTILITIES	194,110	196,000	196,000	205,000	9,000	4.6%
OUTSIDE SERVICES	1,049,472	1,696,000	1,521,000	1,595,000	(101,000)	-6.0%
SUPPORT EXPENSES	41,851	127,000	127,000	134,000	7,000	5.5%
TOTAL RESOURCE RECOVERY AND REUSE	13,312,941	14,461,151	14,300,400	15,098,550	637,399	4.4%
ADMINISTRATIVE SERVICES						
PERSONNEL	7,204,976	7,784,534	3,037,800	3,196,900	(4,587,634)	-58.9%
MATERIALS & FUELS	367,261	553,300	240,200	237,200	(316,100)	-57.1%
OUTSIDE SERVICES	2,248,256	2,466,422	449,900	426,900	(2,039,522)	-82.7%
SUPPORT EXPENSES	2,353,606	2,256,338	2,011,300	2,131,100	(125,238)	-5.6%
TOTAL ADMINISTRATIVE SERVICES	12,174,099	13,060,594	5,739,200	5,992,100	(7,068,494)	-54.1%

METRO WATER RECOVERY

OBJECT SUMMARY BY DEPARTMENT

	2021 Actual	2022 Budget	2022 Revsied	2023 Adopted	Adopted to Budget	
					*** Variance *** Dollars	Percent
COMPREHENSIVE PLANNING						
PERSONNEL	627,374	900,731	946,300	994,000	93,269	10.4%
MATERIALS & FUELS	382	8,000	8,000	8,000	-	0.0%
OUTSIDE SERVICES	5,676	50,000	50,000	60,000	10,000	20.0%
SUPPORT EXPENSES	3,778	16,800	16,800	19,800	3,000	17.9%
TOTAL COMPREHENSIVE PLANNING	637,210	975,531	1,021,100	1,081,800	106,269	10.9%
ENGINEERING						
PERSONNEL	7,293,502	7,670,049	7,584,800	7,976,700	306,651	4.0%
MATERIALS & FUELS	16,056	26,000	15,000	15,000	(11,000)	-42.3%
OUTSIDE SERVICES	80,424	177,000	170,000	170,000	(7,000)	-4.0%
SUPPORT EXPENSES	49,041	95,500	82,500	84,500	(11,000)	-11.5%
TOTAL ENGINEERING	7,439,023	7,968,549	7,852,300	8,246,200	277,651	3.5%
ENVIRONMENTAL SERVICES						
PERSONNEL	9,685,676	10,164,800	9,400,833	10,005,088	(159,712)	-1.6%
MATERIALS & FUELS	1,032,681	1,233,826	1,005,545	1,054,122	(179,704)	-14.6%
OUTSIDE SERVICES	608,299	1,089,065	1,259,993	1,319,299	230,234	21.1%
SUPPORT EXPENSES	51,651	165,093	180,887	186,866	21,773	13.2%
TOTAL ENVIRONMENTAL SERVICES	11,378,307	12,652,784	11,847,258	12,565,375	(87,409)	-0.7%
HUMAN RESOURCES						
PERSONNEL	1,613,538	1,626,308	1,835,250	1,929,150	302,842	18.6%
MATERIALS & FUELS	43,274	65,000	65,000	65,000	-	0.0%
OUTSIDE SERVICES	188,744	200,800	188,300	179,000	(21,800)	-10.9%
SUPPORT EXPENSES	529,299	559,750	615,850	606,700	46,950	8.4%
TOTAL HUMAN RESOURCES	2,374,855	2,451,858	2,704,400	2,779,850	327,992	13.4%
INFORMATION TECHNOLOGY						
PERSONNEL	-	-	4,782,000	5,327,300	5,327,300	0.0%
MATERIALS & FUELS	-	-	300,000	300,000	300,000	0.0%
OUTSIDE SERVICES	-	-	2,394,911	2,527,280	2,527,280	0.0%
SUPPORT EXPENSES	-	-	782,895	782,895	782,895	0.0%
TOTAL INFORMATION TECHNOLOGY	-	-	8,259,806	8,937,475	8,937,475	0.0%
OFFICE OF THE GENERAL COUNSEL						
PERSONNEL	491,996	582,986	607,900	639,200	56,214	9.6%
MATERIALS & FUELS	3,286	700	700	700	-	0.0%
OUTSIDE SERVICES	157,684	450,000	450,000	900,000	450,000	100.0%
SUPPORT EXPENSES	25,202	23,575	27,200	36,200	12,625	53.6%
TOTAL OFFICE OF THE GENERAL COUNSEL	678,168	1,057,261	1,085,800	1,576,100	518,839	49.1%

METRO WATER RECOVERY

OBJECT SUMMARY BY DEPARTMENT

	2021 Actual	2022 Budget	2022 Revsied	2023 Adopted	Adopted to Budget	
					*** Variance *** Dollars	Percent
OFFICE OF THE CEO						
PERSONNEL	837,840	942,764	1,557,600	1,635,500	692,736	73.5%
MATERIALS & FUELS	1,624	12,600	27,600	27,600	15,000	119.0%
OUTSIDE SERVICES	77,385	180,000	385,000	385,000	205,000	113.9%
SUPPORT EXPENSES	258,479	276,375	352,575	392,575	116,200	42.0%
TOTAL OFFICE OF THE CEO	1,175,328	1,411,739	2,322,775	2,440,675	1,028,936	72.9%
STRATEGY & COMMUNICATION						
PERSONNEL	1,132,526	1,299,415	1,460,500	1,657,400	357,985	27.5%
MATERIALS & FUELS	3,145	8,500	9,000	9,500	1,000	11.8%
OUTSIDE SERVICES	66,944	114,000	169,996	170,000	56,000	49.1%
SUPPORT EXPENSES	8,150	51,500	66,100	62,300	10,800	21.0%
TOTAL STRATEGY & COMMUNICATION	1,210,765	1,473,415	1,705,596	1,899,200	425,785	28.9%
TECHNOLOGY & INNOVATION						
PERSONNEL	1,441,508	1,432,599	2,981,400	3,335,899	1,903,300	132.9%
MATERIALS & FUELS	29,350	46,000	346,974	346,974	300,974	654.3%
OUTSIDE SERVICES	109,239	230,000	255,000	255,000	25,000	10.9%
SUPPORT EXPENSES	21,987	37,600	63,099	71,753	34,153	90.8%
TOTAL TECHNOLOGY & INNOVATION	1,602,084	1,746,199	3,646,473	4,009,626	2,263,427	129.6%
TOTAL METRO	\$ 90,858,666	\$ 98,726,223	\$ 102,078,003	\$ 109,437,851	\$ 10,711,628	10.8%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
TRANSMISSION OF WASTEWATER						
<i>TRANSMISSION - LIFT STATIONS</i>						
PERSONNEL	34,008	58,616	64,700	73,300	14,684	25.05%
MATERIALS & FUELS	29,729	10,000	10,000	10,000	-	0.00%
UTILITIES	123,345	102,000	102,000	103,000	1,000	0.98%
OUTSIDE SERVICES	2,283	-	-	-	-	0.00%
Subtotal	189,365	170,616	176,700	186,300	15,684	9.19%
<i>TRANSMISSION - ANNUAL CHARGES METERING/SAMPLING</i>						
PERSONNEL	32,132	40,243	44,800	47,500	7,257	18.03%
MATERIALS & FUELS	24,336	65,000	65,000	70,000	5,000	7.69%
UTILITIES	36,183	43,000	43,000	46,000	3,000	6.98%
OUTSIDE SERVICES	16,145	20,000	20,000	20,000	-	0.00%
Subtotal	108,796	168,243	172,800	183,500	15,257	9.07%
<i>TRANSMISSION - PLANT METERING/SAMPLING</i>						
PERSONNEL	1,392	9,473	9,800	11,100	1,627	17.18%
MATERIALS & FUELS	13,498	5,000	5,000	5,000	-	0.00%
Subtotal	14,890	14,473	14,800	16,100	1,627	11.24%
<i>TRANSMISSION - INDUSTRIAL WASTE METERING/SAMPLING</i>						
PERSONNEL	8,357	41,830	44,900	46,500	4,670	11.16%
MATERIALS & FUELS	4,826	-	-	-	-	0.00%
Subtotal	13,183	41,830	44,900	46,500	4,670	11.16%
<i>TRANSMISSION - OTHER METERING/SAMPLING</i>						
PERSONNEL	5,269	18,413	20,100	20,700	2,287	12.42%
MATERIALS & FUELS	823	-	-	-	-	0.00%
Subtotal	6,092	18,413	20,100	20,700	2,287	12.42%
<i>TRANSMISSION - INTERCEPTORS</i>						
PERSONNEL	1,127,383	736,652	811,800	925,600	188,948	25.65%
MATERIALS & FUELS	93,539	190,000	190,000	190,000	-	0.00%
UTILITIES	16,549	17,000	17,000	18,000	1,000	5.88%
OUTSIDE SERVICES	(250)	12,000	12,000	12,000	-	0.00%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
SUPPORT SERVICES	4,091	16,200	16,200	17,200	1,000	6.17%
Subtotal	1,241,313	971,852	1,047,000	1,162,800	190,948	19.65%
<i>TRANSMISSION - LINE LOCATE</i>						
PERSONNEL	43,898	-	-	-	-	0.00%
MATERIALS & FUELS	1,540	-	-	-	-	0.00%
OUTSIDE SERVICES	25,149	-	-	-	-	0.00%
Subtotal	70,587	-	-	-	-	
TOTAL TRANSMISSION OF WASTEWATER	1,644,226	1,385,427	1,476,300	1,615,900	230,473	16.64%
<i>RWHTF TREATMENT OF WASTEWATER</i>						
<i>NORTH PRIMARY</i>						
PERSONNEL	580,576	654,672	690,246	725,346	70,674	10.80%
MATERIALS & FUELS	139,894	207,000	207,000	207,000	-	0.00%
UTILITIES	57,605	250,000	250,000	250,000	-	0.00%
OUTSIDE SERVICES	40,997	50,000	50,000	50,000	-	0.00%
Subtotal	819,073	1,161,672	1,197,246	1,232,346	70,674	6.08%
<i>SOUTH PRIMARY</i>						
PERSONNEL	436,519	567,749	609,446	639,346	71,597	12.61%
MATERIALS & FUELS	130,414	48,000	48,000	48,000	-	0.00%
UTILITIES	57,605	70,000	70,000	70,000	-	0.00%
OUTSIDE SERVICES	22,418	23,000	23,000	25,000	2,000	8.70%
Subtotal	646,957	708,749	750,446	782,346	73,597	10.38%
<i>NORTH SECONDARY</i>						
PERSONNEL	636,335	877,996	891,476	936,076	58,080	6.62%
MATERIALS & FUELS	245,593	323,000	323,000	323,000	-	0.00%
UTILITIES	1,872,173	1,300,000	1,300,000	1,400,000	100,000	7.69%
OUTSIDE SERVICES	30,914	12,000	12,000	12,000	-	0.00%
Subtotal	2,785,015	2,512,996	2,526,476	2,671,076	158,080	6.29%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>SOUTH SECONDARY</i>						
PERSONNEL	682,265	805,607	788,513	827,613	22,006	2.73%
MATERIALS & FUELS	341,041	202,000	202,000	202,000	-	0.00%
UTILITIES	1,516,940	1,100,000	1,100,000	1,100,000	-	0.00%
OUTSIDE SERVICES	19,219	7,000	7,000	7,000	-	0.00%
Subtotal	2,559,465	2,114,607	2,097,513	2,136,613	22,006	1.04%
<i>DISINFECTION</i>						
PERSONNEL	329,449	340,488	333,849	349,849	9,361	2.75%
MATERIALS & FUELS	71,274	69,000	69,000	69,000	-	0.00%
CHEMICALS	3,255,536	2,650,000	2,600,000	3,100,000	450,000	16.98%
UTILITIES	211,219	70,000	70,000	70,000	-	0.00%
OUTSIDE SERVICES	3,758	11,000	11,000	15,000	4,000	36.36%
Subtotal	3,871,237	3,140,488	3,083,849	3,603,849	463,361	14.75%
<i>GREASE PROCESSING</i>						
PERSONNEL	204,907	258,923	253,398	267,398	8,475	3.27%
MATERIALS & FUELS	35,765	45,500	45,500	45,500	-	0.00%
UTILITIES	-	100,000	100,000	100,000	-	0.00%
OUTSIDE SERVICES	-	8,000	8,000	10,000	2,000	25.00%
Subtotal	240,672	412,423	406,898	422,898	10,475	2.54%
<i>SUPPORT</i>						
PERSONNEL	5,938,592	5,145,273	5,138,542	5,530,847	385,574	7.49%
MATERIALS & FUELS	299,546	236,000	236,000	347,800	111,800	47.37%
UTILITIES	1,569,453	1,885,000	1,885,000	2,020,000	135,000	7.16%
OUTSIDE SERVICES	52,757	12,000	12,000	15,000	3,000	25.00%
SUPPORT SERVICES	121,149	196,900	196,900	205,450	8,550	4.34%
Subtotal	7,981,498	7,475,173	7,468,442	8,119,097	643,924	8.61%
<i>PROCESS CONTROL OPS</i>						
PERSONNEL	348,955	482,629	543,200	571,300	88,671	18.37%
MATERIALS & FUELS	104	5,000	5,000	5,000	-	0.00%
Subtotal	349,059	487,629	548,200	576,300	88,671	18.18%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
TOTAL RWHTF TREATMENT OF WASTEWATER	19,252,975	18,013,737	18,079,070	19,544,525	1,530,788	8.50%
RWHTF PROCESSING OF SOLIDS						
<i>DISSOLVED AIR FLOTATION</i>						
PERSONNEL	341,829	426,101	429,532	452,632	26,531	6.23%
MATERIALS & FUELS	129,133	53,500	53,500	53,500	-	0.00%
CHEMICALS	513,795	520,000	520,000	530,000	10,000	1.92%
UTILITIES	326,430	140,000	140,000	140,000	-	0.00%
OUTSIDE SERVICES	783	5,000	5,000	5,000	-	0.00%
Subtotal	1,311,970	1,144,601	1,148,032	1,181,132	36,531	3.19%
<i>ANAEROBIC DIGESTION</i>						
PERSONNEL	637,221	866,342	849,579	894,479	28,137	3.25%
MATERIALS & FUELS	307,292	416,000	416,000	416,000	-	0.00%
CHEMICALS	606,743	865,000	815,000	875,000	10,000	1.16%
UTILITIES	144,013	190,000	190,000	200,000	10,000	5.26%
OUTSIDE SERVICES	5,814	30,000	265,000	500,000	470,000	1566.67%
Subtotal	1,701,083	2,367,342	2,535,579	2,885,479	518,137	21.89%
<i>COGENERATION</i>						
PERSONNEL	151,772	108,584	89,254	95,954	(12,630)	-11.63%
MATERIALS & FUELS	15,088	37,000	37,000	37,000	-	0.00%
UTILITIES	-	630,000	630,000	640,000	10,000	1.59%
OUTSIDE SERVICES	1,382,803	1,689,000	1,689,000	1,760,000	71,000	4.20%
Subtotal	1,549,662	2,464,584	2,445,254	2,532,954	68,370	2.77%
<i>CENTRIFUGATION</i>						
PERSONNEL	661,475	1,048,698	1,020,393	1,074,793	26,095	2.49%
MATERIALS & FUELS	212,479	367,000	367,000	367,000	-	0.00%
CHEMICALS	2,701,050	3,318,500	3,168,500	3,190,000	(128,500)	-3.87%
UTILITIES	451,242	300,000	300,000	300,000	-	0.00%
OUTSIDE SERVICES	673	52,000	52,000	55,000	3,000	5.77%
Subtotal	4,026,920	5,086,198	4,907,893	4,986,793	(99,405)	-1.95%
TOTAL RWHTF PROCESSING OF SOLIDS	8,589,635	11,062,725	11,036,758	11,586,358	523,633	4.73%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
RWHTF RECYCLING OF SOLIDS						
<i>METROGRO AG TRANSPORT</i>						
PERSONNEL	1,828,954	1,065,544	1,131,900	1,232,400	166,856	15.66%
MATERIALS & FUELS	1,067,766	670,450	670,450	693,850	23,400	3.49%
OUTSIDE SERVICES	32,914	21,000	21,000	25,000	4,000	19.05%
Subtotal	2,929,633	1,756,994	1,823,350	1,951,250	194,256	11.06%
<i>METROGRO FARM AG TRANSPORT</i>						
PERSONNEL	401,150	601,610	586,100	629,500	27,890	4.64%
MATERIALS & FUELS	136,616	129,890	129,890	143,370	13,480	10.38%
OUTSIDE SERVICES	1,258	13,000	13,000	13,000	-	0.00%
Subtotal	539,024	744,500	728,990	785,870	41,370	5.56%
<i>METROGRO AG DISTRIBUTION</i>						
PERSONNEL	950,145	1,026,802	1,016,900	1,095,100	68,298	6.65%
MATERIALS & FUELS	580,140	468,340	468,340	477,220	8,880	1.90%
OUTSIDE SERVICES	74,011	160,000	85,000	88,000	(72,000)	-45.00%
Subtotal	1,604,297	1,655,142	1,570,240	1,660,320	5,178	0.31%
<i>METROGRO FARM AG DISTRIBUTION</i>						
PERSONNEL	335,982	629,185	616,500	655,900	26,715	4.25%
MATERIALS & FUELS	29,992	156,330	156,330	157,890	1,560	1.00%
OUTSIDE SERVICES	34,688	48,000	48,000	51,000	3,000	6.25%
Subtotal	400,662	833,515	820,830	864,790	31,275	3.75%
<i>RECYCLE SUPPORT</i>						
PERSONNEL	11,509	24,455	22,965	24,065	(390)	-1.59%
MATERIALS & FUELS	2,844	10,200	10,200	10,200	-	0.00%
OUTSIDE SERVICES	927	3,000	3,000	5,000	2,000	66.67%
Subtotal	15,280	37,655	36,165	39,265	1,610	4.28%
<i>METROGRO FARM ACTIVITIES</i>						
PERSONNEL	534,223	897,310	915,900	970,800	73,490	8.19%
MATERIALS & FUELS	655,190	889,990	889,990	928,670	38,680	4.35%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
CHEMICALS	1,658,170	2,090,000	1,890,000	1,890,000	(200,000)	-9.57%
UTILITIES	13,834	29,500	29,500	33,000	3,500	11.86%
OUTSIDE SERVICES	612,699	1,359,800	1,259,800	1,318,000	(41,800)	-3.07%
SUPPORT SERVICES	861	-	-	-	-	0.00%
Subtotal	3,474,977	5,266,600	4,985,190	5,140,470	(126,130)	-2.39%
<i>STROMO COMPOSTING TRANSPORT</i>						
MATERIALS & FUELS	-	-	-	-	-	0.00%
OUTSIDE SERVICES	47,072	3,000	3,000	3,000	-	0.00%
Subtotal	47,697	3,000	3,000	3,000	-	0.00%
<i>BUILDING SUPPORT</i>						
PERSONNEL	77,162	77,793	74,000	78,000	207	0.27%
MATERIALS & FUELS	19,749	25,000	25,000	25,000	-	0.00%
UTILITIES	4,198	4,500	4,500	5,000	500	11.11%
OUTSIDE SERVICES	43,056	14,000	14,000	15,000	1,000	7.14%
SUPPORT SERVICES	-	-	-	-	-	0.00%
Subtotal	144,166	121,293	117,500	123,000	1,707	1.41%
TOTAL RWHTF RECYCLING OF SOLIDS	9,155,735	10,418,699	10,085,265	10,567,965	149,266	1.43%
<i>NTP TREATMENT OF WASTEWATER</i>						
<i>HEADWORKS</i>						
PERSONNEL	94,124	123,292	140,600	156,000	32,708	26.53%
MATERIALS & FUELS	23,366	33,500	33,500	34,314	814	2.43%
UTILITIES	107,255	119,000	124,000	134,200	15,200	12.77%
OUTSIDE SERVICES	9,270	7,700	7,700	8,000	300	3.90%
Subtotal	234,014	283,492	305,800	332,514	49,022	17.29%
<i>PRIMARY TREATMENT</i>						
PERSONNEL	54,453	73,138	88,700	144,200	71,062	97.16%
MATERIALS & FUELS	836	11,000	11,000	11,495	495	4.50%
UTILITIES	27,187	30,000	34,000	34,200	4,200	14.00%
OUTSIDE SERVICES	891	500	500	1,000	500	100.00%
Subtotal	83,367	114,638	134,200	190,895	76,257	66.52%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>SECONDARY TREATMENT</i>						
PERSONNEL	117,941	76,828	92,300	106,400	29,572	38.49%
MATERIALS & FUELS	70,376	97,500	97,500	99,221	1,721	1.77%
CHEMICALS	40,359	21,000	25,500	26,500	5,500	26.19%
UTILITIES	267,391	224,000	224,000	224,200	200	0.09%
OUTSIDE SERVICES	11,799	2,000	2,000	2,000	-	0.00%
Subtotal	507,866	421,328	441,300	458,321	36,993	8.78%
<i>TERTIARY TREATMENT</i>						
PERSONNEL	73,395	105,310	130,500	157,100	51,790	49.18%
MATERIALS & FUELS	7,064	11,500	11,500	12,001	501	4.36%
CHEMICALS	22,440	28,500	29,500	30,500	2,000	7.02%
UTILITIES	164,446	204,000	204,000	204,200	200	0.10%
OUTSIDE SERVICES	5,116	1,000	1,000	1,000	-	0.00%
Subtotal	272,461	350,310	376,500	404,801	54,491	15.56%
<i>DISINFECTION & EFFLUENT TRANSFER</i>						
PERSONNEL	71,283	91,158	120,500	145,800	54,642	59.94%
MATERIALS & FUELS	10,080	32,500	32,500	33,300	800	2.46%
CHEMICALS	-	3,600	-	-	(3,600)	-100.00%
UTILITIES	107,255	114,000	124,000	124,200	10,200	8.95%
OUTSIDE SERVICES	1,266	16,000	16,000	16,000	-	0.00%
Subtotal	189,884	257,258	293,000	319,300	62,042	24.12%
<i>PROCESS MAINTENANCE - EQUIPMENT</i>						
PERSONNEL	-	-	-	-	-	0.00%
MATERIALS & FUELS	(16,597)	-	-	-	-	0.00%
OUTSIDE SERVICES	-	-	-	-	-	0.00%
Subtotal	(16,597)	-	-	-	-	0.00%
<i>PROCESS CONTROL OPS</i>						
PERSONNEL	108,592	226,919	242,000	254,900	27,981	12.33%
MATERIALS & FUELS	20,578	3,000	3,000	3,333	333	11.10%
Subtotal	129,170	229,919	245,000	258,233	28,314	12.31%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>SUPPORT</i>						
PERSONNEL	260,214	411,700	577,200	619,600	207,900	50.50%
OUTSIDE SERVICES	332,075	500,000	470,000	480,000	(20,000)	-4.00%
Subtotal	703,622	911,700	1,047,200	1,106,600	194,900	21.38%
TOTAL NTP TREATMENT OF WASTEWATER	2,103,786	2,568,645	2,843,000	3,070,664	502,019	19.54%
<i>NTP PROCESSING OF SOLIDS</i>						
<i>GRAVITY THICKENING</i>						
PERSONNEL	86,680	94,848	124,100	149,700	54,852	57.83%
MATERIALS & FUELS	37,136	34,500	34,500	35,328	828	2.40%
UTILITIES	27,187	24,000	24,000	24,200	200	0.83%
OUTSIDE SERVICES	-	500	500	1,000	500	100.00%
Subtotal	151,003	153,848	183,100	210,228	56,380	36.65%
<i>WAS THICKENING</i>						
PERSONNEL	73,164	94,848	124,100	149,700	54,852	57.83%
MATERIALS & FUELS	18,218	24,500	24,500	24,172	(328)	-1.34%
CHEMICALS	32,935	28,500	29,500	30,000	1,500	5.26%
UTILITIES	15,749	14,000	14,000	14,200	200	1.43%
OUTSIDE SERVICES	1,781	500	500	1,000	500	100.00%
Subtotal	141,848	162,348	192,600	219,072	56,724	34.94%
<i>ANAEROBIC DIGESTION</i>						
PERSONNEL	78,051	97,785	126,700	152,800	55,015	56.26%
MATERIALS & FUELS	97,172	90,500	90,500	92,123	1,623	1.79%
CHEMICALS	42,333	74,000	76,000	78,500	4,500	6.08%
UTILITIES	143,007	144,000	144,000	144,200	200	0.14%
OUTSIDE SERVICES	891	2,500	25,000	25,000	22,500	900.00%
Subtotal	361,454	408,785	462,200	492,623	83,838	20.51%
<i>DIGESTED SOLIDS DEWATERING</i>						
PERSONNEL	102,161	128,054	161,200	177,800	49,746	38.85%
MATERIALS & FUELS	29,426	42,500	42,500	43,442	942	2.22%
CHEMICALS	278,683	210,000	217,000	224,000	14,000	6.67%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
UTILITIES	15,749	14,000	14,000	14,200	200	1.43%
OUTSIDE SERVICES	1,481	30,000	30,000	30,000	-	0.00%
Subtotal	427,500	424,554	464,700	489,442	64,888	15.28%
<i>DIGESTED SOLIDS DEWATERING</i>						
PERSONNEL	68,189	76,828	92,300	106,400	29,572	38.49%
MATERIALS & FUELS	14,669	28,500	28,500	29,243	743	2.61%
UTILITIES	100,355	100,000	100,000	102,500	2,500	2.50%
OUTSIDE SERVICES	45,994	190,000	320,000	325,000	135,000	71.05%
Subtotal	229,207	395,328	540,800	563,143	167,815	42.45%
TOTAL NTP PROCESSING OF SOLIDS	1,311,012	1,544,863	1,843,400	1,974,508	429,645	27.81%
<i>NTP RECYCLING OF SOLIDS</i>						
<i>METROGRO FARM AG TRANSPORT</i>						
PERSONNEL	54,505	118,094	113,200	123,900	5,806	4.92%
MATERIALS & FUELS	-	1,000	1,000	1,000	-	0.00%
OUTSIDE SERVICES	-	-	-	-	-	0.00%
Subtotal	54,505	119,094	114,200	124,900	5,806	4.88%
<i>METROGRO FARM AG DISTRIBUTION</i>						
PERSONNEL	48,636	126,057	117,900	128,700	2,643	2.10%
MATERIALS & FUELS	-	1,000	1,000	1,000	-	0.00%
Subtotal	48,636	127,057	118,900	129,700	2,643	2.08%
<i>PRIVATE COMPOSTER</i>						
PERSONNEL	10,114	-	-	-	-	0.00%
MATERIALS & FUELS	-	-	-	-	-	0.00%
OUTSIDE SERVICES	21,000	-	-	-	-	0.00%
Subtotal	31,114	-	-	-	-	0.00%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>NTP SUPPORT</i>						
PERSONNEL	32,187	98,955	97,100	102,500	3,545	3.58%
MATERIALS & FUELS	255	35,000	35,000	40,000	5,000	14.29%
OUTSIDE SERVICES	-	15,000	15,000	15,000	-	0.00%
Subtotal	32,442	148,955	147,100	157,500	8,545	5.74%
<i>DISTRICT VEHICLES (NTP)</i>						
PERSONNEL	52,849	119,736	112,900	120,200	464	0.39%
MATERIALS & FUELS	5,778	19,000	19,000	23,000	4,000	21.05%
OUTSIDE SERVICES	-	-	-	-	-	0.00%
Subtotal	58,627	138,736	131,900	143,200	4,464	3.22%
TOTAL NTP RECYCLING OF SOLIDS	225,324	533,842	512,100	555,300	21,458	4.02%
TECHNICAL MANAGEMENT SUPPORT						
<i>TRANS MANAGEMENT</i>						
PERSONNEL	497,196	529,671	550,900	581,200	51,529	9.73%
MATERIALS & FUELS	12,581	-	-	-	-	0.00%
SUPPORT SERVICES	7,569	27,000	27,000	31,500	4,500	16.67%
Subtotal	517,745	556,671	577,900	612,700	56,029	10.07%
<i>RWHTF MANAGEMENT</i>						
PERSONNEL	975,392	931,377	785,900	827,800	(103,577)	-11.12%
MATERIALS & FUELS	10,046	16,500	16,500	16,500	-	0.00%
OUTSIDE SERVICES	74,143	115,000	65,000	65,000	(50,000)	-43.48%
SUPPORT SERVICES	36,671	25,250	25,250	30,250	5,000	19.80%
Subtotal	1,096,252	1,088,127	892,650	939,550	(148,577)	-13.65%
<i>NTP MANAGEMENT</i>						
PERSONNEL	240,538	338,449	246,800	506,600	168,151	49.68%
MATERIALS & FUELS	32,737	11,500	11,500	15,000	3,500	30.43%
OUTSIDE SERVICES	34,395	12,000	15,000	25,000	13,000	108.33%
SUPPORT SERVICES	10,239	18,500	18,500	17,500	(1,000)	-5.41%
Subtotal	317,909	380,449	291,800	564,100	183,651	48.27%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>GROUNDS</i>						
PERSONNEL	486,047	443,348	372,061	419,461	(23,887)	-5.39%
MATERIALS & FUELS	96,817	287,000	287,000	289,975	2,975	1.04%
OUTSIDE SERVICES	247,491	95,000	95,000	100,000	5,000	5.26%
SUPPORT SERVICES	1,559	-	-	2,000	2,000	0.00%
Subtotal	831,914	825,348	754,061	811,436	(13,912)	-1.69%
<i>GROUNDS & SUPPORT BLDGS</i>						
MATERIALS & FUELS	16,597	-	-	-	-	0.00%
Subtotal	16,597	-	-	-	-	0.00%
<i>EQUIPMENT</i>						
PERSONNEL	79,958	176,371	187,148	206,648	30,277	17.17%
MATERIALS & FUELS	315,267	260,000	260,000	261,275	1,275	0.49%
OUTSIDE SERVICES	100,598	33,500	33,500	36,000	2,500	7.46%
Subtotal	495,823	469,871	480,648	503,923	34,052	7.25%
<i>SUPPORT TO FACILITIES</i>						
PERSONNEL	444,003	662,384	811,908	855,108	192,724	29.10%
MATERIALS & FUELS	327,636	490,000	490,000	490,000	-	0.00%
OUTSIDE SERVICES	1,270,725	1,180,000	920,000	935,000	(245,000)	-20.76%
Subtotal	2,042,364	2,332,384	2,221,908	2,280,108	(52,276)	-2.24%
<i>SUPPORT TO TRANSMISSION</i>						
PERSONNEL	279,316	418,332	433,685	455,285	36,953	8.83%
MATERIALS & FUELS	178,271	150,000	150,000	150,000	-	0.00%
OUTSIDE SERVICES	3,646	6,000	6,000	6,000	-	0.00%
Subtotal	461,233	574,332	589,685	611,285	36,953	6.43%
<i>RR&R MANAGEMENT</i>						
PERSONNEL	677,202	445,099	587,000	626,500	181,401	40.76%
MATERIALS & FUELS	26,700	12,000	12,000	13,000	1,000	8.33%
OUTSIDE SERVICES	122,294	9,000	9,000	10,000	1,000	11.11%
SUPPORT SERVICES	29,330	83,800	83,800	85,300	1,500	1.79%
Subtotal	855,525	549,899	691,800	734,800	184,901	33.62%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>SUPPORT</i>						
PERSONNEL	681,917	492,873	388,500	544,100	51,227	10.39%
MATERIALS & FUELS	29,384	42,000	42,000	42,778	778	1.85%
UTILITIES	582,557	457,000	467,000	514,700	57,700	12.63%
OUTSIDE SERVICES	48,507	-	-	-	-	0.00%
SUPPORT SERVICES	3,158	27,250	27,250	27,500	250	0.92%
Subtotal	1,345,523	1,019,123	924,750	1,129,078	109,955	10.79%
<i>SUPPORT TO PROCESS CONTROL</i>						
PERSONNEL	22,550	289,621	348,900	367,200	77,579	26.79%
Subtotal	22,550	289,621	348,900	367,200	77,579	26.79%
<i>DISTRICT VEHICLES</i>						
PERSONNEL	479,335	461,271	388,800	409,200	(52,071)	-11.29%
MATERIALS & FUELS	381,181	427,600	427,600	445,750	18,150	4.24%
OUTSIDE SERVICES	16,754	21,200	21,200	25,000	3,800	17.92%
Subtotal	877,270	910,071	837,600	879,950	(30,121)	-3.31%
<i>ANALYTICAL SERVICES MANAGEMENT</i>						
PERSONNEL	1,214,007	309,120	4,660,583	4,900,893	4,591,773	1485.43%
MATERIALS & FUELS	136,479	211,737	852,445	895,067	683,330	322.73%
OUTSIDE SERVICES	261,455	510,105	635,881	676,177	166,072	32.56%
SUPPORT SERVICES	23,283	60,599	69,533	72,806	12,207	20.14%
Subtotal	1,635,224	1,091,561	6,218,442	6,544,943	5,453,382	499.59%
<i>ANALYTICAL SVCS SPRT TO TREATMENT</i>						
PERSONNEL	1,726,204	2,165,134	-	-	(2,165,134)	-100.00%
MATERIALS & FUELS	208,739	163,217	-	-	(163,217)	-100.00%
OUTSIDE SERVICES	55,631	-	-	-	-	0.00%
Subtotal	1,990,574	2,328,351	-	-	(2,328,351)	-100.00%
<i>ANALYTICAL SVCS STREAM MONITORING</i>						
PERSONNEL	659,649	546,286	-	-	(546,286)	-100.00%
MATERIALS & FUELS	33,481	75,976	-	-	(75,976)	-100.00%
OUTSIDE SERVICES	3,943	-	-	-	-	0.00%
Subtotal	697,073	622,262	-	-	(622,262)	-100.00%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>ANALYTICAL SVCS SPRT TO SLDS PROCESSING</i>						
PERSONNEL	202,471	492,111	-	-	(492,111)	-100.00%
MATERIALS & FUELS	7,061	39,483	-	-	(39,483)	-100.00%
Subtotal	209,532	531,594	-	-	(531,594)	-100.00%
<i>ANALYTICAL SVCS SPRT SLDS RECYCLING</i>						
PERSONNEL	251,345	561,759	-	-	(561,759)	-100.00%
MATERIALS & FUELS	32,409	28,474	-	-	(28,474)	-100.00%
OUTSIDE SERVICES	25,752	-	-	-	-	0.00%
Subtotal	309,506	590,233	-	-	(590,233)	-100.00%
<i>ANALYTICAL SVCS ANNUAL CHRGS ANALYSIS</i>						
PERSONNEL	348,823	415,555	-	-	(415,555)	-100.00%
MATERIALS & FUELS	53,809	138,852	-	-	(138,852)	-100.00%
Subtotal	402,632	554,407	-	-	(554,407)	-100.00%
<i>ANALYTICAL SVCS INDUSTRIAL WASTE CTRL</i>						
PERSONNEL	475,046	851,723	-	-	(851,723)	-100.00%
MATERIALS & FUELS	166,733	154,113	-	-	(154,113)	-100.00%
OUTSIDE SERVICES	35,281	-	-	-	-	0.00%
Subtotal	677,061	1,005,836	-	-	(1,005,836)	-100.00%
<i>ANALYTICAL SERVICES SPECIAL SERVICES</i>						
PERSONNEL	572,987	340,834	-	-	(340,834)	-100.00%
MATERIALS & FUELS	280,142	300,974	-	-	(300,974)	-100.00%
OUTSIDE SERVICES	84,797	-	-	-	-	0.00%
Subtotal	937,926	641,808	-	-	(641,808)	-100.00%
<i>ENGINEERING MANAGEMENT</i>						
PERSONNEL	3,701,431	4,178,919	4,269,400	4,492,200	313,281	7.50%
MATERIALS & FUELS	15,073	26,000	15,000	15,000	(11,000)	-42.31%
OUTSIDE SERVICES	71,924	152,000	150,000	150,000	(2,000)	-1.32%
SUPPORT SERVICES	43,965	95,500	82,500	84,500	(11,000)	-11.52%
Subtotal	3,832,392	4,452,419	4,516,900	4,741,700	289,281	6.50%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>INTERCEPTOR DIVISION</i>						
PERSONNEL	123,928	98,643	100,800	105,700	7,057	7.15%
Subtotal	123,928	98,643	100,800	105,700	7,057	7.15%
<i>TREATMENT PLANT DIVISION</i>						
PERSONNEL	1,565,031	1,338,619	1,243,800	1,308,200	(30,419)	-2.27%
Subtotal	1,565,031	1,338,619	1,243,800	1,308,200	(30,419)	-2.27%
<i>FACILITIES MODIFICATIONS</i>						
PERSONNEL	228,375	434,398	415,800	437,200	2,802	0.65%
Subtotal	228,375	434,398	415,800	437,200	2,802	0.65%
<i>LAND MANAGEMENT</i>						
PERSONNEL	64,572	4,250	3,500	3,500	(750)	-17.65%
Subtotal	64,572	4,250	3,500	3,500	(750)	-17.65%
<i>FACILITIES DRAWINGS</i>						
PERSONNEL	367,342	184,138	169,200	178,800	(5,338)	-2.90%
Subtotal	367,342	184,138	169,200	178,800	(5,338)	-2.90%
<i>TECHNOLOGY AND INNOVATION</i>						
PERSONNEL	1,441,508	1,432,599	2,981,400	3,335,899	1,903,300	132.86%
MATERIALS & FUELS	25,865	46,000	346,974	346,974	300,974	654.29%
OUTSIDE SERVICES	109,089	230,000	255,000	255,000	25,000	10.87%
SUPPORT SERVICES	18,546	37,600	63,099	71,753	34,153	90.83%
Subtotal	1,595,007	1,746,199	3,646,473	4,009,626	2,263,427	129.62%
<i>CAPITAL PLANNING</i>						
PERSONNEL	627,374	900,731	946,300	994,000	93,269	10.35%
MATERIALS & FUELS	382	8,000	8,000	8,000	-	0.00%
OUTSIDE SERVICES	5,676	50,000	50,000	60,000	10,000	20.00%
SUPPORT SERVICES	3,778	16,800	16,800	19,800	3,000	17.86%
Subtotal	637,210	975,531	1,021,100	1,081,800	106,269	10.89%
TOTAL TECHNICAL MANAGEMENT	24,154,089	25,596,145	25,947,717	27,845,599	2,249,454	8.79%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
ADMINISTRATIVE SUPPORT						
<i>ENVIRONMENTAL SVCS MGMT</i>						
PERSONNEL	216,269	248,952	270,800	293,700	44,748	17.97%
MATERIALS & FUELS	4,396	2,000	2,100	2,205	205	10.25%
OUTSIDE SERVICES	27,714	110,000	110,000	110,000	-	0.00%
SUPPORT SERVICES	6,572	32,200	34,935	36,607	4,407	13.69%
Subtotal	254,951	393,152	417,835	442,512	49,360	12.55%
<i>PRTRTMNT/INDSTR L WASTE</i>						
PERSONNEL	2,528,217	2,674,274	2,840,050	2,990,595	316,321	11.83%
MATERIALS & FUELS	72,347	81,000	113,000	118,650	37,650	46.48%
OUTSIDE SERVICES	1,404	15,100	15,100	15,100	-	0.00%
SUPPORT SERVICES	7,785	32,625	33,225	33,225	600	1.84%
Subtotal	2,609,753	2,802,999	3,001,375	3,157,570	354,571	12.65%
<i>REGULATORY COMPLIANCE</i>						
PERSONNEL	871,200	919,104	939,000	987,600	68,496	7.45%
MATERIALS & FUELS	3,244	4,000	4,000	4,200	200	5.00%
OUTSIDE SERVICES	60,550	74,410	155,562	171,772	97,362	130.85%
SUPPORT SERVICES	9,872	18,085	21,610	22,103	4,018	22.22%
Subtotal	944,866	1,015,599	1,120,172	1,185,675	170,076	16.75%
<i>SAFETY</i>						
PERSONNEL	360,127	376,517	382,150	401,250	24,733	6.57%
MATERIALS & FUELS	34,875	60,000	60,000	60,000	-	0.00%
OUTSIDE SERVICES	14,729	50,300	50,300	40,000	(10,300)	-20.48%
SUPPORT SERVICES	13,216	25,600	25,600	25,600	-	0.00%
Subtotal	422,948	512,417	518,050	526,850	14,433	2.82%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>GOVTL AFFAIRS/WATER QUALITY</i>						
PERSONNEL	619,458	639,948	690,400	832,300	192,352	30.06%
MATERIALS & FUELS	33,840	34,000	34,000	34,000	-	0.00%
OUTSIDE SERVICES	51,772	379,450	343,450	346,250	(33,200)	-8.75%
SUPPORT SERVICES	4,139	21,584	21,584	22,125	541	2.51%
Subtotal	709,209	1,074,982	1,089,434	1,234,675	159,693	14.86%
<i>STRATEGY AND COMMUNICATION</i>						
PERSONNEL	1,132,526	1,299,415	1,460,500	1,657,400	357,985	27.55%
MATERIALS & FUELS	3,145	8,500	9,000	9,500	1,000	11.76%
OUTSIDE SERVICES	66,944	114,000	169,996	170,000	56,000	49.12%
SUPPORT SERVICES	8,150	51,500	66,100	62,300	10,800	20.97%
Subtotal	1,210,765	1,473,415	1,705,596	1,899,200	425,785	28.90%
<i>OFFICE OF THE MANAGER</i>						
PERSONNEL	837,840	942,764	1,557,600	1,635,500	692,736	73.48%
MATERIALS & FUELS	1,624	12,600	27,600	27,600	15,000	119.05%
OUTSIDE SERVICES	1,135	100,000	305,000	305,000	205,000	205.00%
SUPPORT SERVICES	230,077	238,375	314,575	354,575	116,200	48.75%
Subtotal	1,070,675	1,293,739	2,204,775	2,322,675	1,028,936	79.53%
<i>TECHNOLOGY AND INNOVATION</i>						
MATERIALS & FUELS	3,485	-	-	-	-	0.00%
OUTSIDE SERVICES	150	-	-	-	-	0.00%
SUPPORT SERVICES	3,442	-	-	-	-	0.00%
Subtotal	7,077	-	-	-	-	0.00%
<i>BOARD OF DIRECTORS</i>						
OUTSIDE SERVICES	76,250	80,000	80,000	80,000	-	0.00%
SUPPORT SERVICES	28,402	38,000	38,000	38,000	-	0.00%
Subtotal	104,652	118,000	118,000	118,000	-	0.00%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>HUMAN RESOURCES</i>						
PERSONNEL	1,253,410	1,249,791	1,453,100	1,527,900	278,109	22.25%
MATERIALS & FUELS	8,399	5,000	5,000	5,000	-	0.00%
OUTSIDE SERVICES	174,015	150,500	138,000	139,000	(11,500)	-7.64%
SUPPORT SERVICES	516,083	534,150	590,250	581,100	46,950	8.79%
Subtotal	1,951,907	1,939,441	2,186,350	2,253,000	313,559	16.17%
<i>LEGAL SERVICES</i>						
PERSONNEL	491,996	582,986	607,900	639,200	56,214	9.64%
MATERIALS & FUELS	3,286	700	700	700	-	0.00%
OUTSIDE SERVICES	157,684	450,000	450,000	900,000	450,000	100.00%
SUPPORT SERVICES	25,202	23,575	27,200	36,200	12,625	53.55%
Subtotal	678,168	1,057,261	1,085,800	1,576,100	518,839	49.07%
<i>INFORMATION SERVICES</i>						
PERSONNEL	4,015,032	4,366,716	4,782,000	5,327,300	960,584	22.00%
MATERIALS & FUELS	201,754	287,100	300,000	300,000	12,900	4.49%
OUTSIDE SERVICES	1,766,436	2,065,322	2,394,911	2,527,280	461,958	22.37%
SUPPORT SERVICES	502,642	557,215	782,895	782,895	225,680	40.50%
Subtotal	6,485,865	7,276,353	8,259,806	8,937,475	1,661,122	22.83%
<i>FINANCE</i>						
PERSONNEL	1,575,823	1,573,722	1,352,700	1,423,800	(149,922)	-9.53%
MATERIALS & FUELS	13,225	9,200	9,200	9,200	-	0.00%
OUTSIDE SERVICES	409,751	358,900	418,900	400,900	42,000	11.70%
SUPPORT SERVICES	17,467	30,600	26,700	25,800	(4,800)	-15.69%
Subtotal	2,016,265	1,972,422	1,807,500	1,859,700	(112,722)	-5.71%
<i>PROCUREMENT</i>						
PERSONNEL	1,614,121	1,844,096	1,685,100	1,773,100	(70,996)	-3.85%
MATERIALS & FUELS	152,282	257,000	231,000	228,000	(29,000)	-11.28%
OUTSIDE SERVICES	46,770	17,200	1,000	1,000	(16,200)	-94.19%
SUPPORT SERVICES	4,753	43,523	43,000	43,700	177	0.41%
Subtotal	1,817,925	2,161,819	1,960,100	2,045,800	(116,019)	-5.37%

