

# Proposed Capital Investment Plan Biennial Budget for FYs 2022/23 and 2023/24

Engineering and Operations Committee Item 6b March 7, 2022

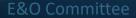
## **Capital Investment Plan Presentation Overview**

CIP budget development process
 Enhanced CIP Risk Framework
 Overview of proposed CIP

#### **CIP Development Process**



## Development of Enhanced CIP Risk Framework and Inclusion in the CIP Development Process



## Asset Management (AM) Program



## **Risk Framework**

## Objectives

Uniform definition of risk

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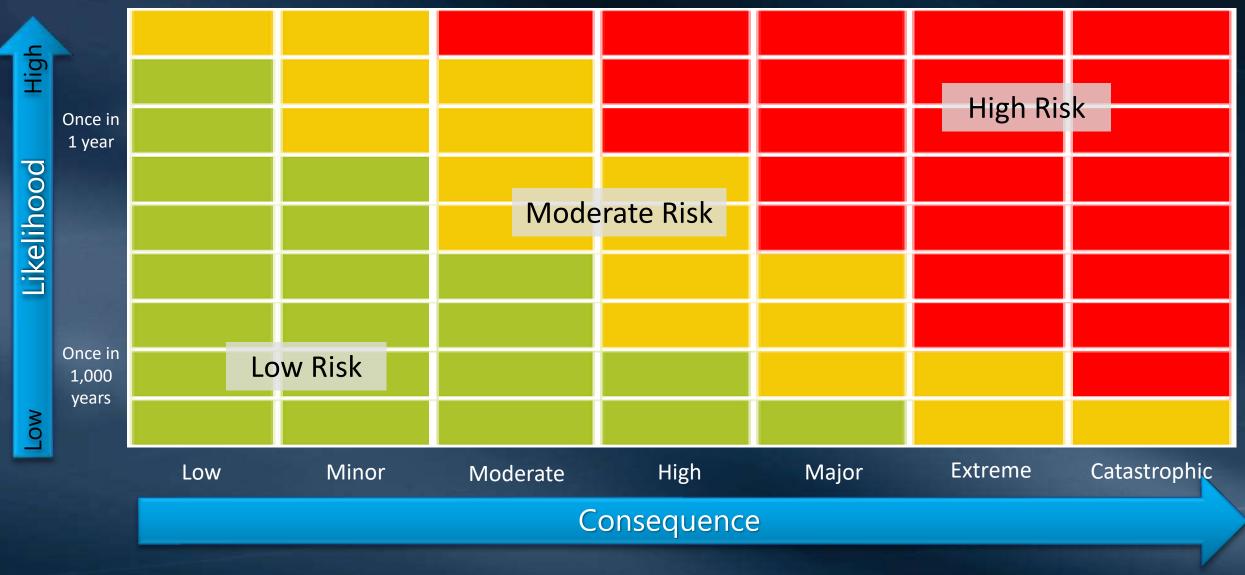
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Be aligned with best-in-class

Capture expert knowledge

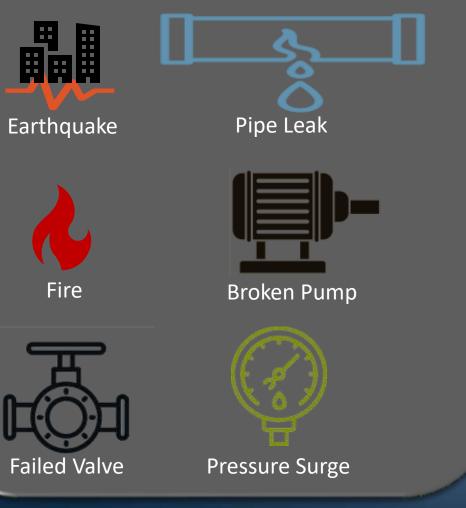
Repeatable & sustainable process

## **Risk Heatmap**



## Likelihood of Hazard

#### Example hazards



#### **Frequency ranges**

High

Likelihood

Low

10 times a year Within a year Within 10 years Within 50 years Within 100 years Within 500 years

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## **Consequence of Hazard**

