

Basin Technical Advisory Committee

SPECIAL NOTICE REGARDING CORONAVIRUS DISEASE 2019 (COVID-19) AND PARTICIPATION IN PUBLIC MEETINGS

On March 4, 2020, Governor Newsom declared a State of Emergency resulting from the threat of COVID-19. On September 16, 2021, Governor Newsom signed Assembly Bill No. 361 into law. Assembly Bill No. 361 amends Government Code section 54953(e) by adding provisions for remote teleconferencing participation in meetings by members of a legislative body, without the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions. The San Bernardino Valley Municipal Water District adopted a resolution determining, by majority vote, that, as a result of the declared State of Emergency, a meeting in person would present imminent risks to the health or safety of attendees. Accordingly, it has been determined that all Board and Workshop meetings of the San Bernardino Valley Municipal Water District will be held pursuant to the Brown Act and will be conducted via teleconference. There will be no public access to the meeting venue.

BASIN TECHNICAL ADVISORY COMMITTEE MONDAY, FEBRUARY 7, 2022 – 1:30 P.M.

PUBLIC PARTICIPATION

Public participation is welcome and encouraged. You may participate in the February 7, 2022, meeting of the Basin Technical Advisory Committee online and by telephone as follows:

**Dial-in Info: 877 853 5247 US Toll-free
Meeting ID: 864 6271 4600**

<https://sbvmwd.zoom.us/j/86462714600>

Passcode: 3802020

If you are unable to participate online or by telephone, you may also submit your comments and questions in writing for the Committee's consideration by sending them to comments@sbvmwd.com with the subject line "Public Comment Item #" (insert the agenda item number relevant to your comment) or "Public Comment Non-Agenda Item". Submit your written comments by 6:00 p.m. on Sunday, February 6, 2022. All public comments will be provided to the Chairman and may be read into the record or compiled as part of the record.

IMPORTANT PRIVACY NOTE: Participation in the meeting via the Zoom app is strongly encouraged. Please keep in mind: (1) This is a public meeting; as such, the virtual meeting information is published on the World Wide Web and available to everyone; 2) Should you participate remotely via telephone, your telephone number will be your "identifier" during the meeting and available to all meeting participants. Participation in the meeting via the Zoom app is strongly encouraged; there is no way to protect your privacy if you elect to call in to the meeting. The Zoom app is free to download.

Bear Valley Mutual
Water Company

City of Colton

East Valley Water District

City of Loma Linda

City of Redlands

City of Rialto

City of Riverside

San Bernardino County
Flood Control District

San Bernardino Municipal
Water Department

San Bernardino Valley
Municipal Water District

San Bernardino Valley
Water Conservation District

West Valley Water District

Western Municipal
Water District

Yucaipa Valley
Water District

Basin Technical Advisory Committee

Meeting No. 116

Bear Valley Mutual
Water Company

City of Colton

East Valley Water District

City of Loma Linda

City of Redlands

City of Rialto

City of Riverside

San Bernardino County
Flood Control District

San Bernardino Municipal
Water Department

San Bernardino Valley
Municipal Water District

San Bernardino Valley
Water Conservation District

West Valley Water District

Western Municipal
Water District

Yucaipa Valley
Water District

Dial-in Info: 877 853 5247 US Toll-free
Meeting ID: 864 6271 4600

<https://sbvmwd.zoom.us/j/86462714600>

Passcode: 3802020

AGENDA

February 7, 2022, 1:30 p.m.

- 1) Call to Order/Pledge of Allegiance/Introductions
- 2) Approval of Minutes
 - A. December 6, 2021, Meeting
- 3) New Business
 - A. Santa Ana River Weather Modification Pilot Program Status Update
 - B. OWOW Proposition 1 Round 2 Call for Projects Presentation
 - C. Supplemental Water Supply Contingency Workgroup Update

Basin Technical Advisory Committee

Bear Valley Mutual
Water Company

City of Colton

East Valley Water District

City of Loma Linda

City of Redlands

City of Rialto

City of Riverside

San Bernardino County
Flood Control District

San Bernardino Municipal
Water Department

San Bernardino Valley
Municipal Water District

San Bernardino Valley
Water Conservation District

West Valley Water District

Western Municipal
Water District

Yucaipa Valley
Water District

4) Old Business and Updates

A. Report from the Engineering Subcommittee

B. Report from the Water Conservation Subcommittee

C. Report from the Project Review Subcommittee

5) Other Business

A. Confirm Next Meeting Date of April 4, 2022, at 1:30 p.m.

6) Adjourn

**MINUTES
OF
THE
BASIN TECHNICAL ADVISORY COMMITTEE**

MEETING NO. 115

December 6, 2021

Guests attended:

