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RMCP Committee Meeting Notice

Resource Management and Climate Protection Committee (RMCP)

Meeting Location:

155 Bovet Rd. - Ground Floor Conference Room San Mateo CA, 94402 **Date:** Wednesday, June 21, 2023 Time: 3:00 p.m.

HYBRID MEETING - IN-PERSON AND BY VIDEOCONFERENCE

This meeting of the Resource Management and Climate Protection Committee will be held in person and by teleconference pursuant to Government Code Section 54953(e). Members of the public will be able to participate in the meeting remotely via the Zoom platform or in person at the location above. For information regarding how to participate in the meeting, either in person or remotely, please refer to the instructions at the end of the agenda.

Join by Zoom: https://us02web.zoom.us/j/81592976513?pwd=cExkVkl6d3N4ZzIBTjViZIJTdzJIZz09 Meeting ID: 815 9297 6513 Password: 510953

Join by Phone: Call in Number: (669) 900-6833 Meeting ID: 815 9297 6513 Find your local number: <u>https://us02web.zoom.us/u/kbevDz6xDd</u>

Persons who wish to address the RMCP Committee on an item to be considered at this meeting, or on items not on this agenda, are asked to submit written comments to kspringer@smcgov.org. Spoken public comments will also be accepted during the meeting through Zoom. Please see instructions for written and spoken public comments at the end of this agenda.

AGENDA

- 1. Roll Call and Introductions, including welcoming members recently appointed by the C/CAG Board to the RMCP Committee.
- 2. Public Comments on items not on the agenda.
- 3. Approval of minutes of the May 17, 2023 RMCP Committee meeting.
(Kim Springer, Committee Staff)Action
- 4. Information only: BAWSCA Water Supply report. No presentation (provided by BAWSCA, Tom Francis)
- 5. Presentation on the Tuolumne River ecosystem, water rights, and a non-governmental organization's assessment of how to balance water supply with Bay-Delta ecosystem needs. (Peter Dreckmeier, Tuolumne River Trust) Information/Discussion
- 6. Presentation on Bay Area Water Supply and Conservation Agency Water Reliability Roundtable outcomes and final report. (Tom Francis, BAWSCA) Information/Discussion
- Presentation on West Bay Sanitary District water recycling project supplying Sharon Height Golf Course. (Sergio Ramirez, West Bay Sanitary District)

Information/Discussion

- 8. Committee Member Updates
- 9. Next Scheduled Meeting Date: July 19, 2023

PUBLIC NOTICING: All notices of C/CAG regular Board meetings, standing committee meetings, and special meetings will be posted at the San Mateo County Court Yard, 555 County Center, Redwood City, CA, and on C/CAG's website at: <u>http://www.ccag.ca.gov</u>.

PUBLIC RECORDS: Public records that relate to any item on the open session agenda for a regular Board meeting, standing committee meeting, or special meeting are available for public inspection. Those public records that are distributed less than 72 hours prior to a regular Board meeting are available for public inspection at the same time they are distributed to all members, or a majority of the members, of the Board. The Board has designated the City/County Association of Governments of San Mateo County (C/CAG), located at 555 County Center, 5th Floor, Redwood City, CA 94063, for the purpose of making public records available for inspection. Such public records are also available on C/CAG's website at: http://www.ccag.ca.gov. Please note that C/CAG's office is temporarily closed to the public; please contact Mima Crume at (650) 599-1406 to arrange for inspection of public records.

ADA REQUESTS: Persons with disabilities who require auxiliary aids or services to participate in this meeting should contact Mima Crume at (650) 599-1406 or

mcrume@smcgov.org by 10:00 a.m. prior to the meeting date.

PUBLIC PARTICIPATION DURING HYBRID MEETINGS: During hybrid meetings of the C/CAG Board, members of the public may address the Board as follows:

Written comments should be emailed in advance of the meeting. Please read the following instructions carefully:

- 1. Your written comment should be emailed to <u>kspringer@smcgov.org</u> with the Subject line "RMCP Meeting Comment".
- 2. Your email should include the specific agenda item on which you are commenting or note that your comment concerns an item that is not on the agenda.
- 3. Members of the public are limited to one comment per agenda item.
- 4. If your emailed comment is received at least 2 hours prior to the meeting, it will be provided to the RMCP Committee members, made publicly available on the C/CAG website along with the agenda. Emails received less than 2 hours before the meeting will be provided to the C/CAG Board members and included in the administrative record of the meeting as soon as practicable.

