



DRAFT Fiscal Year 2025-2029 (FY25-29) Water Utility and Watersheds Operations & Maintenance and Asset Renewal Plans

Presented by:

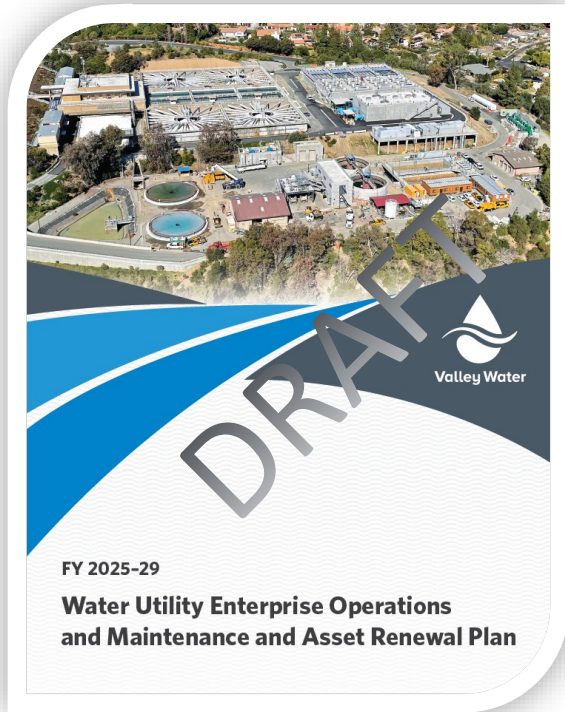
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Agenda

1. Goals & Objectives
2. O&M and Asset Renewal Work
3. Planning Timeline
4. FY25-29 Water Utility and Watersheds Forecasts
5. Strategic Planning

Goals & Objectives



Identify resources needed for O&M and asset renewal activities for the next five fiscal years

Water Supply Ends Policy E-2.3
Protect and maintain existing water infrastructure.

Natural Flood Protection Ends Policy E-3.1
Maintain flood protection facilities to design levels of protection.



1. Plan for infrastructure maintenance and replacement to reduce risk of failure. **(E-2.3.1)**
2. Prioritize funding for maintenance and replacement of existing water infrastructure over investments in new infrastructure. **(E-2.3.2) (E-3.1.1)**

Definitions - O&M Work

Operations & Maintenance

1. Operating costs, incl. labor, energy, and supplies
2. Preventive, predictive, and corrective maintenance
3. Accounted in the projects included in annual operating Budget and Long-Term Forecast