Steve Miller, San Bernardino Municipal Water Department
Warren Huang, San Bernardino Municipal Water District
T. Milford Harrison, San Bernardino Valley Municipal Water District
Gil Botello, San Bernardino Valley Municipal Water District
June, Hayes San Bernardino Valley Municipal Water District
Heather Dyer, San Bernardino Valley Municipal Water District
Bob Tincher, San Bernardino Valley Municipal Water District
Shavonne Turner, San Bernardino Valley Municipal Water District
Adekunle Ojo, San Bernardino Valley Municipal Water District
Cindy Saks San Bernardino Valley Municipal Water District
Wen Huang, San Bernardino Valley Municipal Water District
Melissa, Zoba, San Bernardino Valley Municipal Water District
Jose Macedo, San Bernardino Valley Municipal Water District
Daniel Cozad, San Bernardino Valley Water Conservation District
Robert Stewart, San Bernardino Valley Water Conservation District
Madeline Blua, Yucaipa Valley Water District
Jennifer Ares, Yucaipa Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Cris Fealy, Fontana Water Company
Brian Dickinson, City of Colton
Van Jew, West Valley Water District
Linda Jadeski, West Valley Water District
Ryan Shaw, Western Municipal Water District
Mallory Gandara, Western Municipal Water District
Don Lee, Tetra Tech

Kevin Watson, City of Redlands
Greg Herzog, Riverside Public Utilities
Leo Fernando, Riverside Public Utilities
Rocky Welborn, East Valley Water District
Jeff Noelte, East Valley Water District
Ian Achimore, SAWPA
Michelle Miro, Rand Corporation
Chris Coppinger
Janett Robledo

Agenda Item 1. Call to Order/Pledge of Allegiance/Introductions.

The meeting of the Basin Technical Advisory Committee was called to order by Ryan Shaw in place of Tom Crowley at 1:30 p.m. via Zoom.

Agenda Item 2. Approval of Minutes.

A. Approval of the Minutes of the August 16, 2021, meeting.

Bob Tincher moved to approve the minutes of the August 16, 2021, meeting. Jennifer Ares seconded. The summary notes were accepted with no comments.

Agenda Item 3. New Business

A. Consider the 2022 BTAC Regional Water Management Plan

Adekunle Ojo, Water Resources Manager acknowledged the Valley District staff contributing to this plan. Mr.Ojo provided the purpose and a historical overview of the plan and highlighted the main purpose of the Annual Regional Water Management Plan is to assist with the risk of high ground water. Years ago, this was a high concern for this region. Mr.Ojo then provided high water concerns and subsidence , he then continued to provide additional reasons for the purpose of the Regional Water Management Plan to have a document that shows in one simple place compliance such as the Western judgement and several agreements detailed in the plan. Mr.Ojo then provided other items of concern, the liquefaction potential (high groundwater), subsidence (low groundwater), leakage potential, contamination plumes, then addressed how to monitor these concerns. General questions to be addressed on a yearly basis were introduced and answered.

Mr.Ojo then shared the current conditions of the of San Bernardino Basin, Yucaipa Basin, and the Rialto-Colton Basin. Mr.Ojo highlighted the space available for recharge for each of the Basins. He then provided a brief summary of all the appendices of the Regional Water Management Plan that stemmed from 2009 until

now. The plan also includes the Water Conservation Act of 2009 (compliance requirement). The plan is prepared each month with a progress report that shows and tracks the current plan on the website, labeled the BTAC monthly report.

Mr.Ojo then highlighted the three reasons this plan was prepared was to manage water levels, manage the Santa Ana River Diversion, Manage containment Plumes. A timeline was presented on the current schedule to consider the approval of the plan.

Mr.Bob Tincher moved to approve and move this item forward with recommendation to the Valley District and Western Boards with consideration for approval., Ryan Shaw second. The motion was approved.

B. Consider the Proposed Estimation of Maximum Demand for the Valley District Service Area by RAND Corporation

Bob Tincher, Deputy General Manager/Chief Water Resources Officer presented this item highlighted this item had been previously presented to the Valley District Board with feedback received and wanted to present and receive feedback from the BTAC. Mr.Tincher commenced his presentation by addressing the importance of demand estimation, Pacific institute put this report out that talks about the importance of demand estimation and used a few cities as an example using these estimates. The one thing the report does not address but the Board and Region have to address is the more money spent on water supplies, the less uncertainties in terms of drought, climate change and uncertainties. Cost could be dropped, but that brings uncertainties. A policy question, and how much insurance do we need is a question the boards continuously address. The bottom line is we have to do a good job in this area and cannot be wrong and want to come up with more supply. As a result, water agencies tend to guess high rather than low to not run out. Other highlights made were the need for continuous updates recommended to demand estimation process.

