

June 17, 2021

**MEETING NOTICE****WATER CONSERVATION AND DEMAND MANAGEMENT COMMITTEE**

Members of the Water Conservation and Demand Management Committee:

Director Nai Hsueh, Committee Vice Chair  
Director Barbara Keegan  
Director Linda J. LeZotte, Committee Chair

Staff Support of the Water Conservation and Demand Management Committee:

Rick Callender, Esq., Chief Executive Officer  
Melanie Richardson, Assistant Chief Executive Officer  
Aaron Baker, Chief Operating Officer, Water Utility  
Rachael Gibson, Chief of External Affairs  
J. Carlos Orellana, District Counsel  
Gregory Williams, Deputy Operating Officer, Raw Water Division  
Vincent Gin, Deputy Operating Officer, Water Supply Division  
Bhavani Yerrapotu, Deputy Operating Officer, Treated Water Operations & Maintenance Division  
Don Rocha, Deputy Administrative Officer, Office of Government Relations  
Bart Broome, Assistant Officer, Office of Government Relations  
Antonio Alfaro, Government Relations Advocate, Office of Government Relations  
Kirsten Struve, Assistant Officer, Water Supply Division  
Vanessa De La Piedra, Groundwater Management Manager, Groundwater Monitoring and Analysis Unit  
Metra Richert, Unit Manager of the Water Supply Planning and Conservation Unit, Water Supply Division,  
Samantha Greene, Senior Water Resources Specialist, Water Supply Planning & Conservation Unit  
Jing Wu, Senior Water Resources Specialist, Water Supply Planning & Conservation Unit  
Justin Burks, Senior Water Conservation Specialist, Water Supply Planning & Conservation Unit

The special meeting of the Water Conservation and Demand Management Committee is scheduled to be held on **Monday, June 21, 2021, at 11:00 a.m.** Join Zoom Meeting Link: <https://valleywater.zoom.us/j/92597340524>.

The meeting agenda and corresponding materials are located on our website: <https://www.valleywater.org/how-we-operate/committees/board-advisory-committees> or <https://www.valleywater.org/sites/default/files/WCaDMC-Agenda-06212021.pdf>.



## **June 21, 2021, Water Conservation and Demand Management Committee Meeting**

Join Zoom Meeting

<https://valleywater.zoom.us/s/92597340524>

Meeting ID: 925 9734 0524

One tap mobile

+16699009128,,92597340524# US (San Jose)

Dial by your location

+1 669 900 9128 US (San Jose)

Meeting ID: 925 9734 0524



# Santa Clara Valley Water District Water Conservation and Demand Management Committee

Teleconference-via Zoom

**Join Zoom Meeting**

**<https://valleywater.zoom.us/j/92597340524>**

## SPECIAL MEETING AGENDA

**Monday, June 21, 2021  
11:00 AM**

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

BOARD REPRESENTATIVES:  
Director Nai Hsueh, Committee Vice  
Chair  
Director Barbara Keegan  
Director Linda J. LeZotte, Committee  
Chair

During the COVID-19 restrictions, all public records relating to an open session 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 to the public through the legislative body agenda web page at the same time that the public records are distributed or made available to the legislative body, or through a link in the Zoom Chat Section during the respective meeting. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to participate in the legislative body's meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

Mr. Vincent Gin  
(Staff Liaison)

Ms. Glenna Brambill, (COB  
Liaison)  
Management Analyst II  
gbrambill@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.**

**Santa Clara Valley Water District**  
**Water Conservation and Demand Management Committee**

**SPECIAL MEETING**  
**AGENDA**

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Monday, June 21, 2021

11:00 AM

Teleconference-via Zoom

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**IMPORTANT NOTICES**

This meeting is being held in accordance with the Brown Act as currently in effect under the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive Order N-29-20 issued on March 17, 2020 that allows attendance by members of the Committee, staff, and the public to participate and conduct the meeting by teleconference, videoconference, or both.

Members of the public wishing to address the Committee during a video conferenced meeting on an item not listed on the agenda, or any item listed on the agenda, should use the "Raise Hand" tool located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in the order requests are received and granted speaking access to address the Committee.

Santa Clara Valley Water District (Valley Water) in complying with the Americans with Disabilities Act (ADA), requests individuals who require special accommodations to access and/or participate in Valley Water Committee meetings to please contact the Clerk of the Board's office at (408) 630-2711, at least 3 business days before the scheduled meeting to ensure that Valley Water may assist you.

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 statements included in the information in this agenda are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of Valley Water's bonds, notes or other obligations and investors and potential investors should rely only on information filed by Valley Water on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures and Valley Water's Investor Relations website, maintained on the World Wide Web at <https://emma.msrb.org/> and <https://www.valleywater.org/how-we-operate/financebudget/investor-relations>, respectively.

Under the Brown Act, members of the public are not required to provide identifying information in order to attend public meetings. Through the link below, the Zoom webinar program requests entry of a name and email address, and Valley Water is unable to modify this requirement. Members of the public not wishing to provide such identifying information are encouraged to enter "Anonymous" or some other reference under name and to enter a fictional email address (e.g., attendee@valleywater.org) in lieu of their actual address. Inputting such values will not impact your ability to access the meeting through Zoom.

