



Santa Clara Valley Water District Water Supply and Demand Management Committ

HQ Boardroom

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REGULAR MEETING AGENDA

**Monday, September 23, 2024
10:00 AM**

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

COMMITTEE OFFICERS:

Richard Santos, Chairperson
Director District 3
Barbara Keegan, Vice Chairperson
Director District 2
Nai Hsueh, Member
Director District 5

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.

STAFF LIAISONS:

Vincent Gin
Kirsten Struve
Ryan McCarter
Stephanie Simunic
(COB Liaison)
Deputy Clerk II
ssimunic@valleywater.org
1-408-630-2408

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

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Santa Clara Valley Water District
Water Supply and Demand Management Committee
REGULAR MEETING
AGENDA

Monday, September 23, 2024

10:00 AM

HQ Boardroom

*****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>

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- 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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This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has not been prepared with a view to informing an investment decision in any of Valley Water’s bonds, notes or other obligations. Any projections, plans or other forward-looking

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Meeting ID: 925 973 40524
Join by Phone:
1 (669) 900-9128, 92597340524#

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 August 26, 2024 Water Supply and Demand Management Committee (WSDMC) Minutes.

[24-0845](#)

Recommendation: Approve the minutes.

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

Attachments: [Attachment 1: 082624 WSDMC Draft Minutes](#)

Est. Staff Time: 5 Minutes

4. REGULAR AGENDA:

- 4.1. Update on State Regulation Making Conservation a California Way of Life and Supporting Valley Water Programs. [24-0826](#)

Recommendation: Receive an update on the State of California's Making Conservation a California Way of Life regulatory framework and Valley Water programs and policies that support implementation and compliance. (Discussion item only; no action requested.)

Manager: Kirsten Struve, 408-630-3138

Attachments: [Attachment 1: PowerPoint](#)
[Attachment 2: CalWEP Cut Sheet](#)
[Attachment 3: Program Matrix](#)
[Attachment 4: Water Conservation Flyer](#)

Est. Staff Time: 45 Minutes

- 4.2. Update on New Water Conservation Program and Pilots. [24-0827](#)

Recommendation: Provide an update on Valley Water's new water conservation programs and pilots and receive Board feedback. (Discussion item only; no action requested.)

Manager: Kirsten Struve, 408-630-3138

Attachments: [Attachment 1: PowerPoint](#)

Est. Staff Time: 25 Minutes

- 4.3. Receive Update on the B.F. Sisk Dam Raise and Reservoir Expansion Project. [24-0842](#)

Recommendation: Receive an update on the B.F. Sisk Dam Raise and Reservoir Expansion Project.

Manager: Vincent Gin, 408-630-2633

Est. Staff Time: 15 Minutes

- 4.4. Review and Discuss the Water Supply and Demand Management Committee (WSDMC) Work Plan. [24-0850](#)

Recommendation: Review and discuss the WSDMC Work Plan.

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

Attachments: [Attachment 1: 2024 WSDMC Workplan](#)

Est. Staff Time: 5 Minutes

5. 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.

6. ADJOURN:

6.1. Adjourn to Regular Meeting at 10:00 a.m., on Monday, October 28, 2024.



Santa Clara Valley Water District

File No.: 24-0845

Agenda Date: 9/23/2024

Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM **Water Supply and Demand Management Committee**

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

SUBJECT:

Approval of August 26, 2024 Water Supply and Demand Management Committee (WSDMC) Minutes.

RECOMMENDATION:

Approve the minutes.

SUMMARY:

A summary of Committee discussions, and details of all actions taken by the Committee, during all open and public Committee meetings, is transcribed and submitted for review and approval.

Upon Committee approval, minutes transcripts are finalized and entered into the District's historical records archives and serve as historical records of the Committee's meetings.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

The approval of minutes is not subject to environmental justice analysis.

ATTACHMENTS:

Attachment 1: 082624 WSDMC Draft Minutes.

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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WATER SUPPLY AND DEMAND
MANAGEMENT COMMITTEE MEETING

DRAFT MINUTES

**REGULAR MEETING
MONDAY, AUGUST 26, 2024
10:00 AM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A regular meeting of the Santa Clara Valley Water District (Valley Water) Water Supply and Demand Management Committee (Committee) was called to order in the Valley Water Headquarters Building Boardroom at 5700 Almaden Expressway, San Jose, California, and by Zoom teleconference, at 10:00 a.m.

1.1. Roll Call.

Committee members in attendance were District 3 Director Richard Santos, Chairperson presiding, District 2 Director Barbara Keegan, Vice Chairperson, and District 5 Director Nai Hsueh, constituting a quorum of the Committee.

Staff members in attendance were:

Gina Adriano, Karen Adriano, Joseph Aranda, Emmanuel Aryee, Aaron Baker, Justin Burks, Rick Callender, Rita Chan, Theresa Chinte, Vanessa De La Piedra, Phil Dolan, Gavin Downs, Rachael Gibson, Vincent Gin, Walter Gonzalez, Andy Gschwind, Chris Hakes, Heather Hamp, Linh Hoang, Diahann Hudson (Solen), Dana Jacobson, Cindy Kao, Matt Keller, Candice Kwok-Smith, Emelia Lamas, Jess Lovering, Kathleen Low, Ryan McCarter, Carmen Narayan, Julianne O'Brien, Carlos Orellana, Ethan Palmer, Matthew Payne, Steve Peters, Sarah Piramoon, Don Rocha, Metra Richert, Ashley Shannon, Nicholas Simard, Stephanie Simunic, Kirsten Struve, Charlene Sun, Darin Taylor, Sana Wazit, Jing Wu, Genevieve Yip, Beckie Zisser.

Public in attendance were:

Shiloh Ballard, Micheal Bolzowski, Brian Boyer (Cinnabar Hills Golf Club), Director Rebecca Eisenberg, Chuck Gardner (Hallmark Group), Giselle, Katja Irvin (Sierra Club), Jim Kuhl, Melissa (Santa Clara County Parks) John Tang (San Jose Water Company) Amy Young (California Water Commission staff).

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

Chairperson Santos 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 June 24, 2024 Water Supply and Demand Management Committee (WSDMC) Minutes.

Recommendation: Approve the minutes.

The Committee considered the minutes of the June 24, 2024 Water Supply and Demand Management Committee (WSDMC) meeting.

Public Comments: None.

It was moved by Director Hsueh, seconded by Vice Chairperson Keegan, and unanimously carried, to approve the June 24, 2024 Water Supply and Demand Management Committee (WSDMC) minutes.

4. REGULAR AGENDA:

4.1 Receive Information on the Safe Clean Water Conservation Program-Project A2: Water Conservation Rebates and Programs.

Ashley Shannon reviewed the information on this item, per the attached Committee Agenda Memo and in the attachment and was available to answer questions.

Discussion ensued relating to program promotion, including ways to assist participants in the QWEL program. In response to questions from Vice Chairperson Keegan, Ms. Shannon stated that the QWEL training program is a nationally recognized program, Valley Water has several lists of local QWEL certified landscapers including their zip codes, and Smart Yards is the new program administrator, and the bid was qualification-based.

In response to questions from Chairperson Santos relating to language of the QWEL training materials, Ms. Shannon stated that they are currently printed in English and Spanish, and changes would have to be made at the national level as it is a national program. Director Santos suggested inquiring about printing in Vietnamese. In response to cost sharing related to the landscape rebate program, staff stated that Palo Alto, Santa Clara, Milpitas, San Jose Municipal Water, Morgan Hill and Gilroy have cost sharing programs. Metra Richert stated challenges to participation may be funding or legal opinions. Discussion ensued relating to rainwater capture regarding rebates and construction standards including rain gutters going straight into the ground, rain gardens, and rain barrels. Ashley Shannon was named as a resource for public inquiries relating to rebate questions.

Public Comments: None.

The Committee received the information and took no formal action.

4.2 Receive Update on the B.F. Sisk Dam Raise and Reservoir Expansion Project.

Dana Jacobson reviewed the information on this item, per the attached Committee Agenda Memo and in the attachment and was available to answer questions.

Discussion ensued relating to project construction timelines, reclamation water rights, and the cost per acre foot. Chairperson Santos stated John Tang of San Jose Water Company did a good job communicating with a constituent.

Public Comments: None.

The Committee received the information and took no formal action.

4.3. Receive an Informational Update on the Unique Requirements for the Pacheco Reservoir Expansion Project, Including Resulting Unique Benefits.

Ryan McCarter reviewed the information on this item, per the attached Committee Agenda Memo and in the attachment and was available to answer questions.