Spoken comments will be accepted during the meeting in person and through Zoom. Public comments will be taken first by speakers in person followed by via Zoom. Please read the following instructions carefully:

*In-person participation:

1. If you wish to speak to the Board, please fill out a speaker's slip located on the 2nd floor auditorium side table against the wall. If you have anything that you wish distributed to the Board and included in the official record, please hand it to the C/CAG Clerk who will distribute the information to the Board members and staff.

*Remote participation:

- 1. The C/CAG Board meeting may be accessed through Zoom at the online location indicated at the top of this agenda.
- You may download the Zoom client or connect to the meeting using an internet browser. If using your browser, make sure you are using a current, up-to-date browser: Chrome 30+, Firefox 27+, Microsoft Edge 12+, Safari 7+. Certain functionality may be disabled in older browsers including Internet Explorer.
- 3. You will be asked to enter an email address and name. We request that you identify yourself by your name as this will be visible online and will be used to notify you that it is your turn to speak.
- 4. When the C/CAG Clerk or Chair call for the item on which you wish to speak, click on "raise hand." The Clerk will activate and unmute speakers in turn. Speakers will be notified shortly before they are called on to speak. If calling in via phone, press *9 to raise your hand and when called upon press *6 to unmute.
- 5. When called, please limit your remarks to the time allotted.

If you have any questions about this agenda, please contact C/CAG staff: *Executive Director: Sean Charpentier <u>scharpentier@smcgov.org</u> <i>RMCP Committee Staff: Kim Springer <u>kspringer@smcgov.org</u>*

Item 3

C/CAG CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

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Draft Meeting Minutes

of the

Resource Management and Climate Protection Committee (RMCP) 155 Bovet Rd. - Ground Floor Conference Room San Mateo CA, 94402 Date: Wednesday, May 17, 2023 Time: 3:00 p.m.

Committee Members in Attendance:

Donna Colson – Burlingame (Chair) Tom Francis – BAWSCA (Vice Chair) Gina Papan – Millbrae Sue Beckmeyer - Pacifica Rick DeGolia - Atherton Jeff Smith – Sares Regis Group Christine Kohl-Zaugg – Sustainable San Mateo County Alex Fernandez – Filoli

Committee Members not in Attendance

Dave Pine – County of San Mateo Ortensia Lopez - El Concilio Bill Chiang - PG&E

Additional Attendees

Kim Springer – C/CAG Sean Charpentier – C/CAG Charles Schwab – Pacifica Public Drew – Public Juan Buitrago – CAISO Scott D'Ambrosio – Energy Toolbase Ari Gold Parker – E3 Consulting

Note: All presentations for this meeting have been posted on the C/CAG RMCP Committee website: https://ccag.ca.gov/committees/resource-management-and-climate-protection-committee/

Meeting was called to order at 3:07 P.M.

1. Roll Call and Introductions

Committee staff completed Roll Call and a quorum of six members was achieved. The quorum increased to eight (after the action item) upon the arrival of Rick Degolia and Alex Fernandez.

2. Public Comments on items not on the agenda

There were no public comments.

3. Approval of minutes of the February 15, 2023 and March 15, 2023 RMCP Committee meetings.

Member Papan motioned approval, seconded by Member Smith. A vote was taken, and the minutes passed unanimously with no abstentions. (6,0,0)

4. Update on Committee roster and recruitment.

Staff provided an update on the two vacant elected official seat on the RMCP Committee, that a recruitment letter has been sent out to the elected officials countywide and suggested that Committee members consider supporting recruiting effort. Committee members discussed the possibility of alternates or staff of supervisors as Committee members. However, it would require an update to the C/CAG's authorizing resolution.

5. Information only: BAWSCA Water Supply report. No presentation

Committee members briefly discussed the inclusion of this new report included in the packet, and to be included in future packets when BAWSCA is not presenting specifically on the water supply and drought conditions. Member Francis provided a brief overview of the report and other comments on the snowpack, weather, and drought.