Definitions - Asset Renewal Work

Asset Renewal

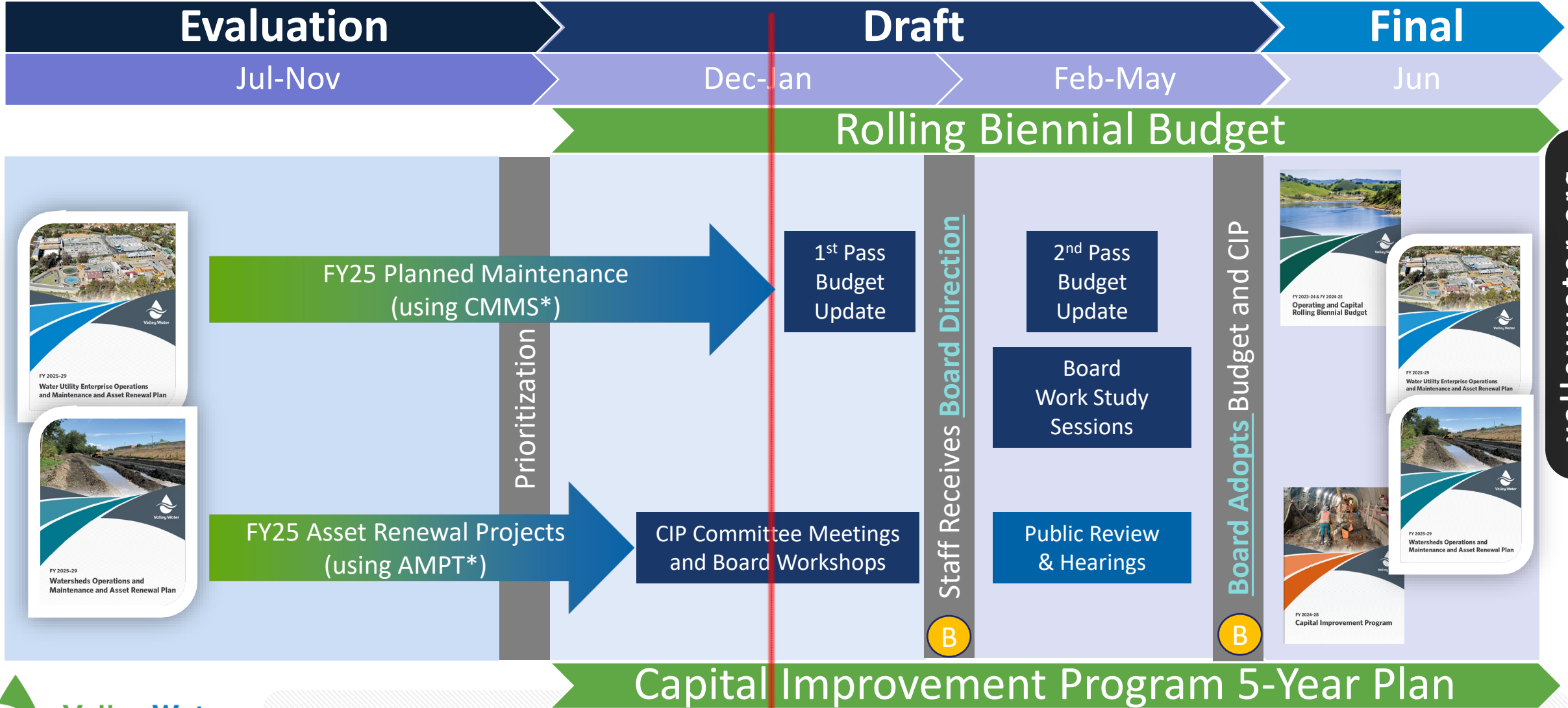
1. Replacement or rehabilitation to extend service life
2. Scheduled based on risk
3. Small capital projects:
 - A. non-recurring rehab or repair
 - B. additions to existing facilities
 - C. cost less than \$5M
 - D. completed within two years
 - E. funds do not carry forward

Consequence of Failure 0 - 30 <i>(each criteria scored on a 0-to-5 scale)</i>		x	Probability of Failure 1 - 5	=	Business Risk Exposure (BRE) 0 - 150
Social (50% of CoF)	Service Delivery		1 = New or Recently Rehabilitated 2 = Good Condition, Only Minor Defects 3 = Defects Requiring Monitoring, But Fully Functional 4 = Requires Corrective Action, Functionality Threatened 5 = Failed, Unable to Satisfy LOS, Requires Immediate Action	=	
	Community Impacts				
	Workplace Safety				
Environmental (17% of CoF)	Environmental Impacts				
	Financial Impacts				
Economic (33% of CoF)	Impact to Reputation				

Planning Timeline

 We are here

6



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* CMMS = Computerized Maintenance Management System

* AMPT = Asset Management Planning Tool

Questions?

Water Utility O&M Forecast

1. Funding for O&M includes:
 - A. 24/7/365 staffing for plants
 - B. Energy costs
 - C. Replacement and spare parts
 - D. Performance testing and engineering support

