



## The meeting teleconference will begin shortly

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PASSCODE: 3802020

Public comments, suggestions or questions regarding technical issues may be  
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Please use the chat feature in the Zoom toolbar to let the moderator know that you would like to make a comment during the meeting or use the digital “raise hand” 🖐️ function in Zoom.



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# NOTICE REGARDING (COVID-19)

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Before public comments are considered, the record will reflect that pursuant to the provisions of Executive Order N-29-20 issued by Governor Gavin Newsom on March 19, 2020, this meeting will be conducted by teleconference only.





# Call to Order

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Board of Directors Workshop - Engineering  
Tuesday, March 9, 2021

*Chairperson – Director Harrison*  
*Vice-Chair – Director Hayes*



# Introductions

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*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

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Any person may address the Board on matters within its jurisdiction.

*Please use the chat feature on the Zoom toolbar or digitally raise your hand to let the moderator know you would like to make a comment.*





# Summary of Previous Meeting (Pg. 3)

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Board of Directors Workshop – Engineering  
February 9, 2021





# Presentation Item 4.1 (Pg. 9)

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**Kristeen Farlow, MPA** – External Affairs Manager

Federal Legislative Update by Innovative Federal Strategies

**Staff Recommendation**  
Receive and file



# Innovative Federal Strategies

Congressional Outlook 2021 / Federal Legislative Update



- Appropriations
  - Seven Oaks Dam Report Language
  - Cooperative Endangered Species Conservation Fund (Section 6) funding
- Authorizations
  - “Expedited Completion” language for Seven Oaks Dam Authorization in WRDA
- Both in end-of-year spending bill / coronavirus relief legislation enacted in December



- Slow Organization of the 117<sup>th</sup> Congress
  - Senate (48 Democrats + 2 Independents / 50 Republicans)
    - Georgia Runoffs
    - 50/50 Power Sharing Agreement
    - Impeachment Trial
    - Committee Changes (Democrats took over in late January), new assignments delayed
      - Feinstein – no changes (but didn't take over Judiciary as Chair)
      - Padilla – EPW, Homeland Security, Judiciary, Budget, Rules
        - Hired Feinstein staffer (Josh Esquivel) as Legislative Director
        - Hired House Leadership for Environmental Posts

- Senate
  - Confirmations
    - No Dates for Interior floor consideration (historically lags / has been reported out of Committee)
      - No Bureau Commissioner
      - Deputy Commissioner is Camille Touton
        - Office of Water and Science Veteran / T&I / ENR
    - EPA 's Regan Could be Confirmed this Week
    - All "major" nominations likely to require cloture moving forward
      - History: some may be withdrawn (OMB)
    - Consideration of at least two nominees this week



- Senate
  - Consideration of reconciliation package just completed
  - Nominations to continue
  - No announcement on next legislative undertaking



- House (221 Democrats, 211 Republicans, 3 Vacancies)
  - New Committee Ratios
  - Continuing Allowance for Remote Voting
    - Some Republicans are now using proxy voting
  - Schedule Changes early this year to Allow for Budget Reconciliation
  - Our Delegation:
    - Obernolte: Natural Resources, Science, Space & Technology, Budget
      - Natural Resources – authorizing projects
    - Aguilar and Torres: remain on Appropriations



- Budget Resolution Reconciliation
  - Used for \$1.9 Trillion Spending Bill
  - Likely to be passed by Wednesday
    - Will likely be P.L.117-2 (only second bill enacted)
  - Includes state and local support - \$350 billion
    - No special districts language
    - Replenishes the Coronavirus Relief Fund – still a target for Garamendi (has reintroduced legislation)
  - Misc. Provisions
    - \$50 million for EPA Clean Air Grants for health disparities outcomes
    - \$4.5 billion for HHS for Low-Income Home Energy Assistance Program