**Join Zoom Meeting**

**<https://valleywater.zoom.us/j/92597340524>**

**Dial by your location  
+1 669 900 9128 US (San Jose)  
Meeting ID: 925 9734 0524**

**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 Committee on any item not listed on the agenda should access the "Raise Hand" tool located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in order requests are received and granted speaking access to address the Committee. Speakers comments should be limited to two minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If 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 Committee may take action on any item of business appearing on the posted agenda.*

**3. APPROVAL OF MINUTES:**

3.1. Approval of Minutes.

[21-0690](#)

Recommendation: Approve the May 10, 2021, Meeting Minutes

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 05102021 WCaDM Comm DRAFT Mins](#)

Est. Staff Time: 5 Minutes

**4. ACTION ITEMS:**

- 4.1. Update on Water Conservation Programs and Activities following the Board's Adoption of a Resolution Declaring a Water Shortage Emergency Condition Calling for Water Use Restrictions and Urging the County of Santa Clara to Proclaim a Local Emergency. [21-0691](#)

Recommendation:      A. Receive and Discuss Information on Water Conservation Programs and Activities following the Board's Adoption of a Resolution Declaring a Water Shortage Emergency Condition Calling for Water Use Restrictions and Urging the County of Santa Clara to Proclaim a Local Emergency; and  
                                 B. Discuss regular meetings of the committee to continue monitoring water conservation actions and provide direction.

Manager:                Kirsten Struve, 408-630-3138

Attachments:         [Attachment 1: Resolution 21-68](#)

Est. Staff Time:      45 Minutes

- 4.2. Review Water Conservation and Demand Management Committee Work Plan, the Outcomes of Board Action of Committee Requests; and the Committee's Next Meeting Agenda. [21-0692](#)

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

Manager:                Michele King, 408-630-2711

Attachments:         [Attachment 1: WCaDMC Work Plan](#)  
                                 [Attachment 2: Draft Work Plan Discussion](#)

Est. Staff Time:      15 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, to be called to order in compliance with the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive Order N-29-20.



# Santa Clara Valley Water District

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**File No.:** 21-0690

**Agenda Date:** 6/21/2021  
**Item No.:** 3.1.

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## COMMITTEE AGENDA MEMORANDUM

### Water Conservation and Demand Management Committee

**SUBJECT:**

Approval of Minutes.

**RECOMMENDATION:**

Approve the May 10, 2021, Meeting 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 meeting.

**ATTACHMENTS:**

Attachment 1: 05102021 WCaDMC Draft Minutes

**UNCLASSIFIED MANAGER:**

Michele King, 408-630-2711







WATER CONSERVATION AND DEMAND MANAGEMENT COMMITTEE MEETING

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# DRAFT MINUTES

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**MONDAY, MAY 10, 2021  
11:00 AM**

A special scheduled meeting of the Water Conservation and Demand Management Committee was held on May 10, 2021, via zoom in San Jose, California.

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

Committee Chair, Director Linda J. LeZotte called the meeting to order at 11:01 a.m.

Board Members in attendance were: Committee Vice Chair, Director Nai Hsueh-District 5, Director Barbara Keegan-District 2, Committee Chair, Director Linda J. LeZotte-District 4.

Staff members in attendance were: Aaron Baker, Glenna Brambill, Justin Burks, Theresa Chinte, Vanessa De La Piedra, Melissa Fels, Vincent Gin, Samantha Greene, Jason Gurdak, Brian Hopper, Matt Keller, Karen Koppett, Melanie Richardson, Metra Richert, Don Rocha, Ashley Shannon, Kirsten Struve, Gregory Williams, and Jing Wu.

Guest Agencies in attendance were: Michael Bolzowski (California Water), Dominic Gutierrez (DWR), Tim Guster (Great Oaks Water Company), Anthony Eulo (City of Morgan Hill), Katja Irvin (Sierra Club Loma Prieta Chapter), Kurt Elvert, John Tang and Bill Tuttle (San Jose Water Company), Brian Manning (Stanford University).

Public in attendance were: Doug Muirhead, Esther Nigenda, William (Bill) Sherman, and Director John L. Varela (Valley Water-District 1).

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

There was no one present who wished to speak.

**3. APPROVAL OF MINUTES**

**3.1 APPROVAL OF MINUTES**

It was moved by Director Nai Hsueh, seconded by Director Barbara Keegan, and carried by roll call and unanimous vote, to approve the minutes of the April 12, 2021, Water Conservation and Demand Management Committee meeting as presented.

#### **4. ACTION ITEMS**

##### **4.1 WATER CONSERVATION PROGRAM AND SPRING AND SUMMER OUTREACH CAMPAIGNS**

Mr. Justin Burks and Mr. Matt Keller reviewed the materials as outlined in the agenda item.

The Water Conservation and Demand Management Committee discussed the following: design construction, maintenance of drought tolerant plants, 25% conservation, clear messaging, workshops for drought proofing, and zoom presentations.

Ms. Karen Koppett and Ms. Ashley Shannon were available to answer questions.

Mr. Anthony Eulo complimented Director Barbara Keegan and Ms. Shannon for pursuing the design construction aspect (chokepoint).

Mr. William Sherman noted that the 2013 conservation baseline is important to share.

Mr. Tim Guster share that the customers that do not know their watering history will need to know how to convey the 2013 baseline.

The Water Conservation and Demand Management Committee took no action.

##### **4.2 2020 URBAN WATER MANAGEMENT PLAN UPDATE**

Ms. Jing Wu reviewed the materials as outlined in the agenda item.

