



**SCV**  
**WATER**

# Water Resilience Initiative

Water Resources and Watershed Committee  
March 10, 2021  
Item No. 3

# Water Resilience Initiative: Previous Briefings

- Initiated dialogue regarding water supply resiliency and watershed stewardship
- Reviewed current related activities
- Explained drivers behind initiative
- Reviewed strategies
- Proposed elements and expenditures
- Solicited Committee's input and questions



# What is Water Resilience?

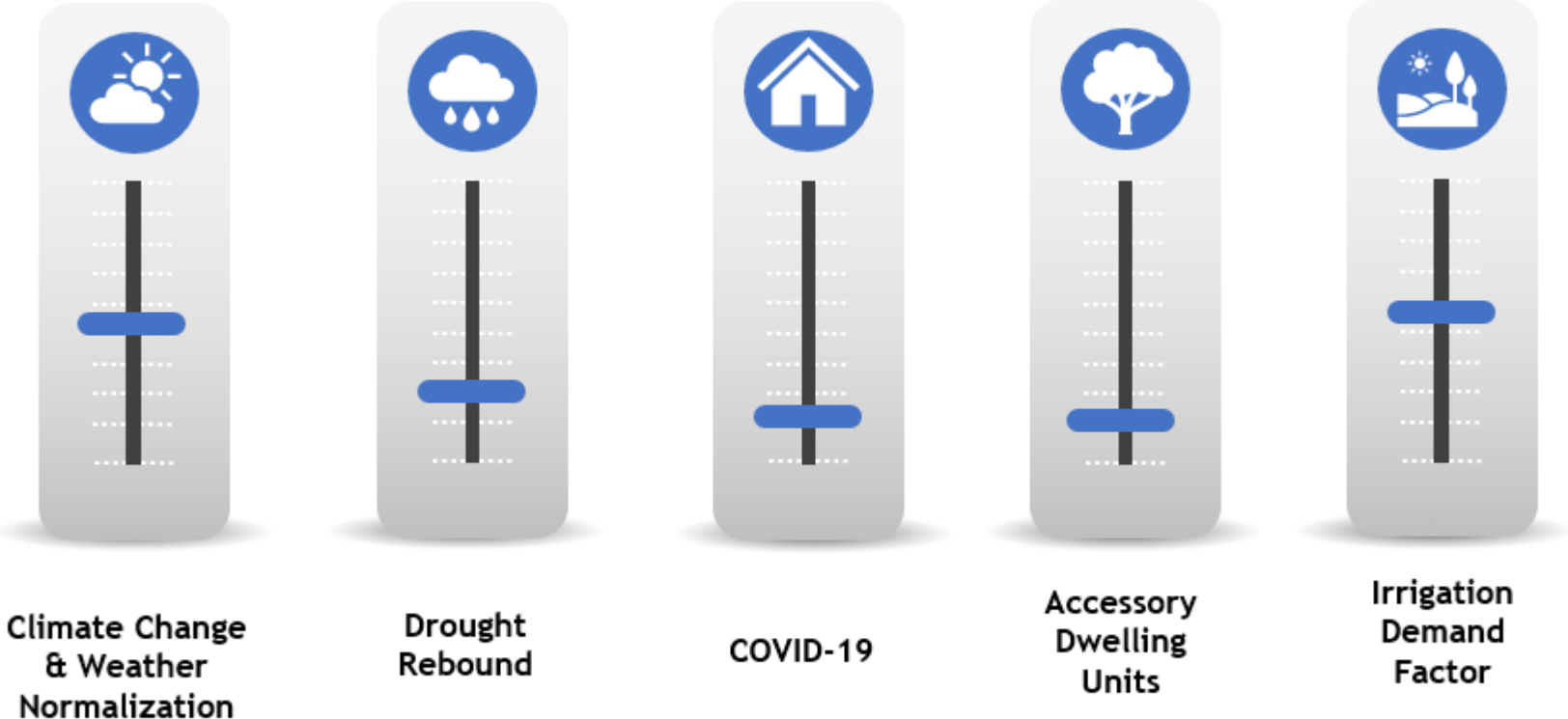
- A reliable water supply that can adapt and respond to changes such as:
  - More extreme droughts and floods
  - Rising temperatures
  - Changing regulatory requirements
  - Natural disasters/risks and other challenges
- Safe and resilient water supplies, and healthy waterways for our communities, economy and environment

