



## **Santa Clara Valley Water District Environmental and Water Resources Committee Meeting**

HQ. Bldg. Boardroom, 5700 Almaden Expressway, San Jose, California Join  
Zoom Meeting: <https://valleywater.zoom.us/j/94403145442>

### **REGULAR MEETING AGENDA**

**Monday, July 21, 2025  
6:00 PM**

**District Mission: Provide Silicon Valley safe, clean water for a healthy life, environment and economy.**

Charles Ice, Committee Chair  
Arthur M. Keller, Committee Vice Chair

Director Shiloh Ballard, District 2  
Director Nai Hsueh, District 5  
Director Tony Estremera, District 6

All public records relating to an item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarters Building, 5700 Almaden Expressway, San Jose, CA 95118, at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend Board of Directors' meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

John Bourgeois  
Kirsten Struve  
(Staff Liaisons)

Dave Leon, (COB Liaison)  
Assistant Deputy Clerk II  
[daveleon@valleywater.org](mailto:daveleon@valleywater.org)  
408-630-2006

**Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.**

**Santa Clara Valley Water District**  
**Environmental and Water Resources Committee**  
**REGULAR MEETING**  
**AGENDA**

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Monday, July 21, 2025

6:00 PM

HQ. Bldg. Boardroom, 5700 Almaden  
Expressway, San Jose, California

Join Zoom Meeting:

<https://valleywater.zoom.us/j/94403145442>

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**\*\*\*IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS\*\*\***

Santa Clara Valley Water District (Valley Water) Board of Directors/Board Committee meetings are held as a “hybrid” meetings, conducted in-person as well as by telecommunication, and is compliant with the provisions of the Ralph M. Brown Act.

To maximize public safety while still maintaining transparency and public access, members of the public have an option to participate by teleconference/video conference or attend in-person. To observe and participate in the meeting by teleconference/video conference, please see the meeting link located at the top of the agenda. If attending in-person, you are required to comply with Ordinance 22-03 - AN ORDINANCE OF THE SANTA CLARA VALLEY WATER DISTRICT SPECIFYING RULES OF DECORUM FOR PARTICIPATION IN BOARD AND COMMITTEE MEETINGS located at <https://s3.us-west-2.amazonaws.com/valleywater.org.if-us-west-2/f2-live/s3fs-public/Ord.pdf>

In accordance with the requirements of Gov. Code Section 54954.3(a), members of the public wishing to address the Board/Committee during public comment or on any item listed on the agenda, may do so by filling out a Speaker Card and submitting it to the Clerk or using the “Raise Hand” tool located in the Zoom meeting application to identify yourself in order to speak, at the time the item is called. Speakers will be acknowledged by the Board/Committee Chair in the order requests are received and granted speaking access to address the Board.

- Members of the Public may test their connection to Zoom Meetings at: <https://zoom.us/test>
- Members of the Public are encouraged to review our overview on joining Valley Water Board Meetings at: <https://www.youtube.com/watch?v=TojJpYCxXm0>

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**<https://valleywater.zoom.us/j/94403145442>**  
**Meeting ID: 944 0314 5442**  
**Join by Phone:**  
**1 (669) 900-9128, 94403145442#**

**1. CALL TO ORDER:**

1.1. Roll Call.

**2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA.**

*Notice to the public: Members of the public who wish to address the Board/Committee on any item not listed on the agenda may do so by filling out a Speaker Card and submitting it to the Clerk or using the "Raise Hand" tool located in the Zoom meeting application to identify yourself to speak. Speakers will be acknowledged by the Board/Committee Chair in the order requests are received and granted speaking access to address the Board/Committee. Speakers' comments should be limited to three minutes or as set by the Chair. The law does not permit Board/Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Board/Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Board/Committee may take action on any item of business appearing on the posted agenda.*

**3. APPROVAL OF MINUTES:**

3.1. Approval of April 21, 2025 Environmental and Water Resources  
Committee Minutes.

[25-0616](#)

Recommendation: Approve the minutes.  
Manager: Candice Kwok-Smith, 408-630-3193  
Attachments: [Attachment 1: 042125 EWRC minutes](#)  
Est. Staff Time: 5 Minutes

#### 4. REGULAR AGENDA:

- 4.1. Receive Information and Provide Feedback on Valley Water's Draft Water Supply Master Plan 2050. [25-0565](#)

Recommendation: Provide feedback on the draft Water Supply Master Plan 2050.

Manager: Kirsten Struve, 408-630-3138

Attachments: [Attachment 1: Draft WSMP 2050](#)  
[Attachment 2: PowerPoint](#)

Est. Staff Time: 15 minutes

- 4.2. Receive and Discuss Introduction to the Upper Pajaro Native Ecosystem Enhancement Tool and Provide Feedback. [25-0614](#)

Recommendation: Receive and discuss introduction to the Upper Pajaro Native Ecosystem Enhancement Tool and provide feedback as necessary.

Manager: John Bourgeois, 408-630-2990

Est. Staff Time: 10 Minutes

- 4.3. Review and Receive Updates on the Environmental and Water Resources Committee's Working Groups. [25-0615](#)

Recommendation: A. Review and receive updates on the Environmental and Water Resources Committee's Working Groups, and  
B. Provide comments to the Board on implementation of Valley Water's mission applicable to working groups' recommendations.

Manager: Candice Kwok-Smith, 408-630-3193

Attachments: [Attachment 1: EWRC Working Groups July 2025](#)  
[Attachment 2: EWRC FINAL Working Group Restructure](#)

Est. Staff Time: 5 Minutes

- 4.4. Review Environmental and Water Resources Committee Work Plan, the Outcomes of Board Action of Committee Requests; and the Committee's Next Meeting Agenda. [25-0628](#)

Recommendation: Review the Committee work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.



Manager: Candice Kwok-Smith, 408-630-3193  
Attachments: [Attachment 1: EWRC 2025 Work Plan](#)  
[Attachment 2: EWRC Work Plan Appendix](#)  
Est. Staff Time: 5 minutes

**5. STANDING ITEMS**

- 5.1. Director's Reports.
- 5.2. Manager's Reports.

**6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.**

*This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.*

**7. ADJOURN:**

- 7.1. Adjourn. The Next Regular Meeting is Scheduled at 6:00 p.m. on October 20, 2025.

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# Santa Clara Valley Water District

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**File No.:** 25-0616

**Agenda Date:** 7/21/2025

**Item No.:** 3.1.

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## **COMMITTEE AGENDA MEMORANDUM** **Environmental and Water Resources Committee**

Government Code § 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A - Gov. Code § 84308)

### **SUBJECT:**

Approval of April 21, 2025 Environmental and Water Resources Committee Minutes.

### **RECOMMENDATION:**

Approve the minutes.

### **SUMMARY:**

In accordance with the Ralph M. Brown Act, a summary of Committee discussions, and details of all actions taken by the Environmental and Water Resources Committee, during all open and public Committee meetings, is transcribed and submitted to the Committee for review and approval.

Upon Committee approval, minutes transcripts are finalized and entered into the Committee's historical record archives and serve as the official historical record of the Committee's meeting.

### **ENVIRONMENTAL JUSTICE IMPACT:**

There are no Environmental Justice impacts associated with this item.

### **ATTACHMENTS:**

Attachment 1: 042125 EWRC Minutes

### **UNCLASSIFIED MANAGER:**

Candice Kwok-Smith, 408-630-3193

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## ENVIRONMENTAL AND WATER RESOURCES COMMITTEE

# DRAFT MINUTES

**Monday, April 21, 2025**

(Paragraph numbers coincide with agenda item numbers)

A regularly scheduled meeting of the Environmental and Water Resources Committee (Committee) Meeting was held on January 27, 2025, at Santa Clara Valley Water District, Headquarters Building, 5700 Almaden Expressway, San Jose, California.

### 1. **CALL TO ORDER/ROLL CALL**

Committee Chair Charles Ice called the meeting to order at 6:01 p.m. A quorum was established with 10 members present.

Members in attendance were:

District 1: Loren Lewis

District 2: Chairperson Charles Ice, Edgar Echevarria, Uyen Mai

District 4: Bob Levy

District 5: Patrick Kwok , Mike Michitaka

District 6: Rebecca Gallardo

District 7: Tess Byler, Vice Chairperson Arthur M. Keller, Ph.D.

Members not in attendance were:

District 1: Swanee Edwards

District 3: Charles Taylor, Bill Roth

District 5: Rachel Lam

District 6: Jim Piazza, Eleni Jacobson

Board members in attendance were: Director Nai Hsueh (District 5).

Staff members in attendance were: Aaron Baker, John Bourgeois, Samantha Greene, Chris Hakes, Dave Leon, Kirsten Struve, and Jing Wu.

Public in attendance were: XXX-XXX-8214, Rebecca's iPhone, and Richard Santos.

### 2. **PUBLIC COMMENT**

Chairperson Ice declared time open for public comment on any item not on the agenda. There was no one who wished to speak.

**3. APPROVAL OF MINUTES**

**3.1 APPROVAL OF JANUARY 27, 2025 ENVIRONMENTAL AND WATER RESOURCES COMMITTEE MINUTES**

Recommendation: Approve the minutes.

It was moved by Member Byler, seconded by Member Gallardo, and carried by a vote of 9-0, to approve the January 27, 2025 Committee meeting minutes as submitted. Member Michitaka abstained.

**4. REGULAR AGENDA ITEMS**

**4.1. RECEIVE INFORMATION AND PROVIDE FEEDBACK ON VALLEY WATER'S WATER SUPPLY MASTER PLAN 2050**

Recommendation: Provide feedback on the development of Water Supply Master Plan 2050.

Jing Wu reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachments 1 and 2. Jing Wu, Aaron Baker, and Kirsten Struve were available to answer questions.

Discussion ensued relating to shortage estimates and funding sources for the Anderson Dam project, groundwater banking, detecting and preventing leaks, and funding coordination

The Committee received the information and took no formal action.

**4.2 RECEIVE UPDATE AND PROVIDE FEEDBACK ON WEST VALLEY AND LOWER PENINSULA WATERSHED MASTER PLANS**

Recommendation: Receive an update on the West Valley and Lower Peninsula Watershed Master Plans and provide feedback as necessary.

Samantha Greene reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachments 1 and 2. Samantha Greene, Aaron Baker, John Bourgeois, and Lisa Bankosh were available to answer questions.

Discussion ensued relating to target groups to engage to build a community network, the effect of watersheds on wildlife, and sea level rise.

The Committee received the information and took no formal action.

**4.3 REVIEW AND RECEIVE UPDATES ON THE ENVIRONMENTAL AND WATER RESOURCES COMMITTEE'S WORKING GROUPS**

Recommendation:

A. Review and receive updates on the Environmental and Water Resources Committee's Working Groups, and

B. Provide comments to the Board on implementation of Valley Water's mission applicable to working groups' recommendations.

Dave Leon and John Bourgeois reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachments 1 and 2, and was available to answer questions.

