



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

Support strategic plan
of Water Stewardship
and Fiscal Responsibility

Maintain sensitivity to
affordability for our
customers

Reduce reactive and
preventative
maintenance costs

Increase productivity of
Operations staff

Innovative approach to
contract utilization

Performance Measures

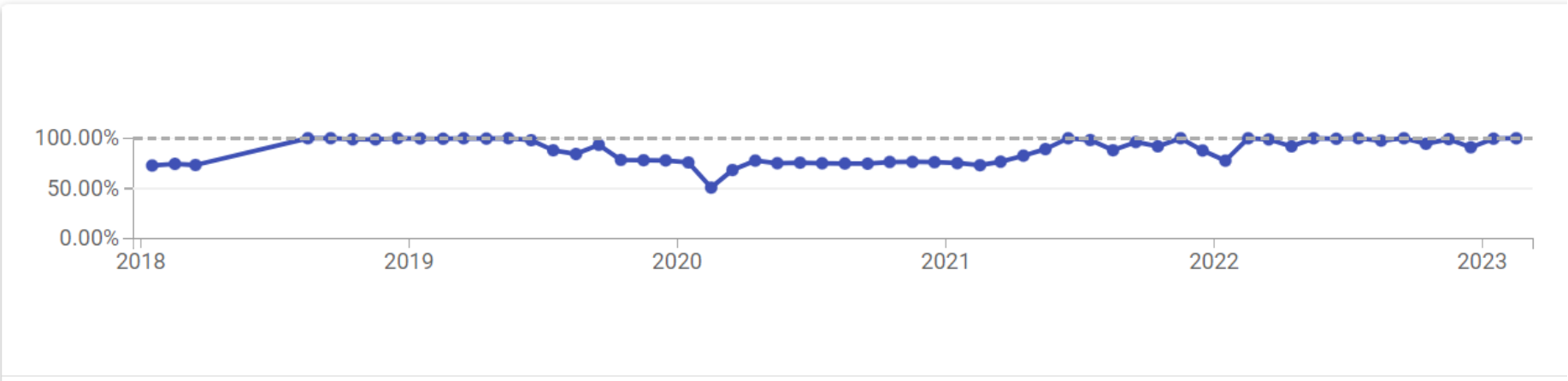
Percent of reclaimed water put to beneficial use