#### Consequence

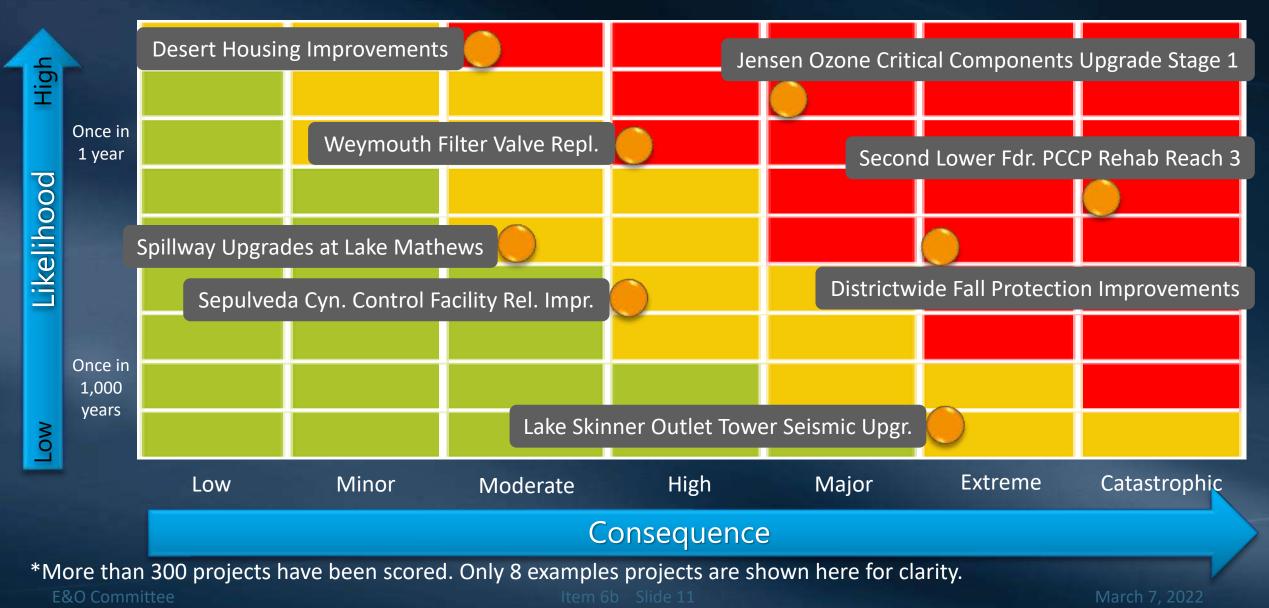
	Low	Minor	Moderate	High	Major	Extreme	Catastrophic
Safety		-		-		-	
Compliance & Legal	-	-	-	-	-	-	
Reputation	-	-	-	=-	-	_	
<pre>\$ Financial Impact</pre>			-	-	_		
Reliable Service		-	-	-			

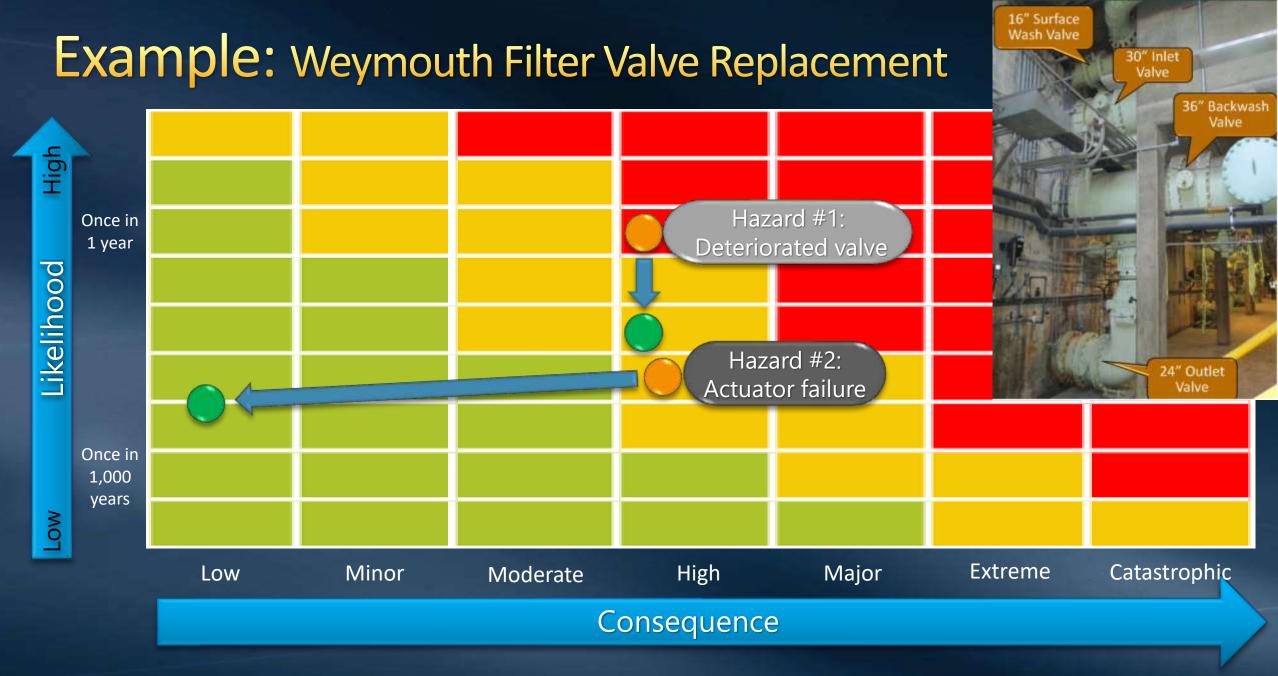
## How was risk considered in this CIP budget?