Totals over Five Years*:
Funded: \$573.8 Million
Unfunded: \$37.7 Million

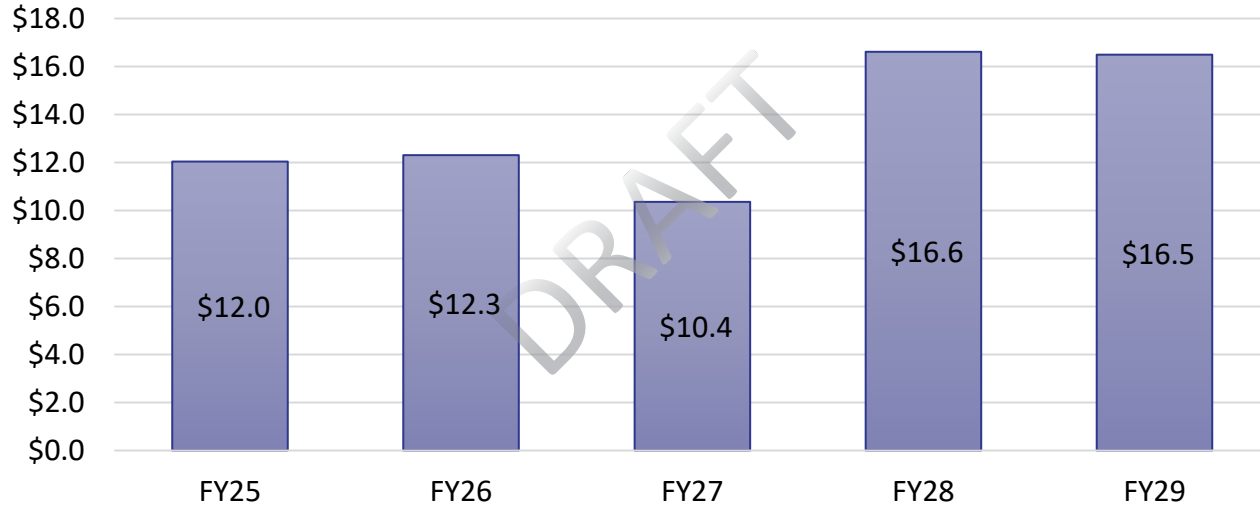
*As of December 2023, to be further refined through the budgeting process.

Raw & Treated Water Divisions (\$ in Millions)



Water Utility Asset Renewal Forecast

(\$ in Millions)



FY25-29 Total: \$67.8M

FY25 work includes:

1. PPP electrical switchyard equipment replacements
2. CPP pump overhauls
3. Turnout roof replacements
4. Microbiology lab improvements
5. WQ pilot plant restoration



Water Quality Engineer conducting a study in the pilot plant

Does not include capital projects > \$5 Million
(e.g., Anderson Dam Seismic Retrofit, Rinconada WTP Reliability Improvement)

Watersheds O&M Forecast

1. Funding for O&M includes:
 - A. Flow Conveyance
 - 1) Sediment Removal
 - 2) Vegetation Management
 - B. Levee Maintenance
 - C. Bank Stabilization
 - D. Rodent Damage Repair
 - E. Trash and Debris Removal