6. Presentation on Net Energy Metering and the impact on cost and payback of NEM2 verses NEM3.

Vice President of Sales for Energy Toolbase, Scott D'Ambrosio, provided a presentation on the Energy Toolbase offerings and the tool itself, which allowed a comparison between the two Net Energy Metering (NEM) programs, now that NEM2 has retired and NEM3 has begun, in terms of a tariff for solar and, more and more, battery storage, behind the meter.

Committee members discussed various aspects of the presentation, including: whether residential installers are suggesting homeowners install energy storage under NEM3, availability of batteries, and the future of battery development and pricing.

7. Presentation on the role of the California Independent System Operator and challenges to the grid in the electrification transition.

Juan Buitrago, from CAISO provided a presentation on CAISO's role vision and strategy, relationships with other State agencies and potential challenges to the grid through the transition. CAISO is "nonprofit, private benefit corporation that maintains the constant and reliable flow of electricity for the health, safety and welfare of consumers." CAISO is one of 9 ISOs in the Western Region of the US, and one of 38 Balancing Authorities in the State of California. CAISO maintains a platform for the buying and selling of electricity. CAISO is guided by the long-term planning of the CEC and CPUC, in terms of reducing GHG emissions and meeting renewable portfolio targets.

The Committee discussed various topics, including: how hydroelectric plays into CAISO's goal for supply and storage, how CAISO interacts with other agencies and the process for vetting policies, redundancies for events such as earthquakes and severe weather, whether planning is sufficient for the grid transition, the response to fires and grid vulnerabilities, and a possible field trip to CAISO in Folsom to take a tour.

8. Presentation on California's electric grid reliability planning and Bay Area Air Quality Management District Zero NOx rules and electric grid infrastructure impacts.

Ari Gold-Parker, Associate Director at E3 Consulting, provided a presentation on some of the work E3 has done for the CPUC and the BAAQMD, and a perspective from his work with State agencies on how electrification is being addressed in terms of grid and resource planning. There are two different reliability areas that needs to be considered: bulk system outages such as rolling blackout stemming from the larger CA grid, and local distribution outages stemming from safety or distribution system damage. System planning focuses on preventing bulk system outages. Mr. Gold-Parker also shared that no system is perfectly reliable, but that they are engineered to a reliability standard. Bulk power systems are generally engineered to one failure in ten years, which the CA bulk system meets.

The Committee discussed the following topics during the presentation: the need for communicating the concepts presented to the public, concerns about the delay of interconnection and grid infrastructure upgrades, concerns of workforce and appliance supply capacity for electrification, concerns of elected officials, the direction of equity efforts, and needed investments to reach electrification goals.

9. Committee Member Updates

Member Francis mentioned a tour that will go to Silicon Valley Clean Water, the Google Campus, and then Valley Water, all focused on recycled water. Francis will provide info to staff to share with the Committee.

10. Next Scheduled Meeting Date: June 21, 2023

Meeting adjourned at 5:15 P.M.

Note: All presentations are posted on the C/CAG RMCP Website at: <u>https://ccag.ca.gov/committees/resource-management-and-climate-protection-committee/</u>

Date:	June 21, 2023
To:	Resource Management and Climate Protection Committee
From:	Kim Springer, Committee Staff
Subject:	Information only: BAWSCA Water Supply report. (For further information contact Kim Springer at <u>kspringer@smcgov.org</u>)

BACKGROUND/DISCUSSION

At the February 15, 2023 meeting of the Resource Management and Climate Protection Committee (RMCP), Committee Member Francis was asked to prepare a written water supply update for distribution to the Committee, for months when no formal presentation on water supply conditions is agendized.

The attached report is for information only. There will be no presentation on this item.

ATTACHMENTS

1. BAWSCA Water Supply Update written report – June 2023.

WATER SUPPLY UPDATE

Date:	June 21, 2023
To:	Resource Management and Climate Protection Committee
From:	Tom Francis, BAWSCA, RMCP Committee Member
Subject:	Information only: BAWSCA Water Supply report. (For further information contact Tom Francis of BAWSCA (<u>tfrancis@bawsca.org</u>)

BACKGROUND

At the February 15, 2023 meeting of the Resource Management and Climate Protection Committee (RMCP), Committee Member Francis was asked to prepare a written water supply update for distribution to the Committee, for months when no formal presentation on water supply conditions is agendized. Information presented in the memos produced would focus on conditions associated with the San Francisco Regional Water System (SF RWS), which serves as the water source for much of San Mateo County. Mr. Francis, and moreover BAWSCA, agreed to produce the update. Graphs included are produced by the San Francisco Public Utilities Commission (SFPUC) and are made available to BAWSCA.