- Notable bill introductions / reintroductions
  - WIIN Act Extensions – California Water Provisions
    - Reintroduced by CA Republicans
  - Special Districts Provide Essential Services Act
    - Reintroduced by Garamendi (D-CA) in the House
    - Reintroduced by Sinema (D-AZ) in the Senate
- Filibuster to Remain
  - Democrats had openly discussed eliminating
    - Joe Manchin (D-WV) and Krysten Sinema (D-AZ) don't support changes

- Appropriations
  - Earmarks Return has been announced
  - House appropriations likely to aggressively focus on climate change / resiliency
- Infrastructure
  - Talk of FY22 budget resolution for another reconciliation package (growing more unlikely)
  - FAST Act (Surface Transportation Bill) and Flood Insurance extension expire on Sept. 30
    - Could be the catalyst for larger infrastructure bill





## Director Comments and Discussion

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**Paul  
Kielhold**  
President



**June Hayes**  
Vice President



**T. Milford  
Harrison**  
Treasurer



**Gil J.  
Botello**  
Director



**Susan  
Longville**  
Director

**Staff Recommendation**  
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# Discussion Item 5.1 (Pg. 32)

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**Chris Jones, MESM** – Project Manager II/Biological Resources

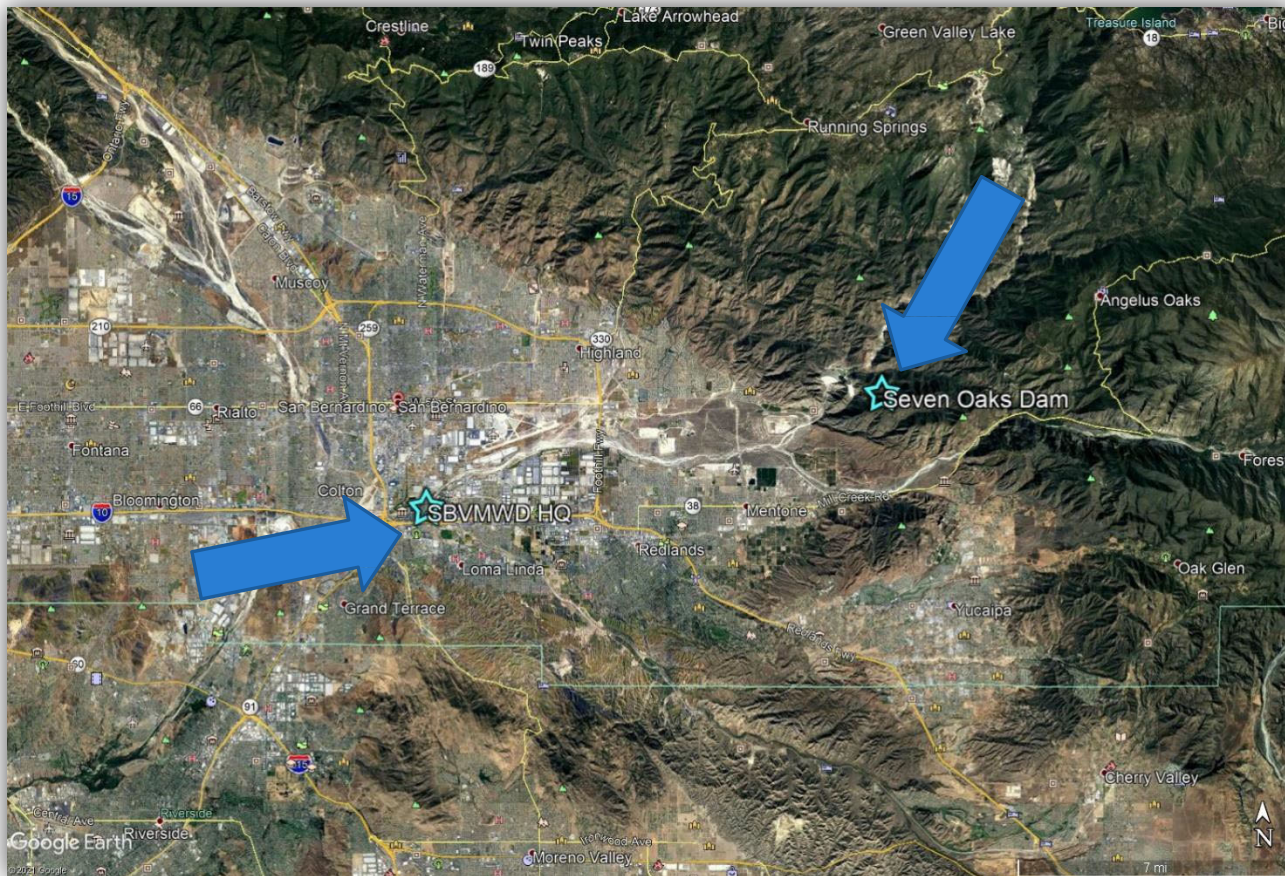
Update on Seven Oaks Dam Water Conservation and Proposed Strategy for Engagement with the U.S. Army Corps of Engineers