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## Sample\* of Projects w/ Pre-Mitigation Risk





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## Successful Pilot

Valuable risk info on +300 capital projects

Automated & sustainable workflow

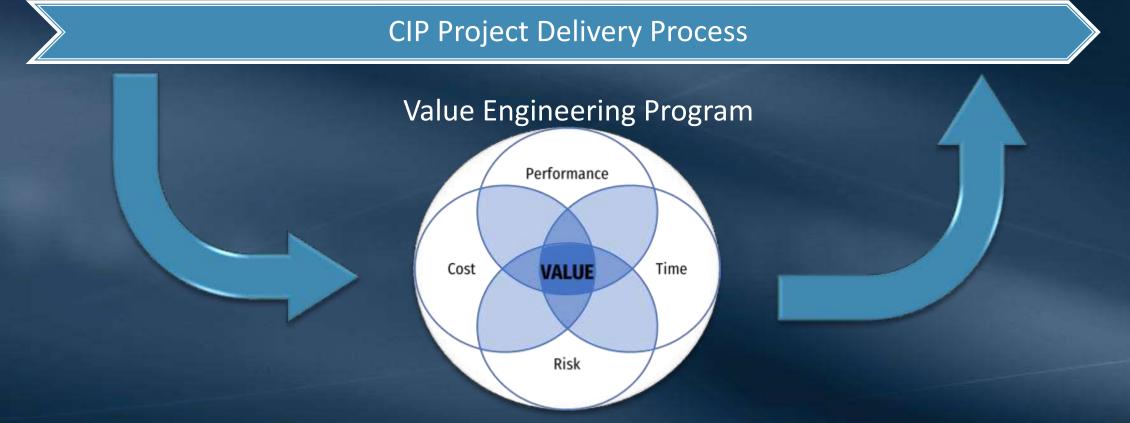
Data-informed approach to tap into expert insight