The Water Conservation and Demand Management Committee discussed the following: Delta Reliance, Water Shortage Contingency Plan and 2020 population projects.

Ms. Samantha Greene, Mr. Vincent Gin and Ms. Metra Richert were available to answer questions.

Ms. Katja Irvin noted her concerns with the assumptions and use of ABAG data on the projections, numbers look high and water demands keep usage low and conserving more.

Mr. William Sherman agrees with Katja and he has some information he'll share offline with her and staff.

The Water Conservation and Demand Management Committee took the following action:

It was moved by Director Barbara Keegan, seconded by Director Nai Hsueh, and carried by a roll call vote unanimously approved Staff's recommendation to take the 2020 Urban Water Management Plan to the June 8, 2021, Board meeting for public hearing and plan adoption.

#### **4.3 MONITORING ASSESSMENT PROGRAM UPDATE: RISK ASSESSMENT AND CLIMATE ANALYSIS**

Ms. Samantha Greene reviewed the materials as outlined in the agenda item.

The Water Conservation and Demand Management Committee discussed the following: re-evaluations of the rates/planning information, service goals, modeling/reducing volatility, evaporation percentage, overall water supply, reliability and flexibility.

Mr. Aaron Baker and Mr. Vincent Gin were available to answer questions.

The Water Conservation and Demand Management Committee took no action.

#### **4.4 SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA) UPDATE**

Mr. Jason Gurdak reviewed the materials as outlined in the agenda item.

The Water Conservation and Demand Management Committee took no action.

#### **4.5 REVIEW WATER CONSERVATION AND DEMAND MANAGEMENT COMMITTEE WORK PLAN, THE OUTCOMES OF BOARD ACTION OF COMMITTEE REQUESTS; AND THE COMMITTEE'S NEXT MEETING AGENDA**

Ms. Glenna Brambill reviewed the materials as outlined in the agenda items.

Director Nai Hsueh and Ms. Kirsten Struve reviewed the newly designed work plan and will continue assigning the items to reflect the nexus to the Water Supply Master Plan.

The Water Conservation and Demand Management Committee will schedule a meeting once the agenda items are finalized.

### **5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE'S REQUESTS**

Ms. Glenna Brambill stated there was one action item for Board consideration.

#### **Agenda Item 4.2**

The Water Conservation and Demand Management Committee by a roll call vote unanimously approved Staff's recommendation to take the 2020 Urban Water Management Plan to the June 8, 2021, Board meeting for public hearing and plan adoption.

**6. ADJOURNMENT**

Committee Chair Director Linda J. LeZotte adjourned at 1:02 p.m.

Glenna Brambill  
Board Committee Liaison  
Office of the Clerk of the Board

Approved:



# Santa Clara Valley Water District

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**File No.:** 21-0691

**Agenda Date:** 6/21/2021

**Item No.:** 4.1.

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## COMMITTEE AGENDA MEMORANDUM

### Water Conservation and Demand Management Committee

**SUBJECT:**

Update on Water Conservation Programs and Activities following the Board's Adoption of a Resolution Declaring a Water Shortage Emergency Condition Calling for Water Use Restrictions and Urging the County of Santa Clara to Proclaim a Local Emergency.

**RECOMMENDATION:**

- A. Receive and Discuss Information on Water Conservation Programs and Activities following the Board's Adoption of a Resolution Declaring a Water Shortage Emergency Condition Calling for Water Use Restrictions and Urging the County of Santa Clara to Proclaim a Local Emergency; and
- B. Discuss regular meetings of the committee to continue monitoring water conservation actions and provide direction.

**SUMMARY:**

**Drought Conditions Impacting Santa Clara County**

On June 9, 2021, the Board declared a water shortage emergency condition pursuant to California Water Code §350; called for water use restrictions of 15% compared to 2019; and urged the County of Santa Clara to proclaim a local emergency (Attachment 1).

Reflecting critically dry conditions across the state, the Central Valley Project and State Water Project have drastically reduced imported water allocations, which comprises half of Santa Clara Valley Water District's (Valley Water) typical annual water supply. Valley Water has been negotiating purchases of emergency transfer water supplies; however, potential state regulatory actions pose significant uncertainty to water transfers.

Furthermore, Valley Water is impacted by the unavailability of Anderson Reservoir as a surface water storage facility for the duration of the Anderson Dam Seismic Retrofit Project, which is expected to last 10 years. The loss of Anderson, lower imported water supplies, and uncertainty over emergency water transfers can result in rapid and significant drops in our groundwater levels and resulting in the potential for subsidence and dry wells. In South County, groundwater is the only drinking water supply.

Consequently, water conservation is a critical strategy to help alleviate these negative impacts.

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## **Valley Water's Drought Response; Water Conservation**

Valley Water has called for water use reductions between 20 to 30 percent since 2014, prompted by a historic, multiyear drought from 2012 to 2016. On April 27, 2021, the Board voted to call for a voluntary 25 percent water conservation as compared to 2013 water use. The resolution approved by the Board includes a call for a water use reduction target equal to 15% of 2019 water use. Because water savings in 2019 were 21% of 2013 water use, the call for a 15% reduction of 2019 water use is equivalent to a water use reduction target of 33% of 2013 water use.

### **Drought Response Coordination**

Based on lessons learned from the previous drought, staff has initiated agency-wide coordination on drought response, including having an agency-wide drought coordinator.