Totals over Five Years*

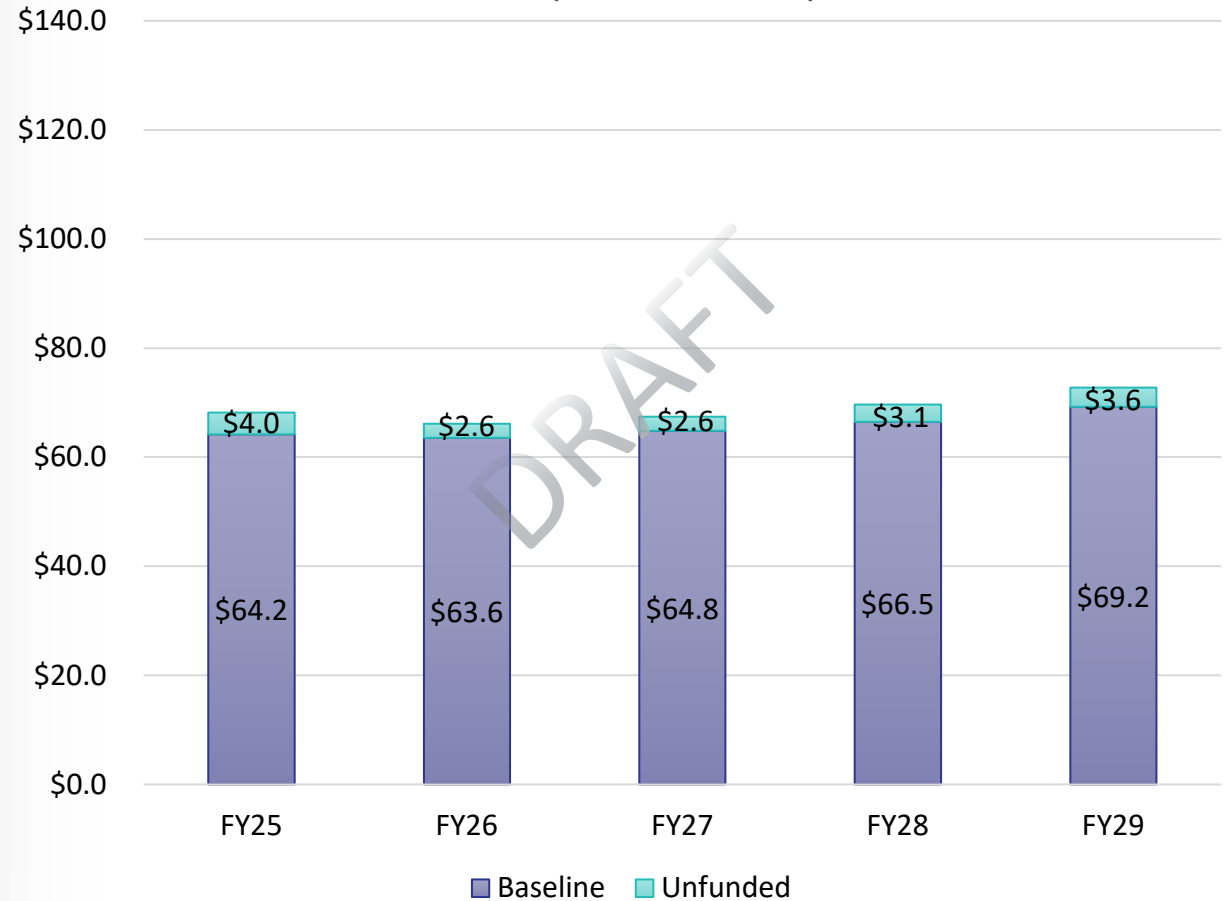
Funded: \$328.3 Million

Unfunded: \$15.9 Million

*As of December 2023, to be further refined through the budgeting process.