Discussion ensued relating to annual vs. multi-year reservoir operations, incidental flood year benefits, the ability to secure natural inflows, unstorable Central Valley Project (CVP) and the State Water Project (SWP) supplies, water rights, the complexity and level of risk of the project, the Water Storage Investment Program contracts for administering public benefits, the opportunity for possible financial partnerships, and incidental floods.

Director Hsueh requested information be added relating to environmental mitigation measures when the report is presented to the Board.

Vice Chairperson Keegan requested the following:

- More detail given relating to the processes regarding water rights and CVP contractual changes, including milestones and probable timeframes.
- A description of the process for land acquisition/eminant domain.
- The level of risk and potential timeframe relating to water contracts or water rights.
- More information relating to the change petition to modify point of diversion for existing Pacheco Pass North Fork Dam to location of new dam.
- An analysis of the reduction extensive flooding even for frequent/small events.

Public Comments: Katja Irvin expressed disappointment relating to the unique challenges in the planning, design and permitting for the new Pacheco Reservoir, inquired about water rights from the north fork of Pacheco Creek, stated this was the first time she has heard of water rights for natural flow relating to the project, and referred to her submitted handout.

Jim Kuhl expressed concern relating to the Pacheco Reservoir Expansion

Project regarding budget, that overall project pruning is needed, and referred to his submitted handout.

In response to an inquiry from Director Keegan, staff stated the project does have an outside panel of experts relating to the project design, and provided information the Water Supply Master Plan expert panel. Director Hsueh thanked staff for their efforts on the report and noted the complexity of the project and that change may occur as it moves forward.

The Committee received the information and took no formal action.

4.4 Review and Discuss the Water Supply and Demand Management Committee (WSDMC) Work Plan.

Stephanie Simunic stated that with permission from Chairperson Santos, she worked with staff to re-distribute work plan items, and that the workplan is flexible.

Public Comments: None

The Committee received the information and took no formal action.

5. 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.

There was no report and the Committee took no action.

6. Adjourn:

6.1. Adjourn to Regular Meeting at 10:00 a.m. on Monday September 23, 2024.

Chairperson Santos adjourned the meeting at 11:34 a.m., to the next regular meeting on Monday September 23, 2024 at 10:00 a.m.

Date Approved:

Stephanie Simunic
Assistant Deputy Clerk II



Santa Clara Valley Water District

File No.: 24-0826

Agenda Date: 9/23/2024

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM Water Supply and Demand Management Committee

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

SUBJECT:

Update on State Regulation Making Conservation a California Way of Life and Supporting Valley Water Programs.

RECOMMENDATION:

Receive an update on the State of California's Making Conservation a California Way of Life regulatory framework and Valley Water programs and policies that support implementation and compliance. (Discussion item only; no action requested.)

SUMMARY:

Valley Water has provided a robust water conservation program, or set of programs, to our community since 1992. Valley Water's Water Supply Master Plan contains long-term conservation goals which the program is intended to meet. On June 13, 2023, the Board approved Resolution 23-52 Calling for Water Conservation as a Way of Life in Santa Clara County. This Resolution directly supports the State's "Making Conservation a California Way of Life Regulation," which was first proposed in 2018 in Senate Bill 606/Assembly Bill 1668 and was unanimously adopted by the State Water Resources Control Board (State Board) on July 3, 2024 (Conservation Framework).

Past Legislation and Development of the Conservation Framework

The Conservation Framework reflects nearly a decade of development and is designed to replace the Water Conservation Act of 2009 (Senate Bill X7-7 or SB X7-7), which required the State to reduce urban water consumption by 20% by the year 2020. SB X7-7 encouraged urban water suppliers to implement conservation strategies, monitor water usage, and report data to the Department of Water Resources (DWR). From work conducted as part of Valley Water's 2021 Water Conservation Strategic Plan, the 11 retail agencies required to report to DWR in Santa Clara County, all achieved their 2020 targets and increased per capita water-use efficiency between 21% and 37% of their baseline use.

Following SB X7-7, the 2014 California Water Plan update identified two actions that fed into future

statewide policies: “Make Conservation a California Way of Life” (Action 1) and “Manage and Prepare for Dry Periods” (Action 2). In response to the then historic 2014-16 drought, Governor Brown issued Executive Order B-37-16 that empowered the Water Board to adjust emergency water conservation regulations to recognize differing water supply conditions across the State (as opposed to a statewide percent-reduction goal). Among other direction, DWR was directed to work with the Water Board to develop new water use targets as part of a permanent framework of efficient water use for urban water agencies.

FRAMEWORK GOALS AND ELEMENTS:

The recently adopted Conservation Framework implements quantitative water-use efficiency standards and qualitative performance measures with which urban water suppliers to comply including specific water budgets referred to as Urban Water Use Objectives (UWUOs), performance measures for CII accounts and annual reporting. Additional details are provided in Attachment 2, a resource developed by the California Water Efficiency Partnership (CalWEP).

Valley Water’s Role

Though Valley Water is not directly impacted by the Conservation Framework, Valley Water will play a support role to the county’s water retailers by providing resources and feasible programs to aid in their compliance. Valley Water’s robust suite of water conservation program offerings provide the water retailers with the tools needed to achieve compliance.

According to the Legislative Analyst’s Office report, “Assessing Early Implementation of Urban Water Use Efficiency Requirements”, the San Francisco Bay region is expected to experience a 3% reduction in water use by 2035 compared to over 30% reductions elsewhere in the State. Despite our region being relatively well positioned for compliance, standards will continue to be tightened every few years through 2045. Additionally, the CII performance measures and new reporting are required regardless of how successful an urban water supplier is in meeting its UWUOs.

By leveraging and marketing Valley Water’s water conservation rebates, resources, and technical services, Valley Water can both help water retailers with State regulatory compliance while increasing our progress towards meeting our own long-term water conservation goals. Staff are actively pursuing local, regional, and statewide partnerships to assist with initial implementation of the Conservation Framework.

PARTNERSHIPS:*Bay Area Water Supply and Conservation Agency (BAWSCA)*

In 2022, Valley Water entered into a Memorandum of Agreement with BAWSCA to develop guidance resources to support regional water retailers’ compliance with the Conservation Framework’s CII performance measures. The goal of these guidance documents is to present regulatory information in a clear and concise format with graphics, timelines, flowcharts, and case studies that can assist water retailers with planning their path to compliance. In May 2024, the first completed guidance document was presented and distributed at the 2024 CalWEP annual Peer to Peer gathering held in San José. Valley Water and BAWSCA intend to share these guidance documents for wide distribution through CalWEP.

California Water Efficiency Partnership

Valley Water is engaged with CalWEP's efforts to develop compliance tools and resources. Staff have provided input on CalWEP's planned "Implementation Center" which will serve as a clearinghouse of resources, guides, and information to provide details on how to strategically implement the Conservation Framework. The planned topics include understanding data and reporting requirements, requesting variances from the State, complying with CII performance measures, helping to launch new programs or hiring consultants, and potentially developing template Requests for Proposals (RFPs) to help urban retail suppliers release competitive and clear RFPs to support compliance.

CalWEP resources developed to support the Conservation Framework will also include tools to help classify CII accounts developed by Los Angeles Department of Water and Power and Moulton Niguel Water District, as well as a guidebook to help water retailers convert CII mixed-use meters to dedicated irrigation meters or equivalent technology. Staff intends to continue engaging with CalWEP and encouraging our water retailers to leverage these free tools.

Water Conservation Subcommittee

To better understand what type of programs and resources may help with local compliance, Valley Water staff have actively engaged the retailer Water Conservation Subcommittee with the Conservation Framework at key points in its development over the last couple years. Valley Water staff learned more about opportunities and strategies that can be addressed in the short-term to facilitate long-term compliance. Valley Water joined an ad-hoc group comprised of subcommittee members collaborating on steps agencies are taking to complete the first reporting requirements that were due on January 1, 2024.

Land-Use Agency Coordination

Additional land-use coordination may be required to support implementing the Conservation Framework. For example, the Model Water Efficient Landscape Ordinance (MWELO) is implemented throughout California to manage irrigation water use for rehabilitated and new landscapes. Effective implementation and enforcement of MWELO locally will directly benefit how our water retailers comply with the UWUOs affecting residential and CII outdoor water use budgets.

Valley Water coordinates with land use agencies regularly, including coordination on housing elements to ensure information on water demand forecasts is available. Since cities have largely completed their housing element updates in their general plans, the coordination with land use agencies has focused on following the housing development within the county. Valley Water staff review and comment on Water Supply Assessments and CEQA documents for larger developments. A database of such developments was started in 2019 to track proposed development and potential new water use. In addition, Valley Water has been tracking Association of Bay Area Governments (ABAG) efforts on Plan Bay Area, to understand the future trajectory of population and economic growth for the region and Santa Clara County which will impact future water demand projections, and accordingly affect different strategies and actions that will be needed to ensure regional compliance

with the Conservation Framework.