Without discussion, the Committee received the information and took no formal action.

**4.4 REVIEW ENVIRONMENTAL AND WATER RESOURCES COMMITTEE WORK PLAN, THE OUTCOMES OF BOARD ACTION OF COMMITTEE REQUESTS; AND THE COMMITTEE'S NEXT MEETING AGENDA**

Recommendation: Review the Committee work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.

Dave Leon and John Bourgeois reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachments 1 and 2 and were available to answer questions.

Discussion ensued relating to possible movement of items from the October agenda to the July agenda.

The Committee received the information and took no formal action.

**5. STANDING ITEMS**

**5.1 DIRECTOR'S REPORTS**

Director Hsueh welcomed the newly-appointed Committee members.

**5.2 MANAGER'S REPORTS**

No reports were given.

**6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE'S REQUESTS TO THE BOARD**

The Committee took no action.

**7. ADJOURNMENT**

**7.1 ADJOURN**

Chairperson Ice adjourned the meeting at 7:25 p.m. to the next regular meeting on Monday, July 21, 2025 at 6:00 p.m.

Dave Leon  
Assistant Deputy Clerk II

Date approved:

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# Santa Clara Valley Water District

File No.: 25-0565

Agenda Date: 7/21/2025

Item No.: 4.1.

## COMMITTEE AGENDA MEMORANDUM Environmental and Water Resources Committee

Government Code § 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A - Gov. Code § 84308)

### SUBJECT:

Receive Information and Provide Feedback on Valley Water's Draft Water Supply Master Plan 2050.

### RECOMMENDATION:

Provide feedback on the draft Water Supply Master Plan 2050.

### SUMMARY:

The Water Supply Master Plan (WSMP) is Santa Clara Valley Water District's (Valley Water) guiding document for long-term water supply investments to ensure water supply reliability for Santa Clara County. Updated approximately every five years, this long-range plan assesses projected future county-wide demands and evaluates and recommends water supply and infrastructure projects to meet those demands to achieve Valley Water's level of service goal through the planning horizon. Valley Water's level of service goal, as established in Board Ends Policy E2, is to "Meet 100 percent of annual water demand during non-drought years and at least 80 percent of demand in drought years."

Valley Water has developed the WSMP 2050 to evaluate and respond to changing conditions such as severe drought, reductions in imported water supplies, shifting water demands, and concerns about affordability. The WSMP 2050 addresses both existing and emerging challenges and identify strategies to maintain the reliable water supply system for Santa Clara County through 2050. The WSMP 2050 planning effort spanned two years with five updates to this committee. The resulting draft WSMP 2050 is attached (Attachment 1). This memorandum summarizes the key aspects of the draft WSMP 2050 and recommendations.

### Planning Goal

Valley Water's mission is to provide a safe and reliable water supply now and in the future. To that end and consistent with Board Ends Policies, the planning goals of the WSMP 2050 are to:

- Ensure reliability and sustainability of the existing water supply system
- Diversify water supplies to meet the Level of Service goal
- Minimize the risk of shortage and disruption
- Maintain affordable water rates through cost-effective water supply investments and management

## Planning Approach

The WSMP 2050 analyzes four alternative futures based on the combination of demand projections and forecasted imported water supplies. This approach is intended to account for uncertainty in forecasted future demand and supply and provide an adaptive framework for decision-making.

- A. Stable Demand and Moderately Impacted Imports
- B. Stable Demand and Severely Impacted Imports
- C. High Demand and Moderately Impacted Imports
- D. High Demand and Severely Impacted Imports

The stable demand assumes demands stay flat at 2030 levels through 2050 at 330,000 acre-feet per year (AFY), while the high demand is projected to be 350,000 AFY by 2050. Demand projections assume Valley Water achieves its long-term conservation goals. The imported water baseline supply scenarios were selected from the Department of Water Resources (DWR) modeling. The moderately impacted imports scenario represents imported water deliveries with small impact from climate change, while the severely impacted imports scenario represents significantly impacted deliveries, particularly during droughts.

## Need for Investment

Under each of the four future conditions, water supply needs under the baseline condition were assessed using modeling analysis, to serve as a basis for identifying projects and programs for potential investment. The baseline condition assumes completion of local dam seismic retrofits by 2035, achieving long-term water conservation goals, maintaining Valley Water assets, and expanding recycled water use.

Valley Water's current system and sources of water supply can meet demands during wet and normal years, but **extended droughts remain the biggest water supply challenge**. Under all four potential 2050 futures, Valley Water will experience water shortages if relying only on existing supplies and infrastructure during multi-year droughts. The shortages may start as early as 2030. In 2050, the average shortage over a six-year drought could be as much as 70,000 AFY, depending on the projected demand and imported water supply conditions. These shortages are large and without additional investments, it means Valley Water will have a reduced service level, and therefore less water available to the community. A reduced level of service could have an immediate and real impact on residents and businesses, billions of dollars in economic losses, and could adversely and chronically affect economic development in the county. Valley Water needs to invest in new projects to address those shortages to ensure long-term water supply reliability for the county.

## Water Conservation and Reuse Goals

As part of this plan development, Valley Water developed water conservation and reuse goals to address future shortages. The established water conservation goal for 2050 is 126,000 AFY, which is considered ambitious but implementable and balances benefits with affordability concerns.

The goal for water reuse is to develop 24,000 AFY of potable reuse by 2035, with a long-term vision to maximize water reuse in the county up to 32,000 AFY by 2050. The inclusion of a 2035 goal with

the long-term vision promotes a phased approach that accounts for uncertainty with future demand and wastewater availability while balancing affordability and risk of overinvestment.

### Water Supply Strategy

Valley Water considers and evaluates a broad range of projects in the WSMP 2050 to address future water supply needs, including alternative supply projects, local and imported surface supply projects, storage projects, and recharge projects. The projects were evaluated using a number of criteria, including supply benefit, cost, reliability, likelihood of success, environmental impacts, jurisdiction and partnership, and public acceptance.

The water supply strategies were developed through portfolio analysis and evaluation. To help outline investment options and present tradeoffs, three potential investment strategies were developed - **lower cost, local control, and diversified**, and one representative portfolio for each strategy was selected and summarized in Table 1, along with the total lifecycle cost in 2025 dollars and expected supply or storage benefits.

**Table 1 Multiple Strategies for Water Supply Reliability**

STRATEGY	PROJECTS	COST (BILLION)	ADDED BENEFITS
LOWER COST	San José Direct Potable Reuse	\$4.6	38,000 AFY supply
	Delta Conveyance Project		314,000 AF storage
	B.F Sisk Dam Raise		
	Groundwater Banking (250,000 AF)		Additional system flexibility
	South County Recharge		
LOCAL CONTROL	San José Direct Potable Reuse	\$6.7	32,000 AFY of supply
	Palo Alto Potable Reuse		290,000 AF storage
	Pacheco without Partners		
	Groundwater Banking (150,000 AF)		Additional system flexibility
	South County Recharge		
DIVERSIFIED	San José Direct Potable Reuse	\$5.9	38,000 AFY supply
	Delta Conveyance Project		505,000 AF storage
	B.F Sisk Dam Raise		
	Pacheco with Partners		Additional system flexibility
	Groundwater Banking (350,000 AF)		
	South County Recharge		

Each strategy represents a pathway to future water supply reliability, but with tradeoffs:

- **Lower Cost** - Focuses on affordability and minimizing costs, with a mix of supply and storage projects. However, it has high risks, as all major projects require partnership and institutional agreements to be successful.
- **Local Control** - Focuses on the projects in the County that Valley Water exercises more control. However, it has the highest cost, as it includes the three most expensive projects

being considered (two potable reuse projects and Pacheco).

- **Diversified** - Focuses on diversifying the existing system with a diverse set of projects. However, it has a relatively high cost and more institutional complexity since it includes more projects. This strategy can also meet the high demand for the worst-case future condition.

The three strategies serve as the basis for developing an adaptive management framework. Each strategy includes South County Recharge to help improve water supply reliability in South County.

### **Adaptive Management**

Since there are different strategies to achieve future water supply reliability and given uncertainty in project development and future supply and demand conditions, an adaptive management approach was developed to provide the Board with flexibility and the ability to make incremental investment decisions. The adaptive framework includes a roadmap and annual reporting. The roadmap outlines near- and mid-term actions and defines indicators and conditions to guide project decisions. The annual reporting tracks project progress and provides up-to-date information to help inform decision-making.

The roadmap includes recommended actions at different timelines, especially immediate actions as the starting point of the adaptive management framework:

- **Now** - focus on the **Lower Cost** strategy, which includes San Jose Potable Reuse, B.F. Sisk Dam Raise, Delta Conveyance Project, Groundwater Banking, and South County Recharge; Continue planning for Pacheco and Sites; Continue the Desalination feasibility study; Continue implementing conservation programs.
- **Near-term (2-3 years)** - Assess success/progress on project planning and implementation; Make project funding, participation, or go/no-go decisions based on indicators, new information, and actual conditions; Continue planning for other projects.
- **Mid-term (5 years)** - Assess progress on project implementation; Update demand projections and water supply outlook; Update WSMP

Annual reporting through the Monitoring and Assessment Program (MAP) will be a critical component of the adaptive management framework. A standard MAP report will be devised to track key elements of the WSMP, including progress on projects, conditions of indicators, and whether any adjustments are recommended. The timing of the MAP will be aligned with the annual Capital Improvement Program (CIP) Five-Year Plan and water rate-setting cycle to support related decision-making.

### **Next Steps**

Staff will address comments, finalize the plan, and bring the final plan for Board adoption in the Fall.

### **ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:**

The Water Supply Master Plan addresses water supply equity by ensuring a cost-effective, high-

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quality supply is available for all of Santa Clara County, including disadvantaged communities.

