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Call to Order

Board of Directors Workshop - Engineering
Tuesday, October 11, 2022

Chairperson – Director Harrison
Vice-Chair – Director Hayes

Introductions

Following the introduction of Directors and District staff, participants may use this time to state their name and agency/affiliation in order to be included in the formal record of attendees.

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.

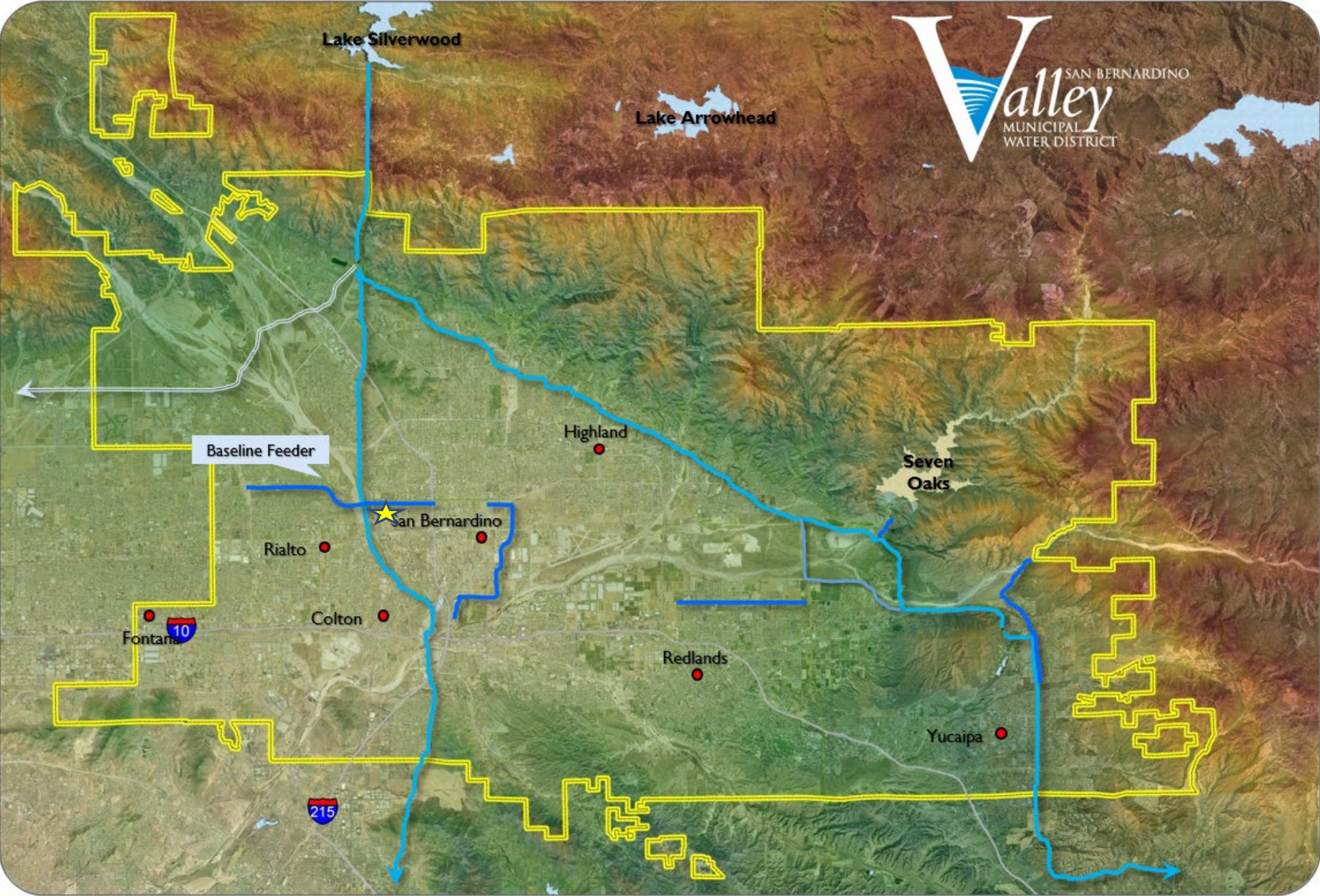
Presentations 3.1 (Pg. 3)

Aaron Jones, EIT – Associate Engineer

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

Staff Recommendation

Informational item. Receive and file.