Lastly, there may be greater local interest in adopting Valley Water's Model Water Efficient New Development Ordinance (MWENDO) as it will support compliance with the Conservation Framework's UWUOs. Valley Water has actively advocated with local jurisdictions to adopt all or parts of MWENDO and continues to provide support to municipalities to advance the County's and cities' interests in expanding water efficiency measures. The ordinance has been revised in preparation for the upcoming 2025 building code adoption cycle and includes refinements to the language to reflect the most up-to-date water efficiency standards. Information about MWENDO was shared with the Cities Association of Santa Clara County and presented to its Board of Directors in June to advocate for adoption of these measures.

VALLEY WATER PROGRAMS AND POLICIES:

Programs that support Framework Compliance

Valley Water's suite of water conservation program offerings and Board-adopted water conservation policies provide compliance support to our water retailers for the Conservation Framework.

Water retailers leveraging Valley Water's programs will benefit Valley Water through increased program participation that will contribute to our Board's long-term savings goals. Valley Water's programs of relevance include Landscape Rebate Program, Water Efficient Technology Program, Fixture Replacement Program, Advanced Metering Infrastructure (AMI), and Large Landscape Program will have a significant impact on compliance if participation across these programs is sustained at drought-levels during non-drought years. Additional programs that support compliance are listed in the attached program matrix (Attachment 3). Furthermore, Valley Water's GP5 Program provides funding to eligible water retailers for recycled water and water conservation related projects. In 2024, Valley Water executed two GP5 Program cost-share agreements: one with Purissima Hills Water District for a project to reduce system water loss (a component of the UWUO formula); and one with the City of Mountain View for AMI implementation.

Policies that support Framework Compliance

Staff's efforts to support Conservation Framework compliance contribute to Valley Water's commitment to making water conservation a way of life in Santa Clara County (Resolution No. 23-52). Valley Water's Water Waste Enforcement Ordinance (No. 23-02) also supports the Conservation Framework by establishing procedures for addressing and reducing water waste throughout the county. This ordinance will continue to help identify and reduce instances of water waste, such as leaks, inefficient irrigation practices, and other water-use prohibitions, including the prohibition of irrigating non-functional turf. By addressing these issues, water retailers can improve overall water-use efficiency, reduce waste, and contribute to meeting their UWUOs under the Conservation Framework. This proactive approach also encourages public participation in conservation efforts, thereby supporting compliance with state regulations aimed at ensuring sustainable water management.

NEXT STEPS:

The Conservation Framework will improve statewide water use efficiency over the coming decades to

help our communities become more resilient to future droughts and climate change through decreasing water waste and increasing water-use efficiency. Valley Water is well suited to leverage existing programs, develop support resources, and explore new opportunities to capitalize on how the Conservation Framework's requirements may directly increase participation in Valley Water's water conservation programs. Staff will continue offering pilot programs to test new approaches to help with Conservation Framework compliance, particularly those that help us serve the hard-to-reach CII sector. Increased demand for resources is anticipated for both Valley Water programs and for our water retailers' programs in order to succeed in this new regulatory landscape.

This alignment between statewide regulations, Valley Water policies, and Valley Water's water conservation programs is anticipated to directly benefit our progress to meeting or exceeding our long-term water conservation goals for 2030, 2040, and 2050. Through Valley Water's sustained engagement and investment in Conservation Framework compliance, we will continue to demonstrate Valley Water's commitment to being a water conservation leader locally, statewide, and beyond.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

Environmental justice and equity impacts on vulnerable populations are expected as a result of the implementation of Valley Water's programs and policies intended to support compliance with the Conservation Framework. The framework establishes efficiency standards for suppliers to comply with which will contribute to Valley Water's policy on achieving 126,000 AFY of water savings by 2050. The benefits and the impact/mitigation strategies on disadvantaged communities are discussed in greater detail below.

Water conservation achieved through the implementation of the Conservation Framework offers a range of environmental justice benefits by promoting equitable access to clean water, reducing pollution, protecting ecosystems, mitigating climate change, saving costs for vulnerable communities, enhancing drought resilience, and empowering residents with knowledge and skills for sustainable water use. Furthermore, on average, local households are projected to experience lower combined water and wastewater bills from 2025 through 2050 as a result of the Conservation Framework, even if on a state level, short-term utility bills may likely increase. Valley Water acknowledges that during drought, disadvantaged communities may be disproportionately impacted, but the Conservation Framework is anticipated to help with future drought responses; as well as assist with meeting long-term water conservation savings goals.

ATTACHMENTS:

Attachment 1: PowerPoint

Attachment 2: CalWEP Cut Sheet

Attachment 3: Program Matrix

File No.: 24-0826

Agenda Date: 9/23/2024
Item No.: 4.1.

Attachment 4: Water Conservation Flyer

UNCLASSIFIED MANAGER:
Kirsten Struve, 408-630-3138



Water Conservation as a Way of Life Update on State Regulation and Valley Water Programs

Water Supply and Demand Management Committee, September 2024

Metra Richert, Unit Manager

Framework Elements



3 Key Components of *Making Conservation a Way of Life* Regulation:

- 1) Water Use Objective
- 2) Commercial, Industrial, Institutional (CII) Performance Measure
- 3) Annual Reporting

How Did We Get Here?

2009

- Senate Bill X7-7 (20% by 2020)

2014

- California Water Plan Update
 - Action 1: “Make Conservation a California Way of Life”
 - Action 5: “Manage and Prepare for Dry Periods”

2016

- Governor Brown Issued Executive Order B-37-16 entitled “Making Conservation A California Way of Life”

2018

- Implementation Legislation: Senate Bill 606/Assembly Bill 1668
- Making Conservation A California Way of Life Primer Released

2022

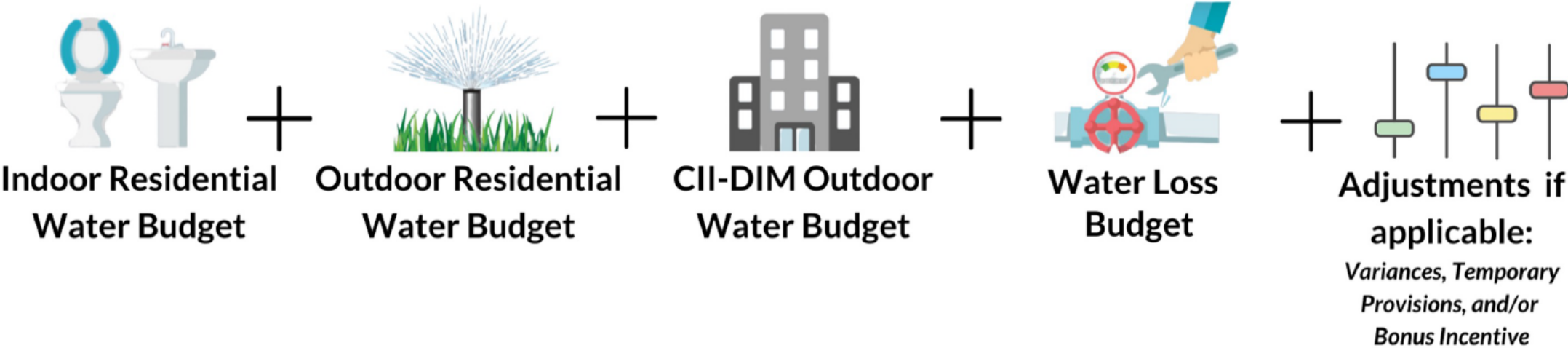
- DWR recommendations released

2023

- Draft regulation from SWRCB released

Calculating the Urban Water Use Objective

Providers cannot exceed the SUM of the standards



*Agriculture and indoor CII not part of objective, though indoor CII is covered by Performance Measures.