**Staff Recommendation**  
Receive and File





# Seven Oaks Dam Area Map





## Water Resources Development Act (WRDA)

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- Long history going back to the Water Supply Act of 1958
- Initial Water Conservation Reconnaissance Study started in 1986
- Several studies, agreements, and water rights applications later efforts stalled in the mid-2010's
- New opportunity to collaborate to realize water conservation goals for Seven Oaks Dam that have been in process for over 35 years
  - Rep. Norma Torres (D-CA) carried language in report accompanying the Energy and Water Appropriations Bill, 2021
  - Current, final legislation was incorporated into H.R. 133, the Consolidated Appropriations Act, 2021
  - Congressman Pete Aguilar (D-CA) submitted the request to incorporate request to study feasibility of water conservation on behalf of Valley District
  - Chairwoman Grace Napolitano (D-CA): Chairwoman of the Water Resources and Environment Subcommittee appeared to support request



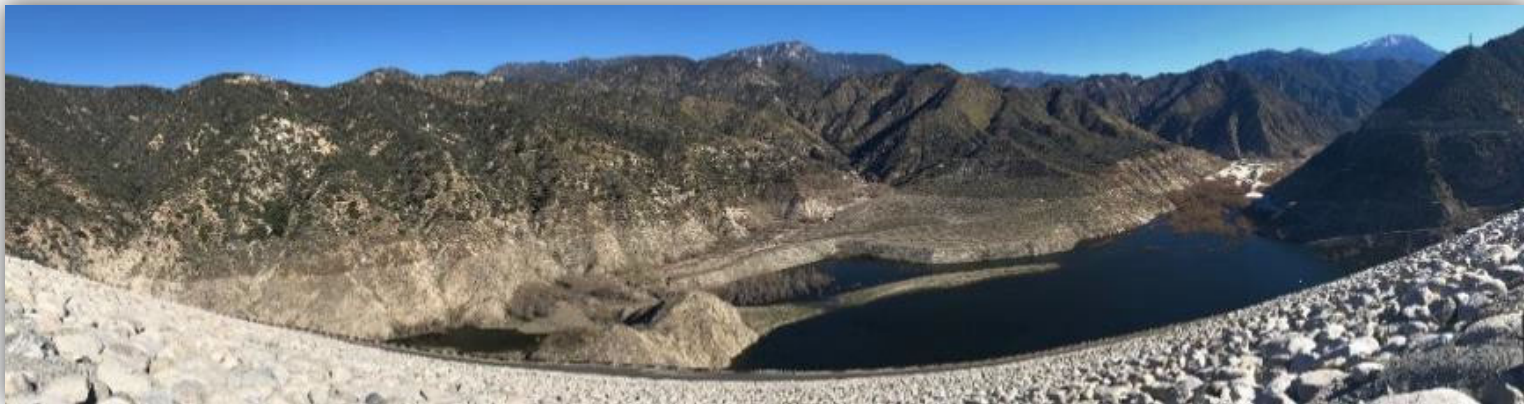


## WRDA Language:

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### SEC. 202. EXPEDITED COMPLETIONS