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed	Proposed to Budget	
					*** Variance ***	
					Dollars	Percent
<i>INSURANCE</i>						
OUTSIDE SERVICES	25,299	25,000	30,000	25,000	-	0.00%
SUPPORT SERVICES	1,828,744	1,625,000	1,941,600	2,061,600	436,600	26.87%
Subtotal	1,854,043	1,650,000	1,971,600	2,086,600	436,600	26.46%
<i>SECURITY</i>						
PERSONNEL	270,948	273,459	274,700	291,100	17,641	6.45%
MATERIALS & FUELS	7,745	20,000	20,000	22,000	2,000	10.00%
OUTSIDE SERVICES	745,076	1,105,000	1,105,000	1,240,000	135,000	12.22%
SUPPORT SERVICES	1,659	6,000	6,000	7,000	1,000	16.67%
Subtotal	1,025,428	1,404,459	1,405,700	1,560,100	155,641	11.08%
<i>CONTROL SYSTEMS</i>						
PERSONNEL	1,242,825	1,431,082	1,382,300	1,451,100	20,018	1.40%
MATERIALS & FUELS	983	-	-	-	-	0.00%
OUTSIDE SERVICES	8,501	25,000	20,000	20,000	(5,000)	-20.00%
SUPPORT SERVICES	5,077	-	-	-	-	0.00%
Subtotal	1,257,385	1,456,082	1,402,300	1,471,100	15,018	1.03%
TOTAL ADMINISTRATIVE SUPPORT	24,421,884	27,602,140	30,254,393	32,677,032	5,074,892	18.39%
TOTAL DISTRICT	90,858,666	98,726,223	102,078,003	109,437,851	10,711,628	10.85%

CAPITAL EQUIPMENT EXPENDITURES
For individual items ≥ \$10,000 & ≤ \$250,000

2023 Budget

	(O&M) New	(FAR) Replacement	Total
<u>SPECIALIZED SUPPORT EQUIPMENT</u>			
MAINTENANCE DEPARTMENT			
Trailer Mounted Pressure Washer (26682)	\$ -	\$ 15,000	\$ 15,000
Total Maintenance	-	15,000	15,000
RR&R DEPARTMENT			
OPERATIONS DIVISION			
6" Trash Pump (16966)	-	60,000	60,000
Emission Analyzer (26850)	-	25,000	25,000
	-	-	-
Total Resource Recovery & Reuse	-	85,000	85,000
ENGINEERING DEPARTMENT			
Lidar Scanner	-	60,000	60,000
Total Engineering	-	60,000	60,000
ENVIRONMENTAL SERVICES DEPARTMENT			
Glassware Asher	-	40,000	40,000
Incubator, Biomonitoring	-	21,000	21,000
Steam Sterilizer	-	84,000	84,000
ICPMS	-	175,000	175,000
Auto Titrator	-	35,000	35,000
Temperature monitoring for equipment	25,000	-	25,000
Microwave Digestion Oven	35,000	-	35,000
Total Environmental Services	60,000	355,000	415,000
TECHNOLOGY & INNOVATION			
Instrumentation - In-situ Analyzer (3)	-	40,050	40,050
Instrumentation - Extractive Analyzer	-	100,000	100,000
Instrumentation - Microwave Density	-	35,000	35,000
Total Technology & Innovation	-	175,050	175,050
TOTAL SPECIALIZED SUPPORT EQUIPMENT	60,000	690,050	750,050

VEHICLES

RR&R DEPARTMENT

OPERATIONS DIVISION

Live Bottom Trailer (26424)	-	125,000	125,000
Live Bottom Trailer (26431)	-	125,000	125,000

Total RR&R	-	250,000	250,000
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CAPITAL EQUIPMENT EXPENDITURES
For individual items ≥ \$10,000 & ≤ \$250,000

2023 Budget

	(O&M) New	(FAR) Replacement	Total
NORTHERN TREATMENT PLANT			
MAINTENANCE DIVISION			
Electric Cart (26073, 26090, & 26093)	-	60,000	60,000
John Deere Gator (26296)	-	20,000	20,000
Total Maintenance	-	80,000	80,000
ENGINEERING DEPARTMENT			
SUV (16140)		40,000	40,000
Total Engineering	-	40,000	40,000
TOTAL VEHICLES	-	370,000	370,000
TOTAL CAPITAL EQUIPMENT EXPENDITURES	\$ 60,000	\$ 1,060,050	\$ 1,120,050

CAPITAL EQUIPMENT EXPENDITURES

For individual items \geq \$250,000

2023 Budget

	(Gen) New	(FAR) Replacement	Total
<u>SPECIALIZED SUPPORT EQUIPMENT</u>			
ENVIRONMENTAL SERVICES DEPARTMENT			
Liquid Chromatograph Triple Quad Mass Spectrometer	\$ -	\$ 450,000	\$ 450,000
TOTAL SPECIALIZED SUPPORT EQUIPMENT	-	450,000	450,000
<u>VEHICLES</u>			
None			
TOTAL VEHICLES	-	-	-
TOTAL CAPITAL EQUIPMENT EXPENDITURES	\$ -	\$ 450,000	\$ 450,000

CAPITAL EQUIPMENT EXPENDITURES
For individual items ≥ \$10,000 & ≤ \$250,000
2022 Revised Budget

	Appropriation			Revised			New Total		
	(O&M)	(FAR)	Total	(O&M)	(FAR)	Revised Total	(O&M)	(FAR)	New Total
	New	Replacement		New	Replacement		New	Replacement	
<u>SPECIALIZED SUPPORT EQUIPMENT</u>									
MAINTENANCE DEPARTMENT									
Trailer Mounted Pressure Washer (16939)	-	14,500	14,500	-	-	-	-	14,500	14,500
Vibration Analyzer	100,000	-	100,000	-	-	-	100,000	-	100,000
Oil Analysis Machine	110,000	-	110,000	-	-	-	110,000	-	110,000
Stationary Air Compressor	58,000	-	58,000	-	-	-	58,000	-	58,000
Trailer Mounted Air Compressor (26928)	-	30,000	30,000	-	-	-	-	30,000	30,000
Total Maintenance	268,000	44,500	312,500	-	-	-	268,000	44,500	312,500
RR&R DEPARTMENT									
Equipment Starter (16880)	-	10,000	10,000	-	-	-	-	10,000	10,000
Gcrt (26094)	-	22,000	22,000	-	-	-	-	22,000	22,000
Gas Emission Analyzer (26850)	-	25,000	25,000	-	(25,000)	(25,000)	-	-	-
Total Resource Recovery & Reuse	-	57,000	57,000	-	(25,000)	(25,000)	-	32,000	32,000
ENVIRONMENTAL SERVICES DEPARTMENT									
Centrifuge, Floor	-	12,000	12,000	-	-	-	-	12,000	12,000
Ion Chromatograph	-	80,000	80,000	-	-	-	-	80,000	80,000
Incubator, Biomonitoring	-	30,000	30,000	-	-	-	-	30,000	30,000
In-Line Analyzer: TSS (2)	-	40,000	40,000	-	(40,000)	(40,000)	-	-	-
In-Line Analyzer: NH3	-	35,000	35,000	-	(35,000)	(35,000)	-	-	-
In-Line Analyzer: NH3 (2)	90,000	-	90,000	(90,000)	-	(90,000)	-	-	-
BOD Automated Instrument	-	-	-	-	65,000	65,000	-	65,000	65,000
Nutrient Analyzer	-	-	-	55,000	-	55,000	55,000	-	55,000
Ion Chromatograph	-	-	-	-	80,000	80,000	-	80,000	80,000
Total Environmental Services	90,000	197,000	287,000	(35,000)	70,000	35,000	55,000	267,000	322,000
TECHNOLOGY & INNOVATION									
Ultra-Low Temp Freezer	-	-	-	30,000	-	30,000	30,000	-	30,000
Instrumentation-In-situ Analyzer	-	-	-	-	40,000	40,000	-	40,000	40,000
Instrumentation-Extractive Analyzer	-	-	-	90,000	-	90,000	90,000	-	90,000
Instrumentation-Microwave Densit	-	-	-	-	35,000	35,000	-	35,000	35,000
Total Environmental Services	-	-	-	120,000	75,000	195,000	120,000	75,000	195,000
TOTAL SPECIALIZED SUPPORT EQUIPMENT	\$ 358,000	298,500	47 656,500	85,000	120,000	205,000	443,000	418,500	861,500

CAPITAL EQUIPMENT EXPENDITURES
For individual items ≥ \$10,000 & ≤ \$250,000
2022 Revised Budget

	Appropriation			Revised			New Total		
	(O&M)	(FAR)	Total	(O&M)	(FAR)	Revised Total	(O&M)	(FAR)	New Total
	New	Replacement		New	Replacement		New	Replacement	
<u>VEHICLES</u>									
MAINTENANCE DEPARTMENT									
Electric Carts (4) (26095-96, 26244, 26257)	-	74,000	74,000	-	10,000	10,000	-	84,000	84,000
Trailer Mounted Hydraulic Power Unit (16679)	-	-	-	-	52,000	52,000	-	52,000	52,000
Electric Cart (26098-99, 26245, 56, 58)	-	-	-	-	84,000	84,000	-	84,000	84,000
Total Maintenance	-	74,000	74,000	-	146,000	146,000	-	220,000	220,000
OPERATIONS DEPARTMENT									
Full Size SUV (16134)	-	40,000	40,000	-	-	-	-	40,000	40,000
Total Operations	-	40,000	40,000	-	-	-	-	40,000	40,000
RR&R DEPARTMENT									
OPERATIONS DIVISION									
Live Bottom Trailer (26440)	-	135,000	135,000	-	(20,000)	(20,000)	-	115,000	115,000
3/4 Ton 4WD Pickup (36139)	-	45,000	45,000	-	-	-	-	45,000	45,000
TV Van (26346)	-	250,000	250,000	-	(250,000)	(250,000)	-	-	-
Electric Pickup (36137)	-	-	-	-	55,000	55,000	-	55,000	55,000
Service Truck (26193)	-	-	-	-	125,000	125,000	-	125,000	125,000
Live Bottom Trailer (26423)	-	-	-	-	115,000	115,000	-	115,000	115,000
F-150 Pickup (16103)	-	-	-	-	37,000	37,000	-	37,000	37,000
Total Resource Recovery & Reuse	-	430,000	430,000	-	62,000	62,000	-	492,000	492,000
NORTHERN TREATMENT PLANT									
MAINTENANCE DIVISION									
Electric Cart	20,000	-	20,000	-	-	-	20,000	-	20,000
Gator Gas Cart (2)	40,000	-	40,000	-	-	-	40,000	-	40,000
Total Northern Treatment Plant	60,000	-	60,000	-	-	-	60,000	-	60,000
ADMINISTRATIVE SERVICES DEPARTMENT									
INFORMATION TECHNOLOGY									
Full Size SUV (16191)	-	40,000	40,000	-	-	-	-	40,000	40,000
Total Administrative Services	-	40,000	40,000	-	-	-	-	40,000	40,000

CAPITAL EQUIPMENT EXPENDITURES
For individual items ≥ \$10,000 & ≤ \$250,000
2022 Revised Budget

	Appropriation			Revised			New Total		
	(O&M)	(FAR)	Total	(O&M)	(FAR)	Revised Total	(O&M)	(FAR)	New Total
	New	Replacement		New	Replacement		New	Replacement	
ENGINEERING									
SUV (16115)	-	40,000	40,000	-	-	-	-	40,000	40,000
Total Engineering	-	40,000	40,000	-	-	-	-	40,000	40,000
ENVIRONMENTAL SERVICES DEPARTMENT									
Boat	-	30,000	30,000	-	(30,000)	(30,000)	-	-	-
Gas Cart	-	-	-	19,000	-	19,000	19,000	-	19,000
	-	-	-	-	-	-	-	-	-
Total Enviromental Services	-	30,000	30,000	19,000	(30,000)	(11,000)	19,000	-	19,000
TOTAL VEHICLES	60,000	654,000	714,000	19,000	178,000	197,000	79,000	832,000	911,000
TOTAL CAPITAL EQUIPMENT EXPENDITURES	\$ 418,000	952,500	1,370,500	104,000	298,000	402,000	522,000	1,250,500	1,772,500

CAPITAL EQUIPMENT EXPENDITURES
For individual items ≥ \$250,000
2022 Revised Budget

	Appropriation			Revised			New Total		
	(Gen) New	(FAR) Replacement	Total	(Gen) New	(FAR) Replacement	Revised Total	(Gen) New	(FAR) Replacement	New Total
<u>SPECIALIZED SUPPORT EQUIPMENT</u>									
ENVIRONMENTAL SERVICES									
Gas Chromatograph/Mass Spectrometer	\$ -	300,000	300,000	-	-	-	-	300,000	300,000
TOTAL SPECIALIZED SUPPORT EQUIPMENT	-	300,000	300,000	-	-	-	-	300,000	300,000
<u>VEHICLES</u>									
None	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL VEHICLES	-	-	-	-	-	-	-	-	-
TOTAL CAPITAL EQUIPMENT EXPENDITURES	\$ -	300,000	300,000	-	-	-	-	300,000	300,000