Indoor Residential Water Budget

- The maximum allowed indoor water use
- Decreases over time
- Valley Water Program Support:
 - eCart
 - Fixture Replacement Program
 - AMI and Water Use Reports
 - MWENDO

Indoor Residential Standard by year

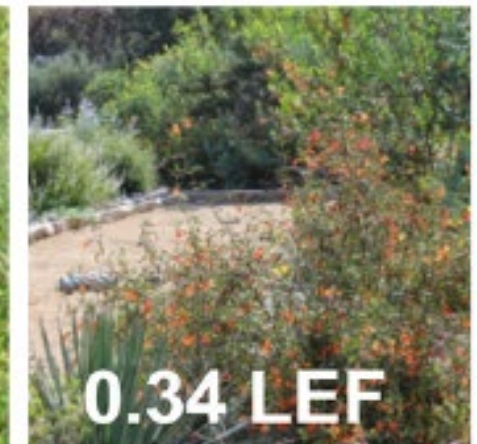
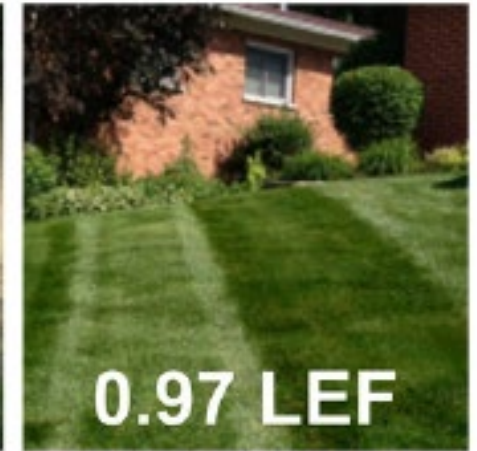
Compliance Year	Allowable GPCD
2020-2024	55
2025-2029	47
2030 onward	42

Outdoor Water Budgets

- Landscape Efficiency Factors (LEF) decrease over time
- Landscape Area Measurement (LAM) data mapped and provided by the State
- Valley Water Program Support
 - Landscape Rebate Program
 - Large Landscape and Water Wise Outdoor Survey Programs

Year	Residential	CII (DIM only)
Through June 30, 2035	0.80	0.80
July 1, 2035-June 30, 2040	0.63	0.63
July 1, 2040 and after	0.55	0.45
New Construction	0.55	0.45

Example LEFs



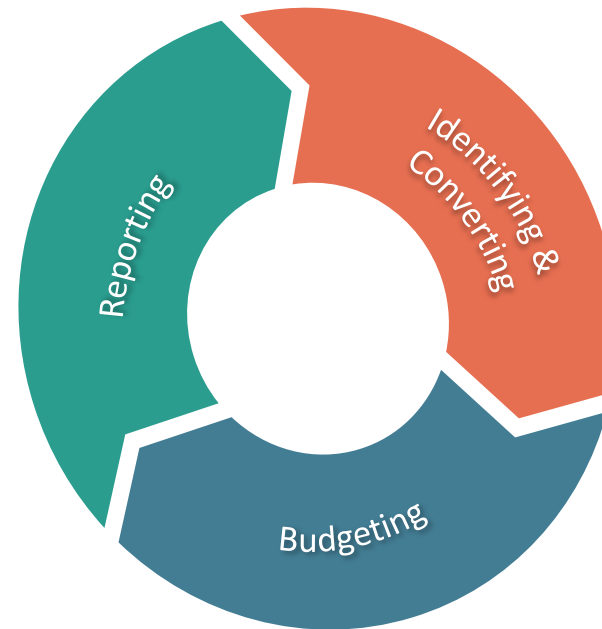
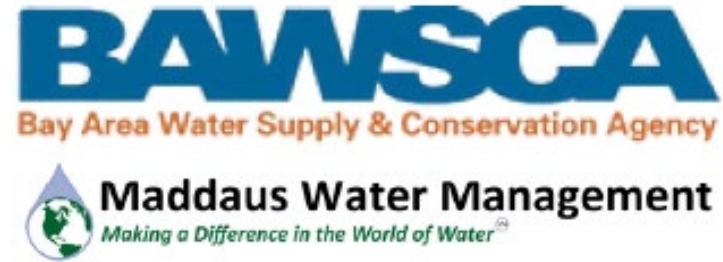
Source: Adapted from State Water Resources Control Board Public Workshop October 4, 2023

Water Loss Budgets

- Maximum allowable losses from physical water leakage in a supplier's distribution system
- Measured in gallons per connection per day
- Aligns with SB 555
- Unique compared to other UWUOs – enforceable individually even if a service area is within all other UWUO requirements
- Valley Water Program Support: TBD

Support for CII Elements

- Partnership with BAWSCA and Maddaus Water Management
- Develop roadmaps to help retailers comply with CII requirements
- Valley Water Program Support:
 - WET Rebate Program
 - CII Indoor Survey Pilot
 - AMI and Water Use Reports



Policy Changes Impacting Savings

Valley Water	California	VW Program Support
Water Waste Prohibitions (Ordinance 23-02)	Ban on Irrigating Nonfunctional Turf (AB 1572)	<ul style="list-style-type: none">• Landscape Rebate Program• Large Landscape Program• Water Waste Program
Water Conservation Guiding Principles (Resolution 23-52)	Conservation Framework establishes Urban Water Use Objectives for indoor and outdoor efficiencies and CII performance metrics (AB 1668/SB 606)	<ul style="list-style-type: none">• Landscape Rebate Program• Large Landscape Program• Water Efficient Technology Rebate Program• AMI and Water Use Reports

Water Conservation Guiding Principles

- Valley Water's Calling for Water Conservation as a Way of Life in Santa Clara County (Resolution 23-52)
- Guiding Principles that align with Conservation Framework:
 - Guiding Principles 1-4 to make it easier for the community to conserve through partnerships, education, and working with the CII community
 - Guiding Principles 6 and 8 to support legislative efforts and land-use agency coordination to promote water conservation
 - Guiding Principles 10 and 11 to utilize data to inform programs as well as to promote equitable and affordable approaches to water conservation

Land-Use Agency Coordination and MWENDO

- Coordinate with land use agencies regularly
- Select from a menu of water efficiency measures
 - Single-Family Residential
 - Multi-Family Residential and Nonresidential
 - Commercial Facilities
- MWENDO measures can be adopted at any time
- Supplemental MWENDO measure
 - Prohibition of non-functional CII turf
- Valley Water provides staff support to interested municipalities



Next Steps

Leverage Partnerships locally and statewide to enhance programs and resources

Identify strategies that can support Valley Water policies and increase long-term water conservation savings while supporting the Conservation Framework

Evaluate pilot effectiveness to consider wide-scale implementation, particularly for the CII sector

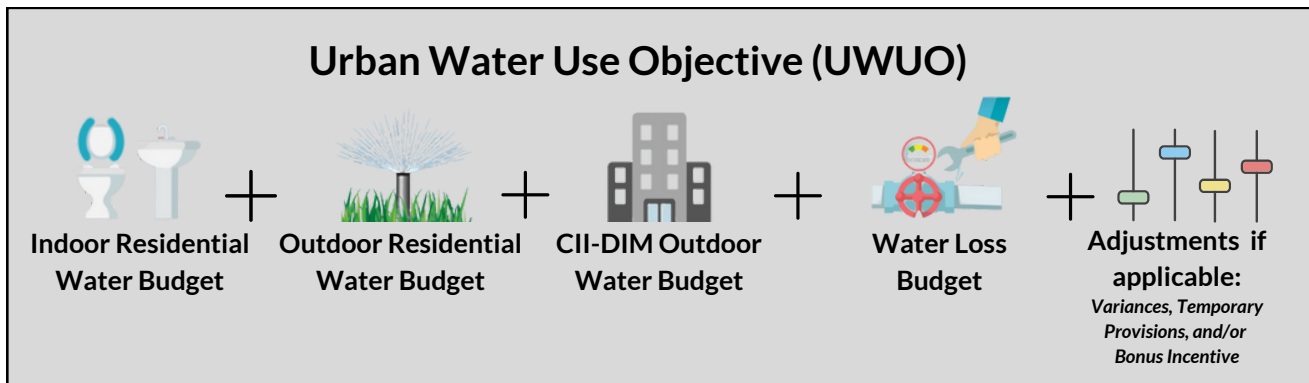
Continue engagement with water retailers

Making Conservation a California Way of Life

NOTE: DETAILS SUBJECT TO CHANGE PENDING STATE WATER BOARD RULEMAKING

Overview

SB 606 and AB 1668, signed in 2018 are intended to “Make Water Conservation a California Way of Life.” In total, three water use standards (indoor residential, outdoor residential, and outdoor commercial, industrial and institutional (CII-DIM)), one water loss standard, and a variety of adjustments are used to calculate each urban water supplier’s overall budget. The sum of these is known as an **Urban Water Use Objective (UWUO)**.