SGIP Equity Resiliency

The California Public Utilities Commission (CPUC) created a category in their Self-Generation Incentive Program (SGIP) called Equity Resiliency (ER) that incentivizes batteries for a specified subset of customers that are:

- In a low-income or disadvantaged community,
- Are at risk of, or have experienced two or more public safety power shutoffs (PSPS) events, and
- 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.

Megapack Offer

The incentive program is set up as follows:

- Tesla will receive the SGIP ER rebate payments over 5-years
- SBVMWD, on behalf of the Baseline Feeder Stakeholders, will receive ownership of the Megapack system upon installation for \$0.
- Tesla will provide a turnkey installation, operate and maintain the system for 10-years, and provide a 15-year warranty for the batteries.

Benefits to BLF Stakeholders

- Annual electricity bills reduced by more than \$78,000
- Additional emergency backup power during outages
- SBVMWD owns hardware upon completion
- Tesla operates and maintains the system



EMERGENCY BACKUP

Powers a facility when the grid goes down



PEAK SHAVING


Discharge at times of peak demand to reduce expensive demand charges



LOAD SHIFTING

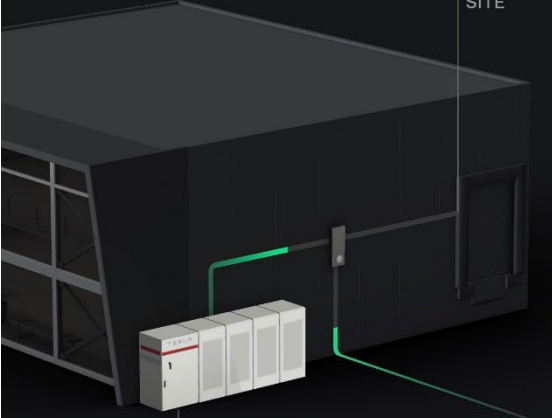
Shift energy consumption from one point in time to another