**ATTACHMENTS:**

Attachment 1: Draft WSMP 2050

Attachment 2: PowerPoint

**UNCLASSIFIED MANAGER:**

Kirsten Struve, 408-630-3138

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Please go to the following link to review the full document:

<https://www.valleywater.org/your-water/water-supply-planning/water-supply-master-plan>



Valley Water

**DRAFT**

# Water Supply Master Plan 2050

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# Water Supply Master Plan 2050

Environmental and Water Resources Committee, July 21, 2025



# Water Supply Needs and Challenges

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Multi-year droughts

Climate change impact

Aging infrastructure

Affordability



# Needs and Purpose of WSMP

- Guiding document for long-term water supply investments
- Address existing and emerging challenges and identify strategies to maintain the reliable water supply system
- Adapt to changing conditions

# Planning Goals to Achieve Level of Service 4

Meet 100% of annual water demand during non-drought years and at least 80% of demand in drought years – **Board Policy E.2-2.1**



**System reliability**



**Reduced shortage risk**



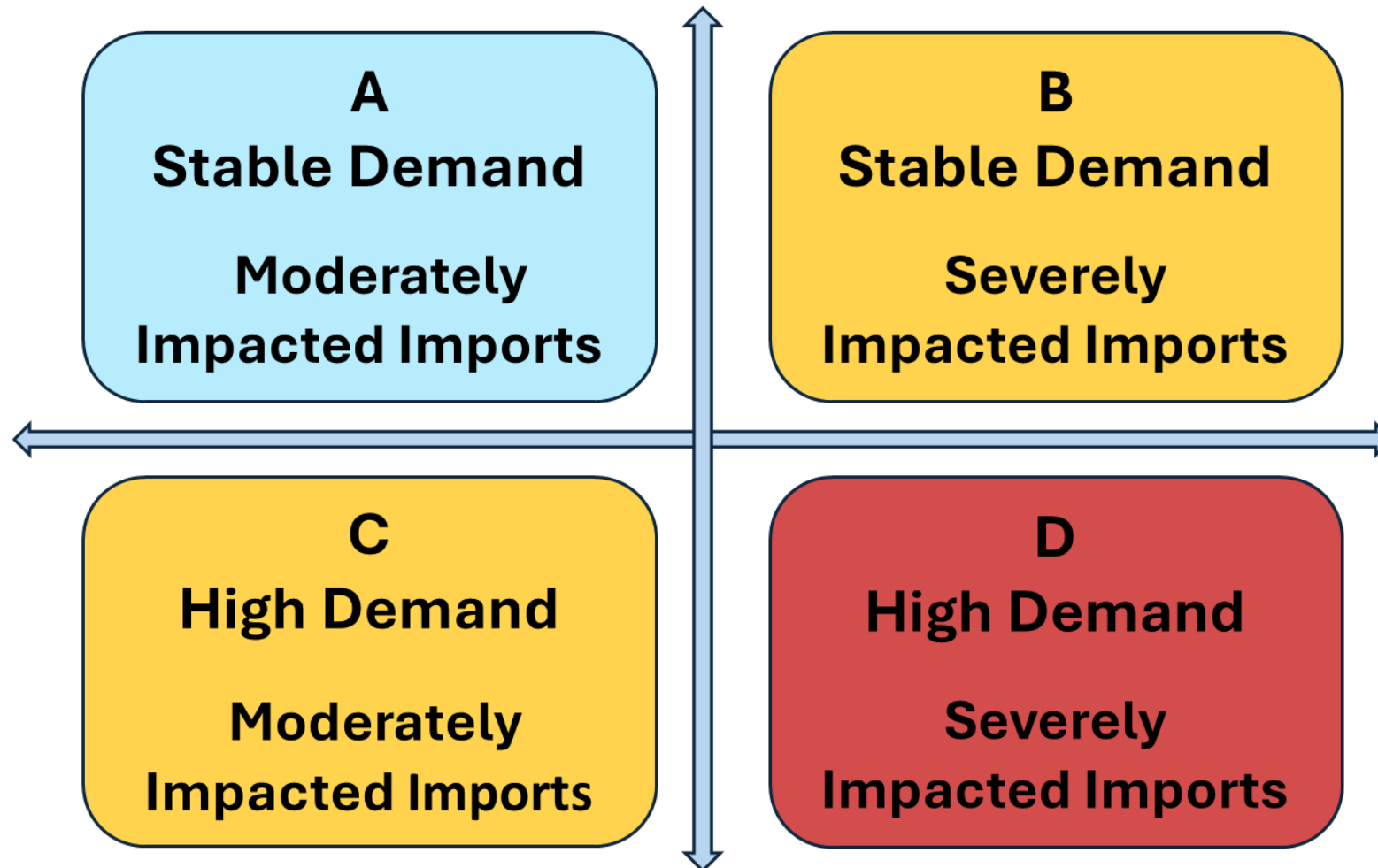
**Supply diversification**



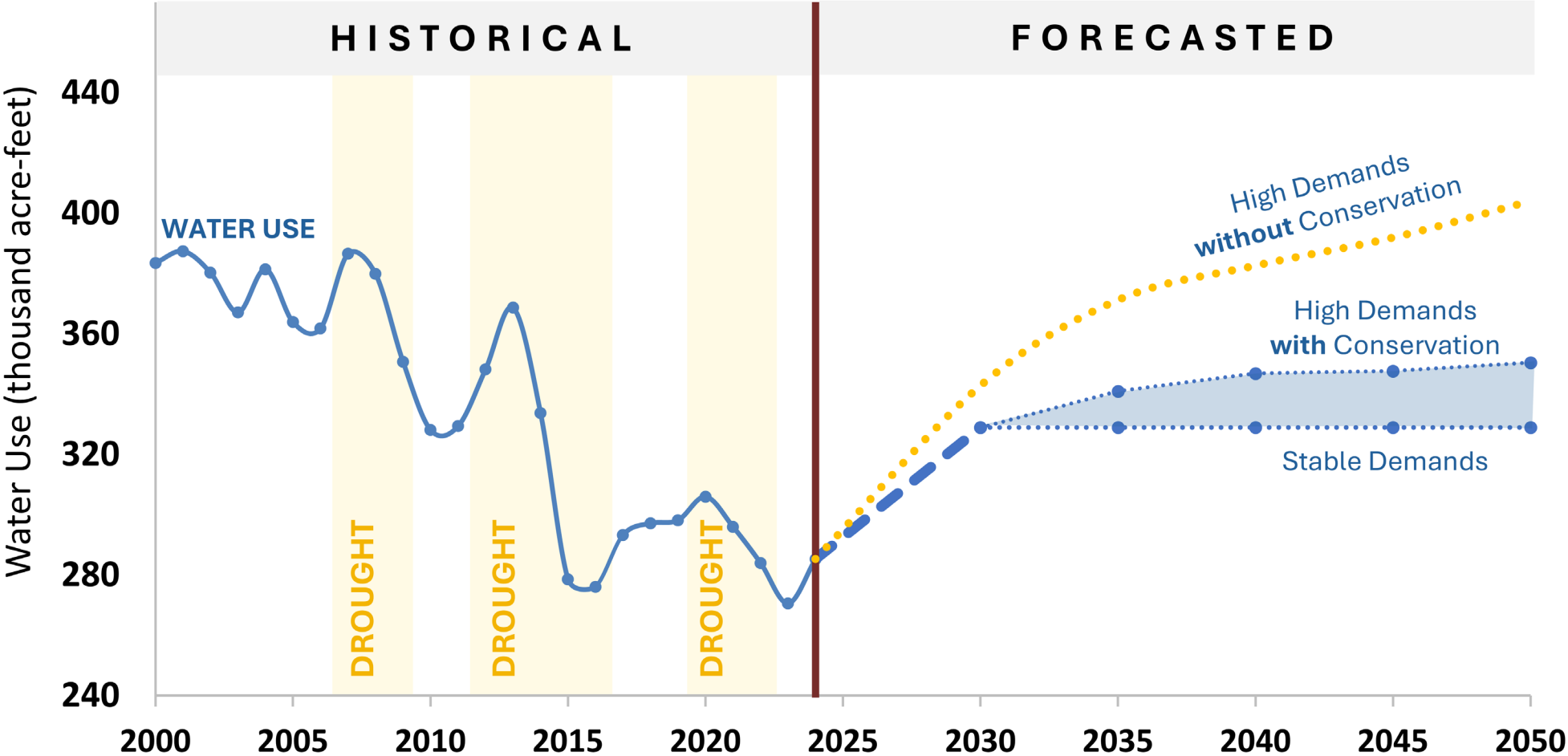
**Affordable rates**

# Planning for Multiple Future Conditions

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# Historical and Forecasted Demand



Demand modeling integrates historic water use trends, housing and economic growth, climate change, and post-drought water use rebound. **26**



# Imported Water Supply

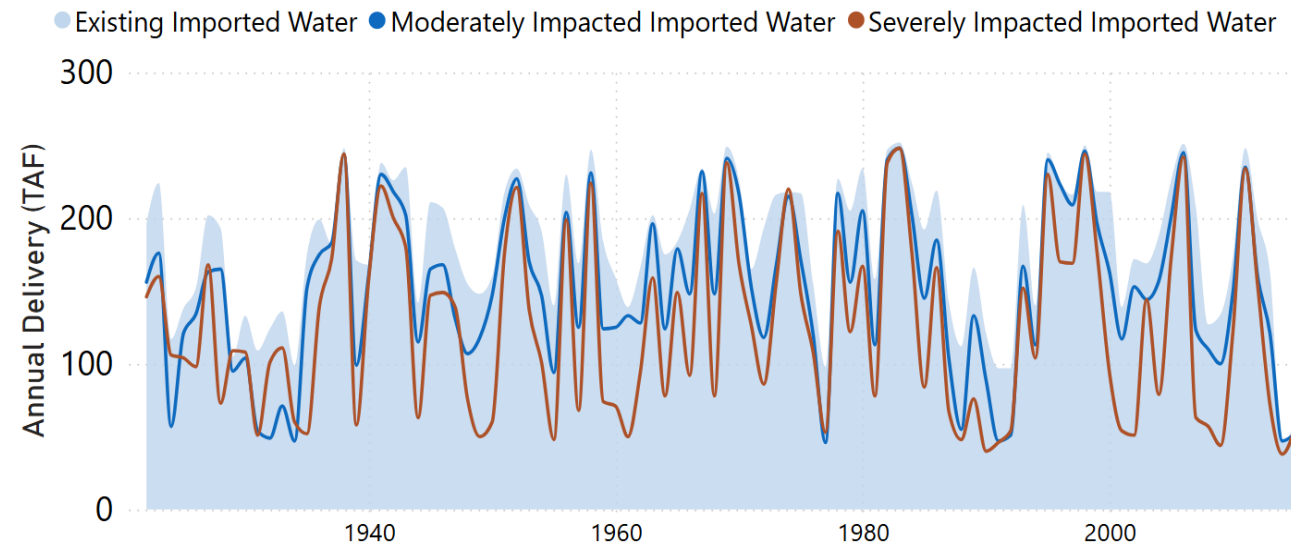
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## Two imported water scenarios