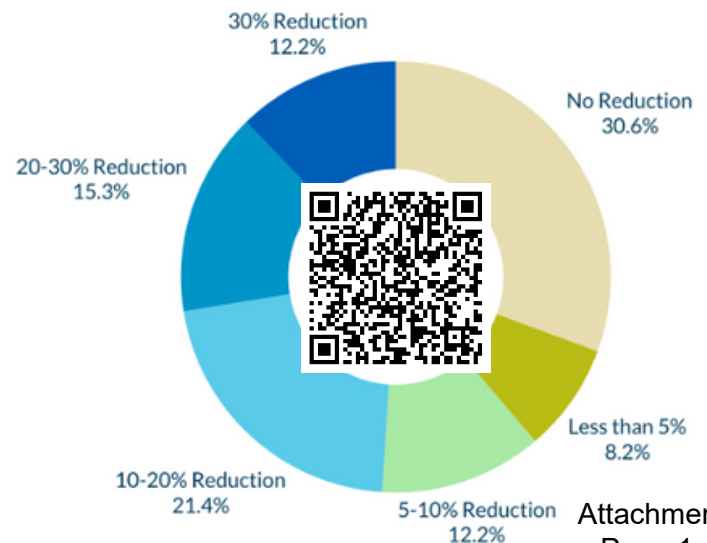


Adjustments to an UWUO can be made via variances, temporary provisions, and/or a bonus incentive for potable reuse, where applicable per supplier. A variance or temporary provision must receive prior approval by submitting a request to the State Water Board.

In addition to the UWUO, every urban supplier will need to comply with a set of CII performance measures. These performance measures are intended to enable water-usage benchmarking per CII classification category as well as establish BMPs for indoor and outdoor CII water use regardless of CII-DIM status. Even if an agency meets its UWUO, it will still need comply with the CII Performance Measures.

Provisional Data

In March 2024, the State Water Board released updated provisional data for every urban water supplier in the state used for their Water Use Objective Exploration Tool. The chart to the right shows projections for reductions needed by water suppliers in 2040 based on the State’s provisional data. **(Note the provisional data does not include potential variances that suppliers may be able to utilize to adjust their UWUO.)**



Making Conservation a California Way of Life

STANDARDS CHEAT SHEET

Indoor Residential Water Budget

$$\text{Indoor Residential Water Budget (gal/yr)} = \text{Indoor Residential Standard} \times \text{Population} \times 365 \text{ days}$$

The **Indoor Residential Standard** is the maximum allowed indoor water use measured in gallons per capita per day (GPCD). It is intended to represent efficient use. The Indoor Residential Standard will decrease over time.

Indoor Residential Standard by year

Compliance Year	Allowable GPCD
2020-2024	55
2025-2029	47
2030 onward	42

Outdoor Residential Water Budget

In the most general terms, the outdoor water budget consists of a supplier's residential landscape area, multiplied by an efficiency standard and a climate factor that's reflective of a supplier's unique service area conditions.

The annual outdoor water budget is calculated as follows:

$$\text{Outdoor Residential Water Budget (gal/yr)} = \text{LAM} \times \text{LEF} \times (\text{ETo} - \text{Peff}) \times 0.62$$

Factor	Definition
LAM	<p>Landscape Area Measurement includes the following landscape types:</p> <ul style="list-style-type: none"> ◦ Irrigable-Irrigated (II), ◦ Irrigable-Not-Irrigated (INI) – up to 20% until LAM data is updated, ◦ Special Landscape Areas (SLA), and ◦ New Construction <p>Aggregate data provided by DWR for all designations except for new landscapes installed beginning 1/1/2019.</p>
LEF	Outdoor Residential Standard or landscape efficiency factor (unitless).
ETo	Reference Evapotranspiration (inches per year). Provided annually by DWR.
Peff	Effective Precipitation (inches per year). Capped at 25% of total precipitation or a lower value generated by the Cal-SIMETAW model. Provided by DWR.
0.62	Conversion Factor to generate units in gallons per year.



Outdoor Residential Water Budget (cont.)

The LEF is an efficiency factor determined by the State Water Board. It is proposed to decrease overtime as presented in the table below.

Compliance Start Date	Irrigable-Irrigated (II)	Irrigable-Not - Irrigated (INI)	Special Landscape Areas (SLA)	New Construction (post 1/1/2019)*
July 1, 2025	0.80	0.80 until LAM data updated	1.0	0.55
July 1, 2035	0.63	N/A assumes LAM data updated	1.0	0.55
July 1, 2040	0.55	N/A assumes LAM data updated	1.0	0.55

*For new homes built after the DWR Landscape Area Measurement (LAM) data was generated, the water budgets should be calculated with an LEF of 0.55.

Example landscape types with associated LEFs from least efficient to most efficient.



Source: Adapted from State Water Resources Control Board Public Workshop October 4, 2023

Outdoor Commercial, Industrial, and Institutional Water Budget

$$\text{CII Residential Water Budget (gal/yr)} = ((\text{DIM LA} - \text{DIM SLA}) \times \text{LEF}) + (\text{DIM SLA} \times 1.0) \times (\text{ETo-Peff}) \times 0.62$$

Factor	Definition
DIM LA	Landscape Area Measurement includes the following landscape types: <ul style="list-style-type: none"> Irrigable-Irrigated (II) of connections served by dedicated irrigation meters
DIM SLA	Landscape Area Measurement for CII Special Landscape Area includes the following landscape: <ul style="list-style-type: none"> Edible plants Recreation Recycled water Slopes with live vegetation Ponds or lakes for sustaining wildlife Plant collections, botanical gardens, and arboretums Public pools Cemeteries (build before 2015)

Outdoor Commercial, Industrial, and Institutional (CII) Water Budget (cont.)

Factor	Definition
LEF	Outdoor CII Standard or landscape efficiency factor (unitless).
ET _o	Reference Evapotranspiration (inches per year). Provided annually by DWR.
Pe _{eff}	Effective Precipitation (inches per year). Capped at 25% of total precipitation or a lower value generated by the Cal-SIMETAW model. Provided by DWR.
0.62	Conversion Factor to generate units in gallons per year.

DWR is currently mapping water agencies CII landscape area. This project is expected to be completed in the next couple years. **Agencies can choose to generate their own CII landscape area measurements or wait and utilize the dataset provided by DWR as a technical resource for measuring their CII landscape area. Suppliers must distinguish CII-MUM area from CII-DIM area.** Starting July 1st 2028, suppliers will use total Irrigated Irrigable (II) square footage for all DIMs. The CII-DIM LEF is proposed to decrease overtime as presented in the table below

Compliance Start Date	Irrigable-Irrigated (II)	Special Landscape Areas (SLA)	New Construction (post 1/1/2019)*
July 1, 2025	0.80	1.0	0.45
July 1, 2035	0.63	1.0	0.45
July 1, 2040	0.45	1.0	0.45

**Applies to CII-DIM accounts subject to MWELO. See 23 CCR Section 495 (b)(6)*

Water Loss Budget

The **water loss standard** is the maximum allowable “real” water loss measured in gallons per connection per day for each supply system in an urban water supplier’s service area. Therefore, a supplier could have multiple water loss standards. The standards are intended to represent cost effective real water loss. Real losses can be defined as the volume of annual leakage due to physical water leakage in a supplier’s distribution system.

The water loss standard is derived by entering a supplier’s system-specific validated baseline water loss audit data and other related data into the Water Loss Economic Model (Model) developed by the State Water Board. The Model calculates the water loss standard based on water use, system characteristics, and economic cost data. The State Water Board provides initial water loss standards for each applicable supplier’s systems on their [water loss website](#). For about half of the State’s urban water suppliers’ systems, the Model cannot calculate a cost-effective water loss standard. In these cases, a supplier’s impacted systems’ water loss standard will revert to baseline loss (average of 2017-2020 water loss audit real loss).

The water loss standard is used to calculate the annual maximum allowed water loss volume (in gallons) per system. This maximum is referred to as the **water loss budget**. The annual water loss budget is calculated using Equation 2. For suppliers with multiple systems the total water loss budget is equal to the sum all of water loss budgets per system.



Equation 2: Annual Water Loss Budget

Water Loss Budget (gal/yr) = Water Loss Standard x (C or M) x days in the year

Where,

C = Number of total service connections

M = Length of the distribution system in miles

It is important to note the following as it relates to the water loss standard:

- The water loss standard is unique in that it was originally regulated under prior and independent 2015 legislation – Senate Bill 555 (Wolk, Chapter 679, Statutes of 2015). Therefore, compliance can be enforced individually for water loss, unlike other standards within the Framework legislation.
- Water loss standards apply to systems with more than 200 connections. Systems with under 200 connections are not subject to a water loss standard if conditions in Water Code Section 980 (ddd) are met.
- The State Water Board cannot issue a notice or order to a supplier under the Framework legislation for exceeding the UWUO due solely to water loss budget overages if the State is already taking enforcement action under SB 555. The water loss standard guidelines and requirements are complex with many caveats not covered in this cut sheet. Therefore, it is recommended that a supplier review the entire regulation text for a complete understanding.