### **Continuing, New and Expanded Water Conservation Programs**

In addition to the call for water use reductions, Valley Water has ramped up efforts to expand its many conservation programs. Valley Water will use \$1 million a year of Safe Clean Water Measure S funding in fiscal year 2022 and 2023 to increase the Landscape Rebate Program's Landscape Conversion Rebates to \$2.00 per square foot and increase the maximum rebate from \$2,000 to \$3,000 for single-family homes; expand its partnership with a local nonprofit organization, Our City Forest, to offer the Lawn Busters Program to low-income community members, US veterans, and other disadvantaged community members; and develop multi-lingual educational videos to promote water conservation. Earlier this spring, Valley Water released a new, online Shopping Cart that allows residents and businesses to easily order free water-efficient tools like efficient showerheads and faucet aerators, and get those tools shipped to their homes or businesses free of charge. This new tool has been very popular. Recruitment of new temporary staff and interns to support the expanded programs is underway. Per the Board's direction, staff will present a summary of all the existing water conservation programs for residents and businesses at a future Board meeting.

### **Water Waste Inspector Program**

Valley Water is receiving an increasing volume of calls reporting water waste and is recruiting additional water waste inspectors to provide outreach and education in response to reports of water waste.

### **Agricultural Water Conservation Programs**

Per the Board's direction, staff will work with the Agricultural Water Advisory Committee and the Farm Bureau to highlight Valley Water's agricultural water conservation programs. Valley Water has several conservation programs for agriculture and is currently developing an agricultural water use baseline study. Valley Water's Mobile Irrigation Lab provides seasonal crop canopy monitoring, irrigation system design consultation, and irrigation scheduling decision support for those that sign up for the program. For part of this process, there is an online decision support and operational task management tool for the site-specific conditions of their farm or ranch.

### **Public Outreach Campaigns**

The current and planned public outreach campaigns emphasize being "drought-ready" and promotes Valley Water's many conservation programs. Valley Water's multilingual spring water conservation campaign includes digital ads, print advertorials in community newspapers, social media posts,

videos, and radio ads. Staff is developing a new summer campaign utilizing focus groups and market research to further encourage water conservation and drive behavioral change toward that end. In addition, staff is providing water conservation messaging for Board members to present as part of Speakers Bureau engagements and supporting Board members' engagement on media interviews. Finally, staff is developing a BeHeard interactive webpage on drought conditions and Valley Water's water conservation efforts, to facilitate two-way dialogue with the community on the drought, respond to questions, and help drive water conservation efforts.

**Collaboration with Water Retailers**

Staff is collaborating with water retailers on follow up related to the water shortage emergency condition declaration, including working with the Water Retailer Communications Subcommittee to share messaging.

**Collaboration with the County and Cities**

Staff recommends that a special Water Commission meeting be scheduled to further collaborate with the cities and the county on water conservation efforts, including adoption of ordinance provisions prohibiting the wasteful use of water. This special meeting and the follow up afterward should help encourage uniformity and consistency of messaging and water conservation and water waste provisions across the cities, the county, and the retailers.

The County and 11 cities currently have water conservation ordinances that are in effect today. Each has its own conservation measures. Five of our cities/retailers (Gilroy, Los Altos Hills, Milpitas, Morgan Hill, and San Jose Water Company) already have restrictions in place limiting the number of days of outdoor watering. Some other common restrictions are irrigation restrictions (for example, no irrigation within 48 hours of rainfall), fixing leaks within 5 working days, and washing cars at home only using a nozzle that shuts off automatically when the handle is released.

One reason the resolution includes a list of specific measures is, to the greatest extent possible, to have more uniformity across retailers and jurisdictions to better facilitate regionwide conservation messaging and outreach.

**Water Conservation and Demand Management Committee Meeting Schedule**

Staff recommends discussion of scheduling monthly committee meetings in preparation for monthly Board updates on drought response. This will allow the committee to monitor staff's progress on water conservation program implementation, messaging, and provide the opportunity for feedback to staff and recommendations to the Board.

**ATTACHMENTS:**

Attachment 1: Resolution 21-68

**UNCLASSIFIED MANAGER:**

Kirsten Struve, 408-630-3138





**BOARD OF DIRECTORS  
SANTA CLARA VALLEY WATER DISTRICT**

**RESOLUTION NO. 21-68**

**RESCINDING RESOLUTION 17-43, DECLARING A WATER SHORTAGE  
EMERGENCY CONDITION CALLING FOR WATER USE RESTRICTIONS, AND  
URGING THE COUNTY OF SANTA CLARA TO PROCLAIM A LOCAL EMERGENCY**

WHEREAS, a public hearing was held on June 9, 2021, on the matter of whether the Santa Clara Valley Water District (Valley Water) Board of Directors should declare that a water shortage emergency condition exists within Santa Clara County (County); and

WHEREAS, notice of said hearing was published on June 2, 2021, in the *San Jose Mercury News*, a newspaper of general circulation printed and published within the County; and

WHEREAS, at said hearing, all persons present were given an opportunity to be heard by the Board; and

WHEREAS, the Board heard and considered public testimony, staff's presentation, and other evidence presented at said hearing; and

WHEREAS, the County is in its second consecutive year of drought, and the County is now in an extreme drought condition according to the United States Drought Monitor; and