- Moderately impacted imports
- Severely impacted imports

Climate change considered

Future Projected SWP and CVP Imported Water



# Baseline Assessment - Assumptions

8

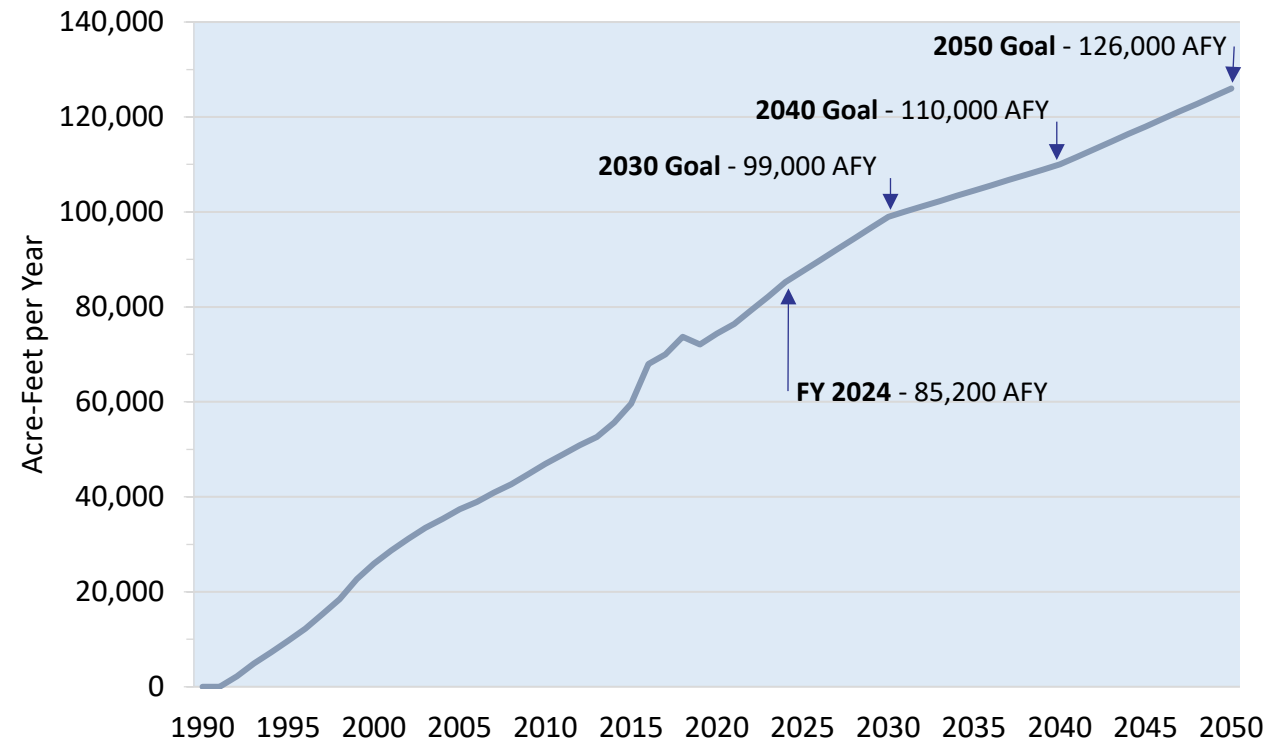
Achieve long-term conservation goals

Complete dam seismic retrofits by 2035

Maintain Valley Water assets

Recycled water use

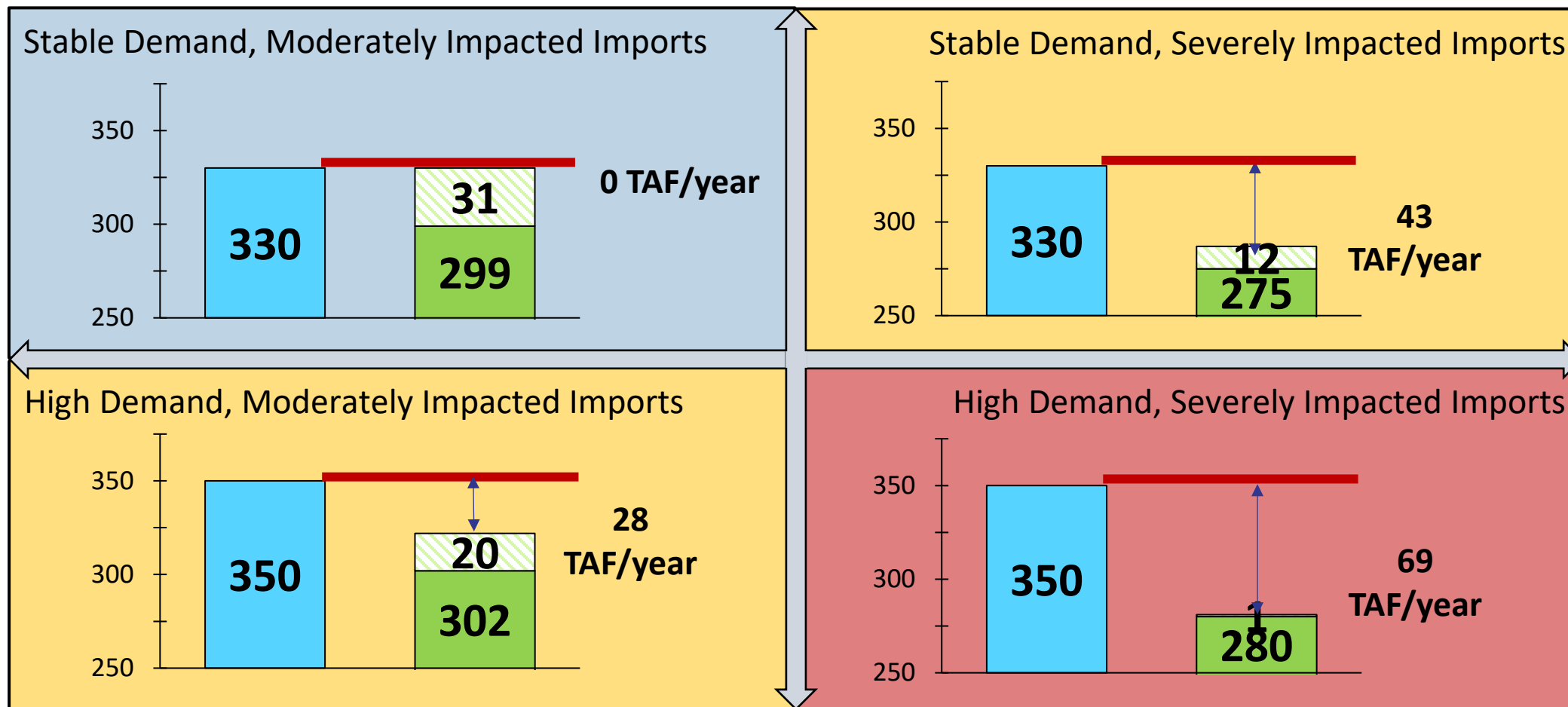
Water Conservation Savings Progress





# Baseline Assessment – Drought in 2050

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■ Demand

■ Supply

■ Semitropic

# Needs for Investment

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- Potential impacts of lower level of service
  - Quality of life
  - Economic impact
  - Irrigation for parks and trees
  - Agricultural production
  - Subsidence
- Billions in economic losses



# Project Options Grouped by Primary Benefits

## Alternative Supply

Palo Alto Potable Reuse  
San José Direct Potable Reuse  
Refinery Recycled Water Exchange  
Local Seawater Desalination

## Surface Supply

Delta Conveyance Project  
Sites Reservoir

## Storage

Pacheco Reservoir Expansion  
Groundwater Banking  
B.F. Sisk Dam Raise

## Recharge

Coyote Valley Recharge Pond  
Butterfield Channel Managed Aquifer Recharge  
Madrone Channel Expansion  
San Pedro Ponds Improvement Project

# Cost of Major Supply Projects

All costs are in 2025 dollars

Project	Average Annual Supply (AF)	Capital Cost (Million)	Annual O&M (Million)	Present Value (PV) Lifecycle Cost* (Million)	Lifecycle Cost PV/Yield PV (\$/AF)	Annualized Unit Cost (\$/AF)
Palo Alto Potable Reuse	8,000	\$800	\$13.2	\$1,740	\$11,620	\$10,300
San José Direct Potable Reuse	24,000	\$2,190	\$31.1	\$2,980	\$7,120	\$5,880
Local Seawater Desalination	24,000	\$2,190	\$31.1	\$2,980	\$7,120	\$5,880
Refinery Recycled Water Exchange	8,000	\$260	\$9.5	\$470	\$2,900	\$2,760
Delta Conveyance Project	14,000	\$670	\$1.8	\$780	\$2,800	\$1,950
Sites Reservoir	5,000	\$150	\$0.7	\$140	\$1,280	\$1,090



Lifecycle of 50 years for DCP and Sites, and 30 years for all other projects

# Cost of Storage Projects

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All costs are in 2025 dollars

Project	Storage (AF)	Capital Cost (Million)	Annual O&M (Million)	PV Lifecycle Cost (Million)	Lifecycle Cost PV/Storage Capacity (\$/AF)
B.F. Sisk Dam Raise	60,000	\$450	\$1.9	\$540	\$8,960
Pacheco Reservoir Expansion	140,000	\$2,208	\$2.6	\$1,820	\$12,970
Groundwater Banking	350,000	\$290	\$2.9	\$380	\$1,100