- (a) Feasibility Reports: The Secretary shall **expedite the completion of a feasibility study** for each of the following projects, and if the Secretary determines that the project is justified in a completed report, may proceed directly to the preconstruction planning, engineering, and design of the project:
- (20) **Project to modify the Seven Oaks Dam**, California, portion of the project for flood control, Santa Ana River Mainstem, California, authorized by Section 401(a) of the Water Resources Development Act of 1986 (100 Stat. 4113; 101 Stat. 1329-111; 104 Stat. 4611; 110 Stat. 3713; 121 Stat. 1115), **to include water conservation as an authorized purpose.**



View looking upstream from top of Seven Oaks Dam



# Plan of Collaboration

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## CURRENT COLLABORATION

- Bottom Line Goal: Meet to explore ways our two agencies can collaborate on a Feasibility Study for Water Conservation at Seven Oaks Dam that was authorized in the 2020 WRDA. Looking for a WIN-WIN solution.
- Feb. 2021: Staff began coordination with Planning Division Chief, Ed Demesa
- Feb. 2021: Mr. Demesa provided a lead in with the Colonel's staff to set up meeting between our agencies.
- Feb./March 2021: Staff coordinating with Colonel's staff to set up meeting between our agencies.
- Early April 2021: First meeting between our agencies.

## FUTURE COLLABORATION

- Create strong foundation for relationship and grow and maintain it with key stakeholders in collaborative team:
  - Valley District Team
  - Local USACE Team
  - Congressional Representatives
- Establish components of partnership
  - Goals
    - Near- and long-term
  - Processes and Protocols
  - Scientific Study (Ideally, Forecast Informed Reservoir Operations FIRO)
  - Timelines
  - Budgets
- Schedule reoccurring staff and executive level meetings in order to maintain momentum and forward progress

## Director Comments and Discussion

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Kielhold**  
President



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Vice President



**T. Milford  
Harrison**  
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Director

**Staff Recommendation**  
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# Discussion Item 5.2 (Pg. 39)

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**Wen B. Huang, PE, MS** – Chief Engineer/Deputy GM  
**Aaron Jones, EIT** – Associate Engineer

Consider Agreement with Tesla for Participation in a Self-Generation Incentive Program to Provide Megapack Batteries for the Baseline Feeder System