WHEREAS, pursuant to Water Code Section 350 a "governing body of a distributor of a public water supply, whether publicly or privately owned and including a mutual water company, shall declare a water shortage emergency condition to prevail within the area served by such distributor whenever it finds and determines that the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the distributor to the extent that there would be insufficient water for human consumption, sanitation, and fire protection"; and

WHEREAS, the Board seeks to conserve the limited water supply of Valley Water for the greatest public benefit with particular regard to public health, fire protection, and domestic use without threatening local land subsidence, by ensuring the conservation of water, by avoiding the waste of water, and to the extent necessary and by reason of the existing water shortage emergency condition, by reducing water use in the County in a manner that is fair and equitable; and

WHEREAS, on March 22, 2021, the California State Water Resources Control Board mailed early warning notices to water rights holders in California, including Valley Water, urging them to plan for potential shortages by reducing water use and adopting practical conservation measures; and

WHEREAS, local watershed runoff was substantially limited in the 2020 and 2021 water years due to extreme dry conditions and Valley Water's current local surface water storage as of June 1 is at 26 percent of the 20-year average; and

WHEREAS, Anderson Reservoir is Valley Water's largest surface water reservoir and holds up to 89,278 acre-feet of water—more than all of Valley Water's other nine surface water reservoirs combined; and

WHEREAS, on February 20, 2020, the Federal Energy Regulatory Commission, for public health and safety reasons, ordered Valley Water to drain Anderson Reservoir to deadpool beginning no later than October 1, 2020; and

WHEREAS, Anderson Reservoir has been drained to deadpool and will not be available as a surface water storage facility for the duration of the Anderson Dam Seismic Retrofit Project, which is expected to last 10 years; and

WHEREAS, the availability of Coyote Reservoir, Valley Water's second largest reservoir, is also limited because of California Department of Water Resources Division of Safety of Dams storage limits; and

WHEREAS, due to the unavailability of Anderson Reservoir and limited availability of Coyote Reservoir due to regulatory restrictions, Valley Water's ability to store water locally for groundwater recharge and water treatment plant supplies, and as a buffer to mitigate against current and future water shortages, is significantly limited; and

WHEREAS, the snowpack in the northern Sierra Nevada Mountains was 5 percent of normal and the statewide snow water equivalent was zero percent of normal as of June 1, 2021; and the 2021 State Water Project allocation is 5 percent, and the 2021 South-of-Delta Central Valley Project allocation is currently 25 percent for Municipal & Industrial water and zero percent for Agricultural water; and

WHEREAS, there is significant uncertainty as to local and statewide water supply conditions, and imported supplies may continue to be negatively impacted; and

WHEREAS, Santa Clara County relies heavily on unpredictable imported water to supplement local water to supply its drinking water treatment plants, to replenish the local groundwater basins, and to prevent adverse community impacts such as the return of historic overdraft and land subsidence in northern Santa Clara County; and

WHEREAS, through careful groundwater management, Santa Clara County groundwater storage at the start of 2021 was well within the "Normal" stage (Stage 1) of Valley Water's Water Shortage Contingency Plan, but without additional water use reduction this storage is expected to drop significantly by as much as 80,000 acre-feet by the end of 2021 due to limited recharge and increased pumping as a result of drought conditions, reduced imported water allocations, and the loss of Anderson Reservoir as a surface water storage facility; and

WHEREAS, if drought conditions continue into 2022 and imported water supplies continue to be severely limited, the worst case scenario projects groundwater to drop to the "Emergency" stage (Stage 5) of the Water Shortage Contingency Plan without additional water use reduction, which would greatly increase the risk of resumed land subsidence in northern Santa Clara County, risk wells going dry in residential areas of the County where groundwater is the sole source of drinking water, and risk that the ordinary demands and requirements of water consumers will not be satisfied without depleting the water supply to the extent that there would be insufficient water for human consumption, sanitation, and fire protection; and

WHEREAS, due to historic groundwater overdraft, the greater San José metropolitan area and heart of Silicon Valley had up to 14 feet of permanent subsidence, which resulted in seawater

intrusion, increased flood risk, and widespread damage to infrastructure, conservatively estimated to cost over \$947 million in 2021 dollars; and

WHEREAS, over 3,000 domestic wells users in southern Santa Clara County depend on groundwater for potable water supplies and these wells are often more vulnerable than public water supply wells, which are typically deeper; and

WHEREAS, Valley Water must maintain sufficient groundwater storage to guard against land subsidence, meet local water demands, cope with supply interruptions from natural disasters and ensure sufficient water for fire protection; and

WHEREAS, it is Valley Water's policy and is in the interest of Valley Water and the community to reduce the severity and occurrences of drought or dry weather induced water shortages by encouraging water use reduction measures so that available water supplies can meet at least 80 percent of average annual demand in drought years; and

WHEREAS, Santa Clara County and the region are subject to reoccurring droughts of varying severity, such as those prompting Valley Water to call for water use reductions in 1977, 1987 to 1992, 2007 to 2010; and

WHEREAS, Santa Clara County and California experienced a historic, multiyear drought from 2012 to 2016, prompting Valley Water to call for mandatory water use reductions between 20 to 30 percent since 2014; and

WHEREAS, on June 13, 2017, by Resolution 17-43, Valley Water continued its call for a voluntary 20 percent water use reduction (as compared to 2013 water use), and called for efforts to make water conservation a way of life; and

WHEREAS, on April 27, 2021, the Board voted to call for a voluntary 25 percent water use reduction (as compared to 2013 water use); and

WHEREAS, continuing the progress and momentum of community water use reductions and water wise efforts to make water conservation a way of life will improve long-term water supply reliability; and

WHEREAS, increasing long-term water conservation efforts and improving water use efficiency; strengthening local and regional drought planning; and increasing water supply and land use planning coordination are critical to Santa Clara County's resilience to drought, which may be intensified in the future with climate change; and

WHEREAS, Valley Water continues to work closely with its retail water agencies, untreated surface water customers, well owners, farmers, regulatory agencies, state and federal project operators, other water districts, and local municipalities and land use agencies to develop common sense approaches with the goal of achieving drought resiliency.

