



Water Resources

April 6, 2023

Presented by:

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Fiscal Year 2023/24

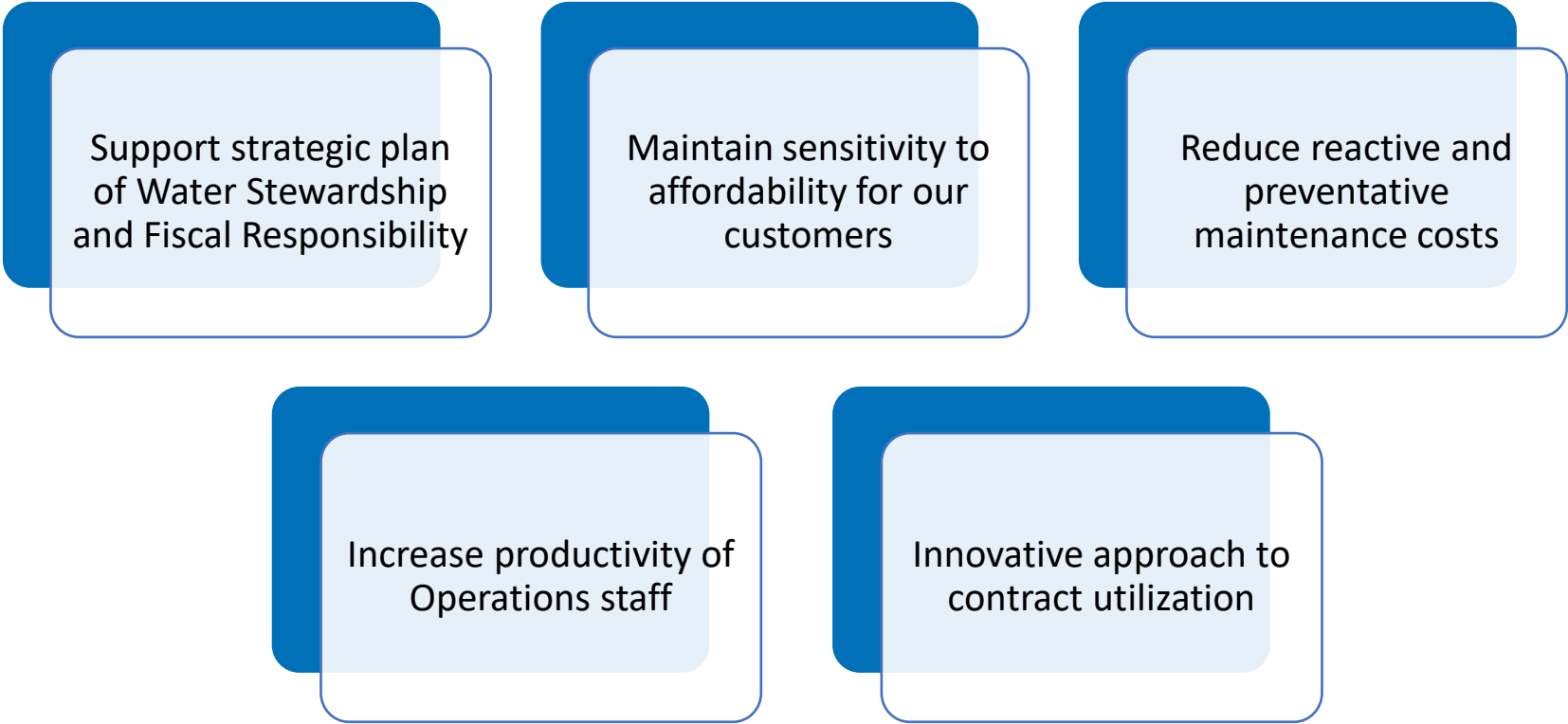


Public Purpose



To provide superior water and wastewater services to our community.

Priorities/Objectives



Performance Measures

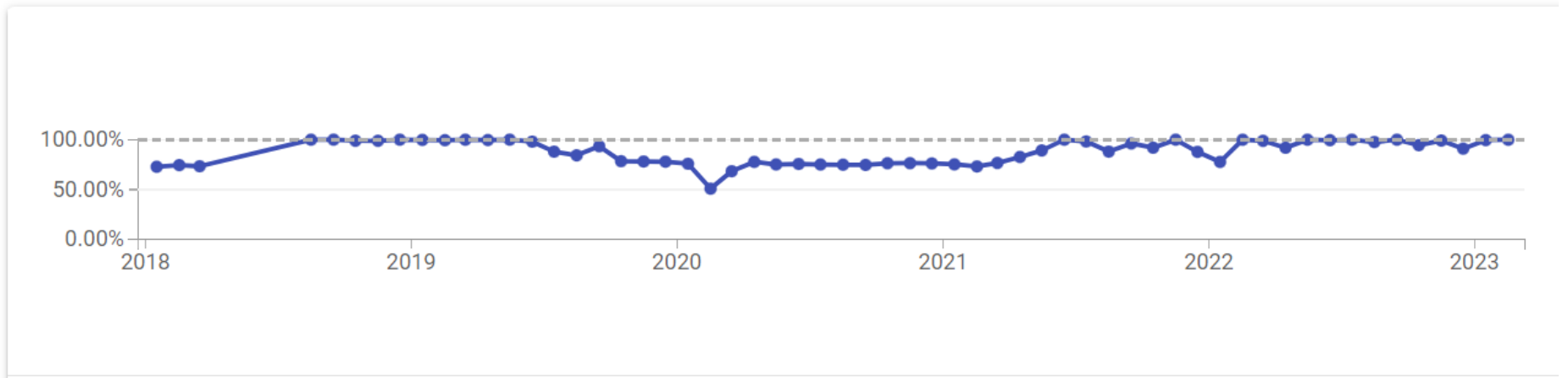
Percent of reclaimed water put to beneficial use

