



Proposed
10-Year
Capital Improvement Plan
FY 18/19 – FY 27/28

NapaSan

Board of Directors Meeting

May 16, 2018

Completed Projects 17/18

- Major projects - Collections Department
 - Soscol/Sousa Trunk Rehabilitation



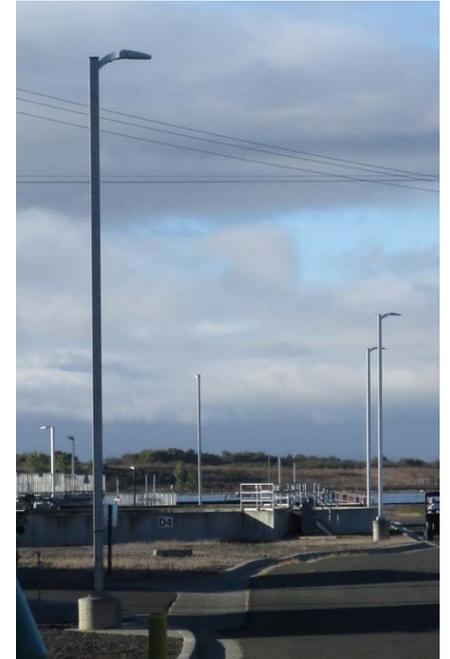
Completed Projects 17/18

- Major projects - Collections Department
 - Basin H Manhole Rehabilitation
 - Upper Lateral Pilot #3
 - Vacuum Truck



Completed Projects 17/18

- Major projects – Treatment Plant
 - LED Pole Fixture Replacement
 - Earthquake Repairs



Completed Projects 17/18

- Major projects – Recycled Water
 - MST Extension (Coombsville Rd)
 - Reservoir Lining





Continuing Projects

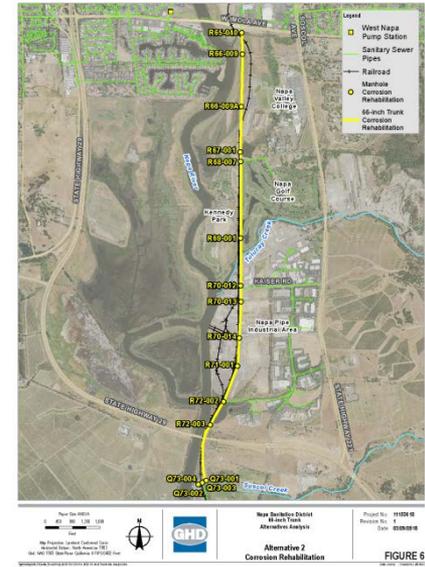
- Major projects from FY 17/18
 - Browns Valley Trunk & West Napa Pump Station
 - 2018 Collection System Rehabilitation (construction)
 - 2018 Treatment Plant Improvements (construction)
 - Pond 1 Dredge (design)
 - Headworks Equipment Replacement
 - CMMS Replacement (Asset Management)

Ongoing Projects

- Annual Efforts
 - I/I Reduction Program
 - Manhole Raising
 - Mainline Repairs
 - Lateral Rehabilitation
 - Cleanout Installation
 - Development Technical Support

66-inch Trunk Project

- Background
 - Constructed in 1967 (50 years old)
 - Imola Plant to Soscol Plant (1998)
 - Inspection history
 - 2001, 2012, 2017
 - Increased degradation
 - Criticality of the asset



66-inch Trunk Project

- Rehabilitation Project





66-inch Trunk Project

- Rehabilitation
 - Rehabilitate portions in 2019
 - Full condition assessment
- Planning
 - Evaluation of installation of a parallel trunk
 - Master Plan modeling in FY 19/20



66-inch Trunk Project

- Costs
 - Rehabilitation of 66-inch \$2.5 million (2 years)
 - Planning for parallel trunk \$1.0 million
- 10-year Plan
 - Installation of 72-inch trunk \$45 million (years 4-7)

New Projects

Collection System

- 2019 Collection System Rehabilitation

Treatment Plant

- 3W System Phase II
- 10-inch Portable Pumps
- 12kV Redundant Line

Treatment Plant Structures

- Chemical Storage Building
- Primary Clarifier Rehab
- Pond Transfer Structures

Recycled Water

- Coombsville Truck Fill Station
- VFD and Pump Rebuilds
- Valve Replacement



10-Year Financial Plan

Pay-As-You-Go
for Rehab &
Replacement

\$144,703,600 (59.3%)

Debt Financing

\$97,434,400 (39.9%)