DISCUSSION

The 2022-23 has been exceedingly robust from a rainfall and snowpack perspective, reaching near historic levels. The following graphs presented in this memo document the point that water supply conditions are excellent. Further, rainfall that has taken place throughout the State of California has proved to eliminate drought conditions in much of California.



Photo – Hetch Hetchy Reservoir – June 2023

SF RWS - Reservoir Storage

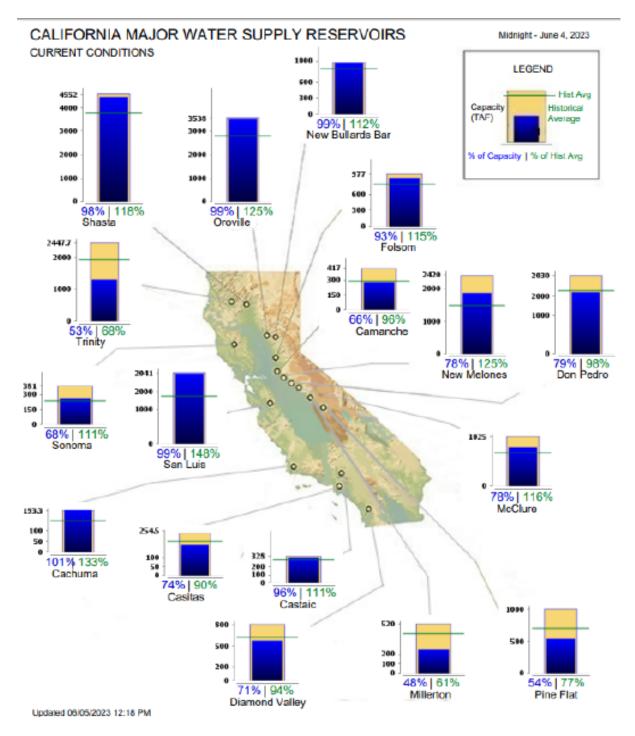
Storage upcountry has been reduced in anticipation of spring snowmelt. Local reservoir storage is ample. The overall system storage is robust at 84.8%

Reservoir	Current Storage ^{1,2,3} (AF)	Maximum Storage ⁴ (AF)	Available Capacity (AF)	Percent of Maximum Storage	Normal Percent of Maximum Storage ⁵
Tuolumne System					
Hetch Hetchy	300,200	360,360	60,160	83.3%	93.6%
Cherry	204,700	273,345	68,645	74.9%	-
Eleanor	24,920	27,100	2,180	92.0%	-
Water Bank	570,000	570,000	0	100.0%	95.6%
Total Tuolumne Storage	1,099,820	1,230,805	130,985	89.4%	-
Local System					
Calaveras	95,001	96,670	1,669	98.3%	-
San Antonio	53,096	53,266	170	99.7%	-
Crystal Springs	54,515	68,953	14,438	79.1%	-
San Andreas	15,386	18,572	3,186	82.8%	-
Pilarcitos	2,638	3,125	487	84.4%	-
Total Local Storage	220,636	240,586	19,950	91.7%	-
Total System Storage	1,320,456	1,471,391	150,935	89.7 %	84.8%
Total without water bank	750,456	901,391	150,935	83.3%	-

SFPUC estimates that the primary upcountry reservoir, Hetch Hetchy, will be at full storage by late July, as spring snowmelt continues to contribute significant flow into the reservoir.

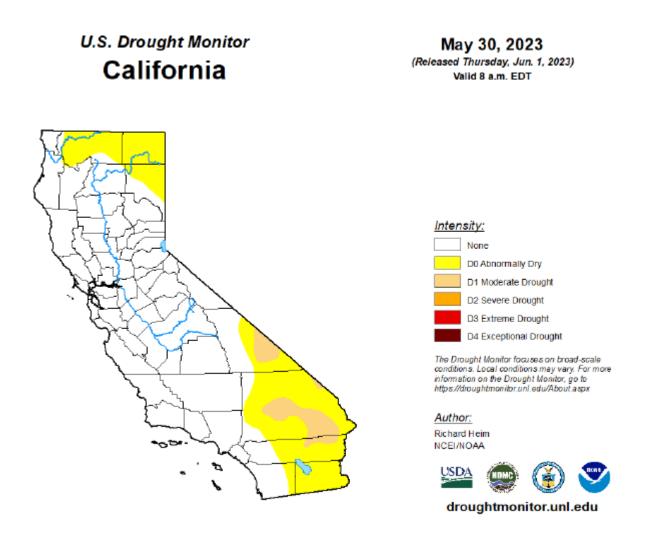
<u>State of California – Major Reservoir Storage</u>