99.91%

2/1/23 - 2/28/23

i Near Target

Target 100.00%



Performance Measures

Miles of Sewer Lines Cleaned

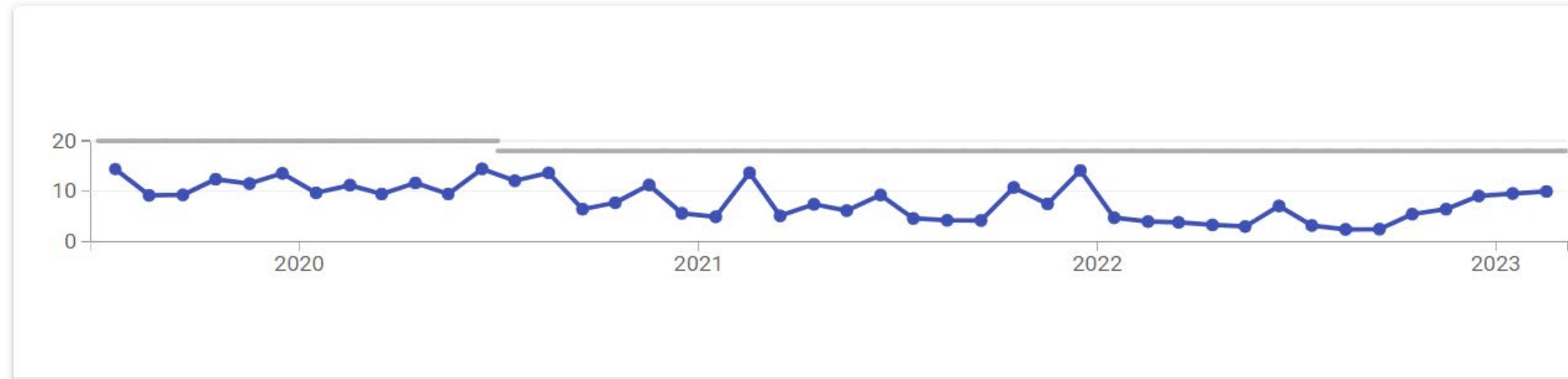
10

Miles

2/1/23 - 2/28/23

⊗ Off Track

Target 18 February 2023



Performance Measures

Sanitary Sewer Overflows

0

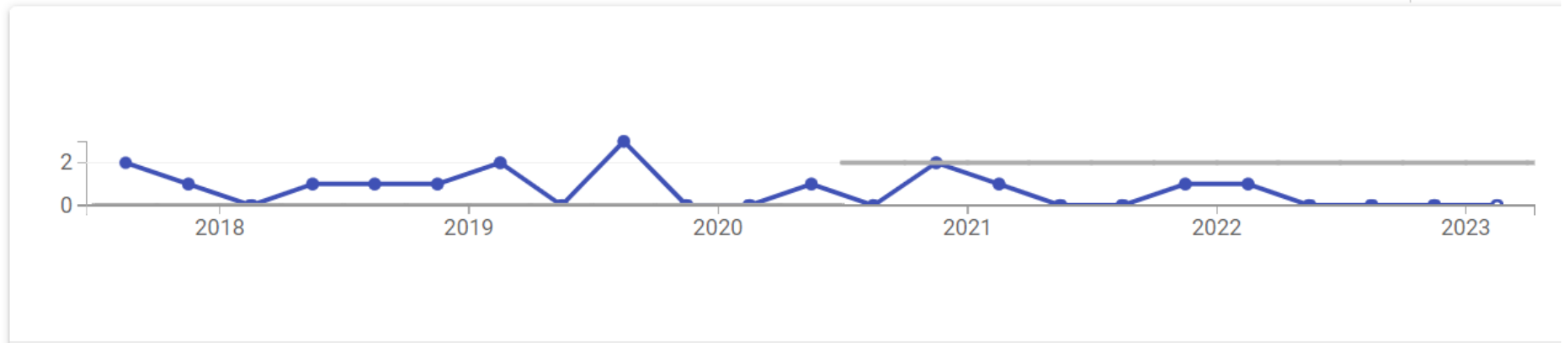
Overflows

1/1/23 to today

✓ On Track

Target 2 Q1 Mar 2023

All periods | [Current period](#)