PERSONNEL SUMMARY

2021 Through 2023

By Department at Year End

	2021		2022		2023
	Budget	Revised	Budget	Revised	Adopted
Administrative Services	68.00	60.00	61.00	30.00	30.00
Comprehensive Planning	0.00	4.00	5.00	5.00	5.00
Comprehensive Planning & Innovation	13.00	0.00	0.00	0.00	0.00
Engineering	39.75	47.75	48.75	48.75	48.75
Environmental Services	87.00	89.00	90.00	78.00	79.00
Human Resources	12.00	12.00	12.00	13.00	13.00
Information Technology	0.00	0.00	0.00	30.00	32.00
Maintenance	91.00	84.00	86.00	83.00	83.00
Northern Treatment Plant	0.00	23.00	23.00	25.00	28.00
Office of the CEO	11.00	5.00	5.00	7.00	7.00
Office of the General Counsel	2.00	3.00	3.00	3.00	3.00
Operations	55.00	41.00	41.00	41.00	42.00
Resource Recovery and Reuse	67.00	66.00	66.00	66.00	68.00
Strategy and Communication	0.00	8.00	9.00	10.00	11.00
Technology and Innovation	0.00	8.00	8.00	21.00	22.00
Total District Personnel	445.75	450.75	457.75	460.75	471.75

2021 Through 2023

By Department at Year End

	2021		2021	2022		2023
	Budget	Revised	Actual	Budget	Revised	Adopted
ADMINISTRATIVE SERVICES						
Finance						
5100 - Accounting Supervisor	1.00	0.00	0.00	0.00	0.00	0.00
5100 - Accounts Payable Technician	1.00	1.00	1.00	1.00	1.00	1.00
5100 - Administrative Assistant Senior	1.00	1.00	1.00	1.00	1.00	1.00
5100 - Budget Conn Charge Supervisor	1.00	0.00	0.00	0.00	0.00	0.00
5100 - Budget Conn Charge Technician	1.00	0.00	0.00	0.00	0.00	0.00
5100 - Chief Internal Auditor	1.00	0.00	0.00	0.00	0.00	0.00
5100 - Connection Charge Analyst	0.00	1.00	1.00	1.00	1.00	1.00
5100 - Director of Admin Services	1.00	1.00	0.00	1.00	0.00	0.00
5100 - Financial Accountant I	1.00	1.00	1.00	1.00	1.00	1.00
5100 - Financial Accountant II	1.00	1.00	1.00	1.00	1.00	1.00
5100 - Internal Auditor	0.00	1.00	1.00	1.00	1.00	1.00
5100 - Payroll Administrator	1.00	1.00	1.00	1.00	1.00	1.00
5100 - Senior Accounting Manager	0.00	1.00	1.00	1.00	1.00	1.00
5100 - Senior Budget Manager	0.00	0.00	0.00	0.00	0.00	0.00
5100 - Utility Charge Administrator	1.00	0.00	0.00	0.00	0.00	0.00
5100 - Utility Charge Manager	0.00	1.00	1.00	1.00	1.00	1.00
Total Finance	11.00	10.00	9.00	10.00	9.00	9.00
Procurement						
5300 - Administrative Analyst	1.00	1.00	0.00	1.00	0.00	0.00
5300 - Chief Procurement Officer	1.00	1.00	0.00	1.00	0.00	0.00
5300 - Inventory Control Specialist	1.00	1.00	1.00	1.00	1.00	1.00
5300 - Logistics Lead	1.00	0.00	0.00	0.00	0.00	0.00
5300 - Material Handler I	3.00	0.00	0.00	0.00	0.00	0.00
5300 - Material Handler II	3.00	0.00	0.00	0.00	0.00	0.00
5300 - MRO Specialist	1.00	1.00	2.00	1.00	1.00	1.00
5300 - Purchasing Manager	1.00	1.00	1.00	1.00	1.00	1.00
5300 - Senior MRO Specialist	1.00	1.00	1.00	1.00	1.00	1.00
5300 - Senior Strategic Sourcing Specialist	1.00	1.00	1.00	1.00	1.00	1.00
5300 - Sourcing Technician	1.00	1.00	0.00	1.00	1.00	1.00
5300 - Strategic Sourcing Lead	1.00	1.00	0.00	1.00	1.00	1.00
5300 - Strategic Sourcing Specialist	2.00	2.00	3.00	2.00	3.00	3.00
5300 - Warehouse Operation Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
5300 - Warehouse Operations Lead	0.00	1.00	1.00	1.00	1.00	1.00
5300 - Warehouse Operations Technician	0.00	6.00	5.00	6.00	5.00	5.00
Total Procurement	19.00	19.00	16.00	19.00	17.00	17.00
Information Technology						
5500 - Administrative Analyst	0.00	1.00	0.00	1.00	0.00	0.00
5500 - Administrative Assistant Senior	1.00	0.00	0.00	0.00	0.00	0.00
5500 - Database Administrator	1.00	1.00	0.00	1.00	0.00	0.00
5500 - IT Application Specialist Senior	1.00	1.00	0.00	1.00	0.00	0.00
5500 - IT Business Analyst	1.00	1.00	0.00	1.00	0.00	0.00
5500 - IT Infrastructure Architect	1.00	0.00	0.00	0.00	0.00	0.00
5500 - IT Infrastructure Supervisor	1.00	1.00	0.00	1.00	0.00	0.00
5500 - IT Security Analyst	0.00	1.00	0.00	1.00	0.00	0.00
5500 - IT Senior Support Analyst	3.00	3.00	0.00	3.00	0.00	0.00
5500 - IT Service Delivery Analyst Senior	1.00	1.00	0.00	1.00	0.00	0.00
5500 - IT Service Delivery Supervisor	1.00	1.00	0.00	1.00	0.00	0.00
5500 - IT Support Analyst	1.00	1.00	0.00	1.00	0.00	0.00
5500 - IT Systems Architect	1.00	2.00	0.00	2.00	0.00	0.00
5500 - Programming/Application Support Supvr	1.00	1.00	0.00	1.00	0.00	0.00
5500 - Records Mgmt Administrator	1.00	1.00	0.00	1.00	0.00	0.00
5500 - Records Mgmt Specialist I	1.00	1.00	0.00	1.00	0.00	0.00
5500 - Records Mgmt Specialist II	1.00	1.00	0.00	1.00	0.00	0.00
5500 - Senior Business Intell Solution Architect	1.00	1.00	0.00	1.00	0.00	0.00

2021 Through 2023

By Department at Year End

	2021		2021	2022		2023
	Budget	Revised	Actual	Budget	Revised	Adopted
5500 - Senior IT Manager	1.00	1.00	0.00	1.00	0.00	0.00
5500 - Senior IT Systems Architect	1.00	1.00	0.00	1.00	0.00	0.00
5500 - Senior Programmer Analyst	5.00	5.00	0.00	5.00	0.00	0.00
5500 - Systems Administrator	0.00	0.00	0.00	1.00	0.00	0.00
5500 - Systems Administrator Senior	1.00	1.00	0.00	1.00	0.00	0.00
5550 - Control Systems Analyst	6.00	0.00	0.00	0.00	0.00	0.00
5550 - Control Systems Specialist	1.00	0.00	0.00	0.00	0.00	0.00
5550 - Control Systems Supervisor	1.00	0.00	0.00	0.00	0.00	0.00
Total Information Technology	34.00	27.00	0.00	28.00	0.00	0.00
Budget						
5600 - Administrative Assistant	3.00	2.00	2.00	2.00	2.00	2.00
5600 - Administrative Assistant Senior	1.00	1.00	1.00	1.00	1.00	1.00
5600 - Senior Budget Manager	0.00	1.00	1.00	1.00	1.00	1.00
Total Budget	4.00	4.00	4.00	4.00	4.00	4.00
Total Administrative Services Department	68.00	60.00	29.00	61.00	30.00	30.00
COMPREHENSIVE PLANNING						
0090 - Director of Comprehensive Planning	0.00	1.00	1.00	1.00	1.00	1.00
0090 - Senior Engineer	0.00	3.00	0.00	4.00	0.00	0.00
0090 - Senior Wastewater Infrastructure Planner	0.00	0.00	4.00	0.00	4.00	4.00
Total Comprehensive Planning Department	0.00	4.00	5.00	5.00	5.00	5.00
COMPREHENSIVE PLANNING & INNOVATION						
0001 - Business Process Improvement Lead	1.00	0.00	0.00	0.00	0.00	0.00
0001 - Director of Comprehensive Planning & Innovation	1.00	0.00	0.00	0.00	0.00	0.00
0070 - Senior Engineer	5.00	0.00	0.00	0.00	0.00	0.00
0070 - Technology & Innovation Officer	1.00	0.00	0.00	0.00	0.00	0.00
0090 - Capital Planning Officer	1.00	0.00	0.00	0.00	0.00	0.00
0090 - Reliability Engineer	1.00	0.00	0.00	0.00	0.00	0.00
0090 - Senior Engineer	3.00	0.00	0.00	0.00	0.00	0.00
Total Comprehensive Planning & Innovation Department	13.00	0.00	0.00	0.00	0.00	0.00
ENGINEERING						
0001 - Administrative Assistant	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Administrative Assistant Senior	1.00	1.00	1.00	1.00	1.00	1.00
0001 - BIM Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
0001 - BIM/CAD Manager	1.00	1.00	1.00	1.00	1.00	1.00
0001 - CAD Operator II	1.00	1.00	1.00	1.00	1.00	1.00
0001 - CAD Operator III	1.00	1.00	1.00	1.00	1.00	1.00
0001 - CAD Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Deputy CEO/Director of Engineering	1.00	1.00	0.00	1.00	0.00	0.00
0001 - Designer I	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Director of Engineering	0.00	0.00	1.00	0.00	1.00	1.00
0001 - Engineer Associate	1.00	1.00	2.00	1.00	2.00	2.00
0001 - Engineer Electrical I&C Associate	1.00	1.00	0.00	1.00	0.00	0.00
0001 - Engineering Electrical I&C Technician II	0.00	0.00	0.00	1.00	1.00	1.00
0001 - Engineering Technician I	0.00	0.00	0.00	0.00	1.00	1.00
0001 - Engineering Technician II	1.00	1.00	0.00	1.00	0.00	0.00
0001 - GIS Specialist	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Principal Engineer	5.00	5.00	6.00	5.00	6.00	6.00
0001 - Principal Engineer Elec I&C	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Principal Permitting Engineer	0.00	0.00	0.75	0.00	0.75	0.75
0001 - Real Property/QC Manager	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Senior Electrical/I&C Engineering Manager	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Senior Engineer	6.75	6.75	4.00	6.75	5.00	5.00

2021 Through 2023

By Department at Year End

	2021		2021	2022		2023
	Budget	Revised	Actual	Budget	Revised	Adopted
0001 - Senior Engineer Elec I&C	1.00	1.00	0.00	1.00	1.00	1.00
0001 - Senior Quality Control Engineering Manager	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Senior Transmission Systems Engineering Manager	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Senior Treatment Plant Engineering Manager	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Staff Engineer	4.00	4.00	3.00	4.00	3.00	3.00
0001 - Staff Engineer Elect I&C	4.00	4.00	5.00	4.00	5.00	5.00
5550 - Control Systems Engineering Technician	0.00	1.00	1.00	1.00	1.00	1.00
5550 - Principal Control Systems Engineer	0.00	1.00	1.00	1.00	1.00	1.00
5550 - Senior Control Systems Engineer	0.00	4.00	5.00	4.00	5.00	5.00
5550 - Staff Control Systems Engineer	0.00	2.00	1.00	2.00	1.00	1.00
Total Engineering	39.75	47.75	44.75	48.75	48.75	48.75

ENVIRONMENTAL SERVICES

0001 - Administrative Assistant	1.00	1.00	0.00	1.00	0.00	0.00
0001 - Administrative Assistant Senior	1.00	1.00	0.00	1.00	0.00	0.00
0001 - Analytical Chemist I	3.00	2.00	0.00	2.00	0.00	0.00
0001 - Analytical Chemist II	1.00	2.00	0.00	2.00	0.00	0.00
0001 - Analytical Services Administrator	1.00	1.00	0.00	1.00	0.00	0.00
0001 - Chemist Supervisor	1.00	1.00	0.00	1.00	0.00	0.00
0001 - In-Line Instrument Spec I	2.00	2.00	0.00	2.00	0.00	0.00
0001 - In-Line Instrument Spec II	4.00	4.00	0.00	4.00	0.00	0.00
0001 - In-Line Instrument Supervisor	1.00	1.00	0.00	1.00	0.00	0.00
0001 - Laboratory Analyst I	18.00	18.00	0.00	18.00	0.00	0.00
0001 - Laboratory Analyst II	8.00	8.00	0.00	8.00	0.00	0.00
0001 - Laboratory Supervisor	4.00	4.00	0.00	4.00	0.00	0.00
0001 - Laboratory Support Specialist	2.00	2.00	0.00	3.00	0.00	0.00
0001 - Laboratory Support Supervisor	1.00	1.00	0.00	1.00	0.00	0.00
0001 - QAQC Specialist I	1.00	1.00	0.00	1.00	0.00	0.00
0001 - Quality Assurance Manager	1.00	1.00	0.00	1.00	0.00	0.00
0001 - Senior Laboratory Manager	1.00	1.00	0.00	1.00	0.00	0.00
0001 - Director of Environmental Services	1.00	1.00	1.00	1.00	1.00	1.00
0049 - Administrative Analyst	0.00	1.00	0.00	1.00	0.00	0.00
0049 - Biosolids Administrator	0.00	1.00	1.00	1.00	1.00	1.00
0049 - Regulatory Compliance Associate	1.00	1.00	2.00	1.00	2.00	2.00
0049 - Regulatory Compliance Specialist Senior	2.00	2.00	2.00	2.00	2.00	2.00
0049 - Regulatory Compliance Specialist	1.00	1.00	1.00	1.00	1.00	1.00
0049 - Sampling and Data Quality Coordinator	0.00	0.00	0.00	0.00	1.00	1.00
0049 - Senior Regulatory Affairs Manager	1.00	1.00	1.00	1.00	1.00	1.00
0050 - Administrative Assistant Senior	1.00	1.00	1.00	1.00	1.00	1.00
0050 - Engineer Associate	0.00	0.00	1.00	0.00	1.00	1.00
0050 - Environmental Sampling Field Specialist	2.00	2.00	2.00	2.00	2.00	2.00
0050 - Environmental Sampling Field Technician	5.00	5.00	4.00	5.00	4.00	4.00
0050 - Environmental Sampling Lead	1.00	1.00	1.00	1.00	1.00	1.00
0050 - Environmental Sampling Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
0050 - Industrial Pretreatment Manager	2.00	2.00	2.00	2.00	2.00	2.00
0050 - Industrial Pretreatment Program Lead	1.00	0.00	0.00	0.00	0.00	0.00
0050 - Industrial Pretreatment Program Specialist I	3.00	3.00	3.00	3.00	3.00	3.00
0050 - Industrial Pretreatment Program Specialist II	4.00	4.00	4.00	4.00	4.00	4.00
0050 - Industrial Pretreatment Sector Investigator I	1.00	1.00	0.00	1.00	1.00	1.00
0050 - Industrial Pretreatment Sector Investigator II	2.00	3.00	3.00	3.00	3.00	3.00
0050 - Sampling and Data Quality Coordinator	1.00	1.00	0.00	1.00	0.00	0.00
0050 - Senior Pretreatment and Sampling Manager	1.00	1.00	1.00	1.00	1.00	1.00
0051 - Senior Water Quality Manager	1.00	1.00	1.00	1.00	1.00	1.00
0051 - Water Quality Scientist	2.00	2.00	2.00	2.00	2.00	2.00
0051 - Water Quality Scientist Senior	0.00	0.00	2.00	0.00	2.00	2.00
0051 - Water Quality Scientist Associate	0.00	0.00	0.00	0.00	0.00	1.00
0051 - Water Quality Specialist	2.00	2.00	0.00	2.00	0.00	0.00
0060 - Administrative Assistant Senior	0.00	0.00	1.00	0.00	1.00	1.00

2021 Through 2023

By Department at Year End

	2021		2021	2022		2023
	Budget	Revised	Actual	Budget	Revised	Adopted
0060 - Analytical Chemist I	0.00	0.00	3.00	0.00	3.00	3.00
0060 - Analytical Chemist II	0.00	0.00	1.00	0.00	1.00	1.00
0060 - Analytical Services Administrator	0.00	0.00	0.00	0.00	1.00	1.00
0060 - Chemist Supervisor	0.00	0.00	0.00	0.00	1.00	1.00
0060 - Laboratory Analyst I	0.00	0.00	15.00	0.00	18.00	18.00
0060 - Laboratory Analyst II	0.00	0.00	8.00	0.00	8.00	8.00
0060 - Laboratory Supervisor	0.00	0.00	4.00	0.00	4.00	4.00
0060 - QA/QC Specialist I	0.00	0.00	1.00	0.00	1.00	1.00
0060 - Quality Assurance Manager	0.00	0.00	0.00	0.00	1.00	1.00
0060 - Senior Laboratory Manager	0.00	0.00	1.00	0.00	1.00	1.00
Total Environmental Services	87.00	89.00	70.00	90.00	78.00	79.00

HUMAN RESOURCES

5200 - Administrative Assistant Senior	1.00	1.00	0.00	1.00	0.00	0.00
5200 - Director of Human Resources	1.00	1.00	1.00	1.00	1.00	1.00
5200 - Employment Manager	1.00	1.00	1.00	1.00	1.00	1.00
5200 - Human Resources Technician	0.00	0.00	0.00	0.00	1.00	1.00
5200 - Organizational Development Spec	1.00	1.00	1.00	1.00	1.00	1.00
5200 - Organizational Training Specialist	0.00	0.00	1.00	0.00	1.00	1.00
5200 - Senior Human Resources Manager	1.00	1.00	1.00	1.00	1.00	1.00
5200 - Talent Acquisition Specialist	0.00	0.00	1.00	0.00	1.00	1.00
5200 - Technical Training Specialist	1.00	1.00	0.00	1.00	0.00	0.00
5250 - Benefits Administrator	1.00	1.00	1.00	1.00	1.00	1.00
5250 - HRIS and Compensation Analyst	1.00	1.00	1.00	1.00	1.00	1.00
5250 - Senior Compensation & Benefits Manager	1.00	1.00	1.00	1.00	1.00	1.00
5900 - Environmental Health & Safety Specialist Senior	1.00	1.00	1.00	1.00	1.00	1.00
5900 - Environmental Health And Safety Technician	1.00	1.00	1.00	1.00	1.00	1.00
5900 - Senior Environmental Health and Safety Manager	1.00	1.00	1.00	1.00	1.00	1.00
Total Human Resources	12.00	12.00	12.00	12.00	13.00	13.00

INFORMATION TECHNOLOGY

5500 - Administrative Analyst	0.00	0.00	1.00	0.00	1.00	1.00
5500 - Administrative Assistant	0.00	0.00	0.00	0.00	1.00	1.00
5500 - Database Administrator	0.00	0.00	1.00	0.00	1.00	1.00
5500 - Director of IT	0.00	0.00	0.00	0.00	1.00	1.00
5500 - Infrastructure and Cybersecurity Manager	0.00	0.00	1.00	0.00	1.00	1.00
5500 - IT Application Specialist Senior	0.00	0.00	1.00	0.00	1.00	1.00
5500 - IT Applications Manager	0.00	0.00	1.00	0.00	1.00	1.00
5500 - IT Business Analyst	0.00	0.00	1.00	0.00	1.00	1.00
5500 - IT Cybersecurity Analyst	0.00	0.00	1.00	0.00	1.00	2.00
5500 - IT Infrastructure Analyst	0.00	0.00	1.00	0.00	1.00	1.00
5500 - IT Senior Support Analyst	0.00	0.00	2.00	0.00	3.00	3.00
5500 - IT Service Delivery Analyst Senior	0.00	0.00	1.00	0.00	1.00	1.00
5500 - IT Service Delivery Manager	0.00	0.00	1.00	0.00	1.00	1.00
5500 - IT Support Analyst	0.00	0.00	1.00	0.00	1.00	1.00
5500 - IT Systems Architect	0.00	0.00	1.00	0.00	2.00	2.00
5500 - Records Mgmt Administrator	0.00	0.00	1.00	0.00	1.00	1.00
5500 - Records Mgmt Specialist I	0.00	0.00	1.00	0.00	1.00	1.00
5500 - Records Mgmt Specialist II	0.00	0.00	1.00	0.00	1.00	1.00
5500 - Senior Business Intell Solution Architect	0.00	0.00	1.00	0.00	1.00	1.00
5500 - Senior IT Manager	0.00	0.00	0.00	0.00	1.00	1.00
5500 - Senior IT Systems Architect	0.00	0.00	1.00	0.00	1.00	1.00
5500 - Senior Programmer Analyst	0.00	0.00	2.00	0.00	5.00	5.00
5500 - Systems Administrator	0.00	0.00	1.00	0.00	1.00	1.00
5500 - Systems Administrator Senior	0.00	0.00	0.00	0.00	0.00	1.00
Total Information Technology	0.00	0.00	22.00	0.00	30.00	32.00

MAINTENANCE

2021 Through 2023

By Department at Year End

	2021		2021	2022		2023
	Budget	Revised	Actual	Budget	Revised	Adopted
0001 - Administrative Assistant	0.00	0.00	0.00	0.00	1.00	1.00
0001 - Director Of Maintenance	1.00	1.00	1.00	1.00	1.00	1.00
0609 - Equipment Operator	2.50	0.00	0.00	0.00	0.00	0.00
0609 - Facilities Maintenance Lead	3.00	1.00	2.00	1.00	2.00	2.00
0609 - Facilities Maintenance Manager	0.00	1.00	1.00	1.00	1.00	1.00
0609 - Facilities Maintenance Supervisor	4.00	2.00	1.00	2.00	2.00	2.00
0609 - Maintenance Worker FM	14.00	2.00	2.00	3.00	4.00	4.00
0609 - Maintenance Worker II	0.00	3.00	2.00	3.00	3.00	3.00
0609 - Painter	1.00	1.00	0.00	1.00	1.00	1.00
0609 - Painter Trainee	1.00	1.00	0.00	1.00	0.00	0.00
0609 - Senior Maint Worker-Maint	7.00	2.00	5.00	2.00	6.00	6.00
0809 - Capital Project Coordinator	1.00	1.00	0.00	1.00	1.00	1.00
0809 - EAM Administrator	1.00	1.00	1.00	1.00	1.00	1.00
0809 - EIT Journeyman Trainee	1.00	1.00	2.00	1.00	1.00	1.00
0809 - Electrical and Instrumentation Supervisor	2.00	2.00	2.00	2.00	2.00	2.00
0809 - Electrical Maintenance Manager	0.00	0.00	1.00	0.00	1.00	1.00
0809 - Electrician Instrument Tech	8.00	8.00	6.00	8.00	8.00	8.00
0809 - Electrician Instrument Tech Associate	2.00	2.00	0.00	2.00	1.00	1.00
0809 - Electrician Instrument Tech Senior	4.00	5.00	3.00	5.00	5.00	5.00
0809 - Facilities Maintenance Lead	0.00	2.00	1.00	2.00	2.00	2.00
0809 - Facilities Maintenance Supervisor	0.00	2.00	2.00	2.00	2.00	2.00
0809 - FM Equipment Operator Senior	0.00	3.00	3.00	3.00	3.00	3.00
0809 - Maintenance Contract Specialist	1.00	1.00	0.00	1.00	1.00	1.00
0809 - Maintenance Planner	2.00	3.00	3.00	3.00	3.00	3.00
0809 - Maintenance Scheduler	0.00	1.00	1.00	1.00	1.00	1.00
0809 - Maintenance Superintendent	1.00	0.00	0.00	0.00	0.00	0.00
0809 - Maintenance Technician	1.00	0.00	0.00	0.00	0.00	0.00
0809 - Maintenance Worker Fm	0.00	4.00	0.00	4.00	0.00	0.00
0809 - Maintenance Worker II	0.00	4.00	0.00	4.00	0.00	0.00
0809 - Mechanical Industrial Tech Associate	2.00	2.00	0.00	2.00	1.00	1.00
0809 - Mechanical Industrial Tech Senior	3.00	2.00	3.00	2.00	4.00	4.00
0809 - Mechanical Industrial Technician	13.00	13.00	10.00	14.00	11.00	11.00
0809 - Mechanical Maintenance Manager	0.00	0.00	1.00	0.00	1.00	1.00
0809 - Mechanical Maintenance Supv	3.00	2.00	2.00	2.00	2.00	2.00
0809 - MIT Journeyman Trainee	1.00	1.00	5.00	1.00	5.00	5.00
0809 - Process Maintenance Superintendent	0.00	1.00	0.00	1.00	0.00	0.00
0809 - Senior Maint Worker-Maint	0.00	4.00	5.00	4.00	6.00	6.00
0809 - Senior Process Maintenance Manager	1.00	1.00	1.00	1.00	0.00	0.00
0809 - Technical Training Specialist	1.00	1.00	0.00	1.00	0.00	0.00
0809 - Utility Repairman	2.00	2.00	0.00	2.00	0.00	0.00
0809 - Utility Repairman II	1.00	0.00	0.00	0.00	0.00	0.00
0809 - Utility Repairman Senior	0.00	1.00	0.00	1.00	0.00	0.00
1626 - Equipment Operator	0.50	0.00	0.00	0.00	0.00	0.00
1826 - Electrical and Instrumentation Supervisor	1.00	0.00	0.00	0.00	0.00	0.00
1826 - Electrician Instrument Tech	2.00	0.00	0.00	0.00	0.00	0.00
1826 - Electrician Instrument Tech Senior	1.00	0.00	0.00	0.00	0.00	0.00
1826 - Mechanical Industrial Technician	1.00	0.00	0.00	0.00	0.00	0.00
1826 - Utility Repairman	1.00	0.00	0.00	0.00	0.00	0.00
Total Maintenance	91.00	84.00	66.00	86.00	83.00	83.00

NORTHERN TREATMENT PLANT

0200 - NTP Director of Operations and Maintenance	0.00	0.00	1.00	0.00	1.00	1.00
0200 - Senior NTP O&M Manager	0.00	1.00	0.00	1.00	0.00	0.00
0309 - Administrative Analyst	0.00	0.00	1.00	0.00	1.00	1.00
0309 - Administrative Assistant	0.00	1.00	1.00	1.00	1.00	1.00
0309 - Administrative Assistant Senior	0.00	1.00	0.00	1.00	0.00	0.00
0309 - Department Budget Administrator	0.00	1.00	0.00	1.00	0.00	0.00
0309 - NTP Superintendent	0.00	1.00	0.00	1.00	0.00	0.00

2021 Through 2023

By Department at Year End

	2021		2021	2022		2023
	Budget	Revised	Actual	Budget	Revised	Adopted
0309 - Operations Supervisor	0.00	1.00	1.00	1.00	1.00	2.00
0309 - Plant Operator I	0.00	3.00	3.00	3.00	3.00	4.00
0309 - Plant Operator II	0.00	2.00	2.00	2.00	2.00	2.00
0309 - Plant Operator Lead	0.00	2.00	1.00	2.00	2.00	2.00
0309 - Operator Technician	0.00	1.00	2.00	1.00	2.00	2.00
1708 - Electrician Instrument Tech	0.00	2.00	1.00	2.00	2.00	3.00
1708 - Facilities Maintenance Lead	0.00	0.00	0.00	0.00	1.00	1.00
1708 - Maintenance Worker FM	0.00	2.00	1.00	1.00	1.00	1.00
1708 - Mechanical Industrial Tech Senior	0.00	0.00	1.00	0.00	2.00	2.00
1708 - Mechanical Industrial Technician	0.00	1.00	1.00	1.00	1.00	1.00
1708 - NTP Facilities Maintenance Supervisor	0.00	0.00	1.00	0.00	1.00	1.00
1708 - Senior Maint Worker-Maint	0.00	2.00	1.00	2.00	1.00	1.00
1708 - Utility Repairman	0.00	1.00	1.00	1.00	1.00	1.00
1709 - NTP Electrical & Instrumentation Supervisor	0.00	0.00	0.00	0.00	1.00	1.00
1709 - NTP Maintenance Supervisor	0.00	1.00	0.00	2.00	0.00	0.00
1709 - NTP Mechanical Maintenance Supervisor	0.00	0.00	1.00	0.00	1.00	1.00
Total Northern Treatment Plant	0.00	23.00	20.00	23.00	25.00	28.00

OFFICE OF THE CEO

0055 - Administrative Assistant	1.00	1.00	0.00	1.00	0.00	0.00
0055 - Administrative Assistant Senior	0.00	0.00	1.00	0.00	1.00	1.00
0055 - Assistant to the CEO	1.00	1.00	1.00	1.00	1.00	1.00
0055 - Chief Executive Officer	1.00	1.00	1.00	1.00	1.00	1.00
0055 - Chief Technical Officer	0.00	1.00	1.00	1.00	1.00	1.00
0055 - Executive Assistant	1.00	1.00	1.00	1.00	1.00	1.00
0055 - Chief Financial Officer	0.00	0.00	1.00	0.00	1.00	1.00
0055 - Chief Operating Officer	0.00	0.00	1.00	0.00	1.00	1.00
0080 - Communication Specialist-OOM	2.00	0.00	0.00	0.00	0.00	0.00
0080 - Director of Strategy and Communication OOM	1.00	0.00	0.00	0.00	0.00	0.00
0080 - Governmental Affairs Liaison	1.00	0.00	0.00	0.00	0.00	0.00
0080 - Organization Communications Manager OOM	1.00	0.00	0.00	0.00	0.00	0.00
0080 - Public Information Officer	1.00	0.00	0.00	0.00	0.00	0.00
0080 - Public Information Specialist	1.00	0.00	0.00	0.00	0.00	0.00
Total Office of the CEO	11.00	5.00	7.00	5.00	7.00	7.00