Commercial, Industrial, and Institutional (CII) Performance Measures

All urban water suppliers will also be required to meet a list of performance measures. These performance measures are intended to enable water-usage benchmarking per CII classification category as well as establish BMPs for indoor and outdoor CII water use regardless of CII-DIM status. A simplified rundown of the CII Performance Measures are as follows:

Action	Compliance Start Date
Classification of CII properties to align with ENERGY STAR Portfolio Manager categories plus 4 additional categories	2027
Deploy Best Management Practices (BMPs) for top water CII users (three possible track options are provided for suppliers.)	2039
DIM installation or in-lieu technologies on large landscapes (threshold = 1/2 acre landscape. Note this includes identifying and measuring CII-MUM landscapes that meet or exceed this threshold.	2039

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9/4/2024

Valley Water - Water Conservation Programs for CII Properties

BMP Category	BMP	Landscape Rebate Program	Water Efficient Technology Rebate Program	Water Wise Outdoor Surveys	Water Conservation Communications Campaigns	Large Landscape Program - Irrigation Budgets	Large Landscape Program - Surveys	Online Shopping Cart	Fixture Replacement Program	Mobile Irrigation Lab	AMI Cost Share	Webinar Series
BMP (1) Outreach, Technical Assistance, and Education best management practices	(A) Direct contacts via site visits or phone calls	X		X						X		
	(B) Informative or educational bill inserts											
	(C) Conducting workshop or developing training videos											X
	(D) Webpage portals to access information, tools, and rebates	X								X		X
	(E) Cost-effectiveness analysis tools											
	(F) Commercial or advertisements	X			X							
	(G) Grass roots marketing											
	(H) Community based social marketing	X			X							X
	(I) Other CII-best management practices derived from additional innovation and technology advancement that can be taken by suppliers, subject to Board approval											
BMP (2) Incentive best management practices	(A) Rebates and cost-sharing for replacing inefficient fixtures, equipment, irrigation systems or landscapes with water efficient ones	X						X	X			
	(B) Certification or branding programs that recognize customers as water efficient	X										
	(C) Incentives for technologies that enable customers to identify, measure, and analyze indoor and outdoor water use											
	(D) Other CII-best management practices derived from additional innovation and technology advancement that can be taken by suppliers, subject to Board approval											
BMP (3) Landscape best management practices	(A) Landscape and irrigation management practices to promote improved water use efficiency			X		X	X					X
	(B) Irrigation system inspections, audits, or surveys			X			X			X		
	(C) Training or guidance on irrigation scheduling and maintenance			X		X	X			X		X
	(D) New development landscape inspection, workshops, and training											X

(con't) BMP (3) Landscape best management practices	(E) Programs to remove turf and replace it with climate-ready vegetation	X										
	(F) Programs to decrease urban heat and reduce turf water use by planting trees	X										
	(G) Programs to install green infrastructure such as swales or rain gardens that offset irrigation needs	X										
	(H) Other CII-best management practices derived from additional innovation and technology advancement that can be used by suppliers, subject to Board approval											
BMP (4) Collaboration and coordination best management practices	(A) Coordination with "green" building certification or recognition programs to promote water use efficiency											
	(B) Coordination with land use authorities to check new landscapes design and implementation											
	(C) Collaboration with non-governmental organizations on outreach and education	X										X
	(D) Collaboration with municipal arborists and tree planting organizations to expand and maintain urban forests	X										X
	(E) Collaboration with stormwater agencies to install green infrastructure such as swales or rain gardens to also offset irrigation needs	X										
	(F) Other CII-best management practices derived from additional innovation and technology advancement that can be taken by suppliers, subject to Board approval											
BMP (5) Operational best management practices	(A) Infrastructure changes (for example, smart meter replacement programs)		X								X	
	(B) Billing or data collection procedures (for example, data tracking, analysis, and reporting improvements)											
	(C) Other operational best management practices to facilitate CII- best management practices program implementation and evaluation			X								
	(D) Other CII-best management practices derived from additional innovation and technology advancement that can be taken by suppliers, subject to Board approval											

Water Conservation Rebates and Programs



Say YES to Saving Water!

Valley Water's water conservation rebates and programs are designed to make water conservation easier, helping you say YES to saving water. Learn more about all of our conservation programs and resources by visiting watersavings.org.

Online Shopping Cart

Valley Water offers free water conservation devices that can help you save water. You can request free water efficient devices and free resources to evaluate your water use efficiency. Visit cloud.valleywater.org/shopping-cart to order your FREE gear and literature today!

Landscape Rebate Program

The Landscape Rebate Program can help you create beautiful drought resilient landscapes. Get started by finding more information at valleywater.dropletportal.com. Make sure you submit an online application for approval and schedule a pre-inspection **before beginning any work** on your project.

■ Rebate Caps

The following landscape rebate site caps apply to the combined program components, including Landscape Conversion, Large Landscape Lawn to Mulch, Irrigation Equipment Upgrade and Rainwater Catchment.

- \$3,000 for single-family or multi-family residential properties (4 or fewer units)
- \$100,000 for all commercial, industrial, institutional properties or multi-family residential properties (5 or more units)

Rebate rates and caps may be higher in some areas. Other programs are capped separately.

■ Landscape Conversion

Any property with qualifying high-water using landscapes (i.e., lawn or functional swimming pools) can receive a rebate of at least \$2 per square foot (sq. ft.) for converting to a drought resilient landscape.

■ Large Landscape Lawn to Mulch

Any commercial, industrial, institutional properties or multi-family residential properties can receive a rebate of at least \$1 per sq. ft. for converting a qualifying lawn to a minimum of 3 inches of mulch (minimum 15,000 sq. ft. lawn area). The irrigation system watering any trees in the converted lawn area needs to be converted to a low-flow irrigation system. Golf course options are offered.



A converted low-water use garden featuring California poppies in bloom.

■ Irrigation Equipment Upgrade

Rebates are offered for replacing old, inefficient irrigation equipment with new, qualifying high-efficiency equipment, including:

- High-efficiency nozzles (up to \$5 each)
- Rotor sprinklers or spray bodies with pressure regulation and or check valves (up to \$20 each)
- Rain Sensors (up to \$50)
- Flow sensors, hydrometers, and dedicated landscape meters (up to \$1,000)
- Smart irrigation controllers (up to \$300-\$2,000 each)
- Sprinkler to In-Line Drip Conversion (\$0.25 per sq. ft.)

■ Rainwater Capture

Rainwater capture or diversion projects collecting rainwater from existing downspouts can receive rebates for the following:

- Rain barrels up to 199 gallons (up to \$35 per barrel)
- Cisterns 200 gallons or more (\$0.50 per gallon)
- Rain gardens (\$1 per sq. ft. of roof area diverted, up to \$300)

Graywater Rebate Program

Receive at least \$200 per home for transforming your clothes washer into a graywater system. Plants don't need drinking water to thrive: reuse graywater in your yard! Apply online and find how-to videos at watersavings.org. No pre-inspection is required but **wait for approval before beginning any work**.

Landscape Surveys

Request to have your landscape and irrigation system surveyed by a trained irrigation professional for FREE. Following the survey, the specialist will provide you with a customized report, outlining any apparent leaks or inefficiencies, suggestions for irrigation scheduling, and recommendations for money-saving landscape rebates. Whether your landscape is small or large, we have a program to fit your needs.

Water Wise Outdoor Survey Program

A Water Wise Outdoor Survey is for landscapes at single-family, small commercial, industrial, institutional properties or multi-family residential sites up to half an acre. To get started, have a recent copy of your water bill on hand and submit a request at valleywater.org/outdoor-survey.

Call **408-630-2000** or email waterwise@valleywater.org with questions. If you are a customer of San Jose Water Company, please contact them directly to schedule a CATCH survey at **408-279-7900** or customer.service@sjwater.com.

Large Landscape Program

A Large Landscape Survey is for landscapes at commercial, industrial, institutional properties or multi-family residential common areas with over half an acre. Also, free landscape water budgets are available for some properties, which compare your actual irrigation use to a property specific budget. Visit waterfluence.com to see if your property already receives this free benefit. Request a survey at watersavings.org.

Commercial and Facility Rebates

Receive up to \$100,000 for replacing or updating equipment with water-efficient technology that results in measurable water savings. This custom rebate based on the measured amount of water saved is available to qualifying facilities including facilities like businesses, schools, hospitals and government buildings. The rebate is \$4 per 100 cubic ft. of water saved per year, or 100% of the project cost (excluding labor and taxes), whichever is less.

Fixture Replacement Program

Replace old qualifying fixtures for FREE! Inefficient fixtures can be replaced for free by licensed plumbers at qualifying commercial, industrial, institutional properties or multi-family residential properties. Inefficient fixtures that qualify include toilets, urinals, showerheads, faucet aerators, and pre-rinse spray valves. Sign up at blusinc.com, call **800-597-2835**, or customerservice@blusinc.com.