Storage in California's major water supply reservoirs is robust, with the majority having benefited by this winter's exceptional rainfall. As a reminder, while these reservoirs do not serve San Mateo County, they do serve as a water source for much of the State of California. Some of these reservoirs are part of the State of California's "State Water Project", while others are part of the U.S. Bureau of Reclamations "Central Valley Project".



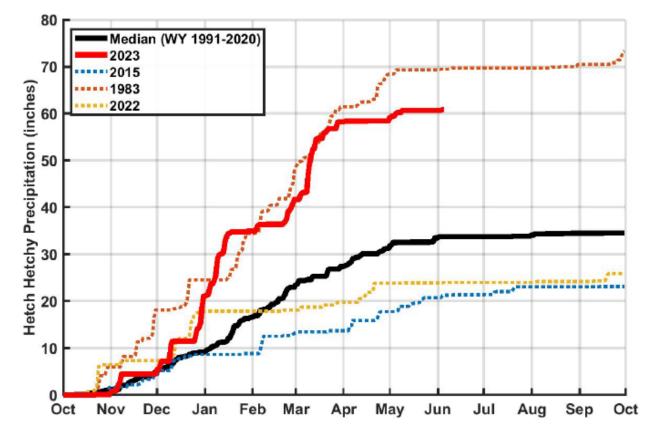
California Drought Conditions Monitor

As noted on the graphic below, much of the State of California is no longer shown as being in Drought. Prior to this winter's rainy season (e.g., in early fall of 2022), much of the State was shown as being in either severe or extreme drought. Note that all of the bay area, including San Mateo County, is shown as not experiencing drought conditions.



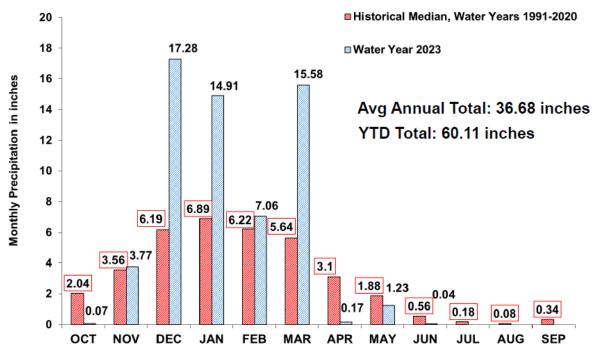
There remain portions of California that continue to be shown as experiencing drought conditions. Those factors are considered by the State as part of any decisions they choose to make relative to ending the current drought emergency.

Hetch Hetchy (Upcountry) Precipitation



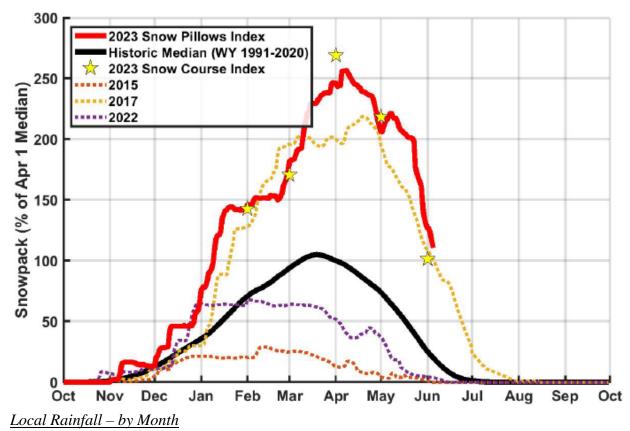
The precipitation to date is near that recorded for water year 1983, the highest observed.

On average, the upcountry receives 36.68 inches of precipitation. To date, as of the end of May, 60.11 inches has been recorded.