Mr.Tincher then introduced Michelle Miro, a Water Resource Engineer Researcher for the Rand Corporation who provided current updates to the regional, urban water management plan. Ms. Miro provided an overview of a stress test of 1800 different future scenarios to stress plan. The scenarios a plausible range of uncertainties that underlie or could change the assumptions of the urban water management plan. The annual available groundwater storage under all of those scenarios was tested as well.

Ms. Miro, opined this modeling system and those 1800 plus scenarios used to understand where there may be vulnerabilities in the system into the future. As part of the 1800 scenarios, it was found by Rand in the majority of the future scenarios, Valley District has sufficient supply to meet demands.

Results highlighted also showed new supply projects may lead to surplus water supply when groundwater basins are full. This was found consistently across San Bernardino, Rialto, and Colton basins.

Ms. Miro then moved on to highlighted other results from the study. The reliability factor, as part of the 2015 urban water management plan, Valley District used a 10% reliability factor. RAND recommends an adaptive reliability factor starting at 15% to cover uncertainty in supply and demand.

Mr. Tincher continued the update, by stating Ms. Miro provided updates of what RAND had previously completed and highlighted they produced a model that staff is able to use, as needed. It was also highlighted; the current analysis being done as a region to improve our demand forecasts in our urban water management plans. Data shows, as we continue to forecast the demand, we continue to improve our estimates.

Ms. Miro then briefed the TAC on proposed enhancement to demand estimation, calculating, and a proposed evaluation of maximum demand was presented.

Ms. Dyer, CEO/GM of San Bernardino Valley Municipal Water District supported the current presentation and opined the potential value of different agencies about potential growth, expectations and provided support for the analysis and justifying long-term investments with departments who are not informed of the long-term water planning.

The presentation was received and filed, no formal action needed.

C. Status Update Regarding DWR Well Drilling Standards

Chirs Coppinger, a hydrogeologist with Geoscience support services provided a Well Standards update. Mr. Coppinger then covered the California Wells Standards, Wilson 7481 that was originally published in 1981 covering production wells and monitoring wells, there was a supplement in 1990 and then in 99 geothermal. The update was organized into two phases, the Issue Areas and the Well types. The review draft has not been reviewed by legal, engineering publications or the executive, these are conceptual changes in these standards, and not set in stone, but wanted to bring forward those significant changes.

Those changes include, removal of ambiguous language, updated to reflect current best practices. One of the major changes, a much clearer standard on how variances would be requested. The new standard is going to have more detailed requirements for setbacks from production wells to various potentially contaminating activities and more detail on control zones that will be required and significantly more detail on what kind of seals will be required in the construction of wealth. A more formal process, than what's currently in place. Additionally, introducing a whole new section to the standards on site planning and they're going to be requiring a math to be produced as part of the permitting process, so these wells, which includes more detail as to what is around the area where the well will be going in.

An update to the annular seal Intervals was covered addressing the general requirements. Mr. Coppinger highlighted to the BTAC, this is something that will change the way that we design and permit wells in southern California.

Mr.Coppinger solicited feedback from the BTAC and addressed questions presented.

D. Status Update on State Water Project and Water Supply Contingency Workgroup

Bob Tincher, Deputy General Manager/Chief Water Resources Officer commenced his update by notifying the BTAC of the initial allocation for the state water project was set at zero based on a low levels of storage, we have in Lake Oroville and St Louis Reservoir so at this point at least, the deliveries are limited to health and safety so that's primarily to areas that are dependent on the State water project, they have no backup supply.

Mr.Tincher briefed in our region, we have the ground water supply that we shift to in these dry years, so we have that benefit and asset. Valley District is working with the retail water agencies to proportion the low amount SWP supply.

Agenda Item 4. Old Business

A. Report from the Engineering Subcommittee

No meeting hosted, no new updates.

B. Report from the Water Conservation Subcommittee

Janett Robledo provided this update, she noted subcommittee did it not meet in November and last met in October. Highlights of this meetings included a presentation from the he California Data Collaborative, who shared their platform that can assist agencies reporting to the State water risk control board as well as the Department of water resources. The subcommittee also received the presentation on Western landscape style guide. Another item discussed was how agencies shared what stage of water of the contingency plan they're currently enforcing and then how they're planning to respond.

C. Report from the Project Review Subcommittee

Greg Herzog provided an update to the City of Rialto "City 3A" Groundwater Treatment System Project. Mr. Herzog asked the BTAC to add this project to the list Review City of Rialto "City 3A" Groundwater Treatment System Project.

Van Jew moved a motion to approve Mr.Herzog's recommendation, Adekunle Ojo second. The motion moved forward.

Agenda Item 5. Other Business

A. Next Meeting Date is scheduled for February 7, 2022, at 1:30 p.m.

Agenda Item 7. Adjourn.

There being no further business, Chairman Crowley adjourned the meeting at 3:02 p.m.

Respectfully submitted,

Jose Macedo
Clerk of the Board