Submeter Rebate Program

Submeters can save 10-30% of water used! Received at least \$150 per installed water submeter by upgrading from a single meter. Accessory dwelling units (ADUs or granny units), mobile home parks, apartments, and condominium complexes can qualify. There is no rebate cap when all eligibility requirements are met.

Report Water Waste

Help local residents and businesses preserve our shared water supply by confidentially reporting water waste and violations of outdoor water-use restrictions. Any specific notes like location, date and time, or frequency will help our inspectors follow up. To report water waste, you may do one of the following:

- Use our Access Valley Water app (by downloading or using the QR code)
- Email waterwise@valleywater.org
- Call **408-630-2000**



CONTACT US

To find out the latest information on Valley Water projects or to submit questions or comments, use our **Access Valley Water** customer request system at access.valleywater.org.



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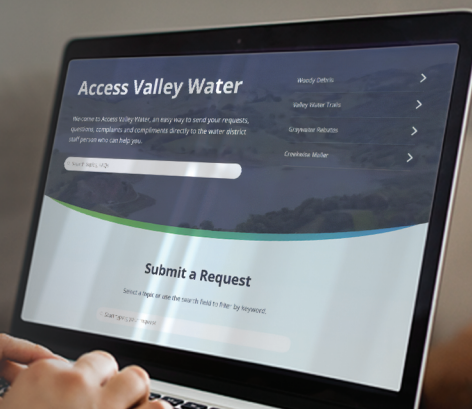
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Santa Clara Valley Water District

File No.: 24-0827

Agenda Date: 9/23/2024

Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM Water Supply and Demand Management Committee

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

SUBJECT:

Update on New Water Conservation Program and Pilots.

RECOMMENDATION:

Provide an update on Valley Water's new water conservation programs and pilots and receive Board feedback. (Discussion item only; no action requested.)

SUMMARY:

Santa Clara Valley Water District (Valley Water) continues to develop new programs and pilots to meet the Board's long-term water conservation goals and Resolution calling for Water Conservation as a Way of Life. The following new and enhanced programs were added and pilots conducted over the last year.

NEW AND ENHANCED PROGRAMS

Staff continues to look for ways to enhance existing programs or develop new water conservation programs to support retailers' achieving state mandated water conservation regulations and the Board's long-term water conservation goals. These programs include:

1. Landscape Direct Installation Program: Staff released a Request for Proposal (RFP) for an enhanced Landscape Direct Installation Program and secured a Program Administrator contract with Smart Yards Co-Op in July 2024. This program, offered to low-income residents in Santa Clara County, replaces the Our City Forest Lawn Busters program, which expired at the end of Fiscal Year 2024. The new Landscape Direct Installation Program will prioritize eligible applicants currently on the Lawn Busters waitlist and will offer landscape conversion, graywater laundry to landscape, irrigation equipment upgrades, rainwater capture, and urban tree planting. Staff is working with the new vendor to create an online application portal and plan to launch the program to the Lawn Busters waitlist by the end of the calendar year.
2. Landscape Design Assistance Program: In January 2024, staff launched the Design

Assistance Program to help Landscape Rebate Program participants better design their Landscape Conversion projects. Staff worked with our vendor to build an online application form for landscape designers interested in being on a participating designers list and since October 2023, have recruited 13 qualified designers. The program launched to the public in January 2024 and nearly 20 rebates have been issued so far and over 30 more in process.

3. Annual Landscape Summit and Webinar Series: As presented at the August 2024 Water Supply and Demand Management Committee, due to the success of the annual Landscape Summit and Webinar Series, piloted using Safe Clean Water funding, Valley Water has awarded a contract to G3 (Green Gardener Group) to offer these as permanent programs. The webinar series is scheduled to kick off this October. Valley Water is working with its water retail partners to identify webinar topics that will best support their residents in making water conservation a way of life. Planning for the annual Landscape Summit, generally offered in late February, will begin in October as well.
4. Agricultural Mobile Irrigation Lab (MIL): An RFP was issued in June 2024 for an updated MIL program designed to increase water use efficiency for growers in Santa Clara County. Staff is in process of awarding the contract. The new contract will offer an enhanced version of the long-standing program, including increased soil moisture monitoring assistance (as recommended in the Agricultural Water Use Baseline Study, presented at the November 2022 Water Conservation and Demand Management Committee), small farm irrigation system design, workshops, and increased grower meeting and training time.
5. Demonstration Garden: As presented in the May and August 2024 Water Supply and Demand Management Committee meetings, Valley Water staff is working to release an RFP for the design of an approximately 26,000 square foot demonstration garden at its Headquarters facility at Almaden Expressway. The RFP is planned to be released by the end of this calendar year. The design will be entirely funded by the Safe Clean Water Program. The garden will highlight a watershed approach to landscaping and serve as a beautiful, functional demonstration garden and community gathering space. Specifically, the garden will showcase Valley Water's Landscape Rebate Program, serving as a tangible example for the public to see, to engage with, and to learn from.

PILOTS

Small-scale pilot programs help inform development of larger-scale programs by evaluating the feasibility and potential costs/benefit.

In Fall 2023, Valley Water, in partnership with its water retail agencies, offered a Commercial Indoor Water Use Survey Pilot Program (CIW Survey Pilot) designed to provide commercial, industrial, and institutional (CII) customers a free evaluation of their water using fixtures and provide a report summarizing recommendations, along with relevant Valley Water programs, to improve water use efficiency. The CIW Survey Pilot establishes and supports policy and programmatic goals, including providing regulatory compliance support to our water retailers and developing a network of CII customers to achieve increased program participation by directing conservation efforts to the hard-to-

reach CII audience.

During the FY24 pilot period, an outreach e-mail was sent by two retail partner agencies to their CII customers, resulting in two successful surveys. Since ending the FY24 pilot period, staff have compiled lessons learned and implemented process improvements to launch a FY25 pilot. Pilot success is dependent on partnerships with water retailers as they have the direct relationships with their CII audience. Valley Water staff hope to evolve the CIW Survey Pilot into a permanent offering throughout the county. Since reintroducing the pilot in July 2024, four retail partners have tentatively committed to partnering with Valley Water in the FY25 CIW Survey Pilot.

Below is an update on three pilot programs originally presented at the September 2023 Water Conservation and Demand Management Committee (WCDMC):

1. **Leak Detection and Repair Certification:** As a result of this pilot, California Water Efficiency Partnership (CalWEP) is coordinating with Valley Water and Bay Area Water Supply and Conservation Agency to transform our training framework into a first-of-its kind training program in California. As part of this effort, CalWEP has tentatively secured support from the International Association of Plumbing and Mechanical Officials (IAPMO) to host the training focused on indoor leaks. CalWEP is securing interest from additional agency partners in the Bay Area. By partnering with other agencies, costs to Valley Water to offer this unique training will be reduced. The first training is expected to occur in 2025. Outdoor leak detection and repair certification trainings will be further evaluated at a future time.
2. **Leak Assessment and Repair Pilot:** This vendor-supported pilot leveraged an existing partnership between the vendor, Richard Heath and Associates, Inc. (RHA), and PG&E's Energy Savings Assistance (ESA) Program. The pilot, which concluded in August 2023, achieved 54% of its target, serving 214 low-income single-family households in San José and Gilroy. As part of the pilot, 66-bathroom faucets, 20-kitchen faucets, and 45-outdoor hose bibs were retrofitted, resulting in an estimated annual water savings of 72,812 gallons (Average: 340 gal/year/household).
3. **Toilet Repair and Retrofit Pilot:** Conducted concurrently with the Leak Assessment and Repair Pilot, this program, which concluded in August 2023, served 214 households, retrofitting 114 inefficient toilets with ultra-high-efficiency models. The retrofits are projected to save 514,794 gallons of water annually (Average: 2406 gal/year/household).

NEXT STEPS

Staff are revamping two long-standing programs: the Fixture Replacement Program (FixRP) and Large Landscape Program. RFPs for these programs will be released in the next few months. The Fixture Replacement Program RFP incorporates aspects of both the Leak Assessment and Repair Pilot and the Toilet Repair and Retrofit Pilot.