OFFICE OF THE GENERAL COUNSEL

0900 - Administrative Analyst	1.00	1.00	1.00	1.00	1.00	1.00
0900 - Associate General Counsel	0.00	1.00	1.00	1.00	1.00	1.00
0900 - General Counsel	1.00	1.00	1.00	1.00	1.00	1.00
Total Office of the General Counsel	2.00	3.00	3.00	3.00	3.00	3.00

OPERATIONS

0001 - Administrative Assistant Senior	0.00	0.00	2.00	0.00	1.00	1.00
0001 - Coordinated Operations Administrative Manager	0.00	1.00	1.00	1.00	1.00	1.00
0001 - Director of Operations	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Chief Operating Officer	1.00	1.00	0.00	1.00	0.00	0.00
1009 - Administrative Analyst	0.00	0.00	1.00	0.00	1.00	1.00
1009 - Administrative Assistant Senior	1.00	1.00	0.00	1.00	0.00	0.00
1009 - Asst Operations Superintendent	1.00	0.00	0.00	0.00	0.00	0.00
1009 - Operations Supervisor	4.00	4.00	3.00	4.00	4.00	5.00
1009 - Operations Work Planner Senior	2.00	2.00	2.00	2.00	2.00	2.00
1009 - Operator Technician	0.00	3.00	2.00	3.00	2.00	2.00
1009 - Plant Operator I	14.00	11.00	12.00	11.00	12.00	12.00
1009 - Plant Operator II	11.00	9.00	5.00	9.00	9.00	9.00
1009 - Plant Operator Lead	5.00	5.00	5.00	5.00	5.00	5.00
1009 - Senior RWHTF Operations Manager	1.00	1.00	1.00	1.00	1.00	1.00
5800 - Security Manager	1.00	1.00	1.00	1.00	1.00	1.00
5800 - Security Specialist	1.00	0.00	0.00	0.00	0.00	0.00

2021 Through 2023

By Department at Year End

	2021		2021	2022		2023
	Budget	Revised	Actual	Budget	Revised	Adopted
5800 - Security Specialist Senior	0.00	1.00	1.00	1.00	1.00	1.00
0001 - NTP Asst Treatm Superintndent	1.00	0.00	0.00	0.00	0.00	0.00
0001 - NTP Plant Manager	1.00	0.00	0.00	0.00	0.00	0.00
0309 - Administrative Assistant Senior	1.00	0.00	0.00	0.00	0.00	0.00
0309 - Department Budget Administrator	1.00	0.00	0.00	0.00	0.00	0.00
0309 - NTP Superintendent	1.00	0.00	0.00	0.00	0.00	0.00
0309 - Operator Technician	5.00	0.00	0.00	0.00	0.00	0.00
0309 - Plant Operator Lead	2.00	0.00	0.00	0.00	0.00	0.00
Total Operations Department	55.00	41.00	37.00	41.00	41.00	42.00

RESOURCE RECOVERY & REUSE

0001 - Department Budget Administrator	1.00	0.00	0.00	0.00	0.00	0.00
0001 - Director of RR&R	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Fleet Maintenance Manager	1.00	1.00	1.00	1.00	1.00	1.00
0001 - Metrogro Farm Administrator	1.00	1.00	1.00	1.00	1.00	1.00
0001 - RR&R Biosolids Specialist	1.00	0.00	0.00	0.00	0.00	0.00
0001 - RR&R Operations Manager	1.00	1.00	1.00	1.00	1.00	1.00
0001 - RR&R Work Planner	1.00	1.00	1.00	1.00	1.00	1.00
0001 - RR&R Work Planner Senior	1.00	1.00	1.00	1.00	1.00	1.00
0401 - Administrative Analyst	1.00	0.00	0.00	0.00	0.00	0.00
0401 - RR&R Work Planner	0.00	1.00	1.00	1.00	1.00	1.00
0407 - Collections System Operator I	4.00	3.00	4.00	3.00	4.00	4.00
0407 - Collections System Operator II	1.00	1.00	1.00	1.00	1.00	1.00
0407 - Collections System Operator Lead	2.00	2.00	1.00	2.00	2.00	2.00
0407 - Collections System Technician	6.00	6.00	2.00	6.00	3.00	4.00
0407 - Maintenance Worker RR&R	0.00	0.00	1.00	0.00	2.00	2.00
0407 - Transmission Operations Manager	1.00	1.00	1.00	1.00	1.00	1.00
0407 - Transmission Operations Supervisor	2.00	2.00	2.00	2.00	2.00	2.00
0412 - Administrative Assistant	0.00	1.00	0.00	1.00	0.00	0.00
0412 - Administrative Assistant Senior	0.00	0.00	1.00	0.00	1.00	1.00
2230 - Administrative Assistant Senior	3.00	2.00	1.00	2.00	1.00	1.00
2230 - RR&R Heavy Equipment/AG Operator	0.00	0.00	1.00	0.00	1.00	1.00
2230 - RR&R Operations Supervisor	2.00	2.00	2.00	2.00	2.00	2.00
2230 - RR&R Operator I	13.00	14.00	13.00	14.00	14.00	15.00
2230 - RR&R Operator II	6.00	6.00	7.00	6.00	6.00	6.00
2230 - RR&R Operator Lead	1.00	2.00	1.00	2.00	1.00	1.00
2230 - RR&R Technical Svcs Officer	1.00	0.00	0.00	0.00	0.00	0.00
2230 - Senior Maint Worker-RR&R	1.00	1.00	1.00	1.00	1.00	1.00
2232 - Land Application Coordinator	1.00	1.00	1.00	1.00	1.00	1.00
2430 - Equipment & Transp Tech I	1.00	3.00	3.00	3.00	3.00	3.00
2430 - Equipment & Transp Tech II	6.00	5.00	5.00	5.00	5.00	5.00
2430 - Equipment & Transportation Tech Associate	0.00	0.00	0.00	0.00	1.00	1.00
2430 - Fleet Maint Supv	2.00	2.00	2.00	2.00	2.00	2.00
2609 - Senior Maint Worker-RR&R	1.00	1.00	1.00	1.00	1.00	1.00
2610 - Administrative Assistant	0.00	0.00	0.00	0.00	1.00	1.00
2610 - Equipment & Transp Tech I	0.00	1.00	1.00	1.00	1.00	1.00
2610 - Fleet Maintenance Technician	2.00	2.00	2.00	2.00	2.00	2.00
2610 - Maintenance Worker RR&R	0.00	1.00	0.00	1.00	0.00	0.00
3231 - RR&R Operator I	1.00	0.00	0.00	0.00	0.00	0.00
3431 - Equipment & Transp Tech I	1.00	0.00	0.00	0.00	0.00	0.00
Total Resource Recovery & Reuse Department	67.00	66.00	61.00	66.00	66.00	68.00

STRATEGY & COMMUNICATION

0080 - Communication Analyst	0.00	0.00	0.00	0.00	0.00	1.00
0080 - Communication Specialist	0.00	2.00	1.00	2.00	1.00	1.00
0080 - Communications Specialist Senior	0.00	0.00	1.00	0.00	1.00	1.00
0080 - Continuous Improvement Specialist	0.00	0.00	0.00	0.00	1.00	1.00
0080 - Senior Communications Manager	0.00	1.00	1.00	1.00	1.00	1.00

2021 Through 2023

By Department at Year End

	2021		2021	2022		2023
	Budget	Revised	Actual	Budget	Revised	Adopted
0081 - Public Information Specialist	0.00	1.00	1.00	2.00	2.00	2.00
0081 - Senior Public Information Manager	0.00	1.00	1.00	1.00	1.00	1.00
0082 - Governmental Affairs Liaison	0.00	1.00	1.00	1.00	1.00	1.00
0200 - Business Process Improvement Lead	0.00	1.00	1.00	1.00	1.00	1.00
0200 - Director of Strategy and Communication	0.00	1.00	1.00	1.00	1.00	1.00
Total Strategy & Communication Department	0.00	8.00	8.00	9.00	10.00	11.00
TECHNOLOGY & INNOVATION						
0070 - In-Line Instrument Supervisor	0.00	0.00	1.00	0.00	1.00	1.00
0070 - Administrative Analyst	0.00	0.00	2.00	0.00	2.00	2.00
0070 - Associate Data Analytics Engineer	0.00	0.00	0.00	0.00	2.00	2.00
0070 - Director of Technology and Innovation	0.00	1.00	1.00	1.00	1.00	1.00
0070 - Engineer Associate	0.00	1.00	1.00	1.00	1.00	1.00
0070 - Laboratory Support Specialist	0.00	0.00	2.00	0.00	3.00	3.00
0070 - Senior Analytical Solutions Manager	0.00	0.00	0.00	0.00	0.00	1.00
0070 - Senior Data Analytics Engineer	0.00	0.00	1.00	0.00	1.00	1.00
0070 - Senior Engineer	0.00	5.00	2.00	5.00	2.00	2.00
0070 - Senior Wastewater Process Engineering Manager	0.00	1.00	1.00	1.00	1.00	1.00
0070 - Staff Engineer	0.00	0.00	1.00	0.00	0.00	0.00
0070 - Wastewater Process Analytical Support Supervisor	0.00	0.00	1.00	0.00	1.00	1.00
0070 In-Line Instrument Spec I	0.00	0.00	2.00	0.00	2.00	2.00
0070 In-Line Instrument Spec II	0.00	0.00	4.00	0.00	4.00	4.00
Total Technology & Innovation Department	0.00	8.00	19.00	8.00	21.00	22.00
TOTAL DISTRICT PERSONNEL	445.75	450.75	403.75	457.75	460.75	471.75

Maintenance Department

Description of Operations

The Maintenance Department is responsible for providing preventive, corrective, and predictive maintenance at the Robert W. Hite Treatment Facility (RWHTF) to meet reliability requirements and operational demands for liquid treatment, solids processing, and energy cogeneration. This includes maintaining Metro offices, support facility buildings and maintaining facility support utilities such as water, electrical, and natural gas systems. The Maintenance Department coordinates capital and operational project activities at facilities in collaboration with other departments.

The Maintenance Department 2022 Revised Budget decreased by 1.5% compared to the 2022 Budget. The 2023 Budget is increasing by 4.8% compared to the 2022 Budget. This is due to an increase in personnel costs, materials and supplies, and outside services.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 9,630,635	\$ 9,447,695	\$ (182,940)	\$ 9,946,200	\$ 315,565
Materials & Fuels	2,792,700	2,792,700	-	2,900,500	107,800
Chemicals	25,000	25,000	-	25,000	-
Outside Services	1,575,500	1,550,500	(25,000)	1,825,000	249,500
Support Expenses	121,400	121,400	-	131,200	9,800
Total Maintenance	\$ 14,145,235	\$ 13,937,295	\$ (207,940)	\$ 14,827,900	\$ 682,665

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total Maintenance Staff	86	82	(4)	82	(4)

2021 Highlights

- ~6,000 major pieces of processing equipment
- ~10,000 pieces of active equipment at RWHTF
- 41 call-in events
- 15,542 work orders completed
- 70 buildings on 160 acres
- 800,000 square feet of parking lots
- 8 miles of facility streets

METRO WATER RECOVERY

DEPARTMENT SUMMARY

MAINTENANCE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
MANAGEMENT	271,595	320,088	386,700	403,550
HITE FACILITY MAINTENANCE	3,718,385	4,758,721	4,791,610	5,273,288
HITE PROCESS MAINTENANCE	8,821,825	9,066,426	8,758,985	9,151,062
Total MAINTENANCE	12,811,805	14,145,235	13,937,295	14,827,900

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY OBJECT

MAINTENANCE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
PERSONNEL				
5101 REGULAR WAGES	5,367,805	6,284,093	6,091,300	6,402,600
5105 OVERTIME WAGES	131,197	165,395	165,395	170,000
5104 ON-CALL WAGES	127,371	120,000	120,000	125,000
5103 TEMPORARY WAGES	26,348	40,000	40,000	45,000
5109 BENEFITS	2,842,781	3,016,347	2,966,200	3,136,800
5108 EMPLOYEE INCENTIVE PAY	25,000	-	60,000	62,000
5110 CAR ALLOWANCE	4,800	4,800	4,800	4,800
Total PERSONNEL	8,525,302	9,630,635	9,447,695	9,946,200
MATERIALS & FUELS				
5213 MATERIALS & SUPPLIES	2,605,942	2,792,700	2,792,700	2,900,500
Total MATERIALS & FUELS	2,605,942	2,792,700	2,792,700	2,900,500
CHEMICALS				
5365 SCALING INHIBITOR	8,887	25,000	25,000	25,000
Total CHEMICALS	8,887	25,000	25,000	25,000
OUTSIDE SERVICES				
5540 OS - RENTAL	-	10,000	10,000	10,000
5549 OS - OTHER	2,500	40,000	40,000	40,000
5556 OS - MAINTENANCE	1,577,331	1,525,500	1,500,500	1,775,000
Total OUTSIDE SERVICES	1,579,831	1,575,500	1,550,500	1,825,000
SUPPORT SERVICES				
5610 MEMBERSHIPS	3,130	7,250	7,250	7,500
5685 MEETINGS & CONFERENCES	12,701	24,000	24,000	26,000
5686 TRAINING & DEVELOPMENT	75,662	89,500	89,500	97,000
5687 SUBSCRIPTIONS/PUBLICATIONS	350	650	650	700
Total SUPPORT EXPENSES	91,843	121,400	121,400	131,200
TOTAL MAINTENANCE	12,811,805	14,145,235	13,937,295	14,827,900

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY ACTIVITY

MAINTENANCE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>MANAGEMENT</i>				
5101 Regular Wages	179,006	180,263	183,900	192,900
5108 Temporary Wages	-	-	60,000	62,000
5109 Benefits	83,092	86,525	89,500	94,600
5110 Car Allowance	4,800	4,800	4,800	4,800
Total PERSONNEL	266,898	271,588	338,200	354,300
5213 Materials & Supplies	602	500	500	500
Total MATERIALS & FUELS	602	500	500	500
5549 Os - Other	-	40,000	40,000	40,000
Total OUTSIDE SERVICES	-	40,000	40,000	40,000
5610 Memberships	175	250	250	500
5685 Meetings & Conferences	3,800	6,000	6,000	6,000
5686 Training & Development	119	1,500	1,500	2,000
5687 Subscriptions/Publications	-	250	250	250
Total SUPPORT EXPENSES	4,094	8,000	8,000	8,750
Total MANAGEMENT	271,594	320,088	386,700	403,550
<i>HITE GROUNDS</i>				
5101 Regular Wages	144,034	219,048	165,500	185,200
5103 Temporary Wages	-	20,000	20,000	22,500
5105 Overtime Wages	-	11,961	11,961	11,961
5109 Benefits	97,981	105,134	80,100	91,500
Total PERSONNEL	242,015	356,143	277,561	311,161
5213 Materials & Supplies	49,850	77,000	77,000	77,000
Total MATERIALS & FUELS	49,850	77,000	77,000	77,000
5556 Os - Maintenance	96,216	95,000	95,000	100,000
Total OUTSIDE SERVICES	96,216	95,000	95,000	100,000
5685 Meetings & Conferences	1,559	-	-	-
Total SUPPORT EXPENSES	1,559	-	-	-
Total HITE GROUNDS	389,640	528,143	449,561	488,161

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY ACTIVITY

MAINTENANCE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>HITE EQUIPMENT</i>				
5101 Regular Wages	22,017	68,432	69,400	73,200
5105 Overtime Wages	-	4,448	4,448	4,448
5109 Benefits	29,281	32,846	33,100	35,700
Total PERSONNEL	51,298	105,726	106,948	113,348
5213 Materials & Supplies	200,833	170,000	170,000	170,000
Total MATERIALS & FUELS	200,833	170,000	170,000	170,000
5556 Os - Maintenance	18,988	32,500	32,500	35,000
Total OUTSIDE SERVICES	18,988	32,500	32,500	35,000
Total HITE EQUIPMENT	271,119	308,226	309,448	318,348

HITE SUPPORT TO FACILITIES

5101 Regular Wages	229,093	444,917	543,700	572,000
5105 Overtime Wages	12,429	3,908	3,908	3,908
5109 Benefits	202,481	213,559	264,300	279,200
Total PERSONNEL	444,003	662,384	811,908	855,108
5213 Materials & Supplies	327,636	490,000	490,000	490,000
Total MATERIALS & FUELS	327,636	490,000	490,000	490,000
5540 Os - Rental	-	10,000	10,000	10,000
5556 Os - Maintenance	1,270,725	1,170,000	910,000	925,000
Total OUTSIDE SERVICES	1,270,725	1,180,000	920,000	935,000
Total HITE SUPPORT TO FACILITIES	2,042,364	2,332,384	2,221,908	2,280,108

HITE SUPPORT TO TRANSMISSIONS

5101 Regular Wages	150,528	279,961	288,500	302,600
5105 Overtime Wages	1,126	3,985	3,985	3,985
5109 Benefits	127,661	134,386	141,200	148,700
Total PERSONNEL	279,315	418,332	433,685	455,285
5213 Materials & Supplies	178,271	150,000	150,000	150,000
Total MATERIALS & FUELS	178,271	150,000	150,000	150,000

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY ACTIVITY

MAINTENANCE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5556 Os - Maintenance	3,646	6,000	6,000	6,000
Total OUTSIDE SERVICES	3,646	6,000	6,000	6,000
Total HITE SUPPORT TO TRANSMISSIONS	461,232	574,332	589,685	611,285
<i>HITE NORTH PRIMARY</i>				
5101 Regular Wages	277,108	314,517	321,600	338,200
5105 Overtime Wages	2,358	20,046	20,046	20,046
5109 Benefits	142,541	150,959	155,800	165,200
Total PERSONNEL	422,007	485,522	497,446	523,446
5213 Materials & Supplies	139,894	205,000	205,000	205,000
Total MATERIALS & FUELS	139,894	205,000	205,000	205,000
5556 Os - Maintenance	40,997	50,000	50,000	50,000
Total OUTSIDE SERVICES	40,997	50,000	50,000	50,000
Total HITE NORTH PRIMARY	602,898	740,522	752,446	778,446
<i>HITE SOUTH PRIMARY</i>				
5101 Regular Wages	162,733	254,961	265,900	279,200
5105 Overtime Wages	1,031	21,246	21,246	21,246
5109 Benefits	114,229	122,392	129,500	137,000
Total PERSONNEL	277,993	398,599	416,646	437,446
5213 Materials & Supplies	128,787	46,000	46,000	46,000
Total MATERIALS & FUELS	128,787	46,000	46,000	46,000
5556 Os - Maintenance	22,418	23,000	23,000	25,000
Total OUTSIDE SERVICES	22,418	23,000	23,000	25,000
Total HITE SOUTH PRIMARY	429,198	467,599	485,646	508,446
<i>HITE NORTH SECONDARY</i>				
5101 Regular Wages	265,291	430,707	419,100	440,000
5105 Overtime Wages	716	12,776	12,776	12,776
5109 Benefits	193,543	206,755	205,500	216,700
Total PERSONNEL	459,550	650,238	637,376	669,476
5213 Materials & Supplies	245,593	315,000	315,000	315,000
Total MATERIALS & FUELS	245,593	315,000	315,000	315,000

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY ACTIVITY

MAINTENANCE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5556 Os - Maintenance	30,914	12,000	12,000	12,000
Total OUTSIDE SERVICES	30,914	12,000	12,000	12,000
Total HITE NORTH SECONDARY	736,057	977,238	964,376	996,476
<i>HITE SOUTH SECONDARY</i>				
5101 Regular Wages	330,907	383,876	352,700	370,400
5105 Overtime Wages	464	9,713	9,713	9,713
5109 Benefits	174,109	184,262	172,000	180,900
Total PERSONNEL	505,480	577,851	534,413	561,013
5213 Materials & Supplies	341,041	192,000	192,000	192,000
Total MATERIALS & FUELS	341,041	192,000	192,000	192,000
5556 Os - Maintenance	19,219	7,000	7,000	7,000
Total OUTSIDE SERVICES	19,219	7,000	7,000	7,000
Total HITE SOUTH SECONDARY	865,740	776,851	733,413	760,013
<i>HITE DISINFECTION</i>				
5101 Regular Wages	123,265	173,894	160,600	168,700
5105 Overtime Wages	179	6,249	6,249	6,249
5109 Benefits	76,213	83,459	79,300	82,500
Total PERSONNEL	199,657	263,602	246,149	257,449
5213 Materials & Supplies	71,092	65,000	65,000	65,000
Total MATERIALS & FUELS	71,092	65,000	65,000	65,000
5556 Os - Maintenance	3,758	11,000	11,000	15,000
Total OUTSIDE SERVICES	3,758	11,000	11,000	15,000
Total HITE DISINFECTION	274,507	339,602	322,149	337,449

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY ACTIVITY

MAINTENANCE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>HITE GREASE PROCESSING</i>				
5101 Regular Wages	20,074	120,988	109,900	115,600
5105 Overtime Wages	130	2,998	2,998	2,998
5109 Benefits	54,911	58,051	52,800	56,400
Total PERSONNEL	75,115	182,037	165,698	174,998
5213 Materials & Supplies	35,765	45,000	45,000	45,000
Total MATERIALS & FUELS	35,765	45,000	45,000	45,000
5556 Os - Maintenance	-	8,000	8,000	10,000
Total OUTSIDE SERVICES	-	8,000	8,000	10,000
Total HITE GREASE PROCESSING	110,880	235,037	218,698	229,998

HITE SUPPORT

5101 Regular Wages	2,825,141	2,263,715	2,165,900	2,266,000
5103 Temporary Wages	26,348	20,000	20,000	22,500
5105 Overtime Wages	108,878	15,542	15,542	20,147
5104 On-Call Wages	127,371	120,000	120,000	125,000
5108 On-Call Wages	25,000	-	-	-
5109 Benefits	1,033,478	1,086,584	1,058,200	1,110,500
Total PERSONNEL	4,146,216	3,505,841	3,379,642	3,544,147
5213 Materials & Supplies	223,809	160,000	160,000	267,800
Total MATERIALS & FUELS	223,809	160,000	160,000	267,800
5549 Os - Other	2,500	-	-	-
5556 Os - Maintenance	44,641	12,000	12,000	15,000
Total OUTSIDE SERVICES	47,141	12,000	12,000	15,000
5610 Memberships	2,956	7,000	7,000	7,000
5685 Meetings & Conferences	7,342	18,000	18,000	20,000
5686 Training & Development	75,543	88,000	88,000	95,000
5687 Subscriptions/Publications	350	400	400	450
Total SUPPORT EXPENSES	86,191	113,400	113,400	122,450
Total HITE SUPPORT	4,503,357	3,791,241	3,665,042	3,949,397

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY ACTIVITY

MAINTENANCE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>HITE DISSOLVED AIR FLOTATION</i>				
5101 Regular Wages	104,387	127,303	110,200	115,500
5105 Overtime Wages	461	1,132	1,132	1,132
5109 Benefits	57,462	61,105	52,800	56,400
Total PERSONNEL	162,310	189,540	164,132	173,032
5213 Materials & Supplies	129,133	53,000	53,000	53,000
Total MATERIALS & FUELS	129,133	53,000	53,000	53,000
5556 Os - Maintenance	-	5,000	5,000	5,000
Total OUTSIDE SERVICES	-	5,000	5,000	5,000
Total HITE DISSOLVED AIR FLOTATION	291,443	247,540	222,132	231,032
<i>HITE ANAEROBIC DIGESTION</i>				
5101 Regular Wages	276,660	463,182	437,900	461,400
5105 Overtime Wages	913	28,479	28,479	28,479
5109 Benefits	206,358	222,333	213,900	226,500
Total PERSONNEL	483,931	713,994	680,279	716,379
5213 Materials & Supplies	307,292	415,000	415,000	415,000
Total MATERIALS & FUELS	307,292	415,000	415,000	415,000
5365 Scaling Inhibitor	8,887	25,000	25,000	25,000
Total SCALING INHIBITOR	8,887	25,000	25,000	25,000
5556 Os - Maintenance	5,814	30,000	265,000	500,000
Total OUTSIDE SERVICES	5,814	30,000	265,000	500,000
Total HITE ANAEROBIC DIGESTION	805,924	1,183,994	1,385,279	1,656,379
<i>HITE COGENERATION</i>				
5101 Regular Wages	12,666	63,854	51,700	54,000
5105 Overtime Wages	636	2,354	2,354	2,354
5109 Benefits	28,972	30,648	23,100	26,600
Total PERSONNEL	42,274	96,856	77,154	82,954

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY ACTIVITY

MAINTENANCE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5213 Materials & Supplies	15,088	37,000	37,000	37,000
Total MATERIALS & FUELS	15,088	37,000	37,000	37,000
5556 Os - Maintenance	18,395	9,000	9,000	10,000
Total OUTSIDE SERVICES	18,395	9,000	9,000	10,000
Total HITE COGENERATION	75,757	142,856	123,154	129,954
<i>HITE CENTRIFUGATION</i>				
5101 Regular Wages	240,859	478,264	429,500	451,600
5105 Overtime Wages	1,875	20,093	20,093	20,093
5109 Benefits	212,998	229,570	207,900	220,900
Total PERSONNEL	455,732	727,927	657,493	692,593
5213 Materials & Supplies	208,411	362,000	362,000	362,000
Total MATERIALS & FUELS	208,411	362,000	362,000	362,000
5556 Os - Maintenance	673	52,000	52,000	55,000
Total OUTSIDE SERVICES	673	52,000	52,000	55,000
Total HITE CENTRIFUGATION	664,816	1,141,927	1,071,493	1,109,593
<i>HITE COMPOSTING</i>				
5101 Regular Wages	4,037	16,211	15,300	16,100
5105 Overtime Wages	-	465	465	465
5109 Benefits	7,471	7,779	7,200	7,500
Total PERSONNEL	11,508	24,455	22,965	24,065
5213 Materials & Supplies	2,844	10,200	10,200	10,200
Total MATERIALS & FUELS	2,844	10,200	10,200	10,200
5556 Os - Maintenance	927	3,000	3,000	5,000
Total OUTSIDE SERVICES	927	3,000	3,000	5,000
Total HITE COMPOSTING	15,279	37,655	36,165	39,265
Total MAINTENANCE	12,811,805	14,145,235	13,937,295	14,827,900

RWHTF Operations Department

Description of RWHTF Operations

The RWHTF Operations Department is responsible for operating the liquid treatment, solids processing, and cogeneration facilities at the plant while maintaining compliance with all federal and state regulations. The RWHTF Operations Department strives to operate the facility in a cost-effective and efficient manner.