NOW, THEREFORE BE IT RESOLVED that the Board of Directors of the Santa Clara Valley Water District hereby:

1. Rescinds Board Resolution 17-43; and
2. Declares pursuant to California Water Code Section 350 that a water shortage emergency condition now prevails within the County and a continued supply of water cannot be assured for human consumption, sanitation, and fire protection without threatening local land subsidence, and that such water shortage emergency condition shall continue until the Valley Water's Board adopts a finding determining otherwise; and
3. Establishes a water reduction program pursuant to Article C(4)(c) of Valley Water's treated water contracts by calling for water retailers to achieve a water use reduction equal to 33 percent of 2013 water use (15 percent of 2019 water use), which will result in a 23 percent reduction of Valley Water treated water scheduled deliveries to water retailers while such water reduction program is in effect; and
4. Commits to aggressively promote its conservation programs and information for the public, residents, businesses, agricultural and untreated water customers, and retailers to support all sectors in reducing water use; and
5. Urges Santa Clara County farmers and untreated water customers to consider the water shortage emergency condition in planting and irrigation practices; and
6. Calls for the public to restrict outdoor watering of ornamental landscapes or lawns with potable water to a maximum of three days a week; and
7. Urges local enforcement of other water waste restrictions currently in effect by local agencies and retailers, or as may be amended; and
8. Requests that the Santa Clara County Board of Supervisors proclaim a local emergency now exists throughout the County due to drought conditions; and
9. Supports local adoption and enforcement of additional water waste restrictions by cities, retailers, and the County as needed to achieve the water use reduction target of 15 percent of 2019 water use (33 percent of 2013 water use); these may include prohibitions against the following:
  - Use of potable water for more than minimal landscaping, as defined in the landscaping regulated of the jurisdiction or as described in Article 10.8 of the California Government Code in connection with new construction;
  - Excessive use of water: when a utility has notified the customer in writing to repair a broken or defective plumbing, sprinkler, watering or irrigation system and the customer has failed to affect such repairs within five business days, the utility may install a flow restriction device;
  - Use of potable water that results in flooding or runoff in gutters or streets;

- Individual private washing of cars with a hose except with the use of a positive action shut-off nozzle. Use of potable water for washing commercial aircraft, cars, buses, boats, trailers, or other commercial vehicles at any time, except at commercial or fleet vehicle or boat washing facilities operated at a fixed location where equipment using water is properly maintained to avoid wasteful use;
  - Use of potable water for washing buildings, structures, driveways, patios, parking lots, tennis courts, or other hard-surfaced areas, except in the cases where health and safety are at risk;
  - Use of potable water to irrigate turf, lawns, gardens, or ornamental landscaping by means other than drip irrigation, or hand watering without quick acting positive action shut-off nozzles, on a specific schedule, for example: 1) before 9:00 a.m. and after 5:00 p.m.; 2) every other day; or 3) selected days of the week;
  - Use of potable water for street cleaning with trucks, except for initial wash-down for construction purposes (if street sweeping is not feasible), or to protect the health and safety of the public;
  - Use of potable water for construction purposes, such as consolidation of backfill, dust control, or other uses unless no other source of water or other method can be used;
  - Use of potable water for construction purposes unless no other source of water or other method can be used;
  - Use of potable water for street cleaning;
  - Operation of commercial car washes without recycling at least 50 percent of the potable water used per cycle;
  - Use of potable water for watering outside plants, lawn, landscape, and turf areas during certain hours if and when specified in CPUC Tariff Schedule No. 14.1 when the schedule is in effect;
  - Use of potable water for decorative fountains or the filling or topping off of decorative lakes or ponds. Exceptions are made for those decorative fountains, lakes, or ponds which utilize recycled water;
  - Use of potable water for the filling or refilling of swimming pools;
  - Service of water by any restaurant except upon the request of a patron; and
  - Use of potable water to flush hydrants, except where required for public health or safety.
10. Recommends cities, retailers, and the County consider adopting water waste restrictions that are permanent.