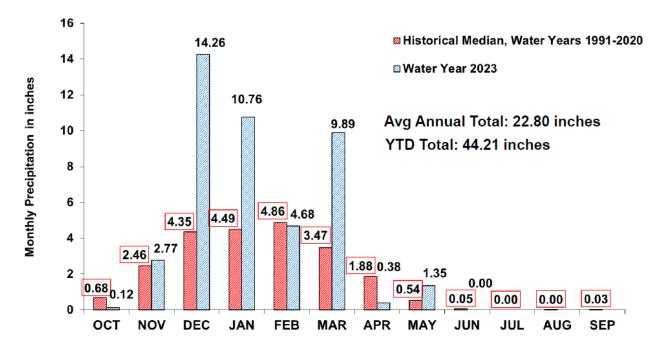
Upcountry Precipitation Totals by Month

Upcountry Snowpack



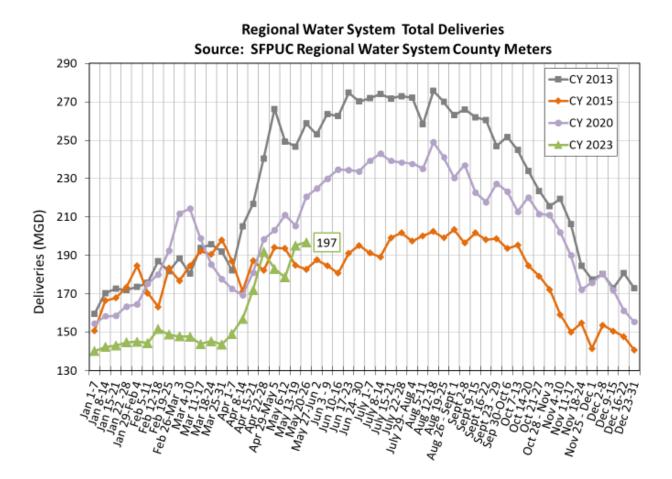
As shown on the graphic, snowmelt took place in May and will continue thru June

Local (Bay Area) rainfall has also been robust this winter. On average, the region receives 22.80 inches of rain. This year, as of the end of May, 44.21 inches has been recorded to date.



Water Demand – SF RWS

Through the end of March, frequent wet weather coupled with cool temperatures helped to moderate water use, and in particular outdoor water use. Records indicate that beginning in April and into May, water demand has increased, likely attributable to outdoor water. Demand, however, remains at levels last seen during the 2014-2017 drought. Water use this summer is likely to be heavily influenced by temperature. Hot summer days lead to more outdoor watering.



Date:	June 21, 2023
To:	Resource Management and Climate Protection Committee
From:	Peter Dreckmeier, Tuolumne River Trust
Subject:	Presentation on the Tuolumne River ecosystem, water rights, and a non- governmental organization's assessment of how to balance water supply with Bay-Delta ecosystem needs. (For further information contact Kim Springer at <u>kspringer@smcgov.org</u>)

RECOMMENDATION

Receive a presentation on the Tuolumne River ecosystem, water rights, and a non-governmental organization's assessment of how to balance water supply with Bay-Delta ecosystem needs.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

The Tuolumne River originates high on the eastern side of Yosemite National Park and flows westward for 62 miles and continues into Stanislaus National Forest. The river has two principal sources: the Dana Fork and the Lyell Fork. The two forks converge at the eastern end of Tuolumne Meadows, one of the largest subalpine meadows in the Sierra Nevada. The Tuolumne River meanders through Tuolumne Meadows and then through the Grand Canyon of the Tuolumne before it enters the eastern end of Hetch Hetchy Reservoir, with the O'Shaughnessy Dam.

The Tuolumne River Trust (TRT) is a nongovernmental organization that educates about, advocates for, and restores elements of the watershed. The website notes that the TRT is "working to reverse past damage by increasing the amount of water flowing down the river and into the San Francisco Bay-Delta."

According to the Tuolumne River Trust's website, the river irrigates over 200,00 acres of agricultural farmland and provides drinking water to over 2.7 million people in the SF Bay Area.

Peter Dreckmeier, Policy Director for the Tuolumne River Trust, will provide a presentation on the River ecosystem, water rights, and the NGO's assessment of how to balance providing reliable water supply and restoring the Bay-Delta ecosystem.