The RWHTF Operations Department 2022 Revised Budget decreased by .6% compared to the 2022 Budget. The 2023 Budget is increasing by 6.2% compared to the 2022 Budget. These changes are due to an increase in personnel, chemical, utilities, and outside services.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 4,941,518	\$ 5,112,600	\$ 171,082	\$ 5,517,600	\$ 576,082
Materials & Fuels	150,000	150,000	-	156,000	6,000
Chemicals	7,328,500	7,078,500	(250,000)	7,670,000	341,500
Utilities	6,035,000	6,035,000	-	6,290,000	255,000
Outside Services	2,860,000	2,810,000	(50,000)	3,015,000	155,000
Support Expenses	106,750	106,750	-	111,500	4,750
Total RWHTF Operations	\$ 21,421,768	\$ 21,292,850	\$ (128,918)	\$ 22,760,100	\$ 1,338,332

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total RWHTF Operations Staff	41.00	42.00	1.00	43.00	2.00

2021 Highlights

- 130 million gallons/day reclaimed water
- 95 tons per day dewatered biosolids
- 12.86 million BTU*/hour heat recovered
- 4.5 megawatts/hour energy recovered
- 24/7/365 staffed operations

*British thermal units

DEPARTMENT SUMMARY

OPERATIONS DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
MANAGEMENT	824,657	768,039	505,950	536,000
HITE OPERATIONS	18,482,035	19,249,270	19,381,200	20,664,000
SECURITY	1,025,428	1,404,459	1,405,700	1,560,100
Total OPERATIONS	<u>20,332,120</u>	<u>21,421,768</u>	<u>21,292,850</u>	<u>22,760,100</u>

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY OBJECT

OPERATIONS DEPARTMENT

		2021 Actual	2022 Budget	2022 Revised	2023 Adopted
PERSONNEL					
5101	REGULAR WAGES	2,733,218	3,060,429	3,123,200	3,371,600
5105	OVERTIME WAGES	483,548	400,000	400,000	421,000
5104	ON-CALL WAGES	-	2,500	2,500	3,000
5108	EMPLOYEE INCENTIVE PAY	62,000	-	60,000	65,000
5109	BENEFITS	1,410,710	1,468,989	1,522,100	1,652,200
5110	CAR ALLOWANCE	9,600	9,600	4,800	4,800
Total PERSONNEL		4,699,076	4,941,518	5,112,600	5,517,600
MATERIALS & FUELS					
5213	MATERIALS & SUPPLIES	98,906	150,000	150,000	156,000
Total MATERIALS & FUELS		98,906	150,000	150,000	156,000
CHEMICALS					
5320	FERRIC CHLORIDE	278,470	390,000	290,000	300,000
5330	POLYMER - DAF	513,795	520,000	520,000	530,000
5335	POLYMER - CENTRIFUGE	2,395,125	3,065,000	2,965,000	3,000,000
5339	PERACETIC ACID	3,043,951	2,400,000	2,400,000	2,900,000
5341	SODIUM BISULFITE	148,658	150,000	150,000	150,000
5342	SODIUM HYPOCHLORITE	62,927	100,000	50,000	50,000
5347	MAGNESIUM CHLORIDE	597,855	645,000	645,000	700,000
5355	MINERAL OIL	-	8,500	8,500	10,000
5361	DEFOAMENT	27,456	50,000	50,000	30,000
Total CHEMICALS		7,068,237	7,328,500	7,078,500	7,670,000
UTILITIES					
5410	NATURAL GAS/PROPANE	741,405	385,000	385,000	450,000
5411	NATURAL GAS - COGEN	109,186	130,000	130,000	140,000
5415	POTABLE WATER	418,699	490,000	490,000	500,000
5420	ELECTRICAL POWER	4,937,392	5,030,000	5,030,000	5,200,000
Total UTILITIES		6,206,681	6,035,000	6,035,000	6,290,000
OUTSIDE SERVICES					
5549	OS - OTHER	790,075	1,125,000	1,075,000	1,205,000
5550	OS - ENGIE	1,364,408	1,680,000	1,680,000	1,750,000
5556	OS - MAINTENANCE	35,543	55,000	55,000	60,000
Total OUTSIDE SERVICES		2,190,026	2,860,000	2,810,000	3,015,000

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY OBJECT

OPERATIONS DEPARTMENT

		2021 Actual	2022 Budget	2022 Revised	2023 Adopted
SUPPORT SERVICES					
5610	MEMBERSHIPS	1,284	3,000	3,000	3,500
5685	MEETINGS & CONFERENCES	48,952	35,000	35,000	38,000
5686	TRAINING & DEVELOPMENT	18,327	68,000	68,000	69,000
5687	SUBSCRIPTIONS/PUBLICATIONS	631	750	750	1,000
	Total SUPPORT EXPENSES	69,194	106,750	106,750	111,500
	Total OPERATIONS	20,332,120	21,421,768	21,292,850	22,760,100

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

OPERATIONS DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>MANAGEMENT</i>				
5101 Regular Wages	496,205	439,317	257,600	270,600
5105 Overtime Wages	181	-	-	-
5108 Employee Incentive Pay	-	-	60,000	65,000
5109 Benefits	202,508	210,872	125,300	133,100
5110 Car Allowance	9,600	9,600	4,800	4,800
Total PERSONNEL	708,494	659,789	447,700	473,500
5213 Materials & Supplies	9,444	16,000	16,000	16,000
Total MATERIALS & FUELS	9,444	16,000	16,000	16,000
5549 Os - Other	74,143	75,000	25,000	25,000
Total OUTSIDE SERVICES	74,143	75,000	25,000	25,000
5610 Memberships	345	-	-	500
5685 Meetings & Conferences	32,078	12,000	12,000	15,000
5686 Training & Development	-	5,000	5,000	5,500
5687 Subscriptions/Publications	153	250	250	500
Total SUPPORT EXPENSES	32,576	17,250	17,250	21,500
Total MANAGEMENT	824,657	768,039	505,950	536,000

HITE TREATMENT - SUPPORT

5101 Regular Wages	1,081,550	840,836	917,400	1,055,200
5105 Overtime Wages	193,590	395,000	395,000	415,000
5108 Employee Incentive Pay	62,000	-	-	-
5109 Benefits	455,238	403,596	446,500	516,500
Total PERSONNEL	1,792,378	1,639,432	1,758,900	1,986,700
5213 Materials & Supplies	75,737	76,000	76,000	80,000
Total MATERIALS & FUELS	75,737	76,000	76,000	80,000
5410 Natural Gas/Propane	741,405	195,000	195,000	250,000
5411 Natural Gas - Cogen	109,186	-	-	-
5415 Potable Water	418,699	490,000	490,000	500,000
5420 Electrical Power	300,164	1,200,000	1,200,000	1,270,000
Total UTILITIES	1,569,454	1,885,000	1,885,000	2,020,000
5549 Os - Other	3,289	-	-	-
5556 Os - Maintenance	2,327	-	-	-
Total OUTSIDE SERVICES	5,616	-	-	-

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

OPERATIONS DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5610 Memberships	285	3,000	3,000	2,500
5685 Meetings & Conferences	16,018	20,000	20,000	20,000
5686 Training & Development	18,326	60,000	60,000	60,000
5687 Subscriptions/Publications	329	500	500	500
Total SUPPORT EXPENSES	34,958	83,500	83,500	83,000
Total HITE TREATMENT SUPPORT	3,478,143	3,683,932	3,803,400	4,169,700

HITE TREATMENT - PRIMARY NORTH

5101 Regular Wages	81,507	114,293	129,300	135,700
5105 Overtime Wages	24,381	-	-	-
5109 Benefits	52,682	54,857	63,500	66,200
Total PERSONNEL	158,570	169,150	192,800	201,900
5213 Materials & Supplies	-	2,000	2,000	2,000
Total MATERIALS & FUELS	-	2,000	2,000	2,000
5420 Electrical Power	57,605	250,000	250,000	250,000
Total UTILITIES	57,605	250,000	250,000	250,000
Total HITE TREATMENT - PRIMARY NORTH	216,175	421,150	444,800	453,900

HITE TREATMENT - PRIMARY SOUTH

5101 Regular Wages	81,463	114,293	129,300	135,700
5105 Overtime Wages	24,381	-	-	-
5109 Benefits	52,682	54,857	63,500	66,200
Total PERSONNEL	158,526	169,150	192,800	201,900
5213 Materials & Supplies	1,627	2,000	2,000	2,000
Total MATERIALS & FUELS	1,627	2,000	2,000	2,000
5420 Electrical Power	57,605	70,000	70,000	70,000
Total UTILITIES	57,605	70,000	70,000	70,000
Total HITE TREATMENT - PRIMARY SOUTH	217,758	241,150	264,800	273,900

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY ACTIVITY

OPERATIONS DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>HITE TREATMENT - SECONDARY NORTH</i>				
5101 Regular Wages	81,463	153,897	170,600	179,000
5105 Overtime Wages	24,381	-	-	-
5109 Benefits	70,942	73,861	83,500	87,600
Total PERSONNEL	176,786	227,758	254,100	266,600
5213 Materials & Supplies	-	8,000	8,000	8,000
Total MATERIALS & FUELS	-	8,000	8,000	8,000
5420 Electrical Power	1,872,173	1,300,000	1,300,000	1,400,000
Total UTILITIES	1,872,173	1,300,000	1,300,000	1,400,000
Total HITE TREATMENT - SECONDARY NORTH	2,048,959	1,535,758	1,562,100	1,674,600

HITE TREATMENT - SECONDARY SOUTH

5101 Regular Wages	81,463	153,897	170,600	179,000
5105 Overtime Wages	24,381	-	-	-
5109 Benefits	70,942	73,859	83,500	87,600
Total PERSONNEL	176,786	227,756	254,100	266,600
5213 Materials & Supplies	-	10,000	10,000	10,000
Total MATERIALS & FUELS	-	10,000	10,000	10,000
5420 Electrical Power	1,516,940	1,100,000	1,100,000	1,100,000
Total UTILITIES	1,516,940	1,100,000	1,100,000	1,100,000
Total HITE TREATMENT - SECONDARY SOUTH	1,693,726	1,337,756	1,364,100	1,376,600

HITE TREATMENT - CHLORINATION/DECHLORINATION

5101 Regular Wages	81,463	51,947	59,100	61,900
5105 Overtime Wages	24,381	-	-	-
5109 Benefits	23,948	24,939	28,600	30,500
Total PERSONNEL	129,792	76,886	87,700	92,400
5213 Materials & Supplies	182	4,000	4,000	4,000
Total MATERIALS & FUELS	182	4,000	4,000	4,000

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

OPERATIONS DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5339 Peracetic Acid	3,043,951	2,400,000	2,400,000	2,900,000
5341 Sodium Bisulfite	148,658	150,000	150,000	150,000
5342 Sodium Hypochlorite	62,927	100,000	50,000	50,000
Total CHEMICALS	3,255,536	2,650,000	2,600,000	3,100,000
5420 Electrical Power	211,219	70,000	70,000	70,000
Total UTILITIES	211,219	70,000	70,000	70,000
Total HITE TREATMENT - CHLORINATION/DECHLORINATION	3,596,729	2,800,886	2,761,700	3,266,400
<i>HITE TREATMENT - GREASE PROCESSING</i>				
5101 Regular Wages	81,463	51,947	59,100	61,900
5105 Overtime Wages	24,381	-	-	-
5109 Benefits	23,948	24,939	28,600	30,500
Total PERSONNEL	129,792	76,886	87,700	92,400
5213 Materials & Supplies	-	500	500	500
Total MATERIALS & FUELS	-	500	500	500
5410 Natural Gas/Propane	-	100,000	100,000	100,000
Total UTILITIES	-	100,000	100,000	100,000
Total HITE TREATMENT - GREASE PROCESSING	129,792	177,386	188,200	192,900
<i>HITE TREATMENT - DISSOLVED AIR FLOTATION</i>				
5101 Regular Wages	81,464	159,836	178,300	187,900
5105 Overtime Wages	24,381	-	-	-
5109 Benefits	73,673	76,725	87,100	91,700
Total PERSONNEL	179,518	236,561	265,400	279,600
5213 Materials & Supplies	-	500	500	500
Total MATERIALS & FUELS	-	500	500	500
5330 Polymer - Daf	513,795	520,000	520,000	530,000
Total CHEMICALS	513,795	520,000	520,000	530,000

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

OPERATIONS DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5420 Electrical Power	326,430	140,000	140,000	140,000
Total UTILITIES	326,430	140,000	140,000	140,000
5549 Os - Other	783	-	-	-
Total OUTSIDE SERVICES	783	-	-	-
Total HITE TREATMENT - DISSOLVED AIR FLOTATION	1,020,526	897,061	925,900	950,100

HITE TREATMENT - ANAEROBIC DIGESTION

5101 Regular Wages	81,463	102,937	114,000	119,400
5105 Overtime Wages	24,381	-	-	-
5109 Benefits	47,445	49,411	55,300	58,700
Total PERSONNEL	153,289	152,348	169,300	178,100
5213 Materials & Supplies	-	1,000	1,000	1,000
Total MATERIALS & FUELS	-	1,000	1,000	1,000
5320 Ferric Chloride	-	195,000	145,000	150,000
5347 Magnesium Chloride	597,856	645,000	645,000	700,000
Total CHEMICALS	597,856	840,000	790,000	850,000
5410 Natural Gas/Propane	-	90,000	90,000	100,000
5420 Electrical Power	144,013	100,000	100,000	100,000
Total UTILITIES	144,013	190,000	190,000	200,000
Total HITE TREATMENT - ANAEROBIC DIGESTION	895,158	1,183,348	1,150,300	1,229,100

HITE TREATMENT - COGENERATION

5101 Regular Wages	81,463	7,921	8,300	8,700
5105 Overtime Wages	24,381	-	-	-
5109 Benefits	3,654	3,807	3,800	4,300
Total PERSONNEL	109,498	11,728	12,100	13,000
5411 Natural Gas - Cogen	-	130,000	130,000	140,000
5420 Electrical Power	-	500,000	500,000	500,000
Total UTILITIES	-	630,000	630,000	640,000
5550 Os - Engie	1,364,408	1,680,000	1,680,000	1,750,000
Total OUTSIDE SERVICES	1,364,408	1,680,000	1,680,000	1,750,000
Total HITE TREATMENT - COGENERATION	1,473,906	2,321,728	2,322,100	2,403,000

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

OPERATIONS DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>TREATMENT - CENTRIFUGATION</i>				
5101 Regular Wages	81,464	216,737	244,100	256,500
5105 Overtime Wages	24,381	-	-	-
5109 Benefits	99,899	104,034	118,800	125,700
Total PERSONNEL	205,744	320,771	362,900	382,200
5213 Materials & Supplies	4,067	5,000	5,000	5,000
Total MATERIALS & FUELS	4,067	5,000	5,000	5,000
5320 Ferric Chloride	278,470	195,000	145,000	150,000
5335 Polymer - Centrifuge	2,395,124	3,065,000	2,965,000	3,000,000
5355 Mineral Oil	-	8,500	8,500	10,000
5361 Defoamant	27,456	50,000	50,000	30,000
Total CHEMICALS	2,701,050	3,318,500	3,168,500	3,190,000
5420 Electrical Power	451,242	300,000	300,000	300,000
Total UTILITIES	451,242	300,000	300,000	300,000
Total TREATMENT - CENTRIFUGATION	3,362,103	3,944,271	3,836,400	3,877,200
<i>HITE TREATMENT - PROCESS CONTROL OPS</i>				
5101 Regular Wages	152,879	326,106	365,200	383,300
5105 Overtime Wages	45,760	-	-	-
5109 Benefits	150,316	156,523	178,000	188,000
Total PERSONNEL	348,955	482,629	543,200	571,300
5213 Materials & Supplies	104	5,000	5,000	5,000
Total MATERIALS & FUELS	104	5,000	5,000	5,000
Total HITE TREATMENT - PROCESS CONTROL OPS	349,059	487,629	548,200	576,300
<i>HITE TREATMENT - SPRT TO PROCESS CONTROL</i>				
5101 Regular Wages	-	146,767	140,700	147,800
5109 Benefits	-	70,448	68,500	72,500
Total PERSONNEL	-	217,215	209,200	220,300
Total HITE TREATMENT - SPRT TO PROCESS CONTROL	-	217,215	209,200	220,300

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

OPERATIONS DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>SECURITY</i>				
5101 Regular Wages	187,903	179,698	179,600	189,000
5104 On-Call Wages	-	2,500	2,500	3,000
5105 Overtime Wages	212	2,500	2,500	3,000
5109 Benefits	82,833	86,261	87,600	93,100
Total PERSONNEL	270,948	270,959	272,200	288,100
5213 Materials & Supplies	7,745	16,000	16,000	17,000
Total MATERIALS & FUELS	7,745	16,000	16,000	17,000
5549 Os - Other	711,860	825,000	825,000	950,000
5556 Os - Maintenance	33,216	40,000	40,000	45,000
Total OUTSIDE SERVICES	745,076	865,000	865,000	995,000
5610 Memberships	654	-	-	500
5685 Meetings & Conferences	856	3,000	3,000	3,000
5686 Training & Development	-	3,000	3,000	3,000
5687 Subscriptions/Publications	150	-	-	-
Total SUPPORT EXPENSES	1,660	6,000	6,000	6,500
Total SECURITY	1,025,429	1,157,959	1,159,200	1,306,600
<i>NTP SECURITY</i>				
5105 Overtime Wages	-	2,500	2,500	3,000
Total PERSONNEL	-	2,500	2,500	3,000
5213 Materials & Supplies	-	4,000	4,000	5,000
Total MATERIALS & FUELS	-	4,000	4,000	5,000
5549 Os - Other	-	225,000	225,000	230,000
5556 Os - Maintenance	-	15,000	15,000	15,000
Total OUTSIDE SERVICES	-	240,000	240,000	245,000
Total NTP SECURITY	-	246,500	246,500	253,500
Total OPERATIONS	20,332,120	21,421,768	21,292,850	22,760,100

Northern Treatment Plant Department

Description of Operations

The Northern Treatment Plant (NTP) Operations team is responsible for operating the liquid treatment, solids processing, and cogeneration facilities at the NTP in compliance with all federal and state regulations. The Operations team strives to operate these facilities in a cost-effective and efficient manner. The NTP Maintenance team is responsible for providing preventive and corrective maintenance at NTP to meet reliability requirements and operational demands for liquid treatment, solids processing, and energy cogeneration. This includes maintaining Metro District offices, public area and facilities, and maintaining facility support utilities such as water, electrical, and natural gas systems.

The NTP 2022 Revised Budget increased by 7.8% compared to the 2022 Budget. The 2023 Budget is increasing by 22.4% compared to the 2022 Budget. These changes are due to an increase in personnel and outside services.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 2,553,089	\$ 2,849,300	\$ 296,211	\$ 3,583,400	\$ 1,030,311
Materials & Fuels	728,000	728,000	-	745,000	17,000
Chemicals	365,600	377,500	11,900	389,500	23,900
Utilities	1,444,000	1,473,000	29,000	1,535,000	91,000
Outside Services	763,700	889,200	125,500	916,000	152,300
Support Expenses	45,750	45,750	-	54,000	8,250
Total Northern Treatment Plant	\$ 5,900,139	\$ 6,362,750	\$ 462,611	\$ 7,222,900	\$ 1,322,761

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total Northern Treatment Plant Staff	23	25	2	28	5

2021 Highlights

NTP Operations

- 5.1 million gallons/day reclaimed water
- 6 tons per day dewatered biosolids
- 2 million BTU/hour heat recovered
- 370 kilowatts/hour energy recovered
- 24/7/365 staffed operations

NTP Maintenance

- 30 Buildings on 90 acres

DEPARTMENT SUMMARY

NORTHERN TREATMENT PLANT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
MANAGEMENT	317,909	380,449	291,800	564,100
NTP MAINTENANCE	2,181,213	2,409,272	2,882,000	3,098,899
NTP OPERATIONS	3,232,839	3,110,418	3,188,950	3,559,901
Total NORTHERN TREATMENT PLANT	5,731,961	5,900,139	6,362,750	7,222,900

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY OBJECT

NORTHERN TREATMENT PLANT

2023 Adopted

		2021 Actual	2022 Budget	2022 Revised	2023 Proposed
PERSONNEL					
5101	REGULAR WAGES	1,507,400	1,654,833	1,819,100	2,306,000
5105	OVERTIME WAGES	87,978	85,000	85,000	89,000
5104	ON-CALL WAGES	7,848	3,000	3,000	5,000
5109	BENEFITS	730,791	794,256	893,400	1,130,600
5108	EMPLOYEE INCENTIVE PAY	29,500	-	28,000	30,000
5103	TEMPORARY WAGES	3,032	16,000	16,000	18,000
5110	CAR ALLOWANCE	400	-	4,800	4,800
	Total PERSONNEL	2,366,949	2,553,089	2,849,300	3,583,400
MATERIALS & FUELS					
5213	MATERIALS & SUPPLIES	643,117	728,000	728,000	745,000
	Total MATERIALS & FUELS	643,117	728,000	728,000	745,000
CHEMICALS					
5315	LIQUID OXYGEN	-	3,600	-	-
5320	FERRIC CHLORIDE	75,145	75,000	77,500	80,000
5329	POLYMER - WAS	32,935	28,500	29,500	30,000
5332	POLYMER - DEWATERING	214,204	150,000	155,000	160,000
5338	ACETIC ACID	40,359	21,000	25,500	26,500
5351	CALCIUM HYDROXIDE	31,668	59,000	60,500	62,500
5358	ALUM	22,440	28,500	29,500	30,500
	Total CHEMICALS	416,751	365,600	377,500	389,500
UTILITIES					
5410	NATURAL GAS/PROPANE	287,446	243,000	243,000	255,000
5415	POTABLE WATER	129,726	90,000	90,000	100,000
5420	ELECTRICAL POWER	1,140,966	1,111,000	1,140,000	1,180,000
	Total UTILITIES	1,558,138	1,444,000	1,473,000	1,535,000
OUTSIDE SERVICES					
5549	OS - OTHER	82,903	12,000	15,000	25,000
5556	OS - MAINTENANCE	643,447	751,700	874,200	891,000
	Total OUTSIDE SERVICES	726,350	763,700	889,200	916,000
SUPPORT SERVICES					
5610	MEMBERSHIPS	-	1,750	1,750	2,000
5685	MEETINGS & CONFERENCES	13,293	26,000	26,000	29,000
5686	TRAINING & DEVELOPMENT	6,783	17,000	17,000	22,000
5687	SUBSCRIPTIONS/PUBLICATIONS	580	1,000	1,000	1,000
	Total SUPPORT EXPENSES	20,656	45,750	45,750	54,000
	Total NORTHERN TREATMENT PLANT	5,731,961	5,900,139	6,362,750	7,222,900

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

NORTHERN TREATMENT PLANT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>MANAGEMENT</i>				
5101 Regular Wages	130,727	228,681	143,900	316,600
5109 Benefits	105,411	109,768	70,100	155,200
5108 Employee Incentive Pay	4,000	-	28,000	30,000
5110 Car Allowance	400	-	4,800	4,800
Total PERSONNEL	240,538	338,449	246,800	506,600
5213 Materials & Supplies	32,737	11,500	11,500	15,000
Total MATERIALS & FUELS	32,737	11,500	11,500	15,000
5549 Os - Other	34,395	12,000	15,000	25,000
Total OUTSIDE SERVICES	34,395	12,000	15,000	25,000
5610 Memberships	-	1,000	1,000	1,000
5685 Meetings & Conferences	9,583	10,000	10,000	8,000
5686 Training & Development	466	7,000	7,000	8,000
5687 Subscriptions/Publications	190	500	500	500
Total SUPPORT EXPENSES	10,239	18,500	18,500	17,500
Total MANAGEMENT	317,909	380,449	291,800	564,100

NTP SUPPORT

5101 Regular Wages	660,581	544,980	584,000	711,600
5103 Temporary Wages	1,752	-	-	-
5104 On-Call Wages	6,788	3,000	3,000	5,000
5105 Overtime Wages	44,998	85,000	85,000	89,000
5108 Employee Incentive Pay	23,500	-	-	-
5109 Benefits	204,511	261,593	283,700	348,100
Total PERSONNEL	942,130	894,573	955,700	1,153,700
5213 Materials & Supplies	133,459	7,000	7,000	7,778
Total MATERIALS & FUELS	133,459	7,000	7,000	7,778
5410 Natural Gas/Propane	192,611	157,000	157,000	164,700
5415 Potable Water	129,726	90,000	90,000	100,000
5420 Electrical Power	260,220	210,000	220,000	250,000
Total UTILITIES	582,557	457,000	467,000	514,700
5549 Os - Other	48,506	-	-	-
5556 Os - Maintenance	332,075	500,000	470,000	480,000
Total OUTSIDE SERVICES	380,581	500,000	470,000	480,000

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

NORTHERN TREATMENT PLANT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5610 Memberships	-	750	750	1,000
5685 Meetings & Conferences	3,710	16,000	16,000	21,000
5686 Training & Development	6,318	10,000	10,000	12,000
5687 Subscriptions/Publications	389	500	500	500
Total SUPPORT EXPENSES	10,417	27,250	27,250	34,500
Total NTP SUPPORT	2,049,144	1,885,823	1,926,950	2,190,678

NTP PROCESS CONTROL OPS

5101 Regular Wages	33,756	153,322	162,800	170,900
5105 Overtime Wages	4,161	-	-	-
5109 Benefits	70,675	73,597	79,200	84,000
Total PERSONNEL	108,592	226,919	242,000	254,900
5213 Materials & Supplies	20,578	3,000	3,000	3,333
Total MATERIALS & FUELS	20,578	3,000	3,000	3,333
Total NTP PROCESS CONTROL OPS	129,170	229,919	245,000	258,233

NTP SUPPORT TO PROCESS CONTROL

5101 Regular Wages	-	48,923	93,700	98,500
5109 Benefits	22,550	23,483	46,000	48,400
Total PERSONNEL	22,550	72,406	139,700	146,900
Total NTP SUPPORT TO PROCESS CONTROL	22,550	72,406	139,700	146,900

NTP HEADWORKS

5101 Regular Wages	50,684	83,314	94,600	104,900
5105 Overtime Wages	2,288	-	-	-
5109 Benefits	41,152	39,978	46,000	51,100
Total PERSONNEL	94,124	123,292	140,600	156,000
5213 Materials & Supplies	23,366	33,500	33,500	34,314
Total MATERIALS & FUELS	23,366	33,500	33,500	34,314
5410 Natural Gas/Propane	4,311	4,000	4,000	4,200
5420 Electrical Power	102,943	115,000	120,000	130,000
Total UTILITIES	107,254	119,000	124,000	134,200

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

NORTHERN TREATMENT PLANT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5556 Os - Maintenance	9,270	7,700	7,700	8,000
Total OUTSIDE SERVICES	9,270	7,700	7,700	8,000
Total NTP HEADWORKS	234,014	283,492	305,800	332,514

NTP PRIMARY TREATMENT

5101 Regular Wages	28,537	49,421	59,000	96,900
5105 Overtime Wages	2,217	-	-	-
5109 Benefits	23,699	23,717	29,700	47,300
Total PERSONNEL	54,453	73,138	88,700	144,200
5213 Materials & Supplies	836	11,000	11,000	11,495
Total MATERIALS & FUELS	836	11,000	11,000	11,495
5410 Natural Gas/Propane	4,311	4,000	4,000	4,200
5420 Electrical Power	22,877	26,000	30,000	30,000
Total UTILITIES	27,188	30,000	34,000	34,200
5556 Os - Maintenance	891	500	500	1,000
Total OUTSIDE SERVICES	891	500	500	1,000
Total NTP PRIMARY TREATMENT	83,368	114,638	134,200	190,895

NTP SECONDARY TREATMENT

5101 Regular Wages	90,703	51,914	61,400	71,200
5105 Overtime Wages	2,390	-	-	-
5109 Benefits	24,848	24,914	30,900	35,200
Total PERSONNEL	117,941	76,828	92,300	106,400
5213 Materials & Supplies	70,376	97,500	97,500	99,221
Total MATERIALS & FUELS	70,376	97,500	97,500	99,221
5338 Acetic Acid	40,359	21,000	25,500	26,500
Total CHEMICALS	40,359	21,000	25,500	26,500
5410 Natural Gas/Propane	4,311	4,000	4,000	4,200
5420 Electrical Power	263,079	220,000	220,000	220,000
Total UTILITIES	267,390	224,000	224,000	224,200

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

NORTHERN TREATMENT PLANT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5556 Os - Maintenance	11,799	2,000	2,000	2,000
Total OUTSIDE SERVICES	11,799	2,000	2,000	2,000
Total NTP SECONDARY TREATMENT	507,865	421,328	441,300	458,321

NTP TERTIARY TREATMENT

5101 Regular Wages	36,541	71,161	87,100	105,400
5105 Overtime Wages	2,217	-	-	-
5109 Benefits	34,637	34,149	43,400	51,700
Total PERSONNEL	73,395	105,310	130,500	157,100
5213 Materials & Supplies	7,064	11,500	11,500	12,001
Total MATERIALS & FUELS	7,064	11,500	11,500	12,001
5358 Alum	22,440	28,500	29,500	30,500
Total CHEMICALS	22,440	28,500	29,500	30,500
5410 Natural Gas/Propane	4,311	4,000	4,000	4,200
5420 Electrical Power	160,136	200,000	200,000	200,000
Total UTILITIES	164,447	204,000	204,000	204,200
5556 Os - Maintenance	5,116	1,000	1,000	1,000
Total OUTSIDE SERVICES	5,116	1,000	1,000	1,000
Total NTP TERTIARY TREATMENT	272,462	350,310	376,500	404,801

NTP DISINFECTION & EFFLUENT TRANSFER

5101 Regular Wages	39,348	61,598	80,700	97,700
5105 Overtime Wages	2,620	-	-	-
5109 Benefits	29,316	29,560	39,800	48,100
Total PERSONNEL	71,284	91,158	120,500	145,800
5213 Materials & Supplies	10,080	32,500	32,500	33,300
Total MATERIALS & FUELS	10,080	32,500	32,500	33,300
5315 Liquid Oxygen	-	3,600	-	-
Total CHEMICALS	-	3,600	-	-

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

NORTHERN TREATMENT PLANT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5410 Natural Gas/Propane	4,311	4,000	4,000	4,200
5420 Electrical Power	102,943	110,000	120,000	120,000
Total UTILITIES	107,254	114,000	124,000	124,200
5556 Os - Maintenance	1,266	16,000	16,000	16,000
Total OUTSIDE SERVICES	1,266	16,000	16,000	16,000
Total NTP DISINFECTION & EFFLUENT TRANSFER	189,884	257,258	293,000	319,300

NTP GRAVITY THICKENING

5101 Regular Wages	53,533	64,091	83,100	100,400
5105 Overtime Wages	2,682	-	-	-
5109 Benefits	30,464	30,757	41,000	49,300
Total PERSONNEL	86,679	94,848	124,100	149,700
5213 Materials & Supplies	37,136	34,500	34,500	35,328
Total MATERIALS & FUELS	37,136	34,500	34,500	35,328
5410 Natural Gas/Propane	4,311	4,000	4,000	4,200
5420 Electrical Power	22,877	20,000	20,000	20,000
Total UTILITIES	27,188	24,000	24,000	24,200
5556 Os - Maintenance	-	500	500	1,000
Total OUTSIDE SERVICES	-	500	500	1,000
Total NTP GRAVITY THICKENING	151,003	153,848	183,100	210,228

NTP WAS THICKENING

5101 Regular Wages	40,483	64,091	83,100	100,400
5105 Overtime Wages	2,217	-	-	-
5109 Benefits	30,464	30,757	41,000	49,300
Total PERSONNEL	73,164	94,848	124,100	149,700
5213 Materials & Supplies	18,218	24,500	24,500	24,172
Total MATERIALS & FUELS	18,218	24,500	24,500	24,172
5329 Polymer - Was	32,935	28,500	29,500	30,000
Total CHEMICALS	32,935	28,500	29,500	30,000

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

NORTHERN TREATMENT PLANT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5410 Natural Gas/Propane	4,311	4,000	4,000	4,200
5420 Electrical Power	11,438	10,000	10,000	10,000
Total UTILITIES	15,749	14,000	14,000	14,200
5556 Os - Maintenance	1,781	500	500	1,000
Total OUTSIDE SERVICES	1,781	500	500	1,000
Total NTP WAS THICKENING	141,847	162,348	192,600	219,072