Alignment with best-in-class

Enhanced CIP Approach

## Value Engineering Program Improving overall value of CIP projects





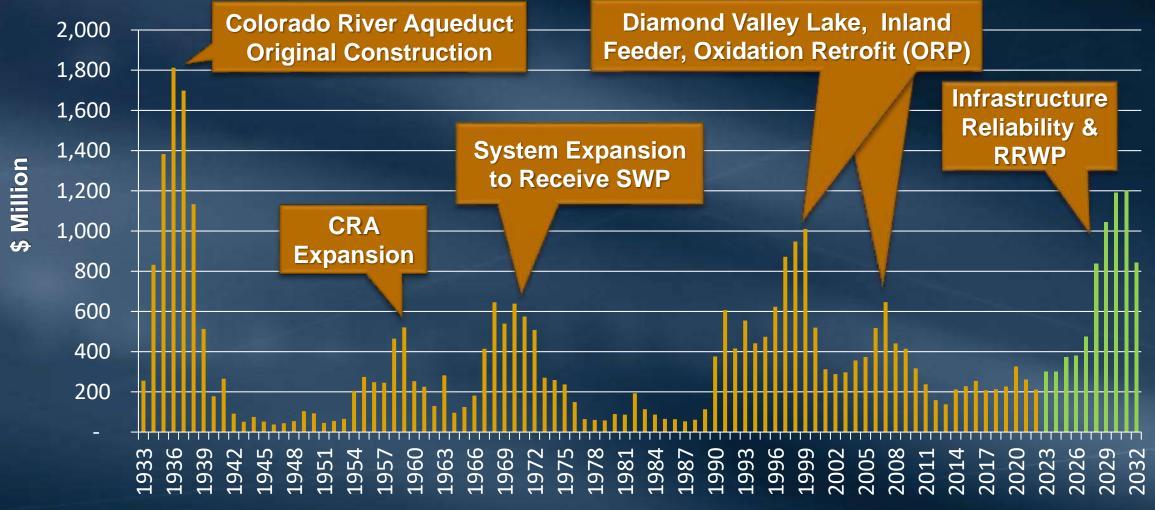
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#### **Capital Investment Plan Recommendation**

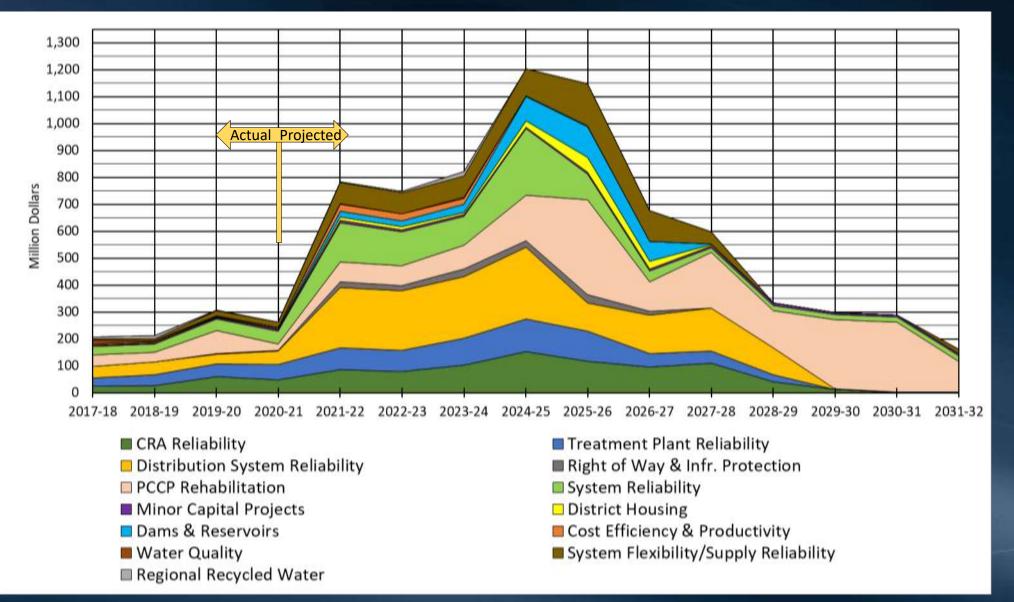
#### Historical Capital Expenditures (Adjusted to Current \$)



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# Projected & Unleveled CIP Expenditures by Program