ATTACHMENTS

1. Link to Tuolumne River Trust website: <u>https://www.tuolumne.org/</u>

Date:	June 21, 2023
To:	Resource Management and Climate Protection Committee
From:	Tom Francis, BAWSCA, RMCP Committee Member
Subject:	Presentation on Bay Area Water Supply and Conservation Agency Water Reliability Roundtable outcomes and final report.
	(For further information contact Kim Springer at <u>kspringer@smcgov.org</u>)

RECOMMENDATION

Receive a Bay Area Water Supply and Conservation Agency (BAWSCA) presentation on BAWSCA Water Reliability Roundtable outcomes and final report.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

The Bay Area Water Supply and Conservation Agency (BAWSCA), which represents the 26 wholesale customers of the San Francisco Regional Water System, has been working with C/CAG staff and other stakeholders on issues relating to water conservation and supply.

BAWSCA and other stakeholders, including C/CAG staff and the RMCP Committee provided input in the development of a proposal for BAWSCA's Water Supply Reliability Roundtable (Roundtable) series. The eventual series consisted of four interactive stakeholder meetings between May 2022 and February 2023. BAWSCA procured a consultant to support BAWSCA staff and the series of meetings, which brought together different water professionals spanning across the BAWSCA service area including its member agencies, non-governmental organizations (NGOs), Bay Area counties, wastewater agencies, and other leaders and experts in water related fields.

Numerous water supply and conservation projects and strategies were shared and presented on during the Roundtable series. These projects have the potential to create local and regional water supply benefits, and (potentially) a significant reduction in traditional potable water use. The three primary goals of the Roundtable Series were to: (1) understand how existing and planned projects in the region fit within a One Water concept, (2) identify the potential for collaborative opportunities, and (3) offer ideas for how entities could potentially support, help finance, permit, approve, and expand projects or programs that have the potential to offer multiple benefits.

Tom Francis, Water Resources Manager at BAWSCA and Vice Chair of the RMCP Committee will provide an overview of the Water Reliability Roundtable effort and provide thoughts on next steps. A link to the final report called the One Water Reliability Roundtable Series Report is provided as an attachment to this staff report.

ATTACHMENTS

1. Link to One Water Reliability Roundtable Series Report: <u>https://bawsca.org/uploads/userfiles/files/BAWSCA_Roundtable%20Report_Mar%2020</u> 23.pdf

Date:	June 21, 2023
To:	Resource Management and Climate Protection Committee
From:	Sergio Ramirez, Waste Bay Sanitary District
Subject:	Presentation on West Bay Sanitary District water recycling project supplying Sharon Height Golf Course.
	(For further information contact Kim Springer kspringer@smcgov.org)

RECOMMENDATION

Receive a presentation on West Bay Sanitary District water recycling project supplying Sharon Height Golf Course.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

West Bay Sanitary District (District) provides wastewater services to the City of Menlo Park, Atherton, Portola Valley, and areas of East Palo Alto, Woodside, and unincorporated San Mateo and Santa Clara counties. The District's system carries raw wastewater to Silicon Valley Clean Water (SVCW), in Redwood City, for treatment and discharge to the San Francisco Bay.

On February 19, 2020, then District Manager, Phil Scott presented to the RMCP Committee on a new recycled water facility that was nearing completion; a three-year project called the "Recycled Water Project – Sharon Heights". The project had two phases. The first involved the construction of a satellite treatment facility designed to treat a maximum daily flow of 0.5 Million Gallons a Day (MGD). It also included a wastewater pump station to divert flow to the treatment facility and to discharge remaining water and solids to an existing sewer connection. The new system initially served the Sharon Heights Golf Course. The second phase was intended to provide recycled water distribution lines to Stanford Linear Accelerator Center.

Combined, the Project was designed to deliver an estimated 80 MGD of recycled water, including 52 MGD to Sharon Heights through the year and, in the second phase, approximately 28 MGD to SLAC for irrigation and other uses. The second phase of the project has not been completed. Still, the project has been a success and stands as one of the few recycled water projects in San Mateo County, and maybe the only completed project to serve a large water using site, specifically, in San Mateo County.

Sergio Ramirez, District Manager of the West Bay Sanitary District, will provide an update on the project and any future plans for expansion. More information on the Project can be found at the link attached to this staff report.

ATTACHMENTS

https://westbaysanitary.org/services/recycled-water/