Lifecycle of 50 years for storage projects



# Conservation and Potable Reuse Goals

14



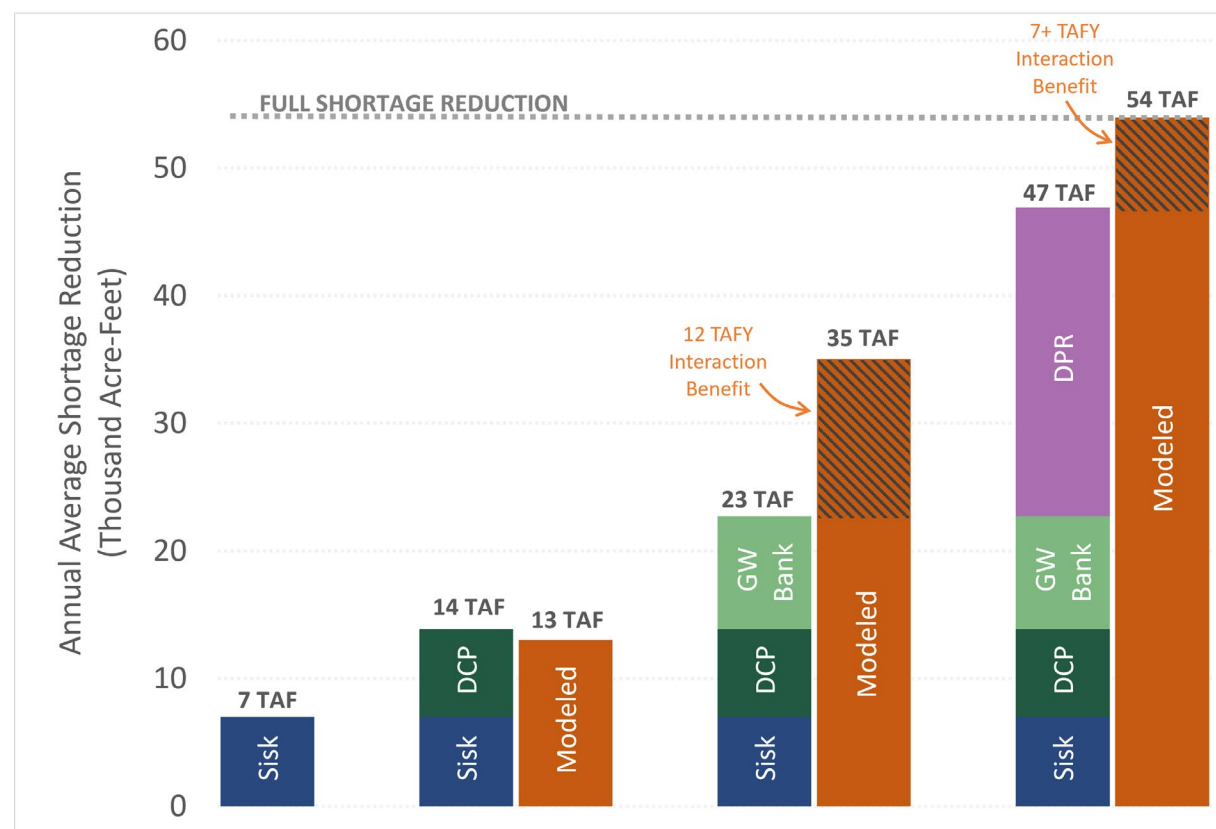
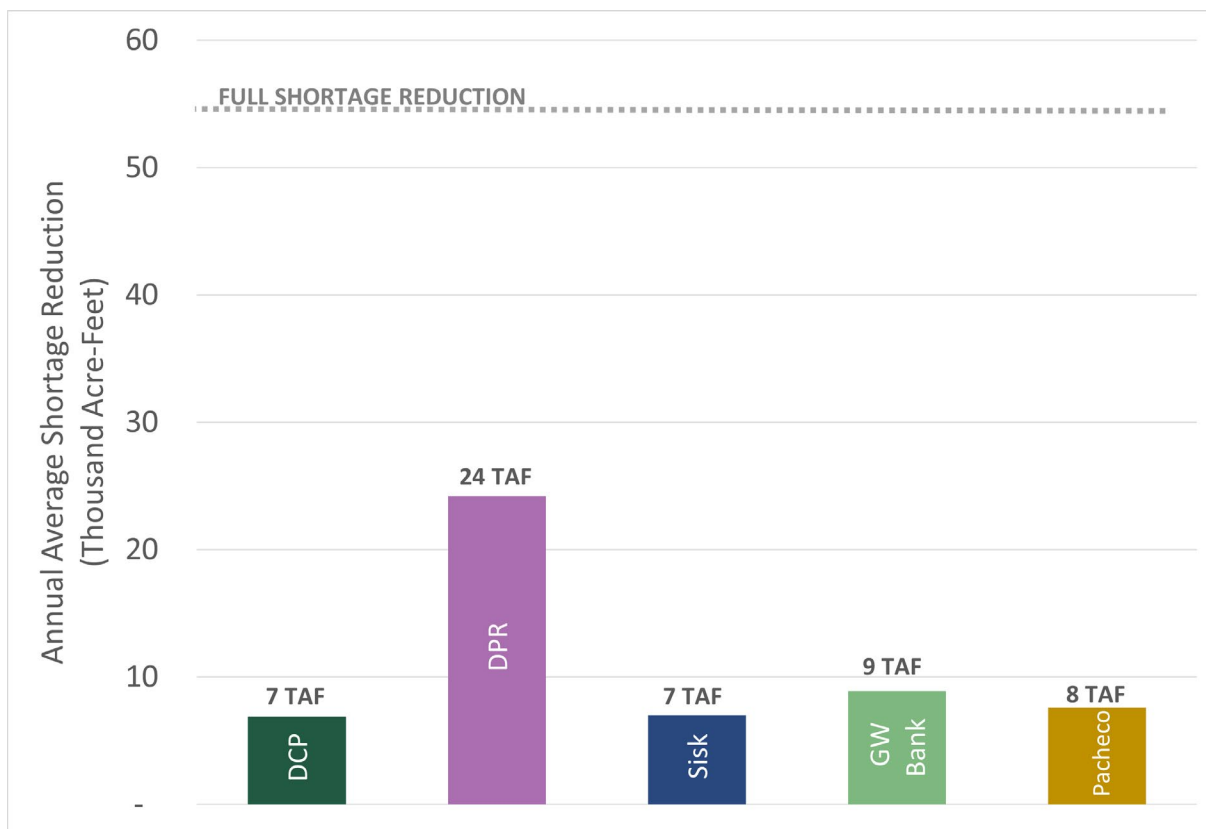
- Water conservation goal
  - 126,000 AFY by 2050



- Potable reuse goal
  - 24,000 AFY by 2035
  - Long-term vision to maximize water reuse up to 32,000 AFY by 2050

# Portfolio Analysis

15



- Average annual shortage reduction during a six-year drought in 2050, stable demand and severely impacted imports
- Lower cost strategy
- Pacheco is shown with partners

# Strategies for Water Supply Reliability

16

## Lower Cost (\$4.6 Billion)



## Local Control (\$6.7 Billion)



## Diversified (\$5.9 Billion)





# Adaptive Management

- Planning under deep uncertainty
  - Projects still evolving
  - Uncertainty with forecasted future supply and demand
- Adaptive management framework to provide flexibility for making incremental investment decisions
- Roadmap and annual reporting

# Adaptive Management Roadmap

## NOW

- Focus on Lower Cost Portfolio
- Continue planning for other projects (Pacheco, Sites)
- Start Desal feasibility study
- Continue implementing conservation programs

## NEAR-TERM (2-3 YEARS)

- Assess progress on project planning and implementation
- Make project decisions based on triggers, new information, and actual conditions
- Continue planning for other projects

## MID-TERM (5 YEARS)

- Assess progress on project implementation
- Update demand projections and water supply outlook
- Update WSMP

Annual MAP report

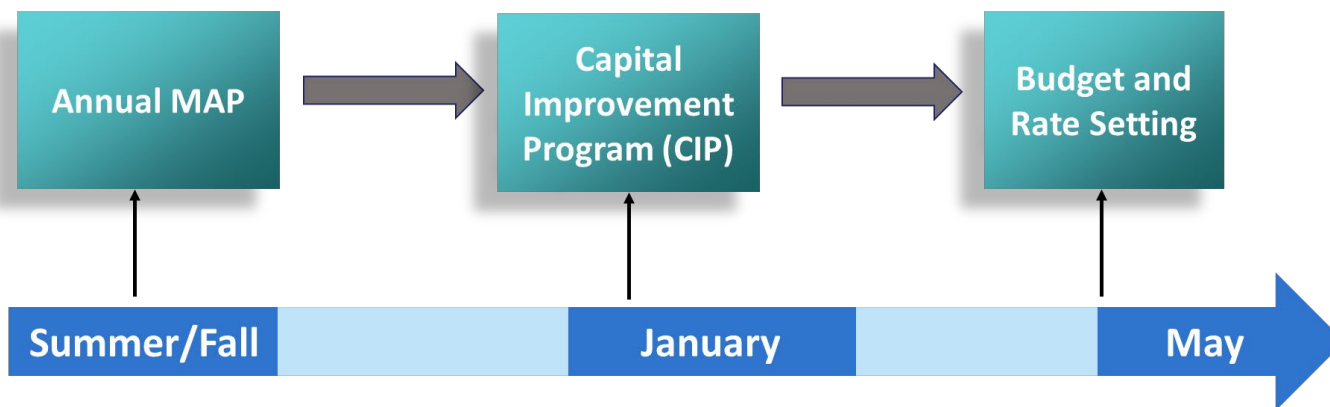
## INDICATORS



Sisk negotiation  
DPR project progress  
Project decisions

# Annual Reporting for Adaptive Process

- Track project progress
- Report conditions of indicators
- Recommend actions as needed



- **Indicators**

- Sisk negotiation
- DPR project progress
- Upcoming project decisions
- Groundwater Bank negotiation
- Regulatory and permitting issues
- Annual supply
- Annual water use
- Conservation progress
- Growth trend/demand
- Regional agreements and decisions by other agencies

# Plan Organization

## Executive Summary

1 – Introduction

2 – Water Supply System

3 – Water Supply Challenges

4 – Water Supply Needs Assessment

5 – Project Options

6 – Water Supply Strategies

7 – Adaptive Management

8 – Stakeholder Outreach

## LIST OF APPENDICES

A - Potable Reuse Goal

B - 2050 Conservation Goal

C - Demand Model Development

D - Water Supply Modeling

E - Water Shortage Impacts

F - Cost Analysis Method and Assumptions

G - Additional Portfolios

# Next Steps

- Stakeholder outreach
- Plan finalization
- Plan adoption in the Fall

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# Santa Clara Valley Water District

File No.: 25-0614

Agenda Date: 7/21/2025

Item No.: 4.2.

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## COMMITTEE AGENDA MEMORANDUM Environmental and Water Resources Committee

Government Code § 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A - Gov. Code § 84308)

### SUBJECT:

Receive and Discuss Introduction to the Upper Pajaro Native Ecosystem Enhancement Tool and Provide Feedback.

### RECOMMENDATION:

Receive and discuss introduction to the Upper Pajaro Native Ecosystem Enhancement Tool and provide feedback as necessary.

### SUMMARY:

This is an informational item. Comments from the Committee would be appreciated but no action is required.

Valley Water, in partnership with the San Francisco Estuary Institute, is developing the Upper Pajaro Native Ecosystem Enhancement Tool (UPNEET), a data-driven interactive online tool to identify areas for ecosystem protection and enhancement in the valleys and foothills of the Santa Clara County portion of the Pajaro River watershed. UPNEET was one of the near-term ecological resource recommendations from Valley Water's Upper Pajaro Watershed Master Plan (aka One Water plan) that was presented to this Committee on April 17, 2023, and it builds directly from the Watershed Master Plan data compilation and analysis effort. Staff will present the process and schedule for UPNEET development, goals and objectives, stakeholders and technical advisors, and a preview of the expected content. UPNEET will include recommendations for aquatic, riparian, and upland habitat enhancement and connectivity, and input from the Committee will be valuable to the tool's development

### ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no environmental justice impacts associated with this item.

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**File No.:** 25-0614

**Agenda Date:** 7/21/2025  
**Item No.:** 4.2.

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**ATTACHMENTS:**

None.

**UNCLASSIFIED MANAGER:**

John Bourgeois, 408-630-2990





# Santa Clara Valley Water District

**File No.:** 25-0615

**Agenda Date:** 7/21/2025

**Item No.:** 4.3.

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## **COMMITTEE AGENDA MEMORANDUM Environmental and Water Resources Committee**

Government Code § 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A - Gov. Code § 84308)

### **SUBJECT:**

Review and Receive Updates on the Environmental and Water Resources Committee's Working Groups.

### **RECOMMENDATION:**

- A. Review and receive updates on the Environmental and Water Resources Committee's Working Groups, and
- B. Provide comments to the Board on implementation of Valley Water's mission applicable to working groups' recommendations.

### **SUMMARY:**

At the Committee's October 2021, meeting, the Committee approved the working groups' structure to align with the issues and policies that the Board of Directors has on their work plan and calendar for the fiscal year.

The Board will continue to keep the Committee informed of the working groups' activities and results.