99.91%

2/1/23 - 2/28/23

i Near Target

Target 100.00%



Performance Measures

Miles of Sewer Lines Cleaned

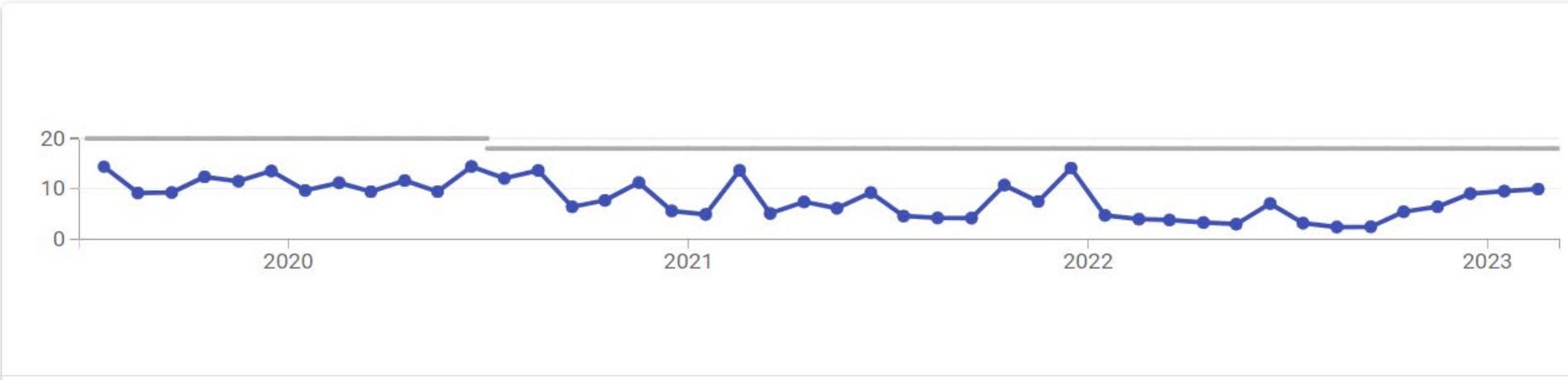
10

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

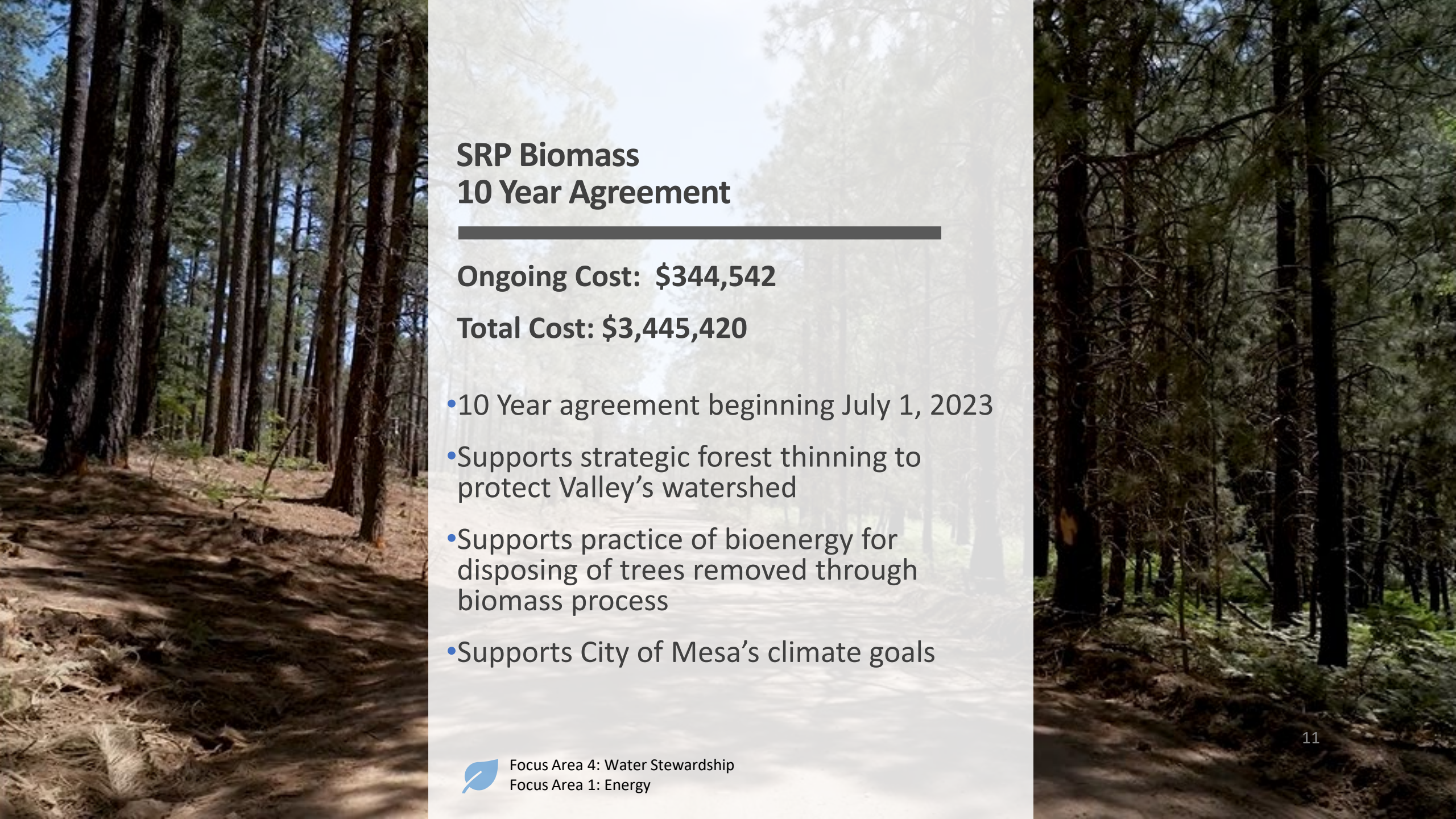
Rental Vehicles: \$30,912

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



A background image of a forest with tall, thin trees and a dirt path. The image is split into two vertical panels, with the left panel showing a clearer view of the trees and the right panel being slightly darker and more shadowed.

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  Sustainable Environment
SRP Biomass	0		\$344,542	
Reclaimed Water/Air Quality Supervisor w/Truck	1	\$125,404	\$137,052	
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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