



**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.

**BOARD OF DIRECTORS WORKSHOP - ENGINEERING
TUESDAY, OCTOBER 11, 2022 – 2:00 P.M.**

PUBLIC PARTICIPATION

Public participation is welcome and encouraged. You may participate in the October 11, 2022, meeting of the San Bernardino Valley Municipal Water District online and by telephone as follows:

Dial-in Info: (877) 853 5247 US Toll-free

Meeting ID: 753 841 573

PASSCODE: 3802020

<https://sbvmwd.zoom.us/j/753841573>

If you are unable to participate online or by telephone, you may also submit your comments and questions in writing for the District'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 Monday, October 10, 2022. All public comments will be provided to the Chair 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. Online participants MUST log in with a Zoom account. The Zoom app is a free download. 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; there is no way to protect your privacy if you elect to call in to the meeting.



SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
380 E. Vanderbilt Way, San Bernardino, CA 92408

BOARD OF DIRECTORS WORKSHOP - ENGINEERING

AGENDA

2:00 PM Tuesday, October 11, 2022

CALL TO ORDER

Chairperson: Director Harrison

Vice-Chair: Director Hayes

1) INTRODUCTIONS

2) PUBLIC COMMENT

Members of the public may address the Board regarding any item within the subject matter jurisdiction of the Board; however, no action may be taken on off-agenda items except as authorized by law. Each speaker is limited to a maximum of three (3) minutes.

3) PRESENTATIONS

3.1 Presentation on the Installation of Tesla Megapack at 9th Street Well Complex - Baseline Feeder System (Page 3)

[Staff Memo - Presentation on the Installation of Tesla Megapack at 9th Street Well Complex - Baseline Feeder System](#)

4) DISCUSSION AND POSSIBLE ACTION ITEMS

4.1 Progress Update on Climate Adaptation and Resilience Plan (CARP) (Page 6)

[Staff Memo - Progress Update on Climate Adaptation and Resilience Plan \(CARP\)](#)

5) FUTURE BUSINESS

6) ADJOURNMENT

PLEASE NOTE:

Materials related to an item on this Agenda submitted to the Board after distribution of the agenda packet are available for public inspection in the District's office located at 380 E. Vanderbilt Way, San Bernardino, during normal business hours. Also, such documents are available on the District's website at www.sbvmd.com subject to staff's ability to post the documents before the meeting. The District recognizes its obligation to provide equal access to those individuals with disabilities. Please contact Melissa Zoba at (909) 387-9228 two working days prior to the meeting with any special requests for reasonable accommodation.



DATE: October 11, 2022

TO: Board of Directors' Workshop – Engineering

FROM: Wen Huang, Chief Engineer/Deputy General Manager
Aaron Jones, Associate Engineer

SUBJECT: Presentation on the Installation of Tesla Megapack at 9th Street Well Complex – Baseline Feeder System

Staff Recommendation

Informational item. Receive and file.

Summary

Following the Board of Directors' approval of the Self-Generation Incentive Program (SGIP) agreements with Tesla at the meeting on March 16, 2021, Staff has been working with Tesla and their contractors to install the Megapack batteries at the 9th Street Well Complex. Based on the evaluation conducted by Tesla, it is estimated that \$78,000 per year will be saved on electricity costs from the installation of Tesla Megapack batteries at this site. The Project has since been substantially completed. At the workshop, Staff will present an overview of the SGIP and provide an overview on the construction of the Project.

Background

In 1990, Valley District, in collaboration with its three (3) retail agencies, constructed water facilities known as the "Baseline Feeder" consisting of two wells, 9th Street Well and Perris Street Well, a pipeline, and other associated facilities to convey water from the central part of the San Bernardino Basin to users on the west side of the District's service area. The customers of the Baseline Feeder include the City of Rialto, West Valley Water District (WVWD), and Riverside Highland Water Company, each of which have a contract for a certain delivery of water from the Baseline Feeder system.

From 2010-2012, Valley District took the lead to construct the new 9th Street Well Complex, which generally consists of two (2) new wells to replace the lost production from the original wells, a stilling reservoir, a booster station, and other appurtenances for a complete system. The system has been operated by the contract operator, WVWD, and has been functioning as designed since 2012. The capital cost of the 9th Street Well Complex along with the ongoing operation and maintenance cost is being paid by the Baseline Feeder Stakeholders in accordance with the New Baseline Feeder Agreement.

In late 2020, the California Public Utilities Commission created a category in their SGIP called Equity Resiliency (ER) that incentivizes batteries for a specified subset of customers that are 1) in a low-income or disadvantaged community, 2) are at risk of, or have experienced two or more public safety power shutoffs (PSPS) events, and 3) are considered 'critical'. The 9th Street Well Complex met those criteria.