Expenditure Summary

Core Business Processes	FY 21/22 Year End Actuals	FY 22/23 Revised Budget	FY 22/23 Year End Estimate	FY 23/24 Proposed Budget
Expenditures				
Water Resources				
Water				
Water Distribution	\$31.1	\$35.5	\$35.4	\$37.3
Water Treatment	\$16.4	\$21.5	\$21.3	\$22.8
Reclaimed	\$13.0	\$14.4	\$16.0	\$17.8
Wastewater				
Wastewater Collection	\$5.3	\$6.3	\$5.9	\$6.3
Wastewater Treatment	\$23.2	\$31.3	\$28.4	\$34.7
Water Resources Total:	\$88.9	\$108.9	\$107.0	\$118.9
Expenditures Total:	\$88.9	\$108.9	\$107.0	\$118.9


Dollars in Millions

FY 2023/24 Standard Adjustment Summary

	FY22/23	FY23/24	Variance
Val Vista WTP Obligation	\$ 8,850,000	\$ 10,300,000	\$ 1,450,000
Water Chemicals	\$ 2,085,000	\$ 2,190,000	\$ 105,000
Water Electric	\$ 4,788,828	\$ 4,472,100	\$ (316,728)
Water Purchases	\$ 14,013,674	\$ 17,436,657	\$ 3,422,983
SROG (91st Ave WRP) Obligation	\$ 7,900,000	\$ 9,250,000	\$ 1,350,000
Wastewater Chemicals	\$ 3,860,000	\$ 5,427,700	\$ 1,567,700
Wastewater Electric	\$ 3,673,177	\$ 3,983,000	\$ 309,823
Wastewater Biosolids Removal ⁽¹⁾	\$ 461,000	\$ 794,560	\$ 333,560
Greenfield WRP - Mesa Share ⁽²⁾	\$ 5,191,206	\$ 5,784,779	\$ 593,573
Total	\$ 50,822,885	\$ 59,638,796	\$ 8,815,911

(1) Biosolids removal services previously funded through Base Budget

(2) Estimated GWRP Mesa Share. Actuals to be 46% of approved GWRP Joint Venture Budget



FY 23/24 Budget Adjustments



Lead and Copper Rule Service Line Inventory

One Time Cost: \$473,977

6 Temporary workers: \$396,989

Rental Vehicles: \$30,912

Laptops/Data Plans/Licenses: \$29,420

Uniforms/Public Notification: \$16,656

- Inventory and document public and private service lines made of galvanized lead or non lead containing materials
- City of Mesa required to complete by October 16, 2024 to comply with EPA Regulation (Executive Order 13990)
- 158,973 water services





SRP Biomass 10 Year Agreement

Ongoing Cost: \$344,542

Total Cost: \$3,445,420

- 10 Year agreement beginning July 1, 2023
- Supports strategic forest thinning to protect Valley's watershed
- Supports practice of bioenergy for disposing of trees removed through biomass process
- Supports City of Mesa's climate goals



Supports Community Needs and Growth

1 FTE – Reclaimed Water/Air Quality Supervisor with Truck

Ongoing Cost: \$120,432

- Position Costs
- Vehicle Maintenance

One-time Cost: \$110,197

- Workspace, Computer and Minor Equipment
- 1 vehicles (1/2 ton Ford Lightning)

30% Allocated to GWRP: \$69,189

- **Mesa Cost Share 46%: \$31,827**
 - Ongoing: \$16,620
 - One Time: \$15,207
- 5,384 Air quality compliance parameters tested monthly
- 1,564 Reclaimed water compliance parameters tested monthly
- CMRP and SBWTP expansion will increase samples to monitor and report





Greenfield Water Reclamation Plant (GWRP Joint Venture) 30% Market Pricing Adjustment

Ongoing Cost: \$426,320

- Insurance (Industry Increase) \$52,000
- Outside Materials (Pumps, Parts, etc.) \$240,000
- Mesa Cost Share \$134,320 (46%)

Funding increase requested to respond to rising cost of insurance premiums and increased costs of goods.



1 FTE – AMI Data Analyst

Ongoing Cost: \$104,792



- Position Costs

One-time Cost: \$7,460

- Minor Equipment
- Involvement of Data Analyst throughout project planning and deployment
- Will support, administer and analyze the AMI and MDMS system data and reports
- Will obtain frequent interval usage data reporting from the meter population to validate rate making decisions



FY 2023/24 Budget Adjustment Summary

Adjustment	FTE	One-Time	Ongoing	Council Strategic Priority
Lead and Copper Rule Service Line Inventory	0	\$473,977		 Community Health & Safety
SRP Biomass	0		\$344,542	
Reclaimed Water/Air Quality Supervisor w/Truck	1	\$125,404	\$137,052	 Sustainable Environment
30% GWRP Market Pricing Adjustment	0		\$426,320	
AMI Data Analyst	1	\$7,460	\$104,792	
Total	2	\$606,841	\$1,012,706	



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