5:26 5G E

SGIP ER - Ojai Valley Sanitary District-EN2352789 

Discharging

342.9 kW
SITE







341.9 kW · 61%
POWERPACK

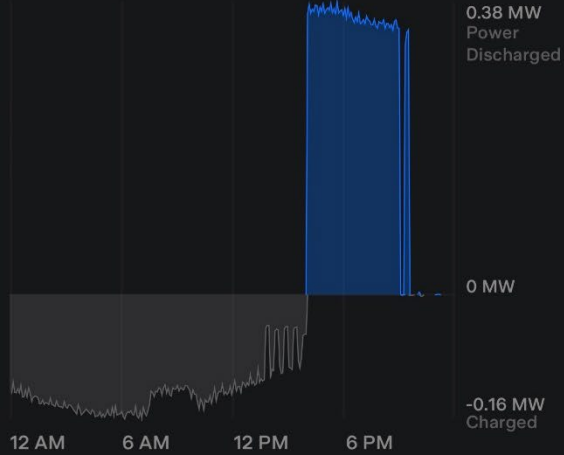
1.0 kW
GRID

- Energy
- Impact
9% Self-Powered Today
- Settings
- Support

5:27 5G E

Yesterday  Day

Powerpack Discharge
1.87 MWh   



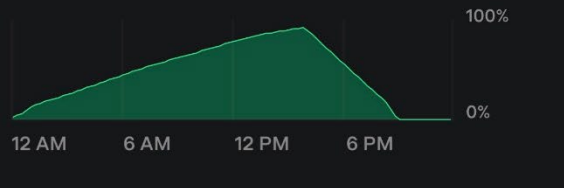
0.38 MW
Power
Discharged

0 MW

-0.16 MW
Charged

12 AM 6 AM 12 PM 6 PM

Powerpack Charge Level



100%

0%

12 AM 6 AM 12 PM 6 PM

1.87 MWh
Energy Discharged

23%
Self-Powered

Download My Data

Construction Photos



Construction Photos



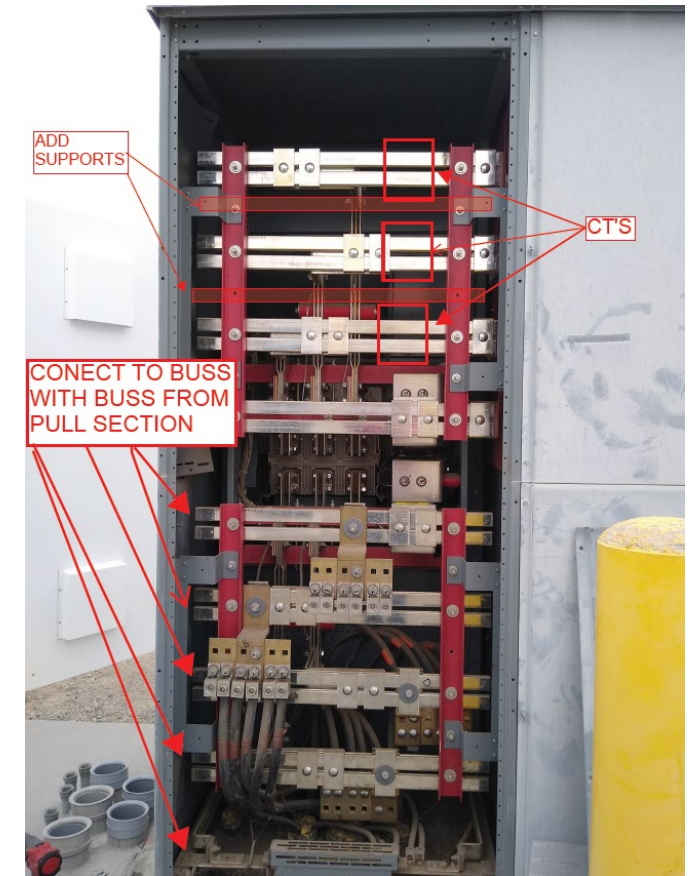
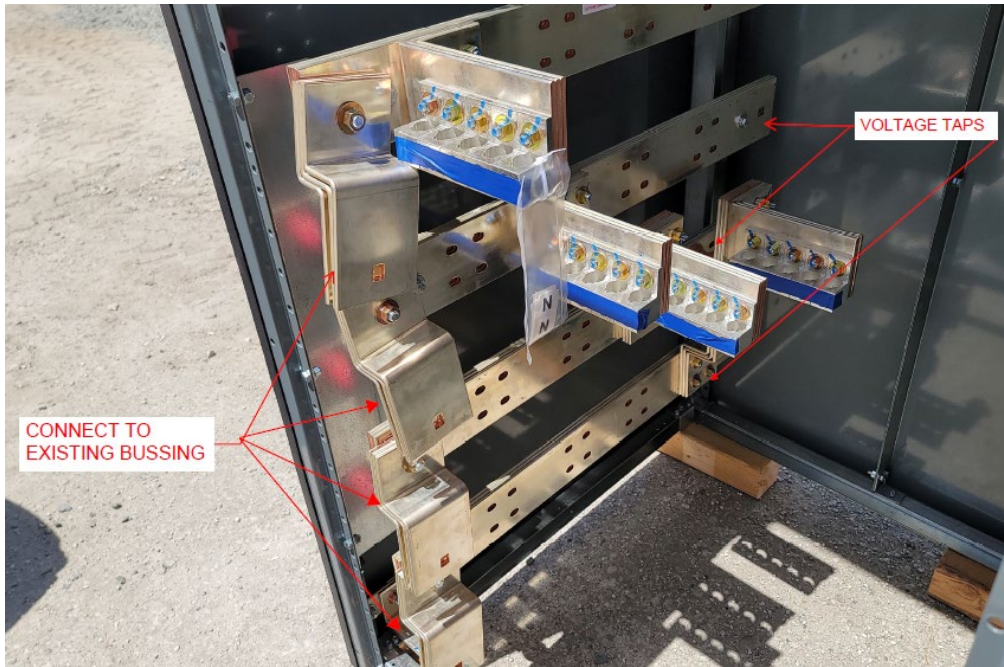
Construction Photos



Construction Photos



Construction Photos



Current Status

- Received Permission to Operate (PTO) from SCE on 10/5. System will be energized for on-grid operation later this week.
- During off-grid relay testing, when operating from Tesla batteries only (i.e. no grid power), the in-rush current was too high to begin start-up of south well and tripped system.
- VFD for the South Well is scheduled to be installed in December to enable start-up of wells from 'microgrid' setting in Tesla Megapack.

Director Comments and Discussion



Paul Kielhold
President



June Hayes
Vice President



**T. Milford
Harrison**
Treasurer



Gil J. Botello
Director



Susan Longville
Director

Staff Recommendation

Informational item. Receive and file.

Discussion Item 4.1 (Pg. 6)

Adekunle Ojo, MPA – Manager of Water Resources

Progress Update on Climate Adaptation and Resilience Plan
(CARP)

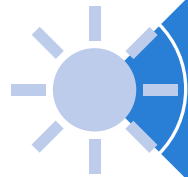
Staff Recommendation

Receive and File the Progress Update.