- Browns Valley Road Truck & WNPS, Second Digester & Third ABs, Future RW Expansion (75%), 72-in Trunk

Paid for by
Other Agencies

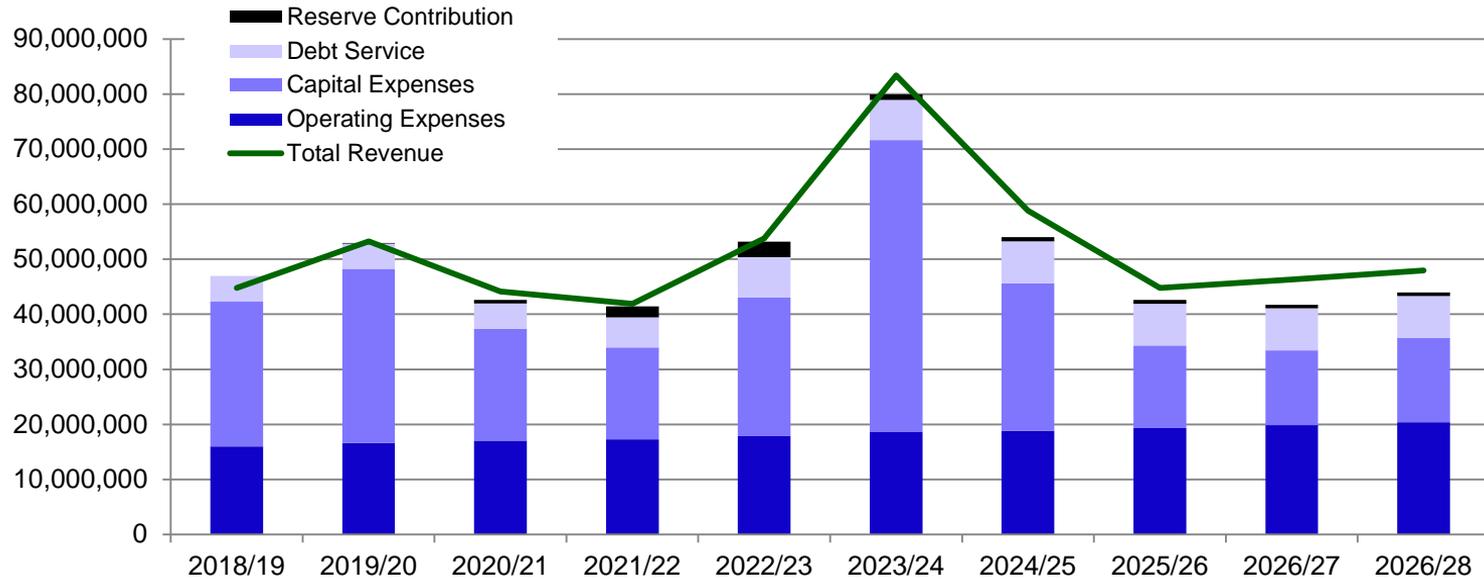
\$1,650,000 (0.6%)

- Coombsville RW Truck Fill Station, Future RW Expansion (25%)