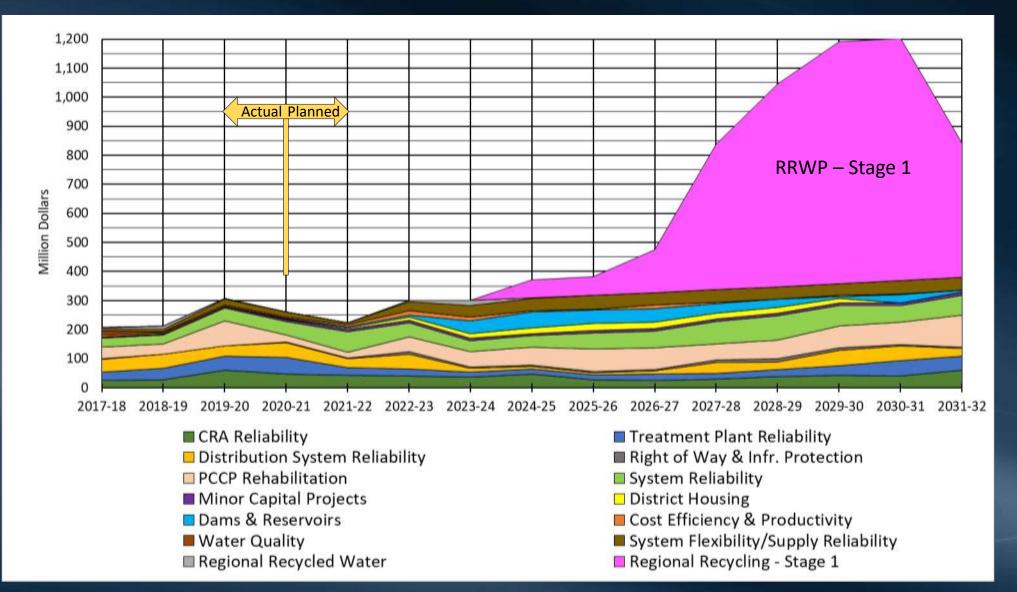


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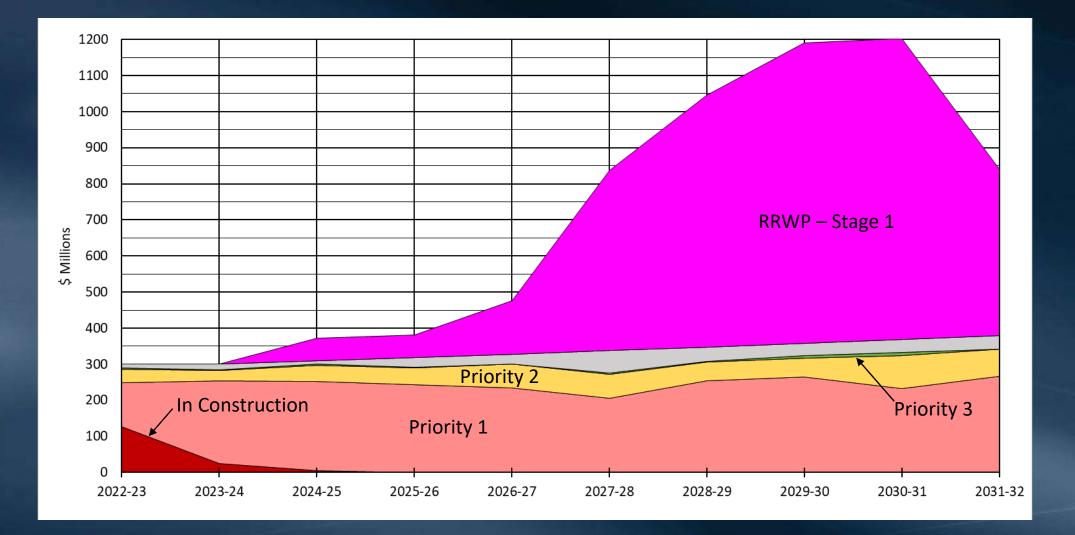
## **Recent & Planned CIP Expenditures by Program**