## **Staff Recommendation**

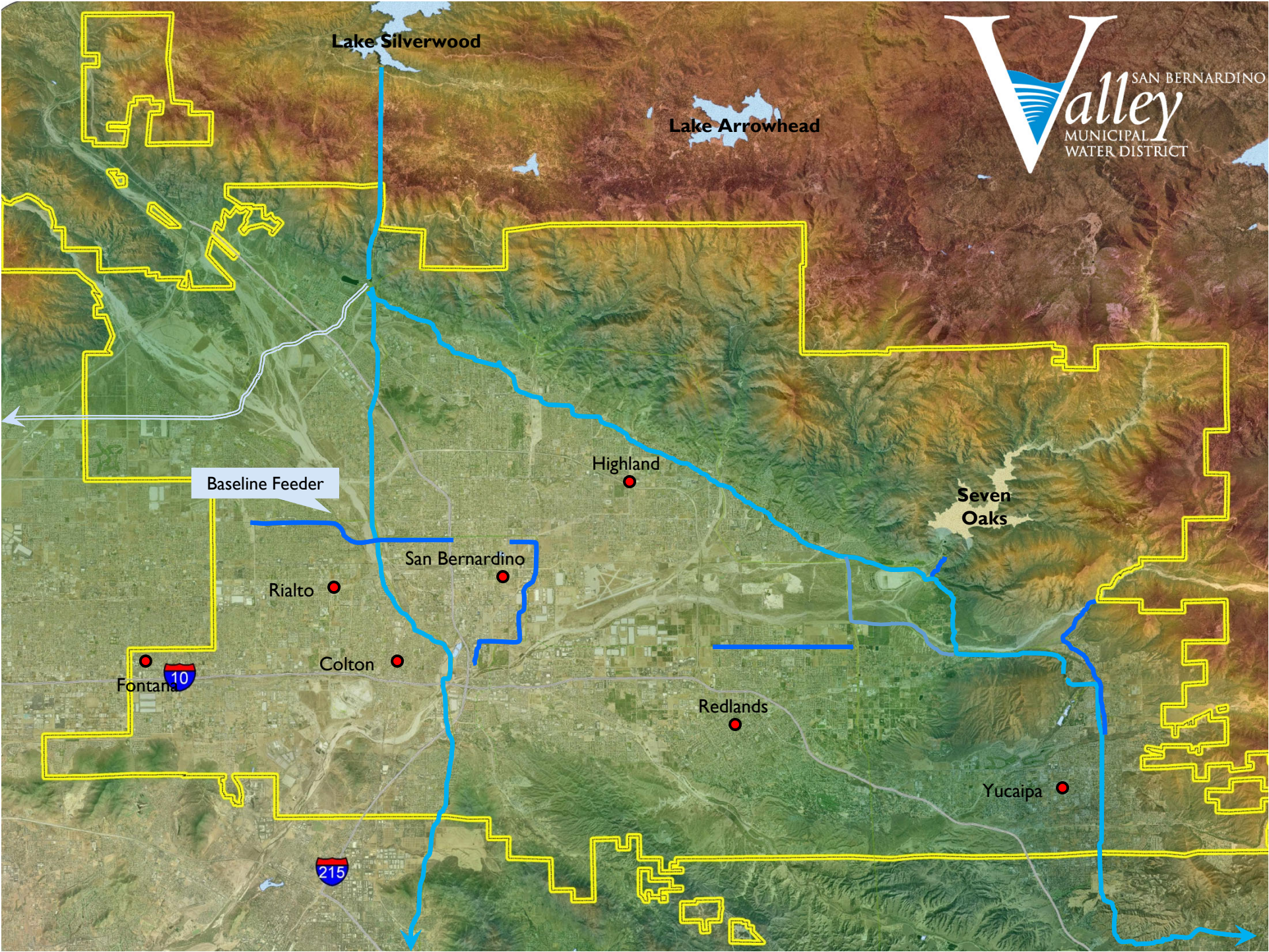
Staff recommends the Board of Directors forward consideration of entering into an agreement with Tesla for this renewable energy incentive program to the next Board of Directors' meeting for consideration.