With the newly adopted "Making Conservation a California Way of Life" regulatory framework that will impact urban water use throughout California, staff will continue evaluating whether to revamp or initiate new programs to better help retailers and Santa Clara County residents reduce their water use.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

Environmental justice and equity impacts on local communities are expected/likely to result from implementation of the water conservation program toward meeting the long-term water conservation 2030 and 2040 goals. Water conservation offers a range of environmental justice benefits by equitable access to clean water, reducing pollution, protecting ecosystems, mitigating climate change, saving costs for vulnerable communities, enhancing drought resilience, and empowering residents with knowledge and skills for sustainable water use. Valley Water provides such water conservation information in multiple languages and via various outreach techniques to reach all members of our community. Valley Water acknowledges that during drought, disadvantaged communities may be disproportionately impacted. To address these impacts, Valley Water promotes access to equitable and affordable water supplies (Water Supply Goal 2.6). Valley Water offers specific programs, such as the Landscape Direct Installation Program to provide water-efficient landscapes to low-income residents.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138

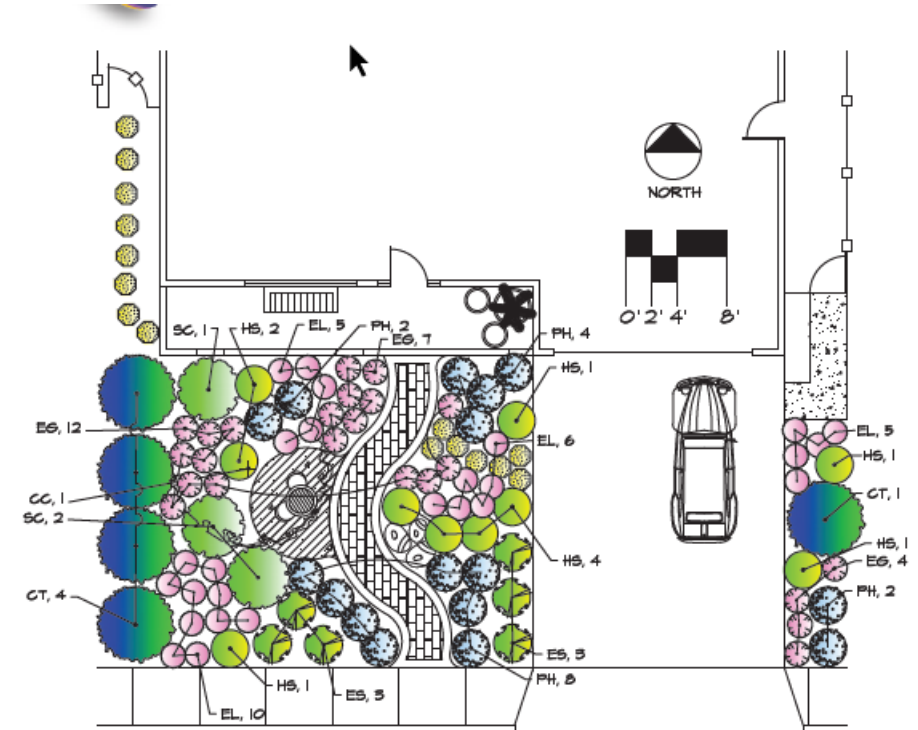


Water Conservation New Programs and Pilots Update

Water Supply and Demand Management Committee, September 2024
Ashley Shannon, Sr. Water Conservation Specialist

New and Enhanced Programs

- Landscape Direct Installation Program
 - Contract awarded to Smart Yards Coop
 - Lawn Busters waitlist will be prioritized
- Landscape Design Assistance Program
 - Launched January 2024
 - 13 participating landscape designers
 - Over 20 rebates issued so far



New and Enhanced Programs

- Annual Landscape Summit and Webinar Series
 - Contract awarded to G3 (Green gardeners Group)
 - Webinar series to launch in October
- Agricultural Mobile Irrigation Lab
 - Enhanced program informed by Agricultural Water Use Baseline Study
 - New contract award in process
- Demonstration Garden
 - 26,000 square foot proposed garden
 - Design RFP likely released by end of year



Pilots Update

- Pilots help inform larger-scale program development
- Commercial Indoor Water Use Survey Pilot Program
 - Water retail agency partnership
 - Free indoor evaluation of water using fixtures
 - Pilot so continue in FY25 with additional retail partners

Pilots Update

- Customer side water loss pilots:
 - Leak Detection and Repair Certification Training Project
 - Partnership with BAWSCA and CalWEP
 - Training program in development
 - Leak Assessment and Repair Pilot
 - Targeted low-income, disadvantaged, or underrepresented communities
 - 214 low-income households served
 - Estimated annual water savings of 72,812 gallons
 - Toilet Repair and Retrofit Pilot
 - Ran concurrently with Leak Assessment and Repair Pilot
 - Estimated annual water savings of 514,794 gallons

Next Steps

- Revamping two long-standing programs:
 - Fixture Replacement Program
 - Leak Assessment and Repair Pilot and Toilet Repair and Retrofit Pilot findings incorporated
 - Large Landscape Program
- "Making Conservation a California Way of Life" regulatory framework
 - Staff will continue to explore opportunities to help retailers comply



Santa Clara Valley Water District

File No.: 24-0842

Agenda Date: 9/23/2024

Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM Water Supply and Demand Management Committee

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

SUBJECT:

Receive Update on the B.F. Sisk Dam Raise and Reservoir Expansion Project.

RECOMMENDATION:

Receive an update on the B.F. Sisk Dam Raise and Reservoir Expansion Project.

SUMMARY:

The U.S. Bureau of Reclamation (Reclamation) and the San Luis & Delta-Mendota Water Authority (SLDMWA) are jointly developing the B.F. Sisk Dam Raise and Reservoir Expansion Project (Project). This Project will raise the existing B.F. Sisk Dam by 10 feet and increase the storage capacity of San Luis Reservoir, the nation's largest off-stream reservoir, by 130,000 acre-feet (AF). Santa Clara Valley Water District (Valley Water) has made previous financial contributions of approximately \$1.8 million towards the planning phase of the Project and has reserved up to 60,000 AF of storage capacity.

Staff will provide a verbal update on new developments related to the negotiations on the agreements needed to implement the Project. We anticipate that significant decisions related to Valley Water's continued participation in the Project will be needed in the next several months. Staff will provide additional detail when available.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

The B.F. Sisk Dam and Reservoir Expansion Project addresses water supply equity by ensuring a cost-effective, high-quality supply is available for all of Santa Clara County, including disadvantaged communities.

ATTACHMENTS:

None.

File No.: 24-0842

Agenda Date: 9/23/2024
Item No.: 4.3.

UNCLASSIFIED MANAGER:
Vincent Gin, 408-630-2633



Santa Clara Valley Water District

File No.: 24-0850

Agenda Date: 9/23/2024

Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM **Water Supply and Demand Management Committee**

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

SUBJECT:

Review and Discuss the Water Supply and Demand Management Committee (WSDMC) Work Plan.

RECOMMENDATION:

Review and discuss the WSDMC Work Plan.

SUMMARY:

Under direction of the Clerk, Work Plans are used by Board Committees to increase Committee efficiency, provide increased public notice of intended Committee discussions, and enable improved follow-up by staff. Work Plans are dynamic documents managed by Committee Chairs and are subject to change.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

The Committee's Work Plan is not subject to environmental justice analysis.

ATTACHMENTS:

Attachment 1: 2024 WSDMC Work Plan

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193.

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Proposed Water Supply and Demand Management Committee 2024 WORKPLAN

Task	Agenda Item	January	February	March	April	May	June	July	August	September	October	November	December
FY 24	Drought Preparation												
1.1	Drought Response Plan						X						
FY 23	WSMP Strategy 1: Secure Existing Supplies - 99,000 AF Conservation by 2030												
2.1	Water Conservation Savings Model/Annual Water Conservation Savings					X							
2.2	Water Conservation as a Way of Life recommendations (including water waste restrictions)								X				
2.3	New Programs (Lawn Busters, Pilot programs, landscape design assistance, demonstration garden, + affordability discussion/supporting underserved communities)					X			X				
2.5	Safe and Clean Water (SCW) Funding (Landscape Rebate Prog. (LRP) & Demo Garden)							X					
2.6	Collaboration with Retailers+outreach, including Renters/Landlords										X		
FY 24	WSMP Strategy 2: Increase Water Conservation (109,000 AF) and Stormwater Capture (1,000 AF) by 2040												
3.1	Investments in no-regrets package, including stormwater resource plan						X						
3.2	Stormwater Capture/ FloodMAR						X						
3.3	Find opportunities to ensure new development has improved water wise features (MWENDO, land use coordination)								X				
3.4	Resource Needs									X			
3.5	Review long-term goals as part of WSMP update	X				X							
FY 24	WSMP Strategy 3 Optimize the Use of Existing Supplies and Infrastructure (SGMA/groundwater management and storage projects)												
4.1	Sustainable Groundwater Management Act (SGMA) - annual update										X		
4.2	South County Recharge										X		
4.3	Los Vaqueros Reservoir Expansion Project						X						
4.4	Sites Reservoir Expansion						X						
4.5	BF Sisk Dam Raise						X		X	X	X	X	
4.6	Groundwater Banking Opportunities										X		
4.7	Semitropic Groundwater bank										X		
4.8	Pacheco Reservoir Expansion Project					X			X			X	

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