This will be a standing agenda item.

### **BACKGROUND:**

The District Act provides for the creation of advisory boards, committees, or commissions by resolution to serve at the pleasure of the Board.

Accordingly, the Board has established Board Committees, which bring respective expertise and community interest, to advise the Board, when requested, in a capacity as defined: prepare Board policy alternatives and provide comment on activities in the implementation of the District's mission for Board consideration. In keeping with the Board's broader focus, Board Committees will not direct

the implementation of District programs and projects, other than to receive information and provide comment.

Further, in accordance with Governance Process Policy-3, when requested by the Board, the Board's Committees may help the Board produce the link between the District and the public through information sharing to the communities they represent.

**ATTACHMENTS:**

Attachment 1: EWRC Working Groups July 2025

Attachment 2: EWRC FINAL Working Group Restructure

**UNCLASSIFIED MANAGER:**

Candice Kwok-Smith, 408-630-3193

## FY 2025 EWRC Working Groups

Working Group Number/Title		Member Name	Lead	Total Members
EWRC Oversight Manager: John Bourgeois, jbourgeois@valleywater.org, 1-408-630-2990				
1	<b>INTEGRATED WATER RESOURCES MANAGEMENT:</b>			
Valley Water Staff Liaison: Heidi Williams, heidiwilliams@valleywater.org, 1-408-630-3112		Tess Byler, Charles Ice, Loren Lewis	Tess Byler	3
2	<b>WATER SUPPLY:</b>			
Valley Water Staff Liaison: Jing Wu, jwu@valleywater.org, 1-408-630-2330		Arthur M. Keller, Patrick S. Kwok, Mike Michitaka, Jim Piazza	Arthur Keller	4
3	<b>NATURAL FLOOD PROTECTION:</b>			
Valley Water Staff Liaison: Katie Muller, kmuller@valleywater.org, 1-408-630-2934		Arthur M. Keller, Mike Michitaka, Charles Taylor, Tess Byler	Arthur Keller	4
4	<b>ENVIRONMENTAL STEWARDSHIP:</b>			
Valley Water Staff Liaison: John Bourgeois jbourgeois@valleywater.org, 1-408-630-2990		Swanee Edwards, Bob Levy, Jim Piazza, Rebecca Gallardo	Bob Levy	4
5	<b>CLIMATE CHANGE:</b>			
Valley Water Staff Liaison: Nick Mascarello, nmascarello@valleywater.org, 1-408-630-3147		Bob Levy, Charles Taylor	Bob Levy	2

## FY 2025 EWRC Working Groups

Working Group Number/Title	Member Name	Lead	Total Members
Lead Member			
<p><b>SPECIAL NOTES:</b>            See 2021 EWRC Working Group Restructure Guidelines.  <b>Members should limit the number of working groups they participate in because of possible Brown Act Violations (2-3 groups only).</b>  <b>Please Note: You will be sharing your phone number and email address with the other members when signing up for a working group.</b>            When planning meetings, the Group Chair (Lead) should contact Dave Leon via email (<a href="mailto:daveleon@valleywater.org">daveleon@valleywater.org</a>) and John Bourgeois (<a href="mailto:jbourgeois@valleywater.org">jbourgeois@valleywater.org</a>) with meeting date/time and location and how many members are expected to attend.</p>			

## Environmental and Water Resources Committee

### Draft Work Plan Revisions, Working Groups

Originated on August 10, 2021

(Latest revision: October 19, 2021)

The Environmental and Water Resources Committee (EWRC) has a broad mandate that includes all aspects of the Valley Water mission (see attached excerpt from Board Resolution 17-75). However, this broad mandate can at times result in a dilution of purpose. These draft work plan revisions are aimed at focusing the EWRC's efforts in a way that takes better advantage of the resources and experience of a strong and diverse membership, while strengthening the advisory role of the EWRC to the benefit of the Valley Water Board and staff.

The EWRC takes its direction from the Board. Action items as directed by the Board will take top priority in Committee business.

The defined roles of the EWRC are to:

1. Provide input on policy.
2. Provide comment on activities in the implementation of Valley Water's mission.
3. Act as a link between Valley Water and the public.
4. Produce and present an Annual Accomplishments Report.

With these simple guiding principles in mind, to make the committee more directly connected to its stated purpose, we propose the following structure:

### Policy and Implementation Input (roles 1 and 2 above)

The formation of 5 Working Groups:

1. **Integrated Water Resources Management** (sample topics: One Water Plan [Integrated Water Resources Master Plan], Flood-MAR [Managed Aquifer Recharge], Green stormwater infrastructure); staff liaison: Senior Water Resources Specialist overseeing One Water (currently Brian Mendenhall)
2. **Water Supply** (sample topics: Anderson Dam Seismic Retrofit project, Purified Water, Pacheco Reservoir Expansion Project); staff liaison: Senior Water Resources Specialist (currently Jing Wu)
3. **Natural Flood Protection** (sample topics: Shoreline Phase 2, Upper Penitencia Creek); staff liaison: Unit Manager (currently Afshin Rouhani)
4. **Environmental Stewardship** (sample topics: FAHCE, habitat connectivity and riparian corridors, fish passage including gravel and LWD); staff liaison: Unit Manager (currently Lisa Porcella)
5. **Climate Change** (sample topics: Climate Change Action Plan [CCAP] Implementation, GHG methodology updates); staff liaison: Senior Water Resources Specialist overseeing CCAP (currently Brian Mendenhall)

Access to the staff liaisons should be used respectfully, with the intent of 1) clarifying questions on specific topics and 2) obtaining access to background information and/or resources being provided to other committees.

Each Working Group will have 4-8 members and will designate a Lead.

Assigned Work: Assigned tasks by the Board will take priority for the EWRC. When input on an issue is desired by the Board, the item will go first to the Working Group (unless time does not permit and the WG feels the item can go straight to the full Committee). The Working Group will then present recommendations to the full committee for action if deemed appropriate.

Proactive Topics: If there are items that the EWRC would like more information on, and they are not an item requested from the Board, we suggest the following process:

- When applicable, EWRC liaison (see below) will attend the relevant Board or Committee where the item is being discussed.
- Discuss the item at the Working Group level to see if there is consensus on whether an item is appropriate to be brought to the entire Committee.
- Bring the item to the full EWRC during the standing agenda item to review the work plan and vote on whether or not to fully agendaize the item for discussion at a subsequent meeting. If time is short, the Working Group Lead may bring the item to the Chair and Vice Chair of the EWRC who will consult with staff and may agendaize it for the next meeting.
- Questions to consider when voting on an item:
  - Is the item being adequately addressed in another forum (see Standing Items Report for updates)?
  - Will the item, if brought to the EWRC, fall under one of the stated purposes of the Committee?
  - Can the EWRC positively contribute to the item to benefit Valley Water and the community?
  - Is there support from the Board liaisons for spending time on this item?

### **Board and Committee Liaisons** (roles 1 and 2 above)

We recommend that EWRC assign a liaison (plus an alternate) to each Board Committee and that these Committee members briefly report out at each quarterly EWRC (as done under the Working Groups Update, a standing item on the agenda). The Chair will assign at-large appointments, and each Working Group will assign those liaisons for committees designated to that Working Group (see below). Updates will include any items that may be of interest to the EWRC and/or pertinent to the Committee Work Plan.

The Board Committees that we recommend designated liaisons include (with Working Group designation in parenthesis):

- Board Audit Committee (At-Large)
- Board Policy and Planning Committee (At-Large)
- Capital Improvement Program (CIP) Committee (At-Large)
- Diversity and Inclusion Ad Hoc Committee (At-Large)
- Homeless Encampment Committee (Environmental Stewardship)
- Recycled Water Committee (Water Supply)

- Stream Planning and Operations Committee (Environmental Stewardship)
- Water Conservation and Demand Management Committee (Water Supply)
- Water Storage Exploratory Committee (Water Supply)

Roles and responsibilities: The Board Committee liaisons are expected to regularly attend their designated Board Committee meetings, alerting their alternate if they are unable to attend. At those meetings, they will represent EWRC interests, report back to EWRC any items of interest, and elevate recommendations within their Working Groups on any items desired for proactive engagement (see above). The meeting schedule of these committees can be located as part of the regular meeting minutes and ongoing agenda item (Informational Link Reports), as well as at the below links. Typical meeting frequency and duration are listed below but are subject to variances.

<https://www.valleywater.org/how-we-operate/committees/board-committees>

- Board Policy and Planning Committee (BPPC) (typically 1 meeting per month, 2 hours)
- Stream Planning and Operations Committee (SPOC) (formerly FAHCE Ad Hoc Committee, typically every other month, 2 hours)
- Homeless Encampment Committee (typically every other month, 2 hours)
- Water Storage Exploratory Committee (WSEC) meetings are scheduled as called for by the Committee Chair, but typically 2 hours

<https://www.valleywater.org/how-we-operate/committees/board-advisory-committees>

- Redistricting Advisory Committee (RAC) this is a special Committee for Redistricting and will be completed by March 2022.
- Water Conservation and Demand Management Committee (WCaDMC) (typically 1 meeting per month, 2 hours)

### **Stakeholder Engagement** (role 3 above)

The EWRC represents a vital cross-section of the Valley Water constituency. We want to emphasize the EWRC's role in being an extension of the larger community. As such, we request that EWRC members perform three vital functions:

1. Communicate relevant Valley Water issues and project updates to your network.
2. Bring to the Committee any environmental and water resources concerns or issues you are hearing in the community.
3. Bring to the Committee any environmental justice concerns or issues you are hearing in the community.

EWRC members have been carefully selected by Board members to represent a broad cross-section of the community. As leaders in the community, the Board values and relies on the EWRC members to assist in two-way communication with stakeholders and residents.

*Pertinent excerpts from Board Resolution 17-75 on the functions of advisory committees.*



**RESOLUTION 17- 75**  
**PROVIDING FOR AND DEFINING THE STRUCTURE AND FUNCTION OF**  
**ADVISORY COMMITTEES TO THE SANTA CLARA VALLEY WATER DISTRICT**  
**BOARD OF DIRECTORS AND REPEALING RESOLUTION**

...

1.2 The Committees are established to assist the Board with policy review and development, provide comment on activities in the implementation of the District's mission for Board consideration, and to identify Board-related issues pertaining to the following:

1.2.2 Environmental and Water Resources Committee: ***water supply, flood protection, and environmental stewardship.***

...

1.3 In accordance with Governance Process Policy-8, the specific duties of the Committees are to:

1.3.1. Provide ***input on policy alternatives*** for Board deliberation.

1.3.2 Provide ***comment on the activities in the implementation*** of the District's mission for Board consideration.

1.3.3 Produce and present to the Board an ***Annual Accomplishments Report*** summarizing the outcomes of the Committee's annual Board-approved work plan.

1.3.4 Further, in accordance with Governance Process Policy-3, when requested by the Board, the Advisory Committees may help the Board produce the ***link between the District and the public*** through information sharing to the communities they represent.