# What is the Baseline Feeder?







Lake Silverwood

Lake Arrowhead

Baseline Feeder

Highland

Seven Oaks

San Bernardino

Rialto

Fontana

Colton

Redlands

Yucaipa



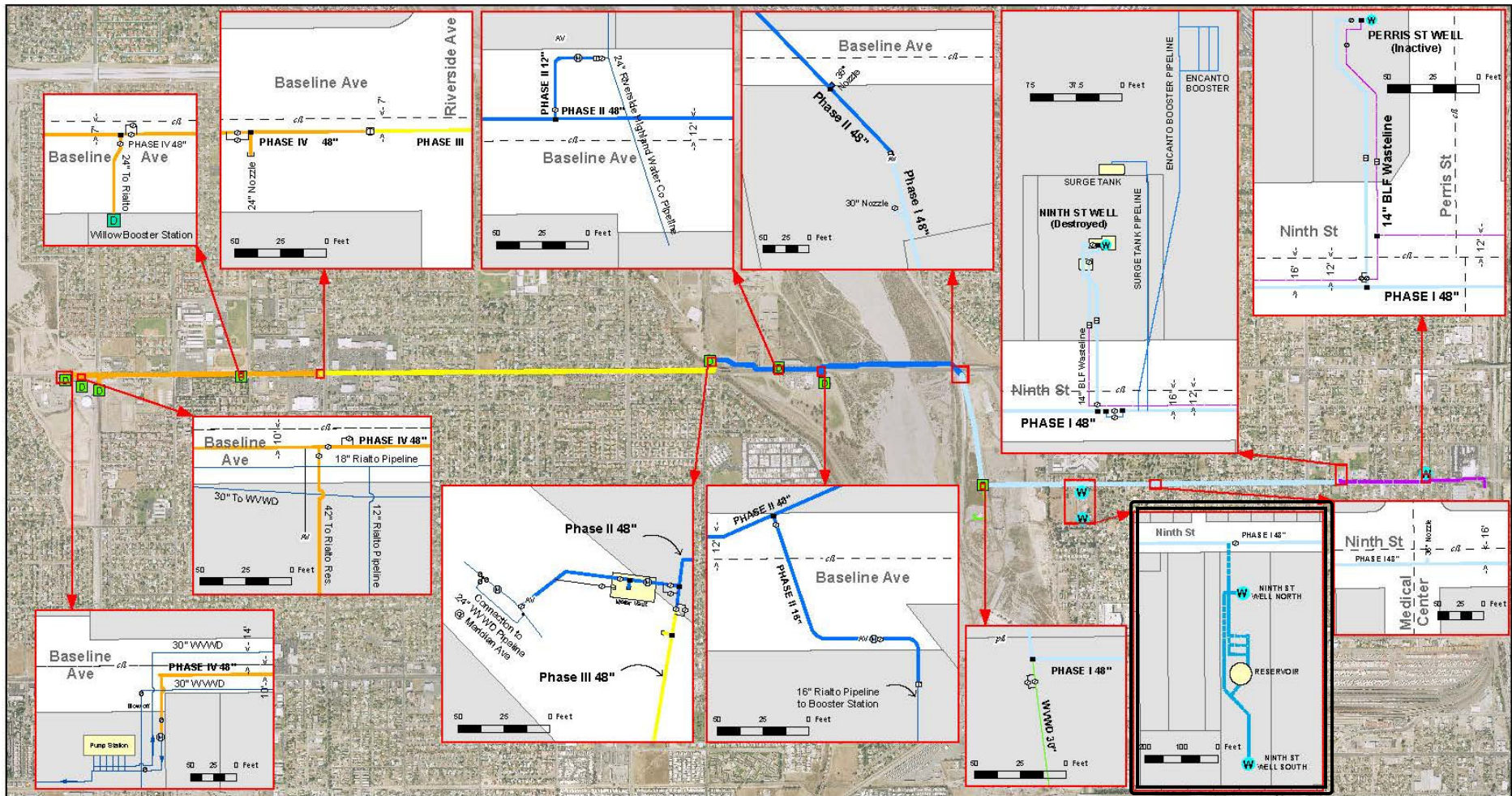




# Baseline Feeder

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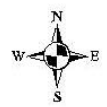
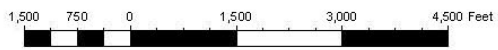
- In 1990, Valley District, in collaboration with WVWD, City of Rialto and Riverside Highland Water Company, constructed water facilities known as the “Baseline Feeder”.
- The System consisted of two wells, a pipeline, and other associated facilities to convey water from the central part of the SBBA to users on the west side of the District’s service area.
- In 2010-12, Valley District took the lead to construct the new 9th Street Well Complex, consisting of two (2) new replacement wells, a stilling reservoir, a booster station, and other appurtenances for a complete system.
- The system has been operated by WVWD and functioning as designed since 2012. The capital cost of the system along with the ongoing O&M cost is being paid by the BLF Stakeholders in accordance with the *New Baseline Feeder Agreement*.



**Legend**

- Baseline Feeder Phase I
- Baseline Feeder Phase II
- Baseline Feeder Phase III
- Baseline Feeder Phase IV
- BLF Wasteline
- W BLF Well
- D Delivery Point

**BASELINE FEEDER SYSTEM**





# SGIP Equity Resiliency

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The California Public Utilities Commission recently 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

- 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 9<sup>th</sup> Street Well Complex meets these criteria.