10-Year Financial Plan

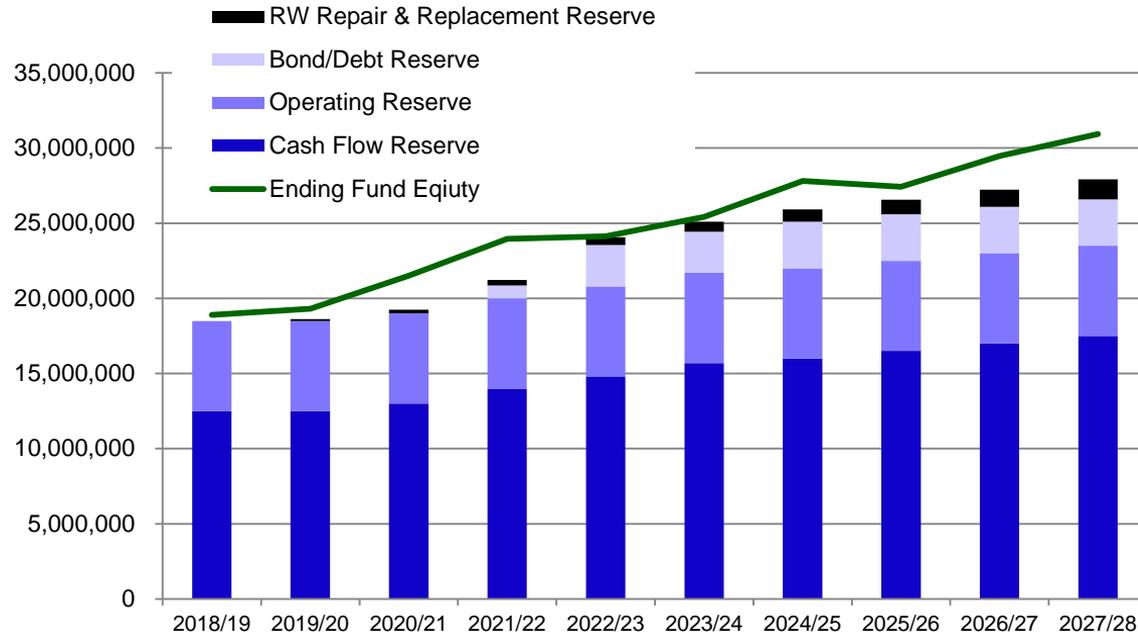
Revenue vs. Expenditures





10-Year Financial Plan

Ending Fund Equity Projections



Debt Summary

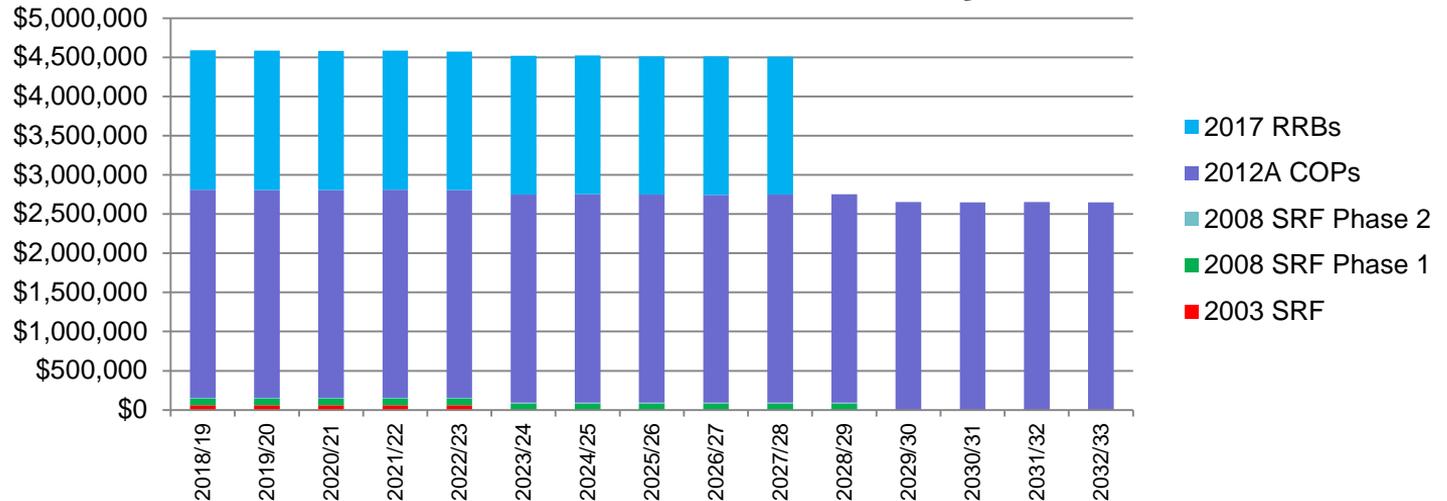
- Four Outstanding Debt Issues

	<u>Original Debt Amount</u>	<u>Current Balance</u>	<u>Annual Payment</u>
2003 SRF	\$901,376	\$279,895	\$60,247
2008 SRF-Ph. 1 & 2	\$1,559,673	\$825,529	\$93,581
2012A – COP	\$37,845,000	\$31,050,000	\$2,656,775
2017 RRB	\$14,185,000	\$14,185,000	\$1,777,225

Debt Summary

- Four Outstanding Debt Issues

Debt Service Summary



Debt Summary

- Future Debt Issues
 - FY 2018/19 – SRF - BV Trunk and WNPS Improvements



Debt Summary

- Future Debt Issues
 - FY 2021/22 – Second Digester & Third ABs



Debt Summary

- Future Debt Issues
 - FY 2021/22 – 72-in Trunk



Debt Summary

- Future Debt Issues
 - FY 2022/23 – RW Expansion (NBWRA Projects)



Debt Summary

- Future Debt Service