# Santa Clara Valley Water District

**File No.:** 25-0628

**Agenda Date:** 7/21/2025

**Item No.:** 4.4.

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## **COMMITTEE AGENDA MEMORANDUM** **Environmental and Water Resources Committee**

Government Code § 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A - Gov. Code § 84308)

### **SUBJECT:**

Review Environmental and Water Resources Committee Work Plan, the Outcomes of Board Action of Committee Requests; and the Committee's Next Meeting Agenda.

### **RECOMMENDATION:**

Review the Committee work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.

### **SUMMARY:**

The attached Work Plan outlines the topics for discussion to be able to prepare policy alternatives and implications for Board deliberation. The work plan is agendized at each meeting as accomplishments are updated and to review any work plan assignments by the Board.

### **BACKGROUND:**

#### **Governance Process Policy-8:**

The District Act provides for the creation of advisory boards, committees, or commissions by resolution to serve at the pleasure of the Board.

Accordingly, the Board has established Advisory Committees, which bring respective expertise and community interest, to advise the Board, when requested, in a capacity as defined: prepare Board policy alternatives and provide comment on activities in the implementation of the District's mission for Board consideration. In keeping with the Board's broader focus, Advisory Committees will not direct the implementation of District programs and projects, other than to receive information and provide comment.

Further, in accordance with Governance Process Policy-3, when requested by the Board, the Advisory Committees may help the Board produce the link between the District and the public through information sharing to the communities they represent.

**ENVIRONMENTAL JUSTICE IMPACT:**

There are no Environmental Justice impacts associated with this item.

**ATTACHMENTS:**

Attachment 1: EWRC 2025 Work Plan

Attachment 2: EWRC Work Plan Appendix

**UNCLASSIFIED MANAGER:**

Candice Kwok-Smith, 408-630-3193

## 2025 Work Plan: Environmental and Water Resources Committee

Updated July 2025

The annual work plan establishes a framework for committee discussion and action during the annual meeting schedule. The committee work plan is a dynamic document, subject to change as external and internal issues impacting the District occur and are recommended for committee discussion. Subsequently, an annual committee accomplishments report is developed based on the work plan and presented to the District Board of Directors.

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
1	Election of Chair and Vice Chair for 2025	January 27	•Committee Elects Chair and Vice Chair for 2025. <b>(Action)</b>	<b><u>Accomplished January 27, 2025</u></b> The Committee elected Charles Ice as Chairperson and Arthur Keller as Vice Chairperson
2	Annual Accomplishments Report	January 27	•Review and approve 2024 Accomplishments Report for presentation to the Board. <b>(Action)</b>	<b><u>Accomplished January 27, 2025</u></b> The Committee approved the Accomplishments Report with minor grammatical edits.
3	Update Status of Working Groups	January 27 April 21 July 21 October 20	•Receive updates on the status of the working groups. <b>(Action)</b> •Submit requests to the Board, as appropriate.	<b><u>Accomplished January 27, 2025</u></b> The Committee received the information and took no formal action.
4	Review of Environmental and Water Resources Committee Work Plan, the Outcomes of Board Action of Committee Requests and the Committee's Next Meeting Agenda	April 21 July 21 October 20	•Receive and review the 2025 Board-approved Committee work plan. <b>(Action)</b> •Submit requests to the Board, as appropriate.	<b><u>Accomplished April 21, 2025</u></b> The Committee received the information and took no formal action.
5	Standing Items Report Fiscal Year 2025 Goals and Strategies:	April 21 July 21 October 20	•Receive quarterly reports on standing items. <b>(Information)</b>	<b><u>Accomplished April 21, 2025</u></b> The Committee received the information and took no formal action

## 2025 Work Plan: Environmental and Water Resources Committee

Updated July 2025

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
6	One Water Plan – Lower Peninsula and West Valley Watershed Plans	April 21	<ul style="list-style-type: none"> <li>•Receive information on the two draft Watershed Plans.</li> <li>•Provide feedback to staff. <b>(Action)</b></li> </ul>	<b><u>Accomplished April 21, 2025</u></b> The Committee received the information and took no formal action
7	Water Supply Master Plan Update	April 21	<ul style="list-style-type: none"> <li>•Provide feedback on the Water Supply Master Plan 2050 portfolio development and analysis.</li> </ul>	<b><u>Accomplished April 21, 2025</u></b> The Committee received the information and took no formal action
8	Upper Pajaro Native Ecosystem Enhancement Tool	July 21	<ul style="list-style-type: none"> <li>•Receive information on the Upper Pajaro Native Ecosystem Enhancement Tool.</li> <li>•Provide feedback to staff</li> </ul>	
9	Baylands Projects Update	October 20	Receive an update on the various VW projects occurring along SF Bay.	
10	Anderson Dam Seismic Retrofit Update	October 20	Receive an update on the status of the Anderson Dam Seismic Retrofit project.	
11	Review Fiscal Year 2025-2026 Board Work plan	October 20	<ul style="list-style-type: none"> <li>•Review Fiscal Year 2025-2026 Board Work Plan <b>(Information)</b></li> </ul>	

## EWRC Work Plan Appendix

GOAL	OBJECTIVE	FY23 TACTICS	MONITORING COMMITTEE
<b>INTEGRATED WATER RESOURCES MANAGEMENT</b> <i>"Efficiently manage water resources across business areas."</i>	<u>Objective #1 Challenge/Opportunity</u> <i>The maintenance of Valley Water's infrastructure is crucial to ensuring we continue to provide safe, clean water and critical flood protection for our communities. Timely maintenance is the most cost-effective investment, whereas deferred maintenance disproportionately increases costs and causes unplanned outages and failures risking the population of the county. In addition, aging assets are reaching the end of the design life and will require major recapitalization.</i>	<ul style="list-style-type: none"> <li>• Develop a Fuel Management Policy to guide the incorporation of wildfire planning efforts in an integrated and programmatic way.</li> <li>• Continue a robust preventive maintenance program including monitoring asset condition and risk.</li> <li>• Strategically plan for larger infrastructure renewal projects through Safe Clean Water Project F8 – Sustainable Creek Infrastructure for Continued Public Safety; Water Treatment Plant, Distribution System, and SCADA Implementation Plans; Watersheds and Water Utility Operations and Maintenance Plans; and various Asset Management Plans.</li> <li>• Advance infrastructure renewal projects identified in strategic planning efforts by initiating new Capital or Small Capital Projects, or by conducting work as part of ongoing operations projects.</li> <li>• Develop comprehensive infrastructure master plans for all water utility treatment plant and distribution infrastructure (e.g. pipelines and pump stations) to plan out 30-year capital investments that meet future regulatory requirements, and fold in projects identified in the Asset Management and Operations &amp; Maintenance Plans.</li> <li>• Expedient execution of the adopted Capital program and projects.</li> </ul>	Board Policy and Planning Committee (BPPC) CIP Committee (CIPC)
	<u>Objective #2 Challenge/Opportunity</u> <i>Valley Water continues to pursue legislative and administrative solutions to resolve regulatory and permitting issues at the federal and state levels. The Board's efforts will continue to focus on improving internal capacity when applying for permits, as well as continuing to build relationships with regulatory agencies and staying abreast of the regulatory environment.</i>	<ul style="list-style-type: none"> <li>• Continue to provide for agency-wide regulatory planning and permitting effort and pursue other efforts at the state and federal level to expedite permit review.</li> <li>• Continue to foster better relationships with regulatory agencies and open dialogue with environmental, environmental justice and other stakeholders.</li> <li>• Continue to work with the Regional Water Quality Control Board (RWQCB) under the terms of our memorandum of understanding (MOU) to expedite issue resolution and prevent regulatory overreach.</li> <li>• Collaborate with RWQCB on the Steelhead Regional Temperature Study.</li> </ul>	BPPC
<b>WATER SUPPLY</b> <i>"Provide a reliable, safe, and affordable water supply for current and future generations in all communities served."</i>	<u>Objective #1 Challenge/Opportunity</u> <i>Half of Santa Clara County's water supply is imported from outside the county. At this time, when there is a lot of water, Valley Water may not be able to take advantage of these supplies due to limitations in existing storage and transmission infrastructure as well as regulatory constraints. Having a diverse portfolio of storage options helps Valley Water be resilient. Therefore, Valley Water is evaluating whether diversifying its storage portfolio could help maximize our use of storage and stored water recovery under future conditions. Water storage in reservoirs also</i>	<ul style="list-style-type: none"> <li>• Explore opportunities to develop new surface and groundwater storage projects that help Valley Water meet future water supply needs and be resilient to climate change.</li> <li>• Determine level of participation for projects and decisions about partnerships in accordance with the Water Supply Master Plan and water affordability.</li> <li>• Explore partnership opportunities for the Pacheco Reservoir Expansion Project</li> <li>• Validate Valley Water's continued participation in the Pacheco Reservoir Expansion Project during the MAP review process, bi-annual budget development, and following review and certification</li> </ul>	Water Storage Exploratory Committee (WSEC)