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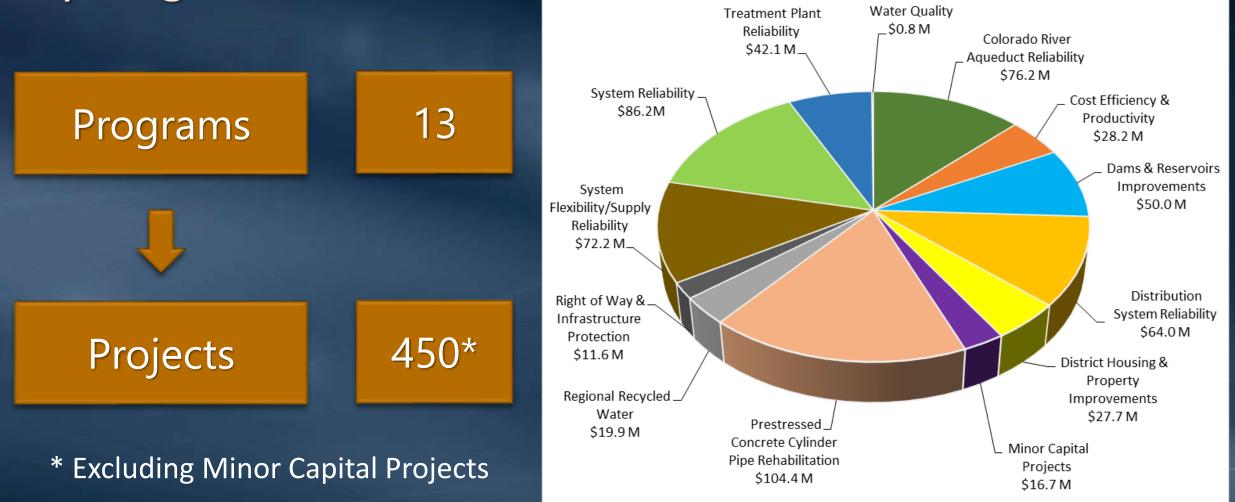
## Planned CIP Expenditures by Sponsor Priorities



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### Proposed CIP for FY 2022/23 - 2023/24 by Program



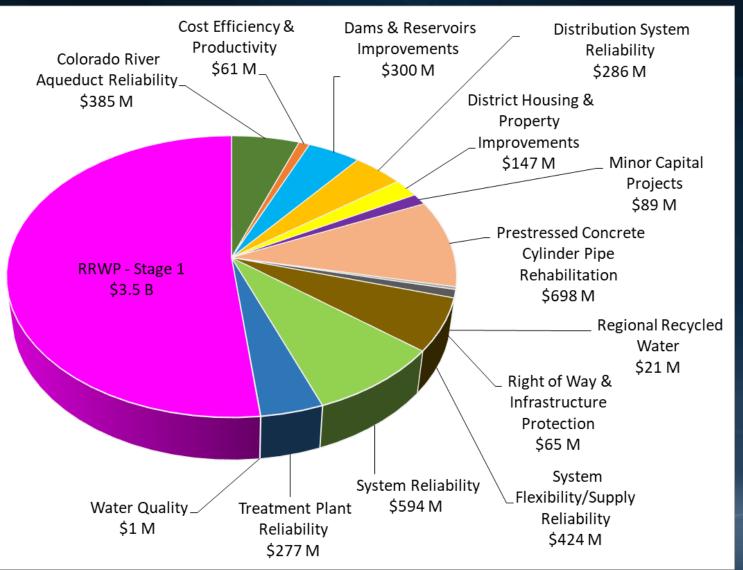
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# Ten-Year CIP Projection: FY 2022/23 - 2031/32

by Program

- Planned Expenditures: \$7 billion
   RRWP: \$3.5 B
   PCCP: \$698 M
  - CRA: \$385 M
  - Drought: \$283 M
  - SCADA: \$173 M



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## Proposed CIP for FYs 2022/23 - 2023/24

- 2-Year planned spending of \$600 million
  - \$300 million each year
  - Projects identified in the CIP Appendix
- April Board actions
  - Appropriate \$600 M
  - Authorize GM authority

 Initiate or proceed with work on planned capital projects identified in CIP Appendix

## CIP for FY 2022/23 & FY 2023/24

- Included in the planned expenditures
  - Approx. 450 projects, not including Minor Capital Projects
  - DVL recreation: new and R&R
  - Direct Potable Reuse Demonstration Facility
  - Drought-related projects
- Not included in the planned expenditures
  - Full-scale regional recycled water projects environmental documentation being prepared using O&M funds
  - New regional reservoir
  - Unplanned projects projects not identified in CIP Appendix

## Potential Early Addition of RRWP to the CIP

- State and Federal funding potentially available for RRWP in the upcoming biennium
- Potential action: move RRWP into CIP
- Impacts of Board moving RRWP into the CIP
  - Facilitates staff pursuit of outside funding
  - Staff can commence preliminary design and detailed program planning
  - Would result in approximately \$25M to \$30M of additional capital expenditures in upcoming biennium, in addition to currently planned expenditures for environmental planning efforts