Feedback from the Climate Resilience Committee



More focus on heat in the Plan and what the District can do about it, such as planting trees on District property



Acknowledge that it is not only getting hotter (record summer peaks), but there isn't enough cooling at night



Recognize a wide range of beliefs about climate and resiliency from interested parties to get everyone on Board



Get the nomenclature right – add Climate to Resilience Roadmap and emphasize it is the common name for CARP

Key Findings and Ideas from Community Workshops



Valley District has a unique role in the area and the Plan; vision should highlight that



Community engagement is difficult without knowing who Valley District is; community groups want to see more engagement from the District through retailers



Attendees are supportive of the Plan and want to see how it measures success over the coming years



Equity should be considered throughout the Plan

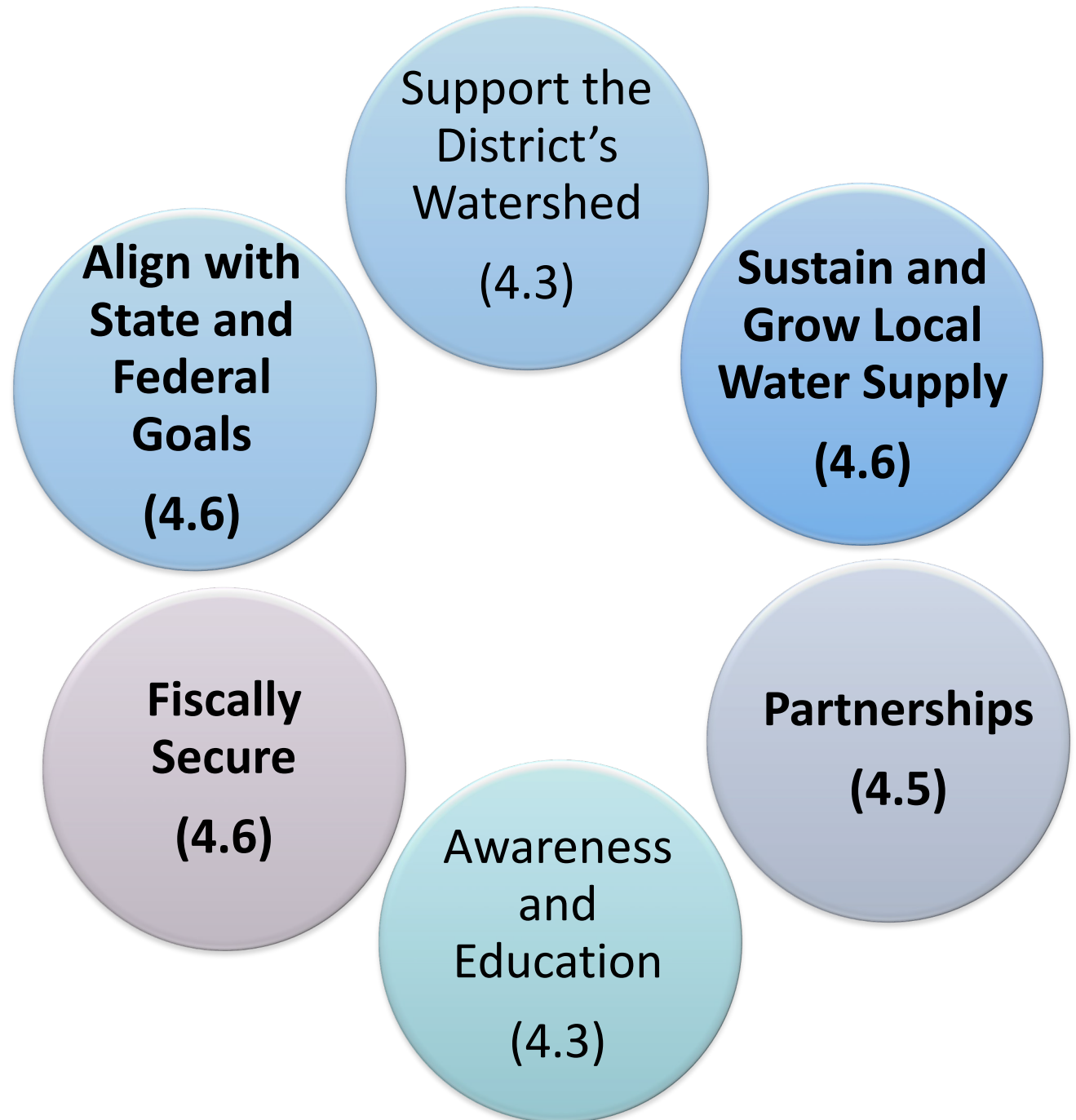


Draft Vision and Goals Feedback

Draft Vision & Goal Areas

Vision:

*Ensure that Valley District can continue providing **(delivering)** reliable, clean water supply in a changing environment by strengthening the District's infrastructure and operational resilience and proactively addressing existing and future challenges. (4.7 out of 5)*



Specific Feedback

Emphasize what only Valley District can do (unique role)

Draft Vision (4.7)

- Valley District's role as a State Water Project (SWP) contractor is unique
- Change the word "provide" to "deliver"

Goal #1: Support the District's Watershed (4.3)

- Too broad and could be narrowed
- Different ideas about promoting nature; change goal to focus on watershed approach
- Goal should be specific to things under Valley District's control; San Bernardino National Forest is a federal government administrative unit

Goal #2: Sustain and Grow Local Water Supply (4.6)

- No specific comments, changes or additions

Specific Feedback

Consider merging these two goals into Partnership and Engagement

Goal #3: Partnerships (4.5)

- Highlight Valley District as a wholesale water agency
- Coordinate outreach with retail agencies to avoid confusing the public; they directly provide water to customers
- Outreach to grassroots groups, not just established agencies
- Local involvement and ownership of the issue
- Making presentations at City Council meetings, ESRI forums, college campuses, community events, etc.
- Add Federal Government to the list of partners

Goal #4: Awareness and Education (4.3)

- People care about what is close to them; water issues is at the bottom
- Drought fatigue
- Start at introducing Valley District and its unique role; coordinate with retailers
- Target audience is not the typical community member but community groups, nonprofits, and retailers

Specific Feedback

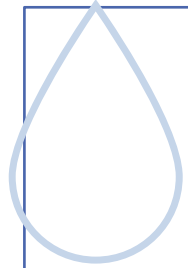
*Focus on People and
Obtaining External
Funding*

Goal #5: Fiscally Secure (4.6)

- Infrastructure investments don't translate into more water security without change in human behavior
- Consider equity; have equity guardrails and prioritize equity within the Plan
- There is a lot of fear around certain issues already; don't communicate with more fear

Goal #6: Align with State and Federal Goals (4.6)

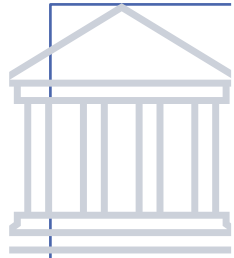
- Aligning should be the minimum
- Energy is part of the mix; make it clear
- Emphasize practical methods for the public to conserve water



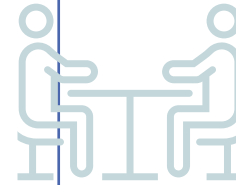
Goal #2: Sustain and Grow Local Water Supply (4.6)



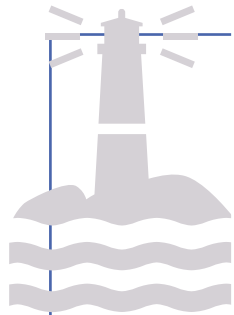
Goal #5: Fiscally Secure (4.6)



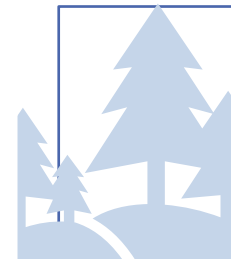
Goal #6: Align with State and Federal Goals (4.6)



Goal #3: Partnerships (4.5)



Goal #4: Awareness and Education (4.3)



Goal #1: Support the District's Watershed (4.3)

Next Steps

- Revise Vision and Goals
- Develop Strategies for Adaptation and Mitigation
- Evaluate Priorities for the District
- Write the Plan
- Engagement throughout



Website: <https://www.resilientsbvmwd.com>



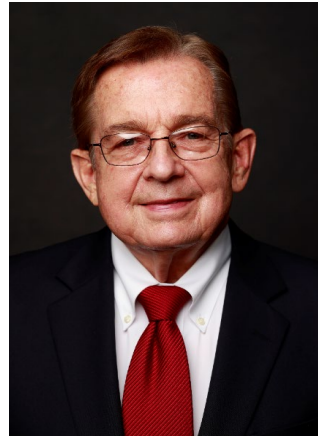
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Staff Recommendation

Receive and File the Progress Update.

Future Business

Adjournment