Rescinding Resolution 17-43, Declaring a Water Shortage Emergency Condition Calling for  
Water Use Restrictions, and Urging the County of Santa Clara to Proclaim a Local Emergency  
Resolution No. 21-68

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PASSED AND ADOPTED by the Board of Directors of the Santa Clara Valley Water District by  
the following vote on June 9, 2021:

AYES: Directors R. Santos, N. Hsueh, T. Estremera, B. Keegan, G. Kremen,  
L. LeZotte, J. Varela  
NOES: Directors None  
ABSENT: Directors None  
ABSTAIN: Directors None

SANTA CLARA VALLEY WATER DISTRICT

  
TONY ESTREMERERA  
Chair, Board of Directors

ATTEST: MICHELE L. KING, CMC

  
Clerk, Board of Directors



# Santa Clara Valley Water District

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**File No.:** 21-0692

**Agenda Date:** 6/21/2021

**Item No.:** 4.2.

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## **COMMITTEE AGENDA MEMORANDUM**

### **Water Conservation and Demand Management**

#### **SUBJECT:**

Review Water Conservation and Demand Management 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 Board-approved topics for discussion to be able to prepare policy alternatives and implications for Board deliberation. The work plan is agendaized at each meeting as accomplishments are updated and to review additional 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.

#### **ATTACHMENTS:**

Attachment 1: WCaDMC Work Plan

Attachment 2: WCaDMC Draft Work Plan Discussion

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**File No.:** 21-0692

**Agenda Date:** 6/21/2021  
**Item No.:** 4.2.

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**UNCLASSIFIED MANAGER:**  
Michele King, 408-630-2711



## 2021 Work Plan: Water Conservation and Demand Management Committee

Update: May 2021

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	MEETING DATE	DISCUSSION/ACTION ITEM	ACCOMPLISHMENT DATE AND OUTCOME
1	Review voluntary call for conservation	3-30-2021	Discussion/Action Item	<p><b>Accomplished March 30, 2021:</b>            The Committee reviewed and discussed voluntary call for conservation and took the following action:            The Committee voted unanimously to increase the Landscape Rebate Program to \$2.00 a square foot.  <i>Board approved at its meeting on April 27, 2021.</i></p>
2	Review Water Conservation and Demand Management Committee Work Plan, the Outcomes of Board Action of Committee Requests; and the Committee's Next Meeting Agenda	3-30-2021 4-12-2021 5-10-2021	Discussion/Action Item	<p><b>Accomplished March 30, 2021:</b>            The Committee reviewed and discussed the Water Conservation and Demand Management Committee Work Plan and took no action, however, the Committee would like to connect items to the 2040 Water Supply Master Plan.</p> <p><b>Accomplished April 12, 2021:</b>            The Committee reviewed and discussed the Water Conservation and Demand Management Committee Work Plan and took no action, however, Committee Vice Chair Nai Hsueh will work on the Committee's work plan since meeting with the Chair would constitute a quorum.</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1  
Page 1 of 4

**2021 Work Plan: Water Conservation and Demand Management Committee**

Update: May 2021

ITEM	WORK PLAN ITEM	MEETING DATE	DISCUSSION/ACTION ITEM	ACCOMPLISHMENT DATE AND OUTCOME
				<p><b>Accomplished May 10, 2021:</b>                      The Committee reviewed and discussed the Water Conservation and Demand Management Committee Work Plan and took no action, however, Committee Vice Chair Nai Hsueh will work on the Committee's newly revised work plan with staff for future meetings</p>
3	<p><b>Update on 2021 Water Supply Conditions and Water Conservation Program</b></p>	4-12-2021	Discussion/Action Item	<p><b>Accomplished April 12, 2021:</b>                      The Committee received updated information on the 2021 Water Supply Conditions and Water Conservation Program and took the following action:                      The Committee by a roll call vote unanimously approved</p> <ol style="list-style-type: none"> <li>1. Support maintaining current voluntary call for conservation</li> <li>2. Recommends the Board direct staff to increase water conservation messaging, programs to inspire additional water savings, and</li> <li>3. The Committee also recommended the outreach messaging include the following suggestions since the messaging is being developed to tailor the message:                             <ul style="list-style-type: none"> <li>• To those that are conserving vs those that are not, (what should be done if someone is not conserving),</li> <li>• Encourage those that are already conserving and what</li> </ul> </li> </ol>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

# 2021 Work Plan: Water Conservation and Demand Management Committee

Update: May 2021

ITEM	WORK PLAN ITEM	MEETING DATE	DISCUSSION/ACTION ITEM	ACCOMPLISHMENT DATE AND OUTCOME
				<p>tools/suggestions for them to continue,</p> <ul style="list-style-type: none"> <li>• To be user-friendly,</li> <li>• That the 20% water conservation message mention the base year (2013 or other year)</li> <li>• Conservation goal objective be clear—whether a number of 15% or 20% is going to be used (or not).</li> </ul> <p><i>Board approved at its meeting on April 27, 2021, with a recommended conservation goal objective of 25%.</i></p>
4	Water Conservation Program and Spring and Summer Outreach Campaigns	5-10-2021	Discussion/Action Item	<p><b>Accomplished May 10, 2021:</b> The Committee received an update on the Water Conservation Program and Spring and Summer Outreach Campaigns and took no action.</p>
5	2020 Urban Water Management Plan Update	5-10-2021	Discussion/Action Item	<p><b>Accomplished May 10, 2021:</b> The Committee received an update on the 2020 Urban Water Management Plan and took the following action: By unanimous roll call vote the Committee approved staff's recommendation to take the 2020 Urban Water Management plan to the Board on June 8<sup>th</sup> for the Board to consider a public hearing and adoption of the Plan.</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1  
Page 3 of 4

## 2021 Work Plan: Water Conservation and Demand Management Committee

Update: May 2021

ITEM	WORK PLAN ITEM	MEETING DATE	DISCUSSION/ACTION ITEM	ACCOMPLISHMENT DATE AND OUTCOME
6	<b>Monitoring Assessment Program Update: Risk Assessment and Climate Analysis</b>	5-10-2021	Discussion/Action Item	<b>Accomplished May 10, 2021:</b> The Committee received a presentation on the Monitoring Assessment Program Update: Risk Assessment and Climate Analysis and took no action.
7	<b>Sustainable Groundwater Management Act (SGMA) Update</b>	5-10-2021	Discussion/Action Item	<b>Accomplished May 10, 2021:</b> The Committee received an update on the Sustainable Groundwater Management Act and took no action.