Through the SGIP, there will be no purchase cost for the batteries themselves, nor will there be any installation fees.

# Tesla's Megapack Offer

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The incentive program is set up as follows:

- 1) Tesla will receive the SGIP ER rebate payments over 5-years
- 2) The District, on behalf of the Baseline Feeder Stakeholders, will receive ownership of the Megapack system upon installation for \$0.
- 3) 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

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- Annual electricity bills reduced by more than \$78,000
- Additional emergency backup power during outages (approximately 2.4 hours)
- SBVMWD owns hardware from day 1
- 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

## Director Comments and Discussion

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**Gil J.  
Botello**  
Director



**Susan  
Longville**  
Director

### Staff Recommendation

Staff recommends the Board of Directors forward consideration of entering into an agreement with Tesla for this renewable energy incentive program to the next Board of Directors' meeting for consideration.





# Discussion Item 5.3 (Pg. 77)

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**Shavonne Turner, MPA** – Water Conservation Program Manager

Consider Weather Station Maintenance Program -  
Meteorological Services for the 2021 and 2022 Calendar  
Years

## **Staff Recommendation**

Staff recommends that the Board direct staff to place this contract extension on a future regular Board of Directors meeting for consideration.

# Weather Station Maintenance Program 2021-2022

March 9, 2021



# Weather Station Sites

- Bloomington Station: Bloomington High School
- Highland Station: 5th Street and Central Ave, Highland
- Loma Linda Station: Ohio Street and Redlands Blvd., Loma Linda
- Waterman Station: Waterman and Marshall, San Bernardino
- West Valley Station: Riverside Ave. /Knollwood, Rialto
- Yucaipa Station: Bryant and Oak Glen Rd

# Western Weather Group Services

- Regular Inspections
- Maintenance
- Sensor calibration
- Sensor performance testing
- Monitoring and data collection
- Collection, process, and display of data
- Reporting

# 2021 and 2022 Quote

Ln #	Description	Qty	Unit Price	Ext. Price
1	<b>METEOROLOGICAL SERVICES FOR THE 2021 AND 2022 CALENDAR YEARS. Monitoring and data collection, processing and display services will be billed on a semi-annual basis in the months of January and July of 2021 and 2022. Calibration services will be performed in April and October of each year and billed upon the completion of the field service work.</b>			
2	Collection, processing, storage and display of data from the six San Bernardino Valley MWD weather stations; Bloomington, Highland Operations, Loma Linda, San Bernardino, Rialto West Valley, Yucaipa using the Weather Weather Group Microsoft Azure Cloud weather data platform. Data to be made publically available on the WWG Data Platform with a public URL. Service includes uploading weather station data to the Weather Underground website.	4	\$750.00	\$3,000.00
3	Semi-annual calibration and report (April 2021)	1	\$5,375.00	\$5,375.00
4	Semi-annual calibration and report (October 2021)	1	\$5,375.00	\$5,375.00
5	Semi-annual calibration and report (April 2022)	1	\$5,375.00	\$5,375.00
6	Semi-annual calibration and report (October 2022)	1	\$5,375.00	\$5,375.00
7	Funding, as needed, for factory repairs, factory calibrations and replacement parts	1	\$4,980.00	\$4,980.00
			<b>SubTotal</b>	\$29,480.00
			<b>Sales Tax</b>	\$0.00
			<b>Shipping</b>	\$0.00
			<b>Total</b>	\$29,480.00

**UNLESS NOTED, SHIPPING CHARGES WILL BE ADDED TO INVOICE**

## Director Comments and Discussion

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Botello**  
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Longville**  
Director

### Staff Recommendation

Staff recommends the Board of Directors forward to the next Board of Directors' meeting for consideration.



# Future Business

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# Adjournment

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