# Drivers for Water Resilience Initiative

- SCV Water Strategic Plan
- Santa Clara River Stewardship Objectives
- California Water Resiliency Portfolio
- Managing Uncertainties/Risks in Changing Environment
- Protect and Enhance Environmental Qualities
- Advance Water Use Efficiency
- Investments in Projects/Programs

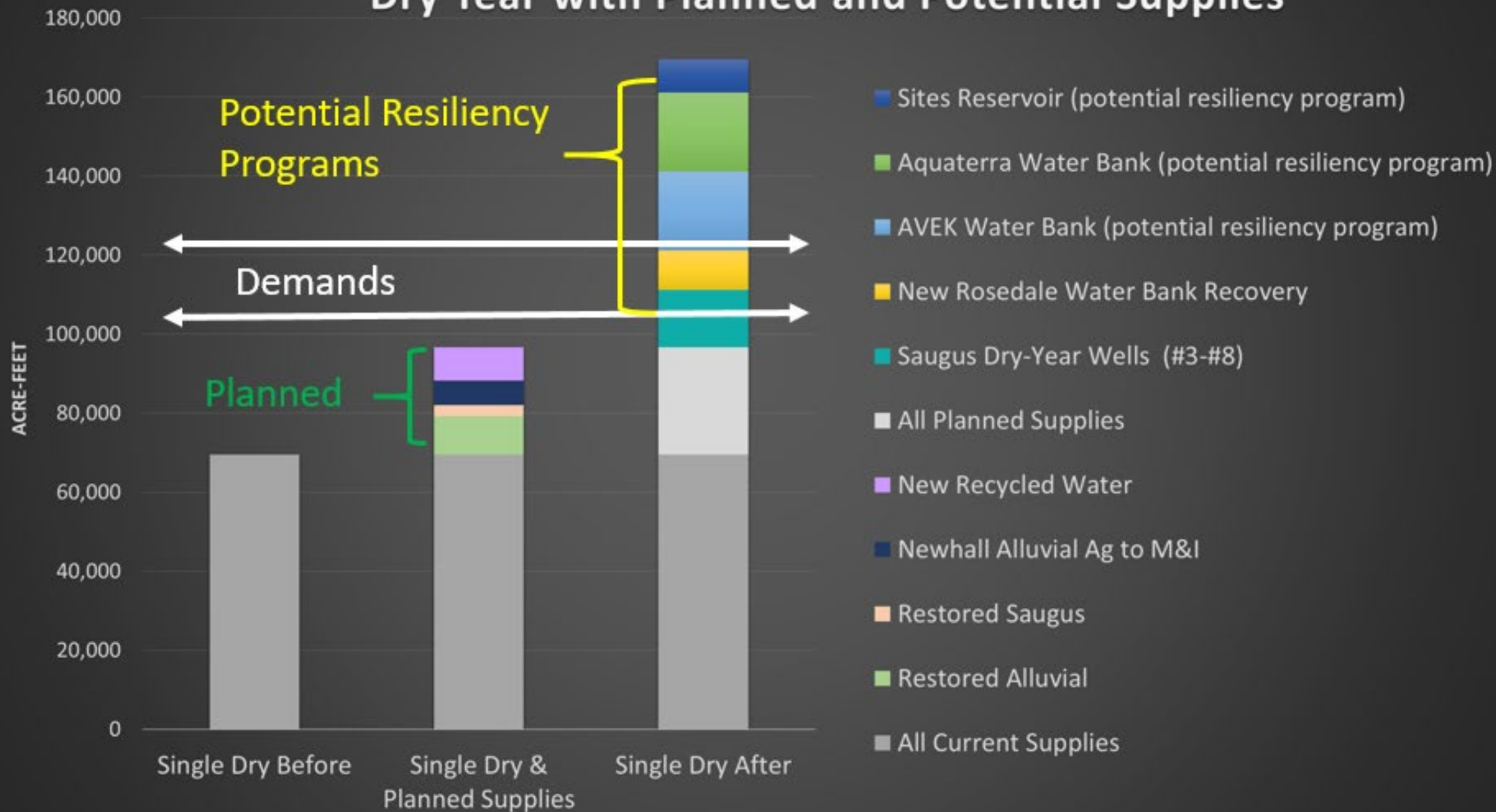


# Adjustments to Future Demand Forecast



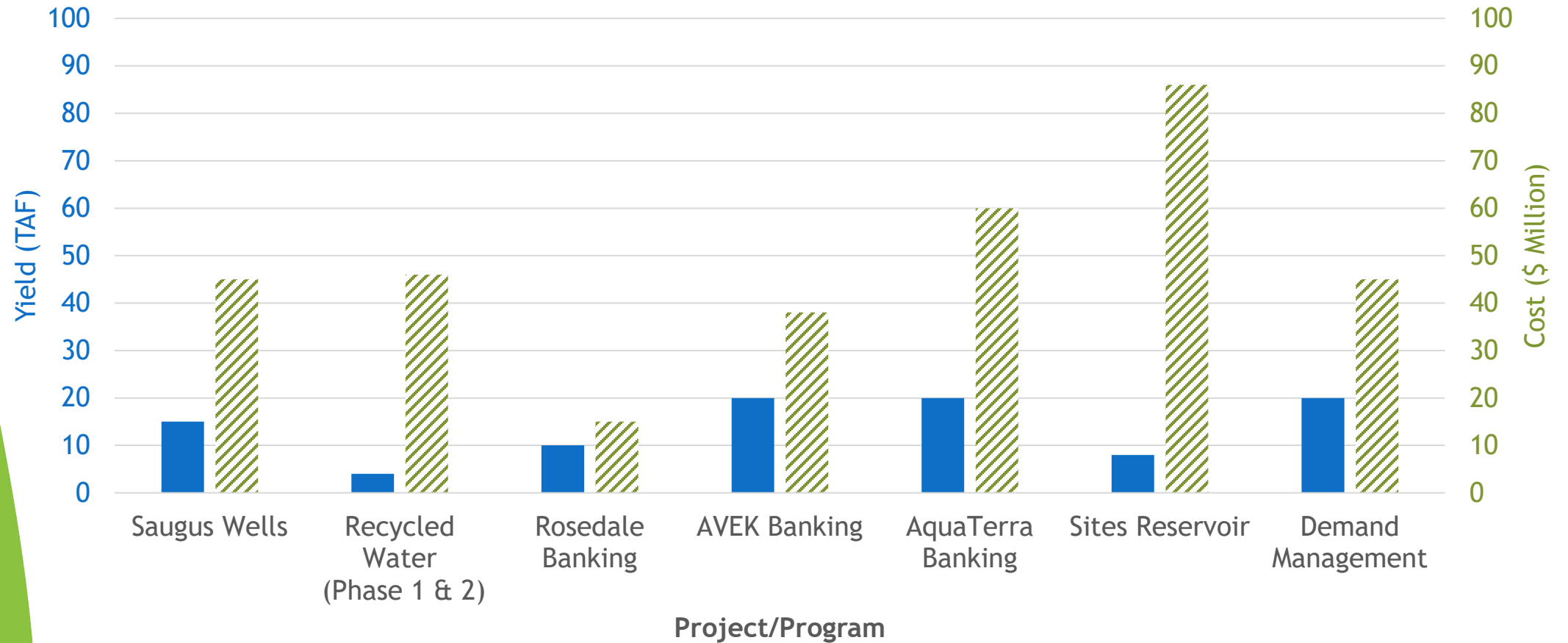
# Buildout Water Balance (2050)