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1  
Page 4 of 4

# Water Conservation and Demand Management Committee Workplan

## Draft – June 21, 2021

Item No.	Workplan Item	Meeting Date	Discussion/Action Item	Accomplishment Date and Outcome
<b>Water Supply Master Plan</b> Strategy 1: Secure Existing Supplies Goal: 99,000 AF conservation by 2030				
1	Monitor progress in achieving water conservation goal: <ul style="list-style-type: none"> <li>• Amount of water conserved</li> <li>• Water conservation program success metrics (participation, lawn conversion, etc)</li> <li>• Water conservation outreach success metrics</li> <li>• Collaboration with retailers</li> <li>• Communicating about water waste</li> <li>• Engage and support private-sector stakeholders, local, state, and federal agencies that promote water conservation.</li> </ul>			
2	Recommend policies towards water conservation goal: <ul style="list-style-type: none"> <li>• Water Conservation Strategic Plan</li> <li>• Making Water Conservation a Way of Life</li> <li>• Review the current 15% call for water use reduction compared to 2019 water use</li> <li>• New programs</li> <li>• SCW funding</li> </ul>			

# Water Conservation and Demand Management Committee Workplan

## Draft – June 21, 2021

Item No.	Workplan Item	Meeting Date	Discussion/Action Item	Accomplishment Date and Outcome
<b>Water Supply Master Plan</b> Strategy 2: Increase Water Conservation and Stormwater Capture Goal: Increase water conservation to 109,000 AF/year and increase stormwater capture to 1,000 AF/year by 2040.				
3	Monitor progress in achieving the long-term water conservation and stormwater capture goal: <ul style="list-style-type: none"> <li>• Investments in no-regrets package/stormwater resource plan implementation</li> <li>• Ag Baseline study</li> <li>• Collaboration with UC Water on Flood Managed Aquifer Recharge (FloodMAR)</li> </ul>			
4	Recommend policies towards achieving long-term water conservation goal <ul style="list-style-type: none"> <li>• Collaboration on ordinances</li> </ul>			
<b>Water Supply Master Plan</b> Strategy 3: Optimize the Use of existing supplies and infrastructure				
5	South County Recharge			
6	Sustainable Groundwater Management Plan (SGMA) <ul style="list-style-type: none"> <li>• Updates on our 2021 Groundwater Management Plan</li> <li>• New Groundwater Sustainability Plan (GSP) for North San Benito Subbasin</li> </ul>			

Water Conservation and Demand Management Committee Workplan  
Draft – June 21, 2021

Item No.	Workplan Item	Meeting Date	Discussion/Action Item	Accomplishment Date and Outcome
<b>Future Demand Projections</b>				
7	Monitor progress and recommend policies <ul style="list-style-type: none"> <li>• Monitoring and Assessment Program</li> <li>• Urban Water Management Plan</li> <li>• CCAP water supply portion</li> </ul>			

DISCUSSION DRAFT

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# Handouts

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Doug Muirhead-email 6/18/2021,

Dear Water Conservation and Demand Management Committee, A comment for Agenda Item 4.2: Work Plan

Water Supply Master Plan Strategy 3:

Optimize the Use of existing supplies and infrastructure

6 Sustainable Groundwater Management Plan (SGMA)

In response to the April 21, 2021 Drought Executive Proclamation, the California Department of Water Resources (DWR), in coordination with the State Water Resources Control Board, is advancing the development of principles and strategies related to groundwater management and drinking water well impacts by hosting Listening Sessions on June 29-30. Email comments are also accepted.

The Committee might be interested in having Staff report on this activity. My comment (to [sgmps@water.ca.gov](mailto:sgmps@water.ca.gov)) is below (was copied to Groundwater Mgmt Unit). Thank you for your consideration.

Doug Muirhead, Morgan Hill

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I would like to submit two comments for your consideration of draft principles and strategies for drinking water wells.

- 1) For analyzing, group wells by depth to reflect impact due to increments of groundwater level drop
- 2) For communicating impact, illustrate actual distribution of water wells.

Comment 1:

Valley Water (nee Santa Clara Valley Water District) is currently evaluating how many wells may go dry under the very low groundwater storage projected under the worst case for 2022 [special Board meeting 6/9/2021]. I suggest an inventory of wells grouped by depth so that we can see for each incremental decline in groundwater level which wells remain dry and which are next to go dry.

Comment 2:

For areas similar to southern Santa Clara County, where groundwater is the only potable water supply, I suggest messaging which shows the totality of wells by location.

I have included an attachment that I call the "measles map" of actual well locations in south Santa Clara County.

[Source: 2015 South County Recycled Water Master Plan Update, May 2016; Appendix G - Screening Level Assessment of Indirect Potable Reuse in the Llagas Subbasin, September 2015; Figure 11]

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