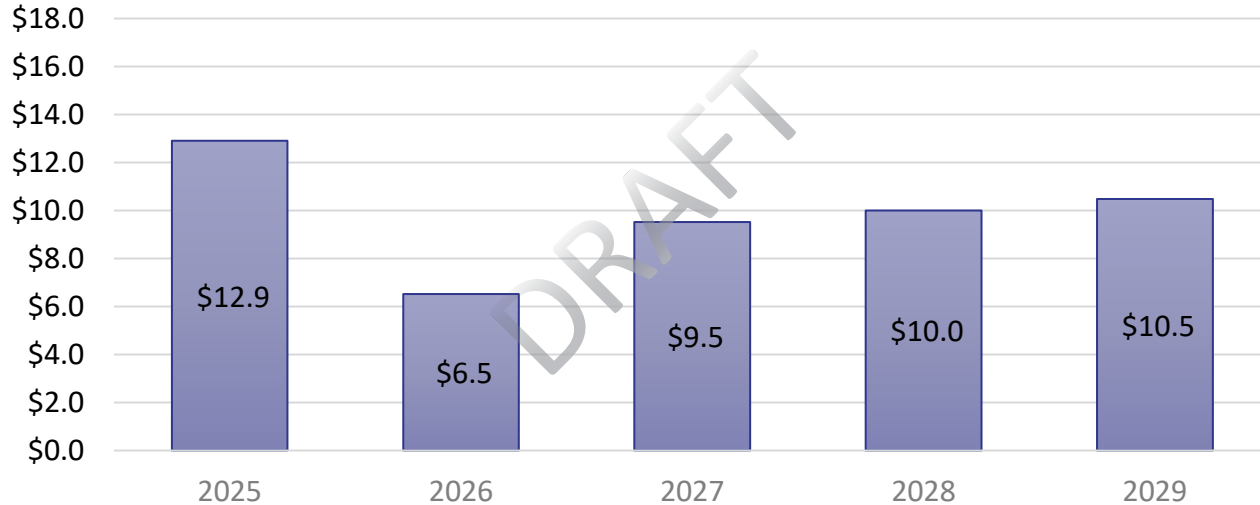
Watersheds Operations and Maintenance

(\$ in Millions)



Watersheds Asset Renewal Forecast

(\$ in the Millions)



FY25-29 Total: \$49.4M

Current Small Caps Projects include:

1. Permanente Creek Rehabilitation at Mt. View Ave
2. Calabazas Creek Bank Stabilization at Bollinger Rd.
3. Coyote Creek Levee Rehab at Hwy 237

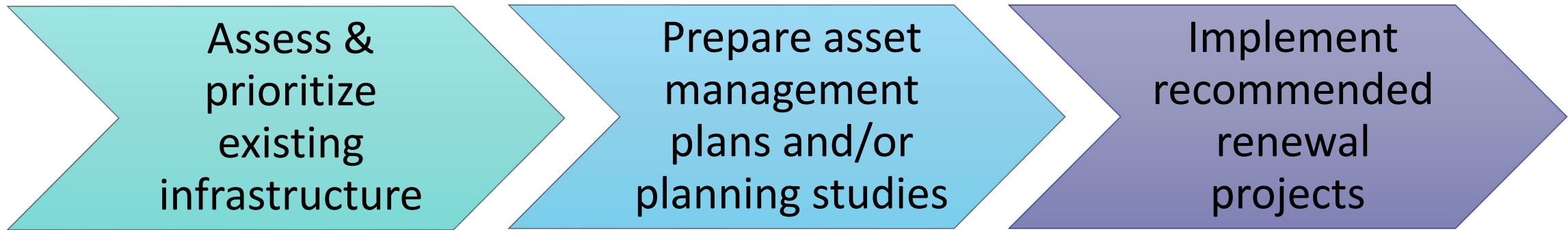


Example of bank erosion – 2016 WARP project

Does not include individual capital projects (e.g., Lower Llagas Capacity Restoration Project, Lower Guadalupe River Capacity Restoration Project)

Strategic Planning for Valley Water

Asset Renewal Projects

12

- 1. Water Utility Master Plans (Water Treatment Plants, Distribution System, SCADA)**
- 2. Safe, Clean Water Project F8: Sustainable Creek Infrastructure for Continued Public Safety** – has identified \$388M of asset renewal work.
- 3. Asset Management Plans**



Valley Water

Clean Water • Healthy Environment • Flood Protection

Future – Water Utility Master Plan Implementation Projects

FY 2024-25 rate setting assumes \$326M placeholder from FY26-FY34

1. Distribution System

- A. 30-year program of recommended projects for pipelines, pumping plants, canals, wells and recycled water facilities

2. Water Treatment Plant

- A. 30-year program of recommended projects for Penitencia, Rinconada, Santa Teresa WTPs and the Advanced Water Purification Center

3. SCADA*

- A. 15-year program of recommended projects for Water Utility facilities (incl. reservoirs, pipelines, pumping plants, treatment plants, recharge facilities)



Future – Watersheds Asset Renewal Forecast

Safe, Clean Water Project F8 – Current Progress

A. ±\$388.5 Million

- 1) Consists of assets from 19 creeks that would benefit from risk-reduction projects
- 2) 9 creeks – AMP*
- 3) 7 creeks – over \$20 Million (CIP)
- 4) One county-wide program – Creek in Pipe

B. Implementation analysis in progress

- 1) Resources
- 2) Grants
- 3) Scheduling



Regnart Creek Rehabilitation Project – F8



San Tomas Creek Capacity Restoration - CIP



Thompson Creek Erosion – AMP

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