NTP ANAEROBIC DIGESTION

5101 Regular Wages	43,094	66,076	84,500	102,300
5105 Overtime Wages	2,661	-	-	-
5109 Benefits	32,296	31,709	42,200	50,500
Total PERSONNEL	78,051	97,785	126,700	152,800
5213 Materials & Supplies	97,172	90,500	90,500	92,123
Total MATERIALS & FUELS	97,172	90,500	90,500	92,123
5320 Ferric Chloride	10,665	15,000	15,500	16,000
5351 Calcium Hydroxide	31,668	59,000	60,500	62,500
Total CHEMICALS	42,333	74,000	76,000	78,500
5410 Natural Gas/Propane	5,748	4,000	4,000	4,200
5420 Electrical Power	137,259	140,000	140,000	140,000
Total UTILITIES	143,007	144,000	144,000	144,200
5556 Os - Maintenance	891	2,500	25,000	25,000
Total OUTSIDE SERVICES	891	2,500	25,000	25,000
Total NTP ANAEROBIC DIGESTION	361,454	408,785	462,200	492,623

NTP DIGESTED SOLIDS DEWATERING

5101 Regular Wages	58,984	86,527	108,100	119,200
5105 Overtime Wages	2,369	-	-	-
5109 Benefits	40,808	41,527	53,100	58,600
Total PERSONNEL	102,161	128,054	161,200	177,800

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY ACTIVITY

NORTHERN TREATMENT PLANT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5213 Materials & Supplies	29,426	42,500	42,500	43,442
Total MATERIALS & FUELS	29,426	42,500	42,500	43,442
5320 Ferric Chloride	64,480	60,000	62,000	64,000
5332 Polymer - Dewatering	214,204	150,000	155,000	160,000
Total CHEMICALS	278,684	210,000	217,000	224,000
5410 Natural Gas/Propane	4,311	4,000	4,000	4,200
5420 Electrical Power	11,438	10,000	10,000	10,000
Total UTILITIES	15,749	14,000	14,000	14,200
5556 Os - Maintenance	1,481	30,000	30,000	30,000
Total OUTSIDE SERVICES	1,481	30,000	30,000	30,000
Total NTP DIGESTED SOLIDS DEWATERING	427,501	424,554	464,700	489,442

NTP COGENERATION

5101 Regular Wages	41,124	51,914	61,400	71,200
5105 Overtime Wages	2,217	-	-	-
5109 Benefits	24,848	24,914	30,900	35,200
Total PERSONNEL	68,189	76,828	92,300	106,400
5213 Materials & Supplies	14,669	28,500	28,500	29,243
Total MATERIALS & FUELS	14,669	28,500	28,500	29,243
5410 Natural Gas/Propane	54,602	50,000	50,000	52,500
5420 Electrical Power	45,753	50,000	50,000	50,000
Total UTILITIES	100,355	100,000	100,000	102,500
5556 Os - Maintenance	45,994	190,000	320,000	325,000
Total OUTSIDE SERVICES	45,994	190,000	320,000	325,000
Total NTP COGENERATION	229,207	395,328	540,800	563,143

GROUNDS

5101 Regular Wages	195,544	-	-	-
5103 Temporary Wages	1,280	16,000	16,000	18,000
5104 On-Call Wages	1,060	-	-	-
5105 Overtime Wages	14,941	-	-	-
5108 Overtime Wages	2,000	-	-	-
Total PERSONNEL	214,825	16,000	16,000	18,000

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY ACTIVITY

NORTHERN TREATMENT PLANT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5213 Materials & Supplies	33,802	210,000	210,000	212,975
Total MATERIALS & FUELS	33,802	210,000	210,000	212,975
5556 Os - Maintenance	151,275	-	-	-
Total OUTSIDE SERVICES	151,275	-	-	-
5686 Training & Development	-	-	-	2,000
Total SUPPORT EXPENSES	-	-	-	2,000
Total GROUNDS	399,902	226,000	226,000	232,975

EQUIPMENT

5101 Regular Wages	3,760	28,820	31,700	38,800
5109 Benefits	15,113	13,833	16,400	18,600
Total PERSONNEL	18,873	42,653	48,100	57,400
5213 Materials & Supplies	114,198	90,000	90,000	91,275
Total MATERIALS & FUELS	114,198	90,000	90,000	91,275
5556 Os - Maintenance	81,610	1,000	1,000	1,000
Total OUTSIDE SERVICES	81,610	1,000	1,000	1,000
Total EQUIPMENT	214,681	133,653	139,100	149,675

Total NORTHERN TREATMENT

PLANT	5,731,961	5,900,139	6,362,750	7,222,900
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Resource Recovery and Reuse Department

Description of Operations

The Resource Recovery and Reuse (RR&R) Department is responsible for the Metro’s Transmission System and the Biosolids Management Program. This includes transmission of wastewater from all connectors to the RWHTF and NTP as well as marketing, transporting, and distributing the District’s Class B METROGRO® biosolids product.

The RR&R Department 2022 Revised Budget decreased by 1.1% compared to the 2022 Budget. The 2023 Budget is increasing by 4.4% compared to the 2022 Budget. This is due to an increase in personnel and materials and supplies, but a decrease in chemicals and outside services.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 7,211,551	\$ 7,425,800	\$ 214,249	\$ 8,014,800	\$ 803,249
Materials & Fuels	3,140,600	3,140,600	-	3,259,750	119,150
Chemicals	2,090,000	1,890,000	(200,000)	1,890,000	(200,000)
Utilities	196,000	196,000	-	205,000	9,000
Outside Services	1,696,000	1,521,000	(175,000)	1,595,000	(101,000)
Support Expenses	127,000	127,000	-	134,000	7,000
Total RR&R	\$ 14,461,151	\$ 14,300,400	\$ (160,751)	\$ 15,098,550	\$ 637,399

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total RR&R Staff	66.00	66.00	-	68.00	2.00

2021 Highlights

- 236 miles of gravity pipe
- 43 interceptors
- 3,728 manholes
- 7 drainage basins
- 113 diversion structures
- 109 metering facilities
- 30 siphon structures
- 3 lift stations, 3 miles of force mains
- ~19,000 line locate responses
 - 6,300 physical locates
- 52,000-acre METROGRO Farm
- 110–120 miles of METROGRO Farm roads
- ~30,000 dry tons biosolids land applied
- ~13,000 acres biosolids land applied
- 23 truckloads/day biosolids transported 6 days/week
- ~8,500 pounds of biosolids in each truck
- 360 permitted land application sites
- 3,464 fleet work orders completed
- 430 pieces of fleet equipment, including:
 - 130 gas vehicles
 - 20 tractor/trailer combos

METRO WATER RECOVERY

DEPARTMENT SUMMARY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
RR&R MANAGEMENT	855,525	549,899	691,800	734,800
RR&R HITE OPERATIONS	6,641,489	8,058,197	7,674,300	8,055,500
RR&R NTP OPERATIONS	101,890	142,218	137,000	153,800
RR&R HITE MAINTENANCE	3,405,842	3,460,991	3,435,200	3,594,750
RR&R NTP MAINTENANCE	93,829	163,551	152,300	159,900
RR&R TRANSMISSION	2,214,366	2,086,295	2,209,800	2,399,800
Total RESOURCE RECOVERY & REUSE	13,312,941	14,461,151	14,300,400	15,098,550

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY OBJECT

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
PERSONNEL				
5101 REGULAR WAGES	4,697,140	4,692,042	4,798,100	5,159,100
5105 OVERTIME WAGES	333,070	232,000	232,000	265,000
5104 ON-CALL WAGES	29,231	16,000	16,000	18,000
5103 TEMPORARY WAGES	7,600	14,500	14,500	16,000
5108 EMPLOYEE INCENTIVE PAY	37,000	-	30,000	32,000
5109 BENEFITS	2,162,857	2,252,209	2,330,400	2,519,900
5110 CAR ALLOWANCE	4,800	4,800	4,800	4,800
Total PERSONNEL	7,271,698	7,211,551	7,425,800	8,014,800
MATERIALS & FUELS				
5213 MATERIALS & SUPPLIES	2,080,845	2,067,000	2,067,000	2,135,000
5215 TIRES & TUBES	171,978	212,000	212,000	220,000
5225 GASOLINE	140,660	138,600	138,600	145,750
5230 DIESEL FUEL	704,157	723,000	723,000	759,000
Total MATERIALS & FUELS	3,097,640	3,140,600	3,140,600	3,259,750
CHEMICALS				
5346 HERBICIDE/PESTICIDE	139,731	50,000	50,000	50,000
5348 FARM CHEMICALS	1,518,439	2,040,000	1,840,000	1,840,000
Total CHEMICALS	1,658,170	2,090,000	1,890,000	1,890,000
UTILITIES				
5410 NATURAL GAS/PROPANE	7,909	20,000	20,000	22,000
5415 POTABLE WATER	12,167	18,000	18,000	18,000
5420 ELECTRICAL POWER	174,034	158,000	158,000	165,000
Total UTILITIES	194,110	196,000	196,000	205,000
OUTSIDE SERVICES				
5540 OS - RENTAL	270	173,000	173,000	180,000
5549 OS - OTHER	658,508	1,085,000	985,000	1,040,000
5556 OS - MAINTENANCE	114,978	145,000	145,000	152,000
5560 APPLICATION FEES	275,716	293,000	218,000	223,000
Total OUTSIDE SERVICES	1,049,472	1,696,000	1,521,000	1,595,000

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY OBJECT

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
SUPPORT SERVICES				
5610 MEMBERSHIPS	1,859	6,000	6,000	6,000
5685 MEETINGS & CONFERENCES	24,400	45,000	45,000	47,000
5686 TRAINING & DEVELOPMENT	12,608	73,000	73,000	77,000
5687 SUBSCRIPTIONS/PUBLICATIONS	2,984	3,000	3,000	4,000
Total SUPPORT EXPENSES	41,851	127,000	127,000	134,000
TOTAL RESOURCE RECOVERY & REUSE				
	13,312,941	14,461,151	14,300,400	15,098,550

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>TRANSMISSION - MANAGEMENT</i>				
5101 Regular Wages	298,798	347,075	349,500	366,700
5104 On-Call Wages	15,527	16,000	16,000	18,000
5105 Overtime Wages	22,886	-	-	-
5108 Employee Incentive Pay	-	-	15,000	16,000
5109 Benefits	159,985	166,596	170,400	180,500
Total PERSONNEL	497,196	529,671	550,900	581,200
5213 Materials & Supplies	12,581	-	-	-
Total MATERIALS & FUELS	12,581	-	-	-
5560 Application Fees	400	-	-	-
Total OUTSIDE SERVICES	400	-	-	-
5610 Memberships	529	500	500	500
5685 Meetings & Conferences	4,076	4,000	4,000	5,000
5686 Training & Development	2,820	22,000	22,000	25,000
5687 Subscriptions/Publications	144	500	500	1,000
Total SUPPORT EXPENSES	7,569	27,000	27,000	31,500
Total TRANSMISSION - MANAGEMENT	517,745	556,671	577,900	612,700
<i>TRANSMISSION - LIFT STATIONS</i>				
5101 Regular Wages	17,304	36,224	40,400	45,600
5105 Overtime Wages	-	5,000	5,000	6,000
5109 Benefits	16,705	17,392	19,300	21,700
Total PERSONNEL	34,008	58,616	64,700	73,300
5213 Materials & Supplies	29,729	10,000	10,000	10,000
Total MATERIALS & FUELS	29,729	10,000	10,000	10,000
5410 Natural Gas/Propane	3,711	10,000	10,000	10,000
5415 Potable Water	8,587	-	-	-
5420 Electrical Power	111,047	92,000	92,000	93,000
Total UTILITIES	123,345	102,000	102,000	103,000

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5556 Os - Maintenance	2,283	-	-	-
Total OUTSIDE SERVICES	2,283	-	-	-
Total TRANSMISSION - LIFT STATIONS	189,365	170,616	176,700	186,300

TRANSMISSION - ANNUAL CHARGES METERING/SAMPLING

5101 Regular Wages	19,599	27,193	30,300	31,800
5109 Benefits	12,533	13,050	14,500	15,700
Total PERSONNEL	32,132	40,243	44,800	47,500
5213 Materials & Supplies	24,336	65,000	65,000	70,000
Total MATERIALS & FUELS	24,336	65,000	65,000	70,000
5410 Natural Gas/Propane	-	3,000	3,000	4,000
5420 Electrical Power	36,183	28,000	28,000	30,000
Total UTILITIES	36,183	43,000	43,000	46,000
5556 Os - Maintenance	16,145	20,000	20,000	20,000
Total OUTSIDE SERVICES	16,145	20,000	20,000	20,000
Total TRANSMISSION-ANNUAL CHARGES METERING/SAMPLING	108,796	168,243	172,800	183,500

TRANSMISSION - PLANT METERING/SAMPLING

5101 Regular Wages	-	3,022	3,600	3,600
5105 Overtime Wages	-	5,000	5,000	6,000
5109 Benefits	1,392	1,451	1,200	1,500
Total PERSONNEL	1,392	9,473	9,800	11,100
5213 Materials & Supplies	13,498	5,000	5,000	5,000
Total MATERIALS & FUELS	13,498	5,000	5,000	5,000
Total TRANSMISSION - PLANT METERING/SAMPLING	14,890	14,473	14,800	16,100

TRANSMISSION - INDUSTRIAL WASTE METERING/SAMPLING

5101 Regular Wages	-	18,129	20,100	21,200
5105 Overtime Wages	-	15,000	15,000	15,000
5109 Benefits	8,357	8,701	9,800	10,300
Total PERSONNEL	8,357	41,830	44,900	46,500

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5213 Materials & Supplies	4,826	-	-	-
Total MATERIALS & FUELS	4,826	-	-	-
Total TRANSMISSION - INDUSTRIAL WASTE METERING/SAMPLING				
	13,183	41,830	44,900	46,500
<i>TRANSMISSION - OTHER METERING/SAMPLING</i>				
5101 Regular Wages	1,091	9,064	10,300	10,600
5105 Overtime Wages	-	5,000	5,000	5,000
5109 Benefits	4,178	4,349	4,800	5,100
Total PERSONNEL	5,269	18,413	20,100	20,700
5213 Materials & Supplies	823	-	-	-
Total MATERIALS & FUELS	823	-	-	-
Total TRANSMISSION - OTHER METERING/SAMPLING				
	6,092	18,413	20,100	20,700
<i>TRANSMISSION - INTERCEPTORS</i>				
5101 Regular Wages	815,319	497,745	545,300	621,400
5104 On-Call Wages	13,704	-	-	-
5105 Overtime Wages	41,924	-	-	-
5108 Employee Incentive Pay	27,000	-	-	-
5109 Benefits	229,436	238,907	266,500	304,200
Total PERSONNEL	1,127,383	736,652	811,800	925,600
5213 Materials & Supplies	93,539	190,000	190,000	190,000
Total MATERIALS & FUELS	93,539	190,000	190,000	190,000
5415 Potable Water	3,580	6,000	6,000	6,000
5420 Electrical Power	12,969	11,000	11,000	12,000
Total UTILITIES	16,549	17,000	17,000	18,000
5556 Os - Maintenance	(250)	12,000	12,000	12,000
Total OUTSIDE SERVICES	(250)	12,000	12,000	12,000

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5610 Memberships	630	1,200	1,200	1,200
5685 Meetings & Conferences	1,952	6,000	6,000	6,000
5686 Training & Development	1,365	9,000	9,000	10,000
5687 Subscriptions/Publications	144	-	-	-
Total SUPPORT EXPENSES	4,091	16,200	16,200	17,200
Total TRANSMISSION - INTERCEPTORS	1,241,313	971,852	1,047,000	1,162,800
<i>TRANSMISSION - GROUNDS</i>				
5101 Regular Wages	7,029	48,115	53,000	60,700
5109 Benefits	22,178	23,090	25,500	29,600
Total PERSONNEL	29,206	71,205	78,500	90,300
5213 Materials & Supplies	13,165	-	-	-
Total MATERIALS & FUELS	13,165	-	-	-
Total TRANSMISSION - GROUND	42,372	71,205	78,500	90,300
<i>TRANSMISSION - SUPPORT</i>				
5105 Overtime Wages	-	10,000	10,000	10,000
Total PERSONNEL	-	10,000	10,000	10,000
5213 Materials & Supplies	-	35,000	35,000	35,000
Total MATERIALS & FUELS	-	35,000	35,000	35,000
Total TRANSMISSION - GROUND	-	45,000	45,000	45,000
<i>TRANSMISSION - VEHICLES</i>				
5101 Regular Wages	1,064	18,908	21,300	23,900
5109 Benefits	8,722	9,084	10,800	12,000
Total PERSONNEL	9,786	27,992	32,100	35,900
5213 Materials & Supplies	237	-	-	-
Total MATERIALS & FUELS	237	-	-	-
Total TRANSMISSION - VEHICLES	10,023	27,992	32,100	35,900

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>TRANSMISSION - LINE LOCATE</i>				
5101 Regular Wages	43,815	-	-	-
5105 Overtime Wages	83	-	-	-
Total PERSONNEL	43,898	-	-	-
5213 Materials & Supplies	1,540	-	-	-
Total MATERIALS & FUELS	1,540	-	-	-
5560 Application Fees	25,149	-	-	-
Total OUTSIDE SERVICES	25,149	-	-	-
Total TRANSMISSION - LINE LOCATE	70,587	-	-	-
<i>RR&R MANAGEMENT</i>				
5101 Regular Wages	530,590	297,499	381,300	399,700
5105 Overtime Wages	4,680	-	-	10,000
5108 Employee Incentive Pay	-	-	15,000	16,000
5109 Benefits	137,132	142,800	185,900	196,000
5110 Car Allowance	4,800	4,800	4,800	4,800
Total PERSONNEL	677,202	445,099	587,000	626,500
5213 Materials & Supplies	26,700	12,000	12,000	13,000
Total MATERIALS & FUELS	26,700	12,000	12,000	13,000
5540 Os - Rental	270	-	-	-
5549 Os - Other	119,660	9,000	9,000	10,000
5560 Application Fees	2,364	-	-	-
Total OUTSIDE SERVICES	122,294	9,000	9,000	10,000
5610 Memberships	700	4,300	4,300	4,300
5685 Meetings & Conferences	17,510	35,000	35,000	36,000
5686 Training & Development	8,423	42,000	42,000	42,000
5687 Subscriptions/Publications	2,696	2,500	2,500	3,000
Total SUPPORT EXPENSES	29,330	83,800	83,800	85,300
Total RR&R MANAGEMENT	855,525	549,899	691,800	734,800

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>RR&R OPERATIONS - METROGRO AG TRANSPORT</i>				
5101 Regular Wages	1,001,972	554,040	547,300	600,500
5105 Overtime Wages	221,440	40,000	40,000	45,000
5108 Employee Incentive Pay	10,000	-	-	-
5109 Benefits	255,396	265,944	266,200	292,800
Total PERSONNEL	1,488,808	859,984	853,500	938,300
5213 Materials & Supplies	106,077	16,000	16,000	20,000
5230 Diesel Fuel	419,672	349,450	349,450	366,850
Total MATERIALS & FUELS	525,749	365,450	365,450	386,850
Total RR&R OPERATIONS - METROGRO AG TRANSPORT	2,014,557	1,225,434	1,218,950	1,325,150

RR&R OPERATIONS - METROGRO FARM AG TRANSPORT

5101 Regular Wages	203,721	203,656	196,200	211,200
5103 Temporary Wages	2,056	14,500	14,500	16,000
5105 Overtime Wages	-	40,000	40,000	45,000
5109 Benefits	93,888	97,760	94,100	102,700
Total PERSONNEL	299,665	355,916	344,800	374,900
5213 Materials & Supplies	20,161	5,000	5,000	5,000
5230 Diesel Fuel	105,805	69,890	69,890	73,370
Total MATERIALS & FUELS	125,966	74,890	74,890	78,370
Total RR&R OPERATIONS - METROGRO FARM AG TRANSPORT	425,631	430,806	419,690	453,270

RR&R OPERATIONS - METROGRO AG DISTRIBUTION

5101 Regular Wages	326,234	526,157	520,000	562,700
5105 Overtime Wages	-	20,000	20,000	22,000
5109 Benefits	242,539	252,562	252,800	275,300
Total PERSONNEL	568,773	798,719	792,800	860,000
5213 Materials & Supplies	32,129	5,000	5,000	5,000
5230 Diesel Fuel	109,109	178,340	178,340	187,220
Total MATERIALS & FUELS	141,238	183,340	183,340	192,220

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5549 Os - Other	2,580	5,000	5,000	8,000
5560 Application Fees	63,413	145,000	70,000	70,000
Total OUTSIDE SERVICES	65,993	150,000	75,000	78,000
Total RR&R OPERATIONS - METROGRO AG DISTRIBUTION	776,004	1,132,059	1,051,140	1,130,220

RR&R OPERATIONS - METROGRO FARM AG DISTRIBUTION

5101 Regular Wages	82,012	256,872	250,800	267,500
5105 Overtime Wages	-	20,000	20,000	22,000
5109 Benefits	118,415	123,301	120,800	130,600
Total PERSONNEL	200,427	400,173	391,600	420,100
5213 Materials & Supplies	939	5,000	5,000	5,000
5230 Diesel Fuel	-	31,330	31,330	32,890
Total MATERIALS & FUELS	939	36,330	36,330	37,890
5549 Os - Other	-	1,000	1,000	1,000
5560 Application Fees	34,628	40,000	40,000	40,000
Total OUTSIDE SERVICES	34,628	41,000	41,000	41,000
METROGRO FARM AG DISTRIBUTION	235,994	477,503	468,930	498,990

RR&R OPERATIONS - METROGRO FARM ACTIVITIES

5101 Regular Wages	102,435	443,311	456,500	485,200
5103 Temporary Wages	5,544	-	-	-
5105 Overtime Wages	1,464	30,000	30,000	32,000
5109 Benefits	204,357	212,794	222,800	237,000
Total PERSONNEL	313,800	686,105	709,300	754,200
5213 Materials & Supplies	478,602	570,000	570,000	595,000
5230 Diesel Fuel	69,529	93,990	93,990	98,670
Total MATERIALS & FUELS	548,131	663,990	663,990	693,670
5346 Herbicide/Pesticide	139,731	50,000	50,000	50,000
5348 Farm Chemicals	1,518,439	2,040,000	1,840,000	1,840,000
Total CHEMICALS	1,658,170	2,090,000	1,890,000	1,890,000
5410 Natural Gas/Propane	-	2,500	2,500	3,000
5420 Electrical Power	13,834	27,000	27,000	30,000
Total UTILITIES	13,834	29,500	29,500	33,000
5540 Os - Rental	-	155,800	155,800	158,000
5549 Os - Other	529,283	1,066,000	966,000	1,016,000
5560 Application Fees	77,527	98,000	98,000	100,000
Total OUTSIDE SERVICES	606,810	1,319,800	1,219,800	1,274,000

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5685 Meetings & Conferences	861	-	-	-
Total SUPPORT EXPENSES	861	-	-	-
Total OPERATIONS - METROGRO FARM ACTIVITIES	3,141,606	4,789,395	4,512,590	4,644,870
<i>METROGRO TRANS FARM</i>				
5101 Regular Wages	17,728	47,368	45,300	51,100
5109 Benefits	21,835	22,741	22,200	24,800
Total PERSONNEL	39,563	70,109	67,500	75,900
5213 Materials & Supplies	-	1,000	1,000	1,000
Total MATERIALS & FUELS	-	1,000	1,000	1,000
Total METROGRO TRANS FARM	39,563	71,109	68,500	76,900
<i>METROGRO DIST FARM</i>				
5101 Regular Wages	9,377	47,368	45,300	51,100
5109 Benefits	21,835	22,741	22,200	24,800
Total PERSONNEL	31,212	70,109	67,500	75,900
5213 Materials & Supplies	-	1,000	1,000	1,000
Total MATERIALS & FUELS	-	1,000	1,000	1,000
Total METROGRO DIST FARM	31,212	71,109	68,500	76,900
<i>PRIVATE COMPOSTER</i>				
5101 Regular Wages	625	-	-	-
Total PERSONNEL	625	-	-	-

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5560 Application Fees	47,072	3,000	3,000	3,000
Total OUTSIDE SERVICES	47,072	3,000	3,000	3,000
Total PRIVATE COMPOSTER	47,697	3,000	3,000	3,000
<i>PRIVATE COMPOSTER-NTP</i>				
5101 Regular Wages	10,114	-	-	-
Total PERSONNEL	10,114	-	-	-
5560 Application Fees	21,000	-	-	-
Total OUTSIDE SERVICES	21,000	-	-	-
Total PRIVATE COMPOSTER - NTP	31,114	-	-	-
Total RR&R OPERATIONS	6,743,379	8,200,415	7,811,300	8,209,300

RR&R MAINTENANCE - METROGRO AG TRANSPORT

5101 Regular Wages	260,662	133,487	182,500	191,500
5105 Overtime Wages	17,953	8,000	8,000	9,000
5109 Benefits	61,530	64,073	87,900	93,600
Total PERSONNEL	340,146	205,560	278,400	294,100
5213 Materials & Supplies	446,840	250,000	250,000	250,000
5215 Tires & Tubes	95,134	55,000	55,000	57,000
5230 Diesel Fuel	43	-	-	-
Total MATERIALS & FUELS	542,017	305,000	305,000	307,000
5556 Os - Maintenance	32,914	21,000	21,000	25,000
Total OUTSIDE SERVICES	32,914	21,000	21,000	25,000
Total RR&R MAINTENANCE - METROGRO AG TRANSPORT	915,076	531,560	604,400	626,100

RR&R MAINTENANCE - METROGRO FARM AG TRANSPORT

5101 Regular Wages	23,523	160,610	157,400	165,500
5105 Overtime Wages	3,929	8,000	8,000	9,000
5109 Benefits	74,033	77,084	75,900	80,100
Total PERSONNEL	101,485	245,694	241,300	254,600

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
5213 Materials & Supplies	10,649	40,000	40,000	50,000
5215 Tires & Tubes	-	15,000	15,000	15,000
Total MATERIALS & FUELS	10,649	55,000	55,000	65,000
5556 Os - Maintenance	1,258	13,000	13,000	13,000
Total OUTSIDE SERVICES	1,258	13,000	13,000	13,000
Total RR&R MAINTENANCE - METROGRO FARM AG TRANSPORT				
	113,392	313,694	309,300	332,600
<i>RR&R MAINTENANCE - METROGRO AG DISTRIBUTION</i>				
5101 Regular Wages	306,812	151,405	148,600	155,600
5105 Overtime Wages	4,765	4,000	4,000	4,000
5109 Benefits	69,795	72,678	71,500	75,500
Total PERSONNEL	381,372	228,083	224,100	235,100
5213 Materials & Supplies	392,664	250,000	250,000	250,000
5215 Tires & Tubes	46,238	35,000	35,000	35,000
Total MATERIALS & FUELS	438,902	285,000	285,000	285,000
5556 Os - Maintenance	8,018	10,000	10,000	10,000
Total OUTSIDE SERVICES	8,018	10,000	10,000	10,000
Total RR&R MAINTENANCE - METROGRO AG DISTRIBUTION				
	828,292	523,083	519,100	530,100
<i>RR&R MAINTENANCE - METROGRO FARM AG DISTRIBUTION</i>				
5101 Regular Wages	61,542	152,043	148,800	155,700
5105 Overtime Wages	3,929	4,000	4,000	4,000
5109 Benefits	70,085	72,969	72,100	76,100
Total PERSONNEL	135,555	229,012	224,900	235,800
5213 Materials & Supplies	29,052	100,000	100,000	100,000
5215 Tires & Tubes	-	20,000	20,000	20,000
Total MATERIALS & FUELS	29,052	120,000	120,000	120,000
5556 Os - Maintenance	60	7,000	7,000	10,000
Total OUTSIDE SERVICES	60	7,000	7,000	10,000
Total RR&R MAINTENANCE - METROGRO FARM AG				
	164,668	356,012	351,900	365,800
<i>RR&R MAINTENANCE - METROGRO FARM ACTIVITIES</i>				
5101 Regular Wages	157,223	135,938	132,800	139,200
5105 Overtime Wages	546	10,000	10,000	10,000
5109 Benefits	62,653	65,267	63,800	67,400

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
Total PERSONNEL	220,423	211,205	206,600	216,600
5213 Materials & Supplies	104,971	172,000	172,000	180,000
5215 Tires & Tubes	2,088	54,000	54,000	55,000
Total MATERIALS & FUELS	107,059	226,000	226,000	235,000
5540 Os - Rental	-	16,000	16,000	20,000
5556 Os - Maintenance	5,890	24,000	24,000	24,000
Total OUTSIDE SERVICES	5,890	40,000	40,000	44,000
Total RR&R MAINTENANCE - METROGRO FARM ACTIVITIES	333,372	477,205	472,600	495,600

NTP SUPPORT

5101 Regular Wages	1,519	66,522	64,300	67,500
5105 Overtime Wages	-	500	500	2,000
5109 Benefits	30,667	31,933	32,300	33,000
Total PERSONNEL	32,187	98,955	97,100	102,500
5213 Materials & Supplies	255	35,000	35,000	40,000
Total MATERIALS & FUELS	255	35,000	35,000	40,000
Total NTP SUPPORT	32,442	148,955	147,100	157,500