Through the SGIP, there was no purchase cost for the batteries themselves, nor was there any installation fees. Given Valley District's leadership role on the Baseline Feeder System, Staff worked with Tesla to evaluate their Megapack battery system at the 9th Street Well Complex on behalf of the Baseline Feeder Stakeholders. Based on the evaluation, it was determined that the system will save money on electricity by way of peak shaving and load shifting. More specifically, the Megapacks at the facility will shift energy consumption from high-cost on-peak periods to lower cost off-peak periods and will also reduce the peak draw from the grid to reduce demand charges. In addition, the batteries will provide short-term energy backup.

The incentive program is set up so that Tesla will receive the SGIP ER rebate payments over 5-years, while the District, on behalf of the Baseline Feeder Stakeholders, will receive ownership of the Megapack system upon receiving a Permit to Operate (PTO) from Southern California Edison (SCE). In addition, Tesla will provide a turnkey installation, operate and maintain the system for 10-years, and provide a 15-year warranty for the batteries.

Overall, Tesla is providing an energy storage system capable of storing 3,986.4 kWh of energy with a battery output rating of 929.5 kW that will provide the Baseline Feeder Stakeholders with emergency backup, peak shaving, and load shifting that is expected to result in reduced energy expenses of more than \$78,000 per year.

On March 16, 2021, at the request and on behalf of the Baseline Feeder Stakeholders, the Board of Directors approved related SGIP agreements with Tesla to initiate the installation of the Megapack System. Following an approximately 18-month planning, permitting, design and

construction process, the Project is now substantially completed. The system has been successfully tested for functionality, and received Permission to Operate (PTO) from SCE on October 5th and will be energized the week of October 10th to begin operation. Staff will present an overview of the SGIP program and will recap the Project construction process at the workshop.

District Strategic Plan Application

This Project demonstrates the District's priorities to deliver solutions that are resilient, restorative, science based, cost effective and integrated.

Fiscal Impact

The District has incurred no cost for installation of the Megapacks. The District will receive ownership of the equipment upon receiving the PTO from SCE. Any future operation and maintenance cost, if any, will be shared by the Baseline Feeder Stakeholders in accordance with the Baseline Feeder Agreement.



DATE: October 11, 2022
TO: Board of Directors Workshop – Engineering
FROM: Adekunle Ojo, Manager of Water Resources
SUBJECT: Progress Update on Climate Adaptation and Resilience Plan (CARP)

Staff Recommendation

Receive and File the Progress Update.

Summary

At the October 11 workshop, staff will update the Board on the feedback received during the recently completed stakeholder engagement process, which included five (5) Board interviews, several staff/departmental sessions, four (4) small group discussions, and two (2) community workshops. This update will serve as a bridge between the second stage and third stage of the project that will formally commence tentatively at the November 10, 2022, Policy Workshop.

Background

On September 21, 2021, the Valley District Board of Directors approved a contract with Rincon Consultants, Inc. for the development of a Climate Adaptation and Resilience Plan; RAND Corporation (climate modeling) and BluePoint Planning (climate planning and strategic communication and engagement) are part of the Rincon’s team. The project is currently within the transitional phase between the second and third stages as depicted below.



The table below shows the status of core project elements:

Core Project Elements	Stage	Status
Literature Review & Plan Integration	1	Complete
Climate Vulnerability Assessment	1	Complete
Greenhouse Gas Inventory & Forecast	1	Technical Memorandum pending
Communications Plan	1	Complete; periodic update
Stakeholder Interviews	1	Complete
Website Launch – www.resilientsbvmwd.com	1	Complete; periodic update
Small Group Discussions	2	Complete
Community Workshops	2	Complete
Draft Goals and Vision	2	Complete
Scenarios Development	2	Ongoing for Board Workshop #1
Draft Adaptation & Mitigation Strategies	2	Ongoing for Board Workshop #1
Board Workshop #1	2	Upcoming
Refine Adaptation and Mitigation Solutions	3	Late 2022/Early 2023
Draft the Plan	3	Late 2022/Early 2023
Board Workshop #2	3	Early 2023
Public Hearings	3	Early 2023

The consulting team is currently working on scenarios development, developing draft adaptation and mitigation strategies, and completing the analysis for the upcoming Board Workshop. The purpose of the first Board Workshop is to receive guidance from the entire Board on vision, goals, and strategies.

District Strategic Plan Application

One strategy within the Strategic Plan is to achieve climate resilience through prioritized adaptation and mitigation. The CARP development aligns with Valley District's mission, vision, and priorities to work collaboratively to be resilient and provide a reliable and sustainable water supply. It also aligns with the strategies to build trust by being a collaborative and resourceful partner.

Fiscal Impact

There is no fiscal impact, as this is an informational item.