## Dry Year with Planned and Potential Supplies



# Planned and Potential Resiliency Prog.

Program Yield and Costs



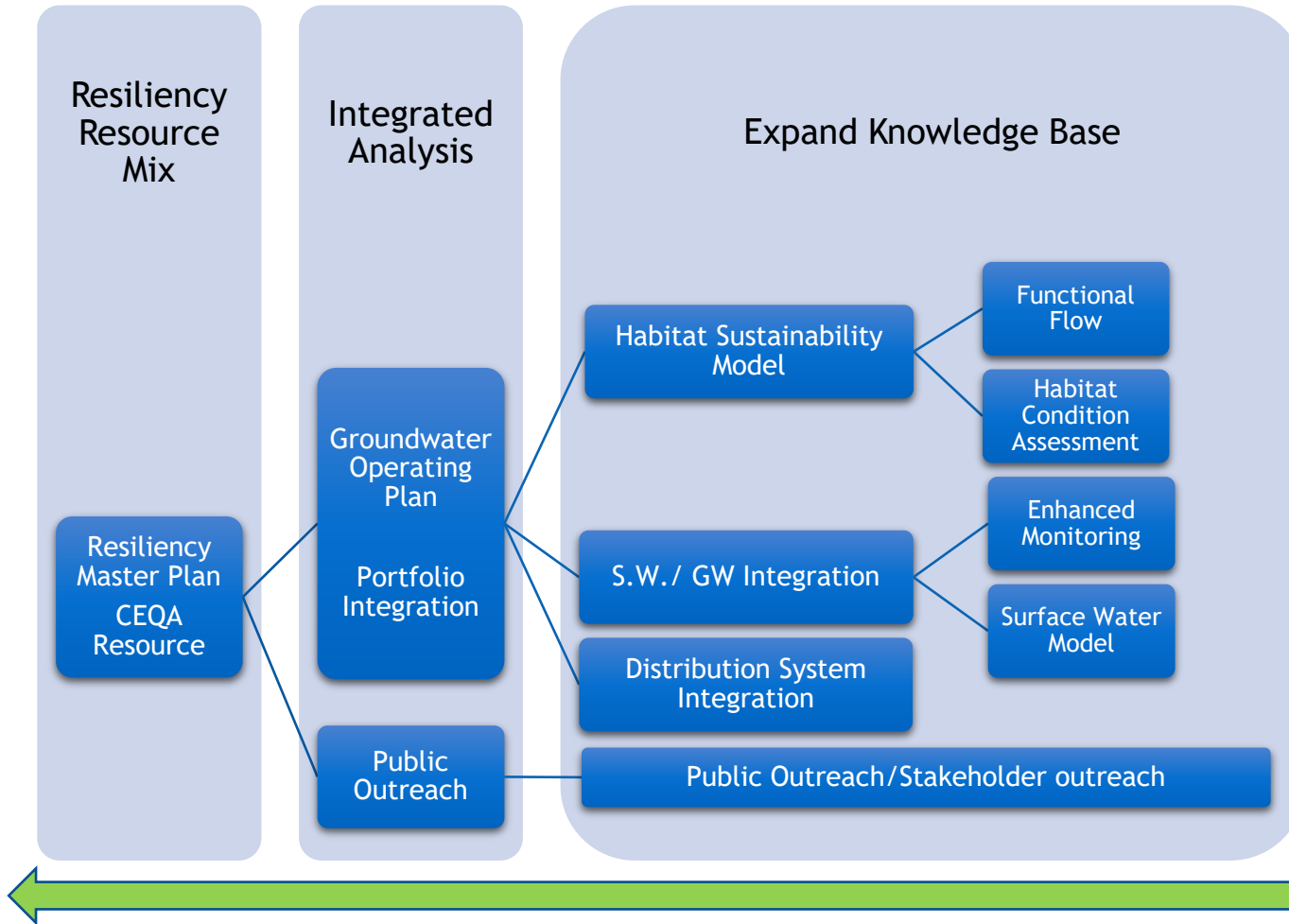
# Water Resilience Initiative Strategies

- Build knowledge base to support sound decisions
- Improve modeling capabilities
- Conduct integrated analysis
  - Protect watershed and river systems
  - Optimize local groundwater use and storage
  - Support new infrastructure and ecosystem investments
- Expand stakeholder and community outreach and engagement