RR&R SUPPORT - BUILDING SUPPORT

5101 Regular Wages	47,489	51,213	48,400	51,000
5105 Overtime Wages	5,884	2,000	2,000	2,000
5109 Benefits	23,604	24,580	23,600	25,000
Total PERSONNEL	76,978	77,793	74,000	78,000
5213 Materials & Supplies	19,749	25,000	25,000	25,000
Total MATERIALS & FUELS	19,749	25,000	25,000	25,000
5410 Natural Gas/Propane	4,198	4,500	4,500	5,000
Total UTILITIES	4,198	4,500	4,500	5,000
5549 Os - Other	6,984	4,000	4,000	5,000
5556 Os - Maintenance	7,806	10,000	10,000	10,000
Total OUTSIDE SERVICES	14,790	14,000	14,000	15,000
Total RR&R SUPPORT - BUILDING SUPPORT	115,716	121,293	117,500	123,000

RR&R SUPPORT - VEHICLES AND EQUIPMENT

5101 Regular Wages	333,645	308,288	258,700	271,500
5105 Overtime Wages	3,586	5,000	5,000	5,000
5109 Benefits	142,104	147,983	125,100	132,700

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
Total PERSONNEL	479,335	461,271	388,800	409,200
5213 Materials & Supplies	211,999	259,000	259,000	265,000
5215 Tires & Tubes	28,518	30,000	30,000	35,000
5225 Gasoline	140,660	138,600	138,600	145,750
Total MATERIALS & FUELS	381,176	427,600	427,600	445,750
5540 Os - Rental	-	1,200	1,200	2,000
5556 Os - Maintenance	12,589	13,000	13,000	13,000
5560 Application Fees	4,165	7,000	7,000	10,000
Total OUTSIDE SERVICES	16,754	21,200	21,200	25,000
Total RR&R SUPPORT - VEHICLES AND EQUIPMENT	877,264	910,071	837,600	879,950
<i>DISTRICT VEHICLES (NTP)</i>				
5101 Regular Wages	2,740	40,281	37,600	39,600
5105 Overtime Wages	-	500	500	2,000
5109 Benefits	18,568	19,337	18,600	19,500
Total PERSONNEL	21,308	60,118	56,700	61,100
5213 Materials & Supplies	4,312	16,000	16,000	20,000
5215 Tires & Tubes	-	3,000	3,000	3,000
5225 Gasoline	-	-	-	-
Total MATERIALS & FUELS	4,312	19,000	19,000	23,000
Total DISTRICT VEHICLES (NTP)	25,620	79,118	75,700	84,100

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>METROGRO TRANS FARM</i>				
5101 Regular Wages	-	32,421	30,700	32,300
5105 Overtime Wages	-	-	-	-
5109 Benefits	14,942	15,564	15,000	15,700
Total PERSONNEL	14,942	47,985	45,700	48,000
Total METROGRO TRANS FARM	14,942	47,985	45,700	48,000
<i>METROGRO DIST FARM</i>				
5101 Regular Wages	-	37,807	34,200	35,600
5109 Benefits	17,424	18,141	16,200	17,200
Total PERSONNEL	17,424	55,948	50,400	52,800
Total METROGRO DIST FARM	17,424	55,948	50,400	52,800
<i>BUILDING SUPPORT</i>				
5101 Regular Wages	184	-	-	-
Total PERSONNEL	184	-	-	-
5556 Os - Maintenance	28,266	-	-	-
Total OUTSIDE SERVICES	28,266	-	-	-
Total BUILDING SUPPORT	28,450	-	-	-
<i>DISTRICT VEHICLES (NTP)</i>				
5101 Regular Wages	12,973	40,281	37,600	39,600
5109 Benefits	18,568	19,337	18,600	19,500
Total PERSONNEL	31,542	59,618	56,200	59,100
5213 Materials & Supplies	1,466	-	-	-
Total MATERIALS & FUELS	1,466	-	-	-
Total DISTRICT VEHICLES (NTP)	33,007	59,618	56,200	59,100

METRO WASTEWATER RECLAMATION DISTRICT

SUMMARY OF EXPENSES BY ACTIVITY

RESOURCE RECOVERY & REUSE DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
<i>DISTRICT VEHICLES - NTP</i>				
5213 Materials & Supplies	5	-	-	-
Total MATERIALS & FUELS	5	-	-	-
Total DISTRICT VEHICLES-NTP	5	-	-	-
Total MAINTENANCE	3,499,671	3,624,542	3,587,500	3,754,650
Total RR&R	13,312,941	14,461,151	14,300,400	15,098,550

Administrative Services Department

Description of Operations

The Administrative Services Department is responsible for management and operation of Finance, Information Technology (IT), Internal Audit, Office Support, and Procurement. This includes warehousing, records management, and centralized administrative functions.

The Administrative Services Department 2022 Revised Budget decreased by 56.1% compared to the 2022 Budget. The 2023 Budget is decreasing by 54.1% compared to the 2022 Budget. There is an increase in support services due to Insurance Premiums, but the decrease is due to an organizational restructure making Information Technology a stand-alone department.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 7,784,534	\$ 3,037,800	\$ (4,746,734)	\$ 3,196,900	\$ (4,587,634)
Materials & Fuels	553,300	240,200	(313,100)	237,200	(316,100)
Outside Services	2,466,422	449,900	(2,016,522)	426,900	(2,039,522)
Support Expenses	2,256,338	2,011,300	(245,038)	2,131,100	(125,238)
Total Administrative Services	\$ 13,060,594	\$ 5,739,200	\$ (7,321,394)	\$ 5,992,100	\$ (7,068,494)

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2021B/2022B
Total Administrative Services Staff	61.00	31.00	(12.00)	31.00	(11.00)

2021 Highlights

- 6,154 accounts payable payments processed
- AAA Standard & Poor (S&P) and Aa1 Moody's Investor Service bond ratings
- 8,180 connections audited
- Government Finance Officers Association (GFOA) Comprehensive Annual Financial Report (CAFR) Award (34th year)
- 7,656 Purchasing (P) Card transactions (\$2.9 million)
- 2,426 purchase orders (\$40.3 million)
- 190 new stock warehouse items
- 20,849 issued warehouse items (\$2.7 million)
- 6,904 items received (\$3.5 million)

DEPARTMENT SUMMARY

ADMINISTRATIVE SERVICES DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed
BUDGET	246,785	227,341	393,700	412,900
FINANCE	1,769,481	1,745,081	1,413,800	1,446,800
PROCUREMENT	1,817,925	2,161,819	1,960,100	2,045,800
INFORMATION TECHNOLOGY	6,485,865	7,276,353	-	-
INSURANCE	1,854,043	1,650,000	1,971,600	2,086,600
Total ADMINISTRATIVE SERVICES	12,174,099	13,060,594	5,739,200	5,992,100

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY OBJECT

ADMINISTRATIVE SERVICES DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Proposed
PERSONNEL				
5101 REGULAR WAGES	4,714,161	5,177,588	2,040,000	2,143,600
5105 OVERTIME WAGES	11,051	16,100	1,500	1,800
5104 ON-CALL WAGES	120,941	100,800	-	-
5109 BENEFITS	2,354,023	2,485,246	996,300	1,051,500
5110 CAR ALLOWANCE	4,800	4,800	-	-
Total PERSONNEL	7,204,976	7,784,534	3,037,800	3,196,900
MATERIALS & FUELS				
5213 MATERIALS & SUPPLIES	235,112	393,300	80,200	77,200
5220 UNIFORMS	132,149	160,000	160,000	160,000
Total MATERIALS & FUELS	367,261	553,300	240,200	237,200
OUTSIDE SERVICES				
5515 OS - AUDIT	73,000	68,000	68,000	70,000
5520 OS - TRUSTEE	298,937	260,000	315,000	315,000
5540 OS - RENTAL	21,666	3,400	3,400	3,400
5549 OS - OTHER	123,418	167,500	62,500	37,500
5556 OS - MAINTENANCE	1,731,235	1,967,522	1,000	1,000
Total OUTSIDE SERVICES	2,248,256	2,466,422	449,900	426,900
SUPPORT SERVICES				
5610 MEMBERSHIPS	6,347	6,918	3,700	4,100
5615 TELECOMMUNICATIONS	392,425	474,820	-	-
5620 POSTAGE & FREIGHT	6,055	14,000	11,000	11,000
5625 PRINTING & ADVERTISING	1,524	2,800	2,800	2,800
5635 COPYING EXPENSE	101,346	-	-	-
5645 INSURANCE	1,828,744	1,625,000	1,941,600	2,061,600
5685 MEETINGS & CONFERENCES	3,331	44,000	24,900	25,300
5686 TRAINING & DEVELOPMENT	13,214	84,000	26,500	25,500
5687 SUBSCRIPTIONS/PUBLICATIONS	620	4,800	800	800
Total SUPPORT EXPENSES	2,353,606	2,256,338	2,011,300	2,131,100
Total ADMINISTRATIVE SERVICES	12,174,099	13,060,594	5,739,200	5,992,100

Comprehensive Planning Department

Description of Comprehensive Planning

The Comprehensive Planning Department integrates planning, asset management, and business improvement into a single overall comprehensive plan for the organization. The Comprehensive Planning Department is responsible for managing the Metro’s planning and prioritization of its infrastructure investments and necessary improvements to its business processes. This includes administration of the organizational workflow processes and planning workgroups which plan and prioritize the infrastructure and business improvements for the District.

The Comprehensive Planning Department 2022 Revised Budget increased by 4.7% compared to the 2022 Budget, and the 2023 Budget is increasing by 10.9% compared to the 2022 Budget. This is primarily due to an increase in personnel costs.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 900,731	\$ 946,300	\$ 45,569	\$ 994,000	\$ 93,269
Materials & Fuels	8,000	8,000	-	8,000	-
Outside Services	50,000	50,000	-	60,000	10,000
Support Expenses	16,800	16,800	-	19,800	3,000
Total Comprehensive Planning	\$ 975,531	\$ 1,021,100	\$ 45,569	\$ 1,081,800	\$ 106,269

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total Comprehensive Planning Staff	5.00	5.00	-	5.00	-

2021 Highlights

- Completed *ten-year Capital Expenditure Schedule* for the 2023 budget
- Completed rollout of Phase Gates to improve decision-making throughout a project’s lifecycle
- Defined Metro prioritization methodology to be used by planning workgroups
- Guided significant prioritization iterations to support changing infrastructure needs of Metro
- Started implementation of the Asset Management Program
- Began development of asset management governance documents
- Completed hiring process for two Senior Wastewater Infrastructure Planners

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY OBJECT

COMPREHENSIVE PLANNING

2021 Actual 2022 Budget 2022 Revised 2023 Adopted

PERSONNEL

5101	REGULAR WAGES	395,872	605,354	633,100	663,900
5109	BENEFITS	226,702	290,577	308,400	325,300
5110	CAR ALLOWANCE	4,800	4,800	4,800	4,800

Total PERSONNEL		<u>627,374</u>	<u>900,731</u>	<u>946,300</u>	<u>994,000</u>
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MATERIALS & FUELS

5213	MATERIALS & SUPPLIES	382	8,000	8,000	8,000
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Total MATERIALS & FUELS		<u>382</u>	<u>8,000</u>	<u>8,000</u>	<u>8,000</u>
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OUTSIDE SERVICES

5549	OS - OTHER	5,676	50,000	50,000	60,000
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Total OUTSIDE SERVICES		<u>5,676</u>	<u>50,000</u>	<u>50,000</u>	<u>60,000</u>
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SUPPORT SERVICES

5610	MEMBERSHIPS	600	1,800	1,800	1,800
5685	MEETINGS & CONFERENCES	2,310	10,000	10,000	12,000
5686	TRAINING & DEVELOPMENT	868	5,000	5,000	6,000

Total SUPPORT EXPENSES		<u>3,778</u>	<u>16,800</u>	<u>16,800</u>	<u>19,800</u>
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Total COMPREHENSIVE PLANNING		<u>637,210</u>	<u>975,531</u>	<u>1,021,100</u>	<u>1,081,800</u>
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Engineering Department

Description of Operations

The Engineering Department is responsible for delivering Metro’s Capital Project Program. This involves managing the study, design, construction, post-construction, and commissioning Metro’s capital projects including asset condition assessments, permitting, in-house designs, and management of consultant agreements and construction contracts. The Engineering Department also manages the Process Control Systems (PCS) for Metro treatment plants and the Transmission System, Metro’s facility drawings, the Interceptor Management System (IMS) database, the Interceptor Connection Program, and the land/real property management program. The Engineering Department also provides computer assisted drafting (CAD), Building Information Modeling (BIM), Geographical Information System (GIS), and Transmission System hydraulic modeling technical support to Metro.

The Engineering Department 2022 Revised Budget decreased by 1.5% compared to the 2022 Budget, and the 2023 Budget is increasing by 3.5% compared to the 2022 Budget. This is primarily due to an increase in personnel costs.

<i>Budget Summary</i>					
Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 7,670,049	\$ 7,584,800	\$ (85,249)	\$ 7,976,700	\$ 306,651
Materials & Fuels	26,000	15,000	(11,000)	15,000	(11,000)
Outside Services	177,000	170,000	(7,000)	170,000	(7,000)
Support Expenses	95,500	82,500	(13,000)	84,500	(11,000)
Total Engineering	\$ 7,968,549	\$ 7,852,300	\$ (116,249)	\$ 8,246,200	\$ 277,651

<i>Personnel Summary</i>					
	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total Engineering Staff	48.75	48.75	-	48.75	-

<i>2021 Highlights</i>	
<ul style="list-style-type: none"> • 8 study projects managed • 8 design projects managed • 28 construction projects managed • 1 post-construction project managed • 13 implementation projects managed • 6 Construction Management-At-Risk (CMAR) projects managed 	<ul style="list-style-type: none"> • \$100 million in capital project expenditures • 18,469 linear feet of interceptors rehabilitated • 550 outside-agency plan reviews completed • 9 connection requests approved • 10 easements acquired on the Transmission System

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY OBJECT

ENGINEERING DEPARTMENT

		2021 Actual	2022 Budget	2022 Revised	2023 Adopted
PERSONNEL					
5101	REGULAR WAGES	4,900,112	5,138,115	5,057,000	5,311,100
5105	OVERTIME WAGES	15,681	15,850	12,000	12,000
5104	ON-CALL WAGES	39,066	30,000	45,000	45,000
5103	TEMPORARY WAGES	-	15,000	-	-
5109	BENEFITS	2,333,843	2,466,284	2,466,000	2,603,800
5110	CAR ALLOWANCE	4,800	4,800	4,800	4,800
	Total PERSONNEL	7,293,502	7,670,049	7,584,800	7,976,700
MATERIALS & FUELS					
5213	MATERIALS & SUPPLIES	16,056	26,000	15,000	15,000
	Total MATERIALS & FUELS	16,056	26,000	15,000	15,000
OUTSIDE SERVICES					
5530	OS - ENGINEERING	37,711	145,000	140,000	140,000
5549	OS - OTHER	32,646	30,000	25,000	25,000
5556	OS - MAINTENANCE	10,067	2,000	5,000	5,000
	Total OUTSIDE SERVICES	80,424	177,000	170,000	170,000
SUPPORT SERVICES					
5610	MEMBERSHIPS	1,482	3,500	3,500	3,500
5685	MEETINGS & CONFERENCES	7,438	37,500	35,000	35,000
5686	TRAINING & DEVELOPMENT	34,537	48,000	40,000	40,000
5687	SUBSCRIPTIONS/PUBLICATIONS	5,584	6,500	4,000	6,000
	Total SUPPORT EXPENSES	49,041	95,500	82,500	84,500
	Total ENGINEERING	7,439,023	7,968,549	7,852,300	8,246,200

Environmental Services Department

Description of Operations

The Environmental Services Department includes the Regulatory Affairs Division, Industrial Pretreatment Division, Laboratory Services Division, and the Water Quality Division. Together these teams are responsible for developing, implementing, and managing Metro’s environmental regulatory compliance programs, for conducting compliance, Annual Charge, process control, pilot project and ambient stream/lake/groundwater sampling, for analyzing process control, pilot project and Annual Charge samples, for representing Metro in state and federal stakeholder and formal hearing processes, and for providing other analytical, regulatory and technical support services across Metro.

The Environmental Services Department 2022 Revised Budget decreased by 6.4% compared to the 2022 Budget. The 2023 Budget is decreasing by .7% compared to the 2022 Budget. These changes are due to the In-Line and Lab Support responsibilities moving from Environmental Services to Technology & Innovation.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 10,164,800	\$ 9,400,833	\$ (763,967)	\$ 10,005,088	\$ (159,712)
Materials & Fuels	1,233,826	1,005,545	(228,281)	1,054,122	(179,704)
Outside Services	1,089,065	1,259,993	170,928	1,319,299	230,234
Support Expenses	165,093	180,887	15,794	186,866	21,773
Total Environmental Services	\$ 12,652,784	\$ 11,847,258	\$ (805,526)	\$ 12,565,375	\$ (87,409)

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2021B/2022B
Total Environmental Services Staff	90.00	78.00	(12.00)	79.00	(11.00)

2021 Highlights

- 201 industrial pretreatment inspections
- Water Quality Monitoring
 - 4 lakes
 - 1 storm water site
 - 21 stream sites
 - 9 S. Platte River Nutrient Study sites
 - 20 groundwater monitoring sites
 - 14 biological sites
- Participation in multiple state stakeholder processes and hearings for air and water quality regulations.
- Metro collaborated with other stakeholders and the Air Pollution Control Division (APCD) regarding its proposed *Employee Traffic Reduction Program*.
- Successfully completed an ES Priority Initiative *Lab Chemicals and Waste Handling, Storage, and Disposal Evaluation*.

DEPARTMENT SUMMARY

ENVIRONMENTAL SERVICES DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
ES MANAGEMENT	254,951	393,152	417,835	442,512
LABORATORY SERVICES	6,859,527	7,366,052	5,946,700	6,220,614
WATER QUALITY	709,209	1,074,982	1,089,434	1,234,675
REGULATORY AFFAIRS	944,866	1,015,599	1,513,085	1,637,824
INDUSTRIAL PRETREATMENT & SAMPLING SERVICES	2,609,754	2,802,999	2,880,204	3,029,750
Total ENVIRONMENTAL SERVICES	11,378,307	12,652,784	11,847,258	12,565,375

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY OBJECT

ENVIRONMENTAL SERVICES DEPARTMENT

		2021 Actual	2022 Budget	2022 Revised	2023 Adopted
PERSONNEL					
5101	REGULAR WAGES	6,370,203	6,736,097	6,168,200	6,547,100
5104	ON-CALL WAGES	25,113	9,500	10,450	11,495
5105	OVERTIME WAGES	212,697	181,127	194,183	208,293
5108	EMPLOYEE INCENTIVE PAY	-	-	15,000	25,000
5109	BENEFITS	3,072,863	3,233,276	3,008,200	3,208,400
5110	CAR ALLOWANCE	4,800	4,800	4,800	4,800
	Total PERSONNEL	9,685,676	10,164,800	9,400,833	10,005,088
MATERIALS & FUELS					
5213	MATERIALS & SUPPLIES	1,032,681	1,233,826	1,005,545	1,054,122
	Total MATERIALS & FUELS	1,032,681	1,233,826	1,005,545	1,054,122
OUTSIDE SERVICES					
5549	OS - OTHER	366,831	740,578	810,534	830,589
5556	OS - MAINTENANCE	181,131	278,077	298,097	321,348
5565	REGULATORY FEES	60,337	70,410	151,362	167,362
	Total OUTSIDE SERVICES	608,299	1,089,065	1,259,993	1,319,299
SUPPORT SERVICES					
5610	MEMBERSHIPS	6,578	12,509	11,642	12,008
5625	PRINTING & ADVERTISING	360	6,900	4,000	4,000
5685	MEETINGS & CONFERENCES	25,063	102,513	100,672	104,866
5686	TRAINING & DEVELOPMENT	10,767	33,313	51,755	52,296
5687	SUBSCRIPTIONS/PUBLICATIONS	8,883	9,858	12,818	13,696
	Total SUPPORT EXPENSES	51,651	165,093	180,887	186,866
	Total ENVIRONMENTAL SERVICES	11,378,307	12,652,784	11,847,258	12,565,375

Human Resources Department

Description of Operations

The Human Resources Department provides benefits administration; compensation, employee relations, employment, and human resource consulting; training and development; and environmental health and safety programs for all Metro departments and employees.

The Human Resources Department 2022 Revised Budget increased by 10.3% compared to the 2022 Budget. The 2023 Budget is increasing by 13.4% compared to the 2022 Budget. This is due to an increase in personnel costs and support services related to company wide training.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 1,626,308	\$ 1,835,250	\$ 208,942	\$ 1,929,150	\$ 302,842
Materials & Fuels	65,000	65,000	-	65,000	-
Outside Services	200,800	188,300	(12,500)	179,000	(21,800)
Support Expenses	559,750	615,850	56,100	606,700	46,950
Total Human Resources	\$ 2,451,858	\$ 2,704,400	\$ 252,542	\$ 2,779,850	\$ 327,992

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total Human Resources Staff	12.00	13.00	1.00	13.00	1.00

2021 Highlights

- Continued COVID-19 monitoring and support; developed a Remote Work Policy
- 115 Positions Filled - 50% internally
- Revamped new employee orientation programming starting with day zero, when offer is accepted
- Rolled out comprehensive performance management cycle including mid-year and year-end Performance appraisals, Development Discussions and Stay Interviews.
- Dynamic Safety Program completed design of 25 necessary programs, and began implementation of each of them.
- Wellness program recognized by the American Heart Association, University of Colorado Anschutz Medical Campus, Cigna and Denver's Healthiest Employers by the Denver Business Journal

METRO WATER RECOVERY
DEPARTMENT SUMMARY

HUMAN RESOURCES DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
EMPLOYMENT, TRAINING, & COMPENSATION SERVICES	1,951,907	1,939,441	2,186,350	2,253,000
ENVIRONMENTAL HEALTH & SAFETY	422,948	512,417	518,050	526,850
Total HUMAN RESOURCES	2,374,855	2,451,858	2,704,400	2,779,850

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY OBJECT

HUMAN RESOURCES DEPARTMENT

		2021 Actual	2022 Budget	2022 Revised	2023 Adopted
PERSONNEL					
5101	REGULAR WAGES	1,103,728	1,094,765	1,229,500	1,290,600
5105	OVERTIME WAGES	377	1,250	1,250	1,250
5109	BENEFITS	504,633	525,493	599,700	632,500
5110	CAR ALLOWANCE	4,800	4,800	4,800	4,800
	Total PERSONNEL	1,613,538	1,626,308	1,835,250	1,929,150
MATERIALS & FUELS					
5213	MATERIALS & SUPPLIES	43,274	65,000	65,000	65,000
	Total MATERIALS & FUELS	43,274	65,000	65,000	65,000
OUTSIDE SERVICES					
5549	OS - OTHER	179,992	186,800	174,300	157,000
5556	OS - MAINTENANCE	8,752	14,000	14,000	22,000
	Total OUTSIDE SERVICES	188,744	200,800	188,300	179,000
SUPPORT SERVICES					
5610	MEMBERSHIPS	3,585	5,950	5,950	5,950
5625	PRINTING & ADVERTISING	38,328	42,600	55,000	57,000
5655	EMPLOYEE TUITION REIMBURSEMENT	34,888	45,000	45,000	45,000
5656	EMPLOYEE EVENTS	84,237	81,650	88,300	97,150
5657	HEALTH & FITNESS	49,336	45,000	45,000	45,000
5658	RECOGNITION	115,742	120,500	133,000	133,000
5659	DISTRICT-WIDE TRAINING	159,343	137,500	160,000	150,000
5685	MEETINGS & CONFERENCES	8,102	26,600	26,600	26,600
5686	TRAINING & DEVELOPMENT	9,854	29,500	29,000	21,500
5687	SUBSCRIPTIONS/PUBLICATIONS	25,884	25,450	28,000	25,500
	Total SUPPORT EXPENSES	529,299	559,750	615,850	606,700
	Total HUMAN RESOURCES	2,374,855	2,451,858	2,704,400	2,779,850

Information Technology Department

Description of Operations

The Information Technology Department is responsible for the development and management of Infrastructure & Cybersecurity, IT Applications Analytics & Integration, IT Service Delivery, Business Analytics, and Records Management.

Due to organizational restructuring, the Information Technology Department is now a stand-alone department. The 2022 Revised and 2023 Budget as compared to the 2022 Budget includes an increase to personnel and outside services.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ -	\$ 4,782,000	\$ 4,782,000	\$ 5,327,300	\$ 5,327,300
Materials & Fuels	-	300,000	300,000	300,000	300,000
Outside Services	-	2,394,911	2,394,911	2,527,280	2,527,280
Support Expenses	-	782,895	782,895	782,895	782,895
Total Administrative Services	\$ -	\$ 8,259,806	\$ 8,259,806	\$ 8,937,475	\$ 8,937,475

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total Administrative Services Staff	-	29.00	(29.00)	31.00	(31.00)

2021 Highlights

- 6,277 IT Services Requests Opened
- Printer Services Unified
- Migrated to O365
- Completed organization wide cybersecurity training.
- 14,413 electronic records filed
- 14 Colorado Open Records Act (CORA) requests were completed

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY OBJECT

INFORMATION TECHNOLOGY DEPARTMENT

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
PERSONNEL				
5101 REGULAR WAGES	-	-	3,120,800	3,481,900
5105 OVERTIME WAGES	-	-	9,600	9,600
5104 ON-CALL WAGES	-	-	125,000	125,000
5109 BENEFITS	-	-	1,521,800	1,706,000
5110 CAR ALLOWANCE	-	-	4,800	4,800
Total PERSONNEL	-	-	4,782,000	5,327,300
MATERIALS & FUELS				
5213 MATERIALS & SUPPLIES	-	-	300,000	300,000
Total MATERIALS & FUELS	-	-	300,000	300,000
OUTSIDE SERVICES				
5549 OS - OTHER	-	-	100,000	100,000
5556 OS - MAINTENANCE	-	-	2,294,911	2,427,280
Total OUTSIDE SERVICES	-	-	2,394,911	2,527,280
SUPPORT SERVICES				
5610 MEMBERSHIPS	-	-	1,895	1,895
5615 TELECOMMUNICATIONS	-	-	486,000	486,000
5685 MEETINGS & CONFERENCES	-	-	48,500	48,500
5686 TRAINING & DEVELOPMENT	-	-	106,000	106,000
5687 SUBSCRIPTIONS/PUBLICATIONS	-	-	500	500
Total SUPPORT EXPENSES	-	-	782,895	782,895
Total INFORMATION TECHNOLOGY	-	-	8,259,806	8,937,475

Office of the General Counsel

Description of Operations

The Office of the General Counsel is responsible for managing the legal needs and providing advice to the District. In addition, the Office of the General Counsel coordinates and oversees outside legal counsel working on behalf of the District.

The Office of the General Counsel 2022 Revised Budget increased by 2.7% compared to the 2022 Budget. The 2023 Budget is increasing by 49.1% compared to the 2022 Budget. This budget increase due to the increase in outside services.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 582,986	\$ 607,900	\$ 24,914	\$ 639,200	\$ 56,214
Materials & Fuels	700	700	-	700	-
Outside Services	450,000	450,000	-	900,000	450,000
Support Expenses	23,575	27,200	3,625	36,200	12,625
Total Office of General Counsel	\$ 1,057,261	\$ 1,085,800	\$ 28,539	\$ 1,576,100	\$ 518,839

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total Office of the General Counsel Staff	3.00	3.00	-	3.00	-

METRO WATER RECOVERY
SUMMARY OF EXPENSES BY OBJECT

OFFICE OF THE GENERAL COUNSEL

		2021 Actual	2022 Budget	2022 Revised	2023 Adopted
DETAIL					
PERSONNEL					
5101	REGULAR WAGES	307,117	390,670	405,300	426,000
5109	BENEFITS	180,079	187,516	197,800	208,400
5110	CAR ALLOWANCE	4,800	4,800	4,800	4,800
Total PERSONNEL		491,996	582,986	607,900	639,200
MATERIALS & FUELS					
5213	MATERIALS & SUPPLIES	3,286	700	700	700
Total MATERIALS & FUELS		3,286	700	700	700
OUTSIDE SERVICES					
5525	OS - LEGAL	157,359	450,000	450,000	500,000
5549	OS - OTHER	325	-	-	400,000
Total OUTSIDE SERVICES		157,684	450,000	450,000	900,000
SUPPORT SERVICES					
5610	MEMBERSHIPS	3,430	2,575	5,200	5,200
5685	MEETINGS & CONFERENCES	7,583	9,000	9,000	15,000
5686	TRAINING & DEVELOPMENT	3,721	1,000	2,000	2,000
5687	SUBSCRIPTIONS/PUBLICATIONS	10,468	11,000	11,000	14,000
Total SUPPORT EXPENSES		25,202	23,575	27,200	36,200
Total OFFICE OF THE GENERAL COUNSEL		678,168	1,057,261	1,085,800	1,576,100

Office of the CEO

Description of Operations

The Chief Executive Office is responsible for ensuring the mission of Metro Water Recovery is achieved by leading the Executive Leadership and Senior Management Teams.

The Office of the CEO is the point of contact for the 39-member Board of Directors. It provides information for executive-level and Board decision making and organizes monthly Standing Committee, Board, and Special Purpose meetings.