## EWRC Work Plan Appendix

	<i>provides environmental, recreational, and incidental flood risk reduction benefits. Challenges include determining the appropriate level of participation for Valley Water in collaborative water storage projects and prioritizing projects within funding constraints.</i>	of the project's Environmental Impact Report (EIR).	
	<b><u>Objective #2 Challenge/Opportunity</u></b> <i>The Water Supply Master Plan's "Ensure Sustainability" strategy includes securing existing water supplies and infrastructure. Valley Water's local and imported water supplies are vulnerable to climate change impacts, droughts, earthquake, and regulatory requirements that may restrict the amount of available water.</i>	<ul style="list-style-type: none"> <li>• Participate in and influence decisions regarding the Delta Conveyance Project.</li> <li>• Participate in regional water supply resilience efforts.</li> <li>• Build and maintain effective partnerships to increase resiliency.</li> <li>• Complete and implement infrastructure master plans and asset management plans.</li> <li>• Partner with the California Department of Water Resources (DWR) to ensure reliability of the South Bay Aqueduct.</li> </ul>	Water Conservation and Demand Management Committee (WCaDMC) (Groundwater) CIPC (infrastructure projects)
	<b><u>Objective #3 Challenge/Opportunity</u></b> <i>Recycled and purified water is a drought resilient, locally controlled water supply important to long-term sustainability. The Water Supply Master Plan includes developing up to 24,000 acre-feet per year of purified water by 2040. Purified water is recycled water that has been treated further using reverse osmosis and other advanced treatment to make it fit for drinking. Valley Water is pursuing indirect potable reuse which would use this purified water to replenish our groundwater. Implementation challenges include securing wastewater supply contractual agreements with wastewater agencies, available land, stringent regulatory requirements, and implementation costs.</i>	<ul style="list-style-type: none"> <li>• Implement the first phase of the Purified Water Program, including release of a Request For Proposal (RFP) and enter into a contract for an Indirect Potable Reuse project that is implemented via a Public Private Partnership.</li> <li>• Implement the Countywide Water Reuse Master Plan.</li> <li>• Develop a Comprehensive Water Reuse Agreement for South County to advance water reuse and its production, distribution, and wholesaling in South County.</li> <li>• Continue to actively be involved with the Direct Potable Reuse (DPR) guidance and ensure Valley Water is positioned to implement a DPR project in the future.</li> <li>• Continue collaboration on the Silicon Valley Advanced Water Purification Center including building a strong collaborative relationship with the San José-Santa Clara Regional Wastewater Facility to expand the facility.</li> </ul>	Recycled Water Committee (RWC)
	<b><u>Objective #4 Challenge/Opportunity</u></b> <i>As our largest reservoir, Anderson serves not only as a critical water supply facility, but also supports Valley Water's mission of flood protection and environmental stewardship. Given the reservoir's critical importance to ensuring safe, clean water for our communities and to protect public safety, it is imperative that the Anderson Dam Seismic Retrofit Project (ADSRP) move forward expeditiously. This includes the reconstruction of the Dam and completion of the interim risk reduction measures resulting from the February 20, 2020, directive from the Federal Energy Regulatory Commission (FERC).</i>	<ul style="list-style-type: none"> <li>• Maintain the Anderson Reservoir level at the FERC directed level.</li> <li>• Complete the construction on the Anderson Dam Tunnel Project (ADTP).</li> <li>• Complete the design of the ADSRP.</li> <li>• Continue to work with appropriate regulatory agencies to advance the ADSRP.</li> <li>• Release the Draft Environmental Impact Report for the ADSRP.</li> <li>• Obtain all necessary permits for ADSRP construction.</li> <li>• Continue to educate and engage the public, key stakeholders, decision makers, and elected officials of the project progress and construction timeline.</li> <li>• Coordinate long term ADSRP operations with the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE).</li> </ul>	CIPC Stream Planning and Operations Committee (SPOC)
	<b><u>Objective #5 Challenge/Opportunity</u></b> <i>Droughts are a recurring feature of California's climate and may intensify with climate change. Water conservation is an essential component in providing a reliable water supply and Valley Water has set a water conservation goal for annual water savings of 99,000</i>	<ul style="list-style-type: none"> <li>• Continue communication and educational outreach to promote Valley Water's water conservation programs.</li> <li>• Increase collaboration with our retailer partners to promote Valley Water's water conservation programs.</li> <li>• Implement new water conservation programs and engagement strategies identified within the Water Conservation Strategic Plan.</li> </ul>	WCaDMC



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	<i>acre-feet (AF) by 2030 and 109,000 AF by 2040. As Valley Water faces challenges from climate change and drought, water conservation will continue to be amongst the most cost-effective tools for efficiently meeting current and future demands while mitigating droughts.</i>	<ul style="list-style-type: none"> <li>•Engage and support private-sector stakeholders, local, state, and federal agencies that promote water conservation.</li> <li>•Develop and implement a Drought Response Plan with support and input from our retailer partners and the broader community to guide short-term behavioral changes during water shortages.</li> </ul>	
<b>NATURAL FLOOD PROTECTION</b> <b>“Provide Natural Flood Protection to reduce risk and improve health and safety.”</b>	<u>Objective #1 Challenge/Opportunity</u> <i>Valley Water is challenged to sustain ecosystem health while managing local water resources for flood protection and water supply. By using an integrated approach to planning and designing flood protection planning, there is an opportunity to create projects with multiple benefits.</i>	<ul style="list-style-type: none"> <li>•Make significant progress on One Water plans for the Guadalupe and Pajaro watersheds.</li> <li>•Complete construction of Reaches 1-3 of the Shoreline Phase I Project and pursue funding alternatives for Reaches 4-5 to provide 100-year coastal flood risk management, ecosystem restoration, recreational opportunities, and resiliency for sea level rise.</li> <li>•Complete construction of Phase 2A of the Upper Llagas Flood Protection Project to provide flood protection and habitat enhancement.</li> <li>•Advance the Palo Alto Flood Basin Project into construction, a repair project to ensure a functional flood basin with wetland habitat.</li> <li>•Advance the Sunnyvale East/West Channels Project into construction to provide 100-year storm water flood protection.</li> <li>•Complete the U.S. Army Corps of Engineers Upper Guadalupe River Project General Reevaluation Study to provide 100-year flood protection.</li> <li>•Advance the San Francisquito Creek upstream 101 Project into construction to provide flood protection.</li> <li>•Advance the Coyote Creek Flood Mitigation and Flood Protection Projects into construction to provide flood protection for an event equivalent to the 2017 storm event.</li> </ul>	CIPC BPPC
	<u>Objective #2 Challenge/Opportunity</u> <i>As Valley Water continues to advance flood protection projects, the Board has an opportunity to strengthen relationships and improve coordination with conservation and environmental justice groups, as well as other local jurisdictions, with a specific focus on ensuring the voices of disadvantaged communities are equitably represented.</i>	<ul style="list-style-type: none"> <li>•Advance One Water Countywide Framework in a comprehensive manner that includes diverse community-wide stakeholders and the incorporation of environmental justice policies in all planning efforts.</li> <li>•Continue progress on flood protection capital projects consistent with Valley Water’s commitment to the Safe, Clean Water Program and equitability in all regions.</li> <li>•Plan flood risk reduction projects to provide a minimum level of protection countywide.</li> </ul>	CIPC BPPC
<b>ENVIRONMENTAL STEWARDSHIP</b> <b>“Sustain ecosystem health while managing local water resources for flood protection and water supply.”</b>	<u>Objective #1 Challenge/Opportunity</u> <i>Valley Water’s projects and programs require integrated planning to ensure capital improvements, operations, and maintenance activities are balanced with environmental stewardship goals. Valley Water strives to protect and restore habitats to support native species throughout Santa Clara County.</i>	<ul style="list-style-type: none"> <li>•Continue to develop an integrated water resource plan for each watershed, including appropriate metrics to monitor Valley Water’s impacts on and benefit to the environment.</li> <li>•Implement high priority actions included in the Climate Change Action Plan.</li> <li>•Make significant progress on the grant-funded planning study for the San Tomas Aquino Calabazas Creek Realignment Project.</li> <li>•Advance construction for the Bolsa Creek and Hale Creek projects to</li> </ul>	BPPC

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		<p>begin in Summer 2022.</p> <ul style="list-style-type: none"> <li>• Advance Almaden Lake Improvement Project to begin construction in 2023.</li> <li>• Continue to develop and build on partnerships with environmental organizations and tribal communities when developing projects.</li> </ul>	
	<p><u>Objective #2 Challenge/Opportunity</u> Valley Water continues to coordinate with local cities and agencies to improve the health of our local waterways, including pollution prevention and addressing threats to water quality. Opportunities exist to further collaborate with the County, cities, and social services agencies on encampment abatement efforts and to develop long-term solutions for the homeless to keep our creeks clean.</p>	<ul style="list-style-type: none"> <li>• Continue efforts to protect the ecosystem and water quality of our water Bodies and the integrity of our infrastructure. Such efforts include preventing stormwater pollution, increased implementation of green stormwater infrastructure, addressing mercury pollution, and homeless encampment clean ups.</li> <li>• Coordinate with the County, cities, and other service providers to try to ensure the permanent removal of homeless encampments from creeks and trails.</li> <li>• Continue partnerships and investments on a regional scale such as the South Bay Salt Pond Restoration and Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP).</li> </ul>	Environmental Creek Cleanup Committee (ECCC) (SPOC)
	<p><u>Objective #3 Challenge/Opportunity</u> For nearly 20 years, Valley Water has been working to resolve a water rights complaint surrounding fish, wildlife, water quality, and other beneficial uses in Coyote Creek, Guadalupe River, and Stevens Creek watershed areas. Challenges include completing the environmental review process, obtaining federal and state permits from multiple regulatory agencies, refining and processing water rights change petitions, the technical complexity of the fisheries impacts analysis, coordination with other ongoing related projects and managing stakeholder expectations.</p>	<ul style="list-style-type: none"> <li>• Finalize the June 2021 Guadalupe River and Stevens Creek Environmental Impact Report (EIR) consistent with existing stakeholder agreement.</li> <li>• Advance 10 water right change petitions for securing water right orders.</li> <li>• Continue to implement the pilot flow program in Guadalupe and Stevens Creek.</li> <li>• Continue to implement feasibility studies, monitoring activities, and Planning and construction of various fish passage improvements as identified in existing stakeholder agreement.</li> <li>• Continue fisheries monitoring program.</li> <li>• Continue to support an adaptive management program that encompasses all three creeks.</li> </ul>	SPOC
CLIMATE CHANGE “Mitigate Carbon Emissions and Adapt Valley Water Operations to Climate Change Impacts.”	<p><u>Objective #1 Challenge/Opportunity</u> Valley Water’s ability to fulfill its mission will be challenged in the future by warmer temperatures, changing precipitation patterns, reduced snowpack, and rising sea levels. Valley Water has been working on greenhouse reduction efforts since 2008 and many adaptation actions over the past decade; however, with adoption of the Climate Change Action Plan there is an opportunity for greater impact.</p>	<ul style="list-style-type: none"> <li>• Update carbon accounting and establish new emissions reduction goal if needed.</li> <li>• Make significant progress on development of an agency-wide greenhouse gas reduction plan.</li> </ul>	Climate Adaptation and Sustainability Committee (CAaSC)
BUSINESS MANAGEMENT “Promote effective management of water supply, flood protection, and environmental stewardship through responsive and socially responsible business services.”	<p><u>Objective #1 Challenge/Opportunity</u> Valley Water is committed to creating and maintaining a diverse, inclusive, and equitable work environment that is devoid of discrimination and harassment and provides equal opportunity employment and advancement. Valley Water aims to implement the same values in the community through its flood protection, water supply, and environmental stewardship projects, and has an opportunity to serve as a leader for racial equity, diversity, and inclusion throughout the state.</p>	<ul style="list-style-type: none"> <li>• Develop and implement a Diversity, Equity and Inclusion Master Plan that institutes best practices to address internal and external disparities and builds an organizational culture that is consistent with the Board’s Resolution addressing racial equity, diversity, and inclusion.</li> <li>• Remain committed to environmental justice and the fair treatment and meaningful engagement of all people regardless of race, color, national origin, religion, gender identity, disability status, tribe, culture, income, immigration status, or English language proficiency, with respect to the planning, projects, policies, services, and operations of Valley Water.</li> </ul>	Diversity & Inclusion Ad Hoc Committee (DIAHC)

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		<ul style="list-style-type: none"><li>• Continue to collaborate with external stakeholders that are engaged in developing diversity, equity, and inclusion initiatives and actively participate in and provide leadership for diversity, equity, and inclusion efforts throughout the state.</li><li>• Advance and foster mutually beneficial partnerships with regional tribal communities.</li></ul>	
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