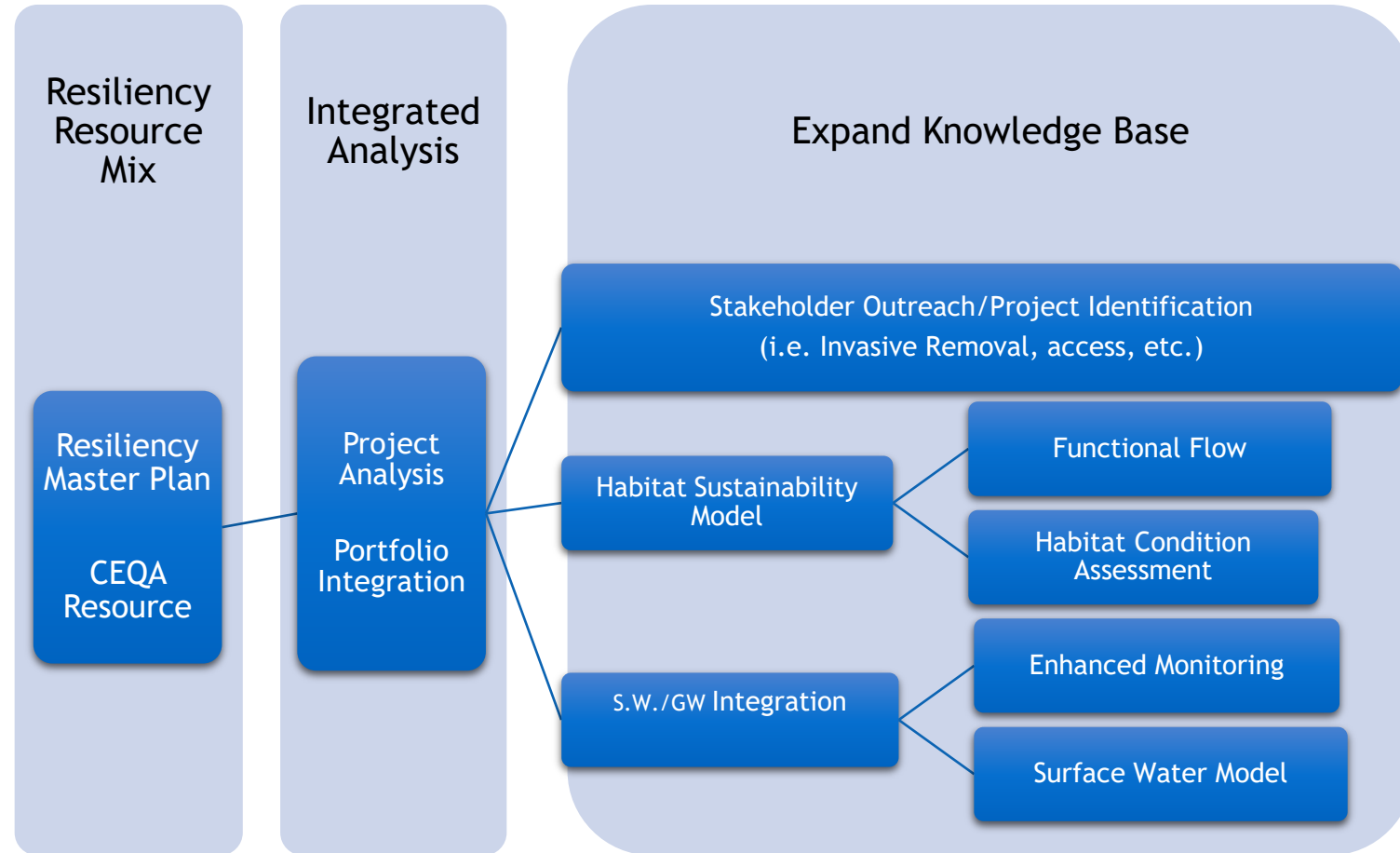




# Example: Process for Saugus Well Investments



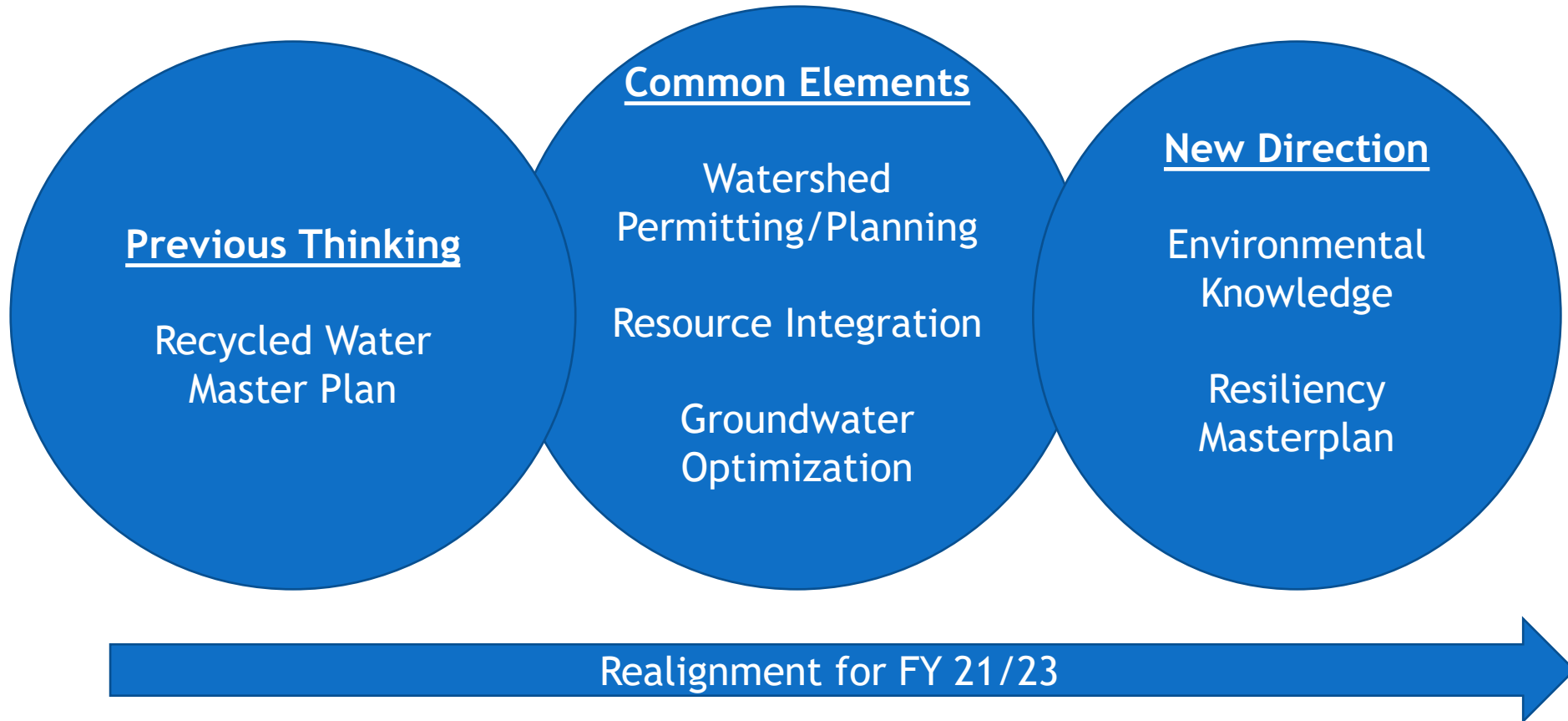
# Example: Process Environmental Enhancements



# Total Estimated Budget

Description	Cost (\$1,000)	FY 21/22	FY 22/23	FY 23/24
Integration/Analysis - Environmental	480			
Integration/Analysis - Water Resources	340			
Surface Water and Groundwater Mgmt.	1,220			
Communications and Engagement	480			
Resource Master Planning	1,380			
<b>Total</b>	<b>3,900</b>	<b>1,210</b>	<b>1,320</b>	<b>1,370</b>

# Refocusing of FY 2021/23 Planning Effort



# Next Steps

- Integration of Water Resiliency Initiative into FY 2021/23 Budgets
- Authorization to proceed with Resource Integration Model development

# Feedback