The Office of the CEO 2022 Revised Budget increased by 64.5% compared to the 2022 Budget. The 2023 Budget is increasing by 72.9% compared to the 2022 Budget. These changes are due to the Executive Leadership responsibilities moving to Office of the CEO.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 942,764	\$ 1,557,600	\$ 614,836	\$ 1,635,500	\$ 692,736
Materials & Fuels	12,600	27,600	15,000	27,600	15,000
Outside Services	180,000	385,000	205,000	385,000	205,000
Support Expenses	276,375	352,575	76,200	392,575	116,200
Total Office of the CEO	\$ 1,411,739	\$ 2,322,775	\$ 911,036	\$ 2,440,675	\$ 1,028,936

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total Office of the CEO Staff	5.00	7.00	2.00	7.00	2.00

2021 Highlights

- 12 Board of Directors Meetings
- 24 Standing Committee Meetings
- 12 Officers Meetings
- 12 Executive Committee Meetings
- 3 Special Purpose Committee Meetings
- 8 Retirement Board Meetings
- 2 Semiannual Board Workshop
- 1 Budget Workshop
- 23 Senior Management Team Meetings
- 1 New Director Orientation
- 12 Steering Committee Meetings
- 2 Town Halls

METRO WATER RECOVERY

DEPARTMENT SUMMARY

OFFICE OF THE CEO

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
OFFICE OF THE CEO	1,070,675	1,293,739	2,204,775	2,322,675
BOARD OF DIRECTORS/RETIREMENT BOARD	104,653	118,000	118,000	118,000
Total OFFICE OF THE CEO	1,175,328	1,411,739	2,322,775	2,440,675

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY OBJECT

OFFICE OF THE CEO

		2021 Actual	2022 Budget	2022 Revised	2023 Adopted
PERSONNEL					
5101	REGULAR WAGES	537,720	628,085	1,031,400	1,082,500
5109	BENEFITS	289,520	301,479	503,400	530,200
5110	CAR ALLOWANCE	10,600	13,200	22,800	22,800
Total PERSONNEL		837,840	942,764	1,557,600	1,635,500
MATERIALS & FUELS					
5213	MATERIALS & SUPPLIES	1,624	12,600	27,600	27,600
Total MATERIALS & FUELS		1,624	12,600	27,600	27,600
OUTSIDE SERVICES					
5549	OS - OTHER	1,135	100,000	305,000	305,000
5570	DIRECTORS ALLOWANCE	76,250	80,000	80,000	80,000
Total OUTSIDE SERVICES		77,385	180,000	385,000	385,000
SUPPORT SERVICES					
5610	MEMBERSHIPS	212,532	202,375	213,575	253,575
5660	CATERING SERVICES	21,555	22,000	22,000	22,000
5685	MEETINGS & CONFERENCES	19,337	50,000	100,000	100,000
5686	TRAINING & DEVELOPMENT	5,055	2,000	17,000	17,000
Total SUPPORT EXPENSES		258,479	276,375	352,575	392,575
Total OFFICE OF THE CEO		1,175,328	1,411,739	2,322,775	2,440,675

Strategy and Communications Department

Description of Operations

The Strategy and Communication Department (StratComm) is responsible for the organization’s strategic plan implementation, internal communication, digital presence, public information and education, government affairs, and continuous improvement programs.

StratComm is the point of contact for 60 member municipalities and special connectors. It is responsible for developing engagement strategies for connectors, employees, general public, and legislators, including public education programs and monitoring Colorado General Assembly decision making. StratComm is responsible for the program development and management of continuous improvement as prioritized by the strategic and enterprise plans.

The StratComm 2022 Revised Budget increased 15.8% as compared to the 2022 Budget. The 2023 Budget is increasing by 28.9% compared to the 2022 Budget. This is due to an increase in personnel, outside services, and support services for lobbying efforts and training.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 1,299,415	\$ 1,460,500	\$ 161,085	\$ 1,657,400	\$ 357,985
Materials & Fuels	8,500	9,000	500	9,500	1,000
Outside Services	114,000	169,996	55,996	170,000	56,000
Support Expenses	51,500	66,100	14,600	62,300	10,800
Total Strategy & Communication	\$ 1,473,415	\$ 1,705,596	\$ 232,181	\$ 1,899,200	\$ 425,785

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total Strategy & Communication	9.00	10.00	1.00	11.00	2.00

2021 Highlights

- Coordinated Second Creek virtual groundbreaking and subsequent news stories
- Hosted two Boy Scout tours, participated in Denver Urban Water Cycle virtual bike tour, and sponsored a Bike to Work Day booth at RWHTF
- 170 public inquiry responses managed
- 25 Continuous Improvement (CI) Program projects prioritized
- 8 new CI project business case evaluations developed
- Launched new Metro Water Recovery brand, including new website
- 51 The Flow newsletters developed
- 16 internal videos created resulting in 678 views
- 68 original Facebook posts resulting in 167 new followers
- 48 original LinkedIn page updates resulting in 192 new followers (758 total)
- 4 The Connector newsletters developed
- 23 bills tracked for 2021 regular session

METRO WATER RECOVERY

DEPARTMENT SUMMARY

STRATEGY AND COMMUNICATION

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
CONTINUOUS IMPROVEMENT	374,086	366,592	547,450	566,750
INTERNAL COMMUNICATIONS	366,451	576,577	454,650	599,650
PUBLIC INFORMATION & EDUCATION	292,550	296,388	480,846	500,650
GOVERNMENT AFFAIRS	177,678	233,858	222,650	232,150
Total STRATEGY AND COMMUNICATION	1,210,765	1,473,415	1,705,596	1,899,200

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY OBJECT

STRATEGY AND COMMUNICATION

	2021 Actual	2022 Budget	2022 Revised	2023 Adopted
PERSONNEL				
5101 REGULAR WAGES	759,176	874,739	978,600	1,109,100
5109 BENEFITS	368,550	419,876	477,100	543,500
5110 CAR ALLOWANCE	4,800	4,800	4,800	4,800
Total PERSONNEL	1,132,526	1,299,415	1,460,500	1,657,400
MATERIALS & FUELS				
5213 MATERIALS & SUPPLIES	3,145	8,500	9,000	9,500
Total MATERIALS & FUELS	3,145	8,500	9,000	9,500
OUTSIDE SERVICES				
5549 OS - OTHER	66,944	114,000	169,996	170,000
Total OUTSIDE SERVICES	66,944	114,000	169,996	170,000
SUPPORT SERVICES				
5610 MEMBERSHIPS	1,898	2,300	2,750	2,750
5685 MEETINGS & CONFERENCES	3,441	27,950	34,200	37,200
5686 TRAINING & DEVELOPMENT	-	19,500	27,000	20,000
5687 SUBSCRIPTIONS/PUBLICATIONS	2,811	1,750	2,150	2,350
Total SUPPORT EXPENSES	8,150	51,500	66,100	62,300
Total STRATEGY AND COMMUNICATION	1,210,765	1,473,415	1,705,596	1,899,200

Technology and Innovation Department

Description of Operations

The Technology and Innovation Department (TID) comprises groups of specialists in instrumentation, laboratory and analysis methods, data analytics, and process engineering. The staff provide technical assistance in the areas of data collection and utilization, treatment process optimization, and technology adoption and application. To these means, the Department collaborates with partner utilities, academics, and subject matter experts to study, understand, and implement emerging technologies and practices. To mitigate risk while applying newer practices and systems, the Department manages and executes research and pilot testing to validate solutions and establish design criteria prior to implementation.

The Technology and Innovation Department 2022 Revised Budget increased by 108.8% compared to the 2022 Budget. The 2023 Budget is increasing by 129.6% compared to the 2022 Budget. These changes are due to the In-Line and Lab Support responsibilities moving from Environmental Services to Technology and Innovation, primarily impacted personnel and materials and supplies.

Budget Summary

Category	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Personnel	\$ 1,432,599	\$ 2,981,400	\$ 1,548,801	\$ 3,335,899	\$ 1,903,300
Materials & Fuels	46,000	346,974	300,974	346,974	300,974
Outside Services	230,000	255,000	25,000	255,000	25,000
Support Expenses	37,600	63,099	25,499	71,753	34,153
Total Technology & Innovation	\$ 1,746,199	\$ 3,646,473	\$ 1,900,274	\$ 4,009,626	\$ 2,263,427

Personnel Summary

	2022 Budget	2022 Revised	Variance 2022B/2022R	2023 Budget	Variance 2022B/2023B
Total Technology & Innovation Staff	8.00	21.00	13.00	22.00	14.00

2021 Highlights

- Support of two per- and polyfluoroalkyl substances (PFAS) focused Water Research Foundation (WRF) studies to further industry understanding of source, fate, and transport of these contaminants of concern
- Conducted thickening centrifuge pilot to evaluate future technology alternatives to dissolve air flotation for WAS thickening as equipment reaches the end of useful life
- Initiated effort to improve workflow for additions and modifications of instrumentation
- Utilization of Altyrx data blending and analysis tool to auto generate discharge monitoring reports
- Conducted study to determine approach to temperature regulations at NTP
- Continued evaluation of sludge densification to achieve low-cost increase in secondary treatment capacity at RWHTF and improve water quality
- Initiated development of in-house qPCR

METRO WATER RECOVERY

SUMMARY OF EXPENSES BY OBJECT

TECHNOLOGY AND INNOVATION

		2021 Actual	2022 Budget	2022 Revised	2023 Approved
ACCOUNT					
PERSONNEL					
5101	REGULAR WAGES	965,160	917,427	1,950,600	2,185,000
5105	OVERTIME WAGES	446	-	-	-
5106	INTERN WAGES	48,210	70,000	75,000	75,000
5109	BENEFITS	422,892	440,372	951,000	1,071,099
5110	CAR ALLOWANCE	4,800	4,800	4,800	4,800
Total PERSONNEL		1,441,508	1,432,599	2,981,400	3,335,899
MATERIALS & FUELS					
5213	MATERIALS & SUPPLIES	29,350	46,000	346,974	346,974
Total MATERIALS & FUELS		29,350	46,000	346,974	346,974
OUTSIDE SERVICES					
5549	OS - OTHER	109,239	230,000	230,000	230,000
5556	OS - MAINTENANCE	-	-	25,000	25,000
Total OUTSIDE SERVICES		109,239	230,000	255,000	255,000
SUPPORT SERVICES					
5610	MEMBERSHIPS	1,760	2,600	4,753	4,753
5685	MEETINGS & CONFERENCES	18,551	30,000	47,346	50,000
5686	TRAINING & DEVELOPMENT	1,636	5,000	10,000	15,000
5687	SUBSCRIPTIONS/PUBLICATIONS	40	-	1,000	2,000
Total SUPPORT EXPENSES		21,987	37,600	63,099	71,753
Total TECHNOLOGY AND INNOVATION		1,602,084	1,746,199	3,646,473	4,009,626

**CHANGES IN TRUST FUND BALANCE
2022 and 2023**

General Fund

	2022		2023
	<u>Budget</u>	<u>Revised</u>	<u>Adopted</u>
BALANCE, January 1	\$ 168,876,130	217,504,051	186,487,759
Investment Income	1,688,761	4,350,081	1,864,878
TRANSFER (TO)/FROM OTHER FUNDS			
O&M Revenue Fund	20,230,711	18,002,721	17,143,487
Investment Income to O&M Revenue Fund	(1,688,761)	(4,350,081)	(1,864,878)
F/A Replacement Fund	(41,937,500)	(61,013,500)	(61,213,050)
Capital Project Account	(8,263,589)	11,994,487	(5,102,252)
NET FUND TRANSFERS	<u>(31,659,139)</u>	<u>(35,366,373)</u>	<u>(51,036,693)</u>
BALANCE, December 31	\$ 138,905,752	186,487,759	137,315,944

**CHANGES IN TRUST FUND BALANCE
2022 and 2023**

Capital Project Account

	2022		2023
	Budget	Revised	Adopted
BALANCE, January 1	\$ -	-	-
TRANSFERS:			
Sewer Connection Charge Fund Transfer	14,456,412	27,570,487	28,003,748
Future Transfers (to) from General Fund	8,263,588	(11,994,487)	5,102,252
TOTAL TRANSFERS	<u>22,720,000</u>	<u>15,576,000</u>	<u>33,106,000</u>
DISBURSEMENTS:			
Small Projects	(1,000,000)	(750,000)	(1,500,000)
Denver Water Lead Pipe Participation OCCT	(750,000)	(750,000)	(750,000)
Capital Projects	(20,970,000)	(14,076,000)	(30,856,000)
TOTAL DISBURSEMENTS	<u>(22,720,000)</u>	<u>(15,576,000)</u>	<u>(33,106,000)</u>
BALANCE, December 31	<u><u>\$ -</u></u>	<u><u>-</u></u>	<u><u>-</u></u>

GENERAL FUND - CAPITAL EXPENDITURES
2022 AND 2023

	PAR #	DESCRIPTION	2022	2023
43	1088	NTP Facilities	301,587	300,088
98	1411	North Secondary Upgrades & Intensification	-	1,286,076
123		Aquatic Life/Habitat Improvements - Phase V	52,500	273,750
170	1235	RR&R Maintenance Shop Expansion and Relocati	340,991	126,671
258		Facility Plan Update - Future	75,000	928,125
377		Land Acquisition RWHTF	-	92,500
380	1212	Plant Water Chlorinated Increase Pipe Diameters	161,755	-
412	1225	SP Headworks and Grease Processing Improvem	61,886	70,958
426	1182	Suncor Mgmt of Air Quality/Soil Contamination	71,139	30,000
479	1232	Second Creek Int and Sand Creek Int Sys Imp	-	1,760,306
481	1239	Transmission System Modeling / Permanent Flow	55,882	-
496	1280	Struvite Reduction and Dewaterability Improvemer	75,205	-
497	1244	Solids Processing Building Improvements and Fixe	3,030,735	2,103,944
505	1265	Electrical Transmission Service Substation	2,312,201	5,586,092
509		Gravity Thickener and Primary Sludge Screening E	1,163,250	-
550		TSB Relocation	1,125,000	130,500
583	1333	TU-8 Load Center & Transformer Replacement	-	26,385
605	1314	RWHTF Peracetic Acid Project	-	171,112
638		Delgany Interceptor System Odor Control	-	187,500
644	1395	Cogeneration Equipment Replacement	6,530,625	9,376,032
655	1353	TSB Annex and Lab Storage Repurpose	136,519	21,819
658		NTP Supplemental Improvements	337,500	187,500
664	1356	Property Acquisition Near RWHTF 2019-2022	372,602	70,773
665	1359	Evaluate and Enhance Metro District's Brand Ident	-	11,065
666	1357	Blower No. 8 Replacement	20,260	17,836
673		Solids Improvement Evaluation	140,625	119,913
694		Grouped IT Infrastructure	168,750	172,500
695		Grouped IT Customer Experience	140,625	144,375
697		West Blower Switchgear Replacement	175,500	-
707	1400	RWHTF Peracetic Acid Project 2	4,387,500	6,271,886
713	1403	Continuous Improvement Framework	-	56,250
719	1402	Ditch Compaines Kitigation	-	13,592
724		NTP Effluent Temperature	-	2,097,563
726		2022 Strategic Plan Update	-	56,250
422		Future Process Optimization Efforts	140,625	140,625
645	1374	Facilities Maintenance Satelite Facility Improveme	22,500	22,500
647		Adjustable Rack System	62,500	-
686		Support Facilities Evaluation	126,563	50,710
541	1373	Innovation and Research Initiatives - Future	33,300	30,487
696	1375	Transformer and ArcFlash Reduction Maintenance	28,125	15,380
698	1386	Legal One	56,250	48,711
699	1376	Legal Laboratory Audit	56,250	56,250
679	1385	NTP Post Start-Up Evaluation	56,250	90,835
700	1387	Legal Two	56,250	54,716
705	1390	Aeration Control Strategy Review and Implementa	93,750	56,250
710	1398	Effluent Temperature Compliance Study	-	46,959
722	1410	Process Optimization 2021	-	51,217
Total General Fund - Capital Expenditures			21,970,000	32,356,000

**CHANGES IN TRUST FUND BALANCE
2022 and 2023**

Fixed Asset Replacement Fund

	2022		2023
	Budget	Revised	Adopted
BALANCE, January 1	\$ -	-	-
RECEIPTS:			
Investment Income	-	-	-
TOTAL RECEIPTS	<u>-</u>	<u>-</u>	<u>-</u>
DISBURSEMENTS:			
Capital Projects - Renewals & Replacements	(40,685,000)	(59,463,000)	(58,703,000)
Small FARF Projects	-	-	(1,000,000)
Replacement Equipment & Vehicles ≥ \$250,000	(300,000)	(300,000)	(450,000)
Replacement Equipment & Vehicles ≤ \$250,000	(952,500)	(1,250,500)	(1,060,050)
TOTAL DISBURSEMENTS	<u>(41,937,500)</u>	<u>(61,013,500)</u>	<u>(61,213,050)</u>
TRANSFERS (TO)/FROM OTHER FUNDS			
General Fund	40,685,000	59,463,000	59,703,000
Replacement Equipment & Vehicles	1,252,500	1,550,500	1,510,050
NET FUND TRANSFERS	<u>41,937,500</u>	<u>61,013,500</u>	<u>61,213,050</u>
BALANCE, December 31	<u>\$ -</u>	<u>-</u>	<u>-</u>

FIXED ASSET REPLACEMENT FUND - CAPITAL EXPENDITURES
2022 AND 2023

PAR #	DESCRIPTION	2022	2023
96	NS Aeration Basin Fixed Assets Replacement	135,000	-
98	NS Blower and Aeration Improvements	580,500	11,574,776
170	1235 RWHTF Support Facility Upgrade	146,139	54,288
318	Underground Conduit Investigation - Future Studie	62,500	434,531
367	1259 Digester Complex Rehabilitation	680,102	140,931
380	1212 Plant Water Chlorinated Increase Pipe Diameters	17,973	-
412	1225 SP Headworks and Grease Processing Improvem	144,400	165,568
440	1382 North Complex Natural Gas	712,500	375,000
442	1202 HID Lighting Improvements	252,440	63,013
486	1369 TSB Internal Improvements and Fixed Assets Rep	227,813	193,228
497	1244 Solids Processing Building Improvements and Fixe	4,546,102	3,155,916
499	1368 Cogen Rehabilitation and Management	30,658	30,658
505	1265 Electrical Transmission Service Substation	4,294,671	10,374,171
509	Gravity Thickener and Primary Sludge Screening f	74,250	-
550	TSB Relocation	750,000	87,000
583	1333 Transformer 8 Replacement	334,778	61,564
593	1340 Force Main and Siphon Condition Assessment	2,691,545	1,515,530
600	1309 Payroll and Human Resources Software Upgrade	25,562	94,481
602	1312 Lift Station Improvements (Thornton-N Washingto	8,055,387	7,143,016
612	1325 Diversion and Metering Facilities Grating Conditor	614,966	300,899
618	1332 Interceptor Rehabilitation 2018-2019	25,000	
635	1343 National Western Center Delgany Interceptor Relo	3,140,299	196,835
657	Annual FARS Priorities	4,218,750	3,645,000
658	NTP Supplemental Improvements	337,500	187,500
668	1392 RWHTF HVAC High Priority Improvements	564,375	771,058
674	1363 Interceptor Rehabilitation 2020-2022	7,060,500	14,292,169
685	1364 ITInfr_District Wireless Infrastructure	49,186	258,341
694	Grouped IT Infrastructure	168,750	172,500
695	Grouped IT Customer Experience	140,625	144,375
701	1379 2020 Annual FARS Priorities	308,706	2,937,451
712	1396 NTP Pri Clarifier Cover Damage	-	100,000
716	1406 IT Infrastructure 2021	-	16,541
718	EAM Business Process and Mobile	-	506,250
720	1408 10-Inch Potable Water Line Replacement	-	306,866
721	1409 IT Customer Experience 2021	-	84,375
462	1391 Boardroom Audio Visual Refresh	93,750	11,928
538	1271 RWHTF Electric Gate Actuators	15,350	-
625	1350 Radio System Upgrade	15,612	15,612
645	1374 Facilities Maintenance Satelite Facility Improveme	33,750	33,750
690	CCTV Security Video Quality Improvements	45,000	-
696	1375 Transformer and ArcFlash Reduction Maintenance	28,125	15,379
684	1362 Security Gates Replacement at Hite	37,436	-
687	1372 Pretreatment Database (PIMs) Replacement	25,000	17,500
715	1405 Asset Management Implementation	-	56,250
723	1412 Admin Office Remodel 2021-2022	-	56,250
	Maintenance Equipment Organization	-	56,250
	Transmission System Gates	-	56,250
Total Fixed Asset Replacement Fund		40,685,000	59,703,000

**CHANGES IN TRUST FUND BALANCE
2022 and 2023**

Acquisition & Construction Fund

	2022		2023
	Budget	Revised	Adopted
BALANCE, January 1	\$ 106,140,985	112,753,594	53,498,187
RECEIPTS			
Bond Proceeds	-	-	-
Investment Income	765,310	414,593	354,482
TOTAL RECEIPTS	765,310	414,593	354,482
DISBURSEMENTS:			
Planned Project Expenditures	(59,220,000)	(59,670,000)	(36,100,000)
Bond Issuance Costs	-	-	-
TOTAL DISBURSEMENTS	(59,220,000)	(59,670,000)	(36,100,000)
 BALANCE, December 31	 \$ 47,686,295	 53,498,187	 17,752,669

ACQUISITION CONSTRUCTION FUND - CAPITAL EXPENDITURES
2022 AND 2023

PAR #	DESCRIPTION	2022	2023
479	1232 Second Creek Int and Sand Creek Int Sys Imp	59,220,000	36,100,000
Total Acquisition & Construction Fund		59,220,000	36,100,000

**CHANGES IN TRUST FUND BALANCE
2022 and 2023**

Restricted Sewer Connection Charge Account

	2022		2023
	<u>Budget</u>	<u>Revised</u>	<u>Adopted</u>
BALANCE, January 1	\$ 25,000,000	25,000,000	25,000,000
RECEIPTS:			
Sewer Connection Charges	37,577,913	50,377,050	50,933,510
Interest Income	437,890	752,828	504,668
TOTAL RECEIPTS	<u>38,015,803</u>	<u>51,129,878</u>	<u>51,438,178</u>
TRANSFERS (TO)/FROM OTHER FUNDS			
Debt Service Fund	(23,559,391)	(23,559,391)	(23,434,430)
Capital Projects Account	(14,456,412)	(27,570,487)	(28,003,748)
NET FUND TRANSFERS	<u>(38,015,803)</u>	<u>(51,129,878)</u>	<u>(51,438,178)</u>
BALANCE, December 31	\$ <u>25,000,000</u>	<u>25,000,000</u>	<u>25,000,000</u>

**CHANGES IN TRUST FUND BALANCE
2022 and 2023**

Debt Service Fund

	2022		2023
	Budget	Revised	Adopted
BALANCE, January 1	\$ 38,619,926	38,717,496	38,879,250
Investment Income	316,683	158,742	318,810
DISBURSEMENTS:			
2009B Sewer Improvement Bonds			
Interest - due October 1	2,719,881	2,719,881	2,719,881
Principal - due April 1	-	-	-
Interest - due April 1	2,719,881	2,719,881	2,719,881
Build America Bonds (BABS) Credit	(1,795,393)	(1,795,393)	(1,795,393)
	<u>3,644,369</u>	<u>3,644,369</u>	<u>3,644,369</u>
2012A Sewer Improvement Bonds			
Interest - due October 1	-	-	-
Principal - due April 1	10,535,000	10,535,000	-
Interest - due April 1	263,375	263,375	-
	<u>10,798,375</u>	<u>10,798,375</u>	<u>-</u>
2019A&B Sewer Refunding Bonds			
Interest - due October 1	5,251,015	5,251,015	4,741,770
Principal - due April 1	17,140,000	17,140,000	28,585,000
Interest - due April 1	5,638,317	5,638,317	5,251,015
	<u>28,029,332</u>	<u>28,029,332</u>	<u>38,577,785</u>
2020A Sewer Improvement Bonds			
Interest - due October 1	2,323,353	2,323,353	2,323,353
Principal - due April 1	-	-	-
Interest - due April 1	2,323,353	2,323,353	2,323,353
	<u>4,646,706</u>	<u>4,646,706</u>	<u>4,646,706</u>
TOTAL DISBURSEMENTS	<u>47,118,782</u>	<u>47,118,782</u>	<u>46,868,860</u>
TRANSFERS (TO)/FROM OTHER FUNDS:			
O&M Revenue Principal & Interest	23,818,714	23,721,145	23,780,185
Sewer Connection Charge Account	23,559,391	23,559,391	23,434,430
A&C Transfer - Debt Service Reserve	-	-	-
O&M Revenue Investment Income	(316,683)	(158,742)	(318,810)
NET FUND TRANSFERS	<u>47,061,422</u>	<u>47,121,794</u>	<u>46,895,805</u>
BALANCE, December 31	\$ <u>38,879,249</u>	<u>38,879,250</u>	<u>39,225,005</u>

**RESOLUTION
BOARD OF DIRECTORS
METRO WATER RECOVERY
June 21, 2022**

WHEREAS, the proposed 2023 Annual Budget of Metro Water Recovery, hereinafter referred to as "Metro," has been prepared by the Chief Executive Officer with the advice and counsel of the Finance Committee of Metro's Board of Directors; and

WHEREAS, the Board of Directors duly published a notice concerning the proposed 2023 Annual Budget as required under C.R.S. § 29-1-108 and held a public hearing on May 17, 2022, on said Budget, as provided for in Section 901B of the 2009, 2012, 2019, and 2020 Bond Resolutions; and

WHEREAS, the Operations and Finance committees of Metro, after having reviewed the matter, recommend:

- adoption of 2023 Annual Charges for Service of \$145,057,122,
- adoption of the 2023 Annual Budget for all funds totaling \$161,742,901,
- adoption of the 2023 Operating Budget of \$109,437,851,
- adoption of 2023 budget for new and replacement equipment and vehicle purchases (greater than or equal to \$10,000 and less than or equal to \$250,000) of \$1,120,050, which will be funded as follows: \$60,000 from the Operations and Maintenance Fund and \$1,060,050 from the Fixed Asset Replacement (FAR) Fund),
- adoption of 2023 budget for the General Fund and FAR Fund Small Projects of \$2,500,000, which will be funded as follows: \$1,500,000 from the General Fund and \$1,000,000 from the FAR Fund,
- approving \$48,685,000 for the 2023 Debt Service Fund,
- approving all required internal fund transfers for the 2023 Annual Budget and cash flow requirements; and

WHEREAS, the Defined Benefit Plan Retirement Board recommends:

- contributing \$10,053,490 to Metro's Defined Benefit Retirement Plan on the first business day in January 2023, pursuant to the Actuarial Determined Contribution as of January 1, 2022; and

WHEREAS, the Executive Committee, after having reviewed the matter, concurs in the recommendation of the other committees and the Defined Benefit Plan Retirement Board;

NOW, THEREFORE, BE IT RESOLVED the 2023 Annual Budget of \$161,742,901, as prepared by the Chief Executive Officer with the advice and counsel of the Finance Committee, be and hereby is adopted as the 2023 Annual Budget for Metro; and

BE IT FURTHER RESOLVED:

- The Annual Charges for Service for 2023 be and hereby are adopted at \$145,057,122; and
- The Operating Budget for 2023 be and hereby is adopted at \$109,437,851; and
- The new and replacement equipment and vehicle purchases (greater than or equal to \$10,000 and less than or equal to \$250,000) budget for 2023 be and hereby is adopted at \$1,120,050, which will be funded as follows: \$60,000 from the Operations and Maintenance Fund and \$1,060,050 from the Fixed Asset Replacement (FAR) Fund); and
- The General Fund and FAR Fund Small Projects budget be and hereby is adopted at \$2,500,000, which will be funded as follows: \$1,500,000 million from the General Fund and \$1,000,000 from the FAR Fund; and
- The 2023 Debt Service Fund be and hereby is adopted at \$48,685,000; and
- All required internal fund transfers for the 2023 Annual Budget and cash flow requirements be and hereby are approved; and
- The contribution of \$10,053,490 to Metro's Defined Benefit Retirement Plan on the first day of January 2023, pursuant to the Actuarial Determined Contribution as of January 1, 2022, be and hereby is approved.

THIS IS A CERTIFIED AND TRUE
COPY OF RESOLUTION ADOPTED



**RESOLUTION
BOARD OF DIRECTORS
METRO WATER RECOVERY
June 21, 2022**

WHEREAS, the Chief Executive Officer of Metro Water Recovery, hereinafter referred to as "Metro," with the advice and counsel of the Finance Committee of Metro's Board of Directors, prepared an Annual Budget for the fiscal year beginning January 1, 2023; and

WHEREAS, the Operations, Finance, and Executive committees recommend adoption of the proposed 2023 Annual Budget; and

WHEREAS, the Board of Directors further reviewed said proposed Budget to determine its adequacy to meet the obligations of Metro Water Recovery for the fiscal year 2023 and, having found the 2023 estimated revenues and expenditures reasonable, adopted said Budget on June 21, 2022; and

WHEREAS, it is incumbent upon the Board of Directors to appropriate the necessary amounts for the purposes set forth in the adopted 2023 Annual Budget;

NOW, THEREFORE, BE IT RESOLVED \$161,742,901 be and hereby is appropriated as set forth in the 2023 Annual Budget Appropriation Summary attached hereto and made a part hereof.

**THIS IS A CERTIFIED AND TRUE
COPY OF RESOLUTION ADOPTED**

