



**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. Governor Newsom issued Executive Order N-25-20 (3-12-20) and Executive Order N-29-20 (3-17-20) which temporarily suspend portions of the Brown Act relative to conducting public meetings. Subsequent thereto, Governor Newsom issued Executive Order N-33-20 (3-19-20) ordering all individuals to stay at home or at their place of residence. 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.

**REGULAR MEETING OF THE BOARD OF DIRECTORS  
TUESDAY, SEPTEMBER 15 – 2:00 P.M.**

**PUBLIC PARTICIPATION**

Public participation is welcome and encouraged. You may participate in the September 15, 2020, 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: 684 456 030**

**<https://us02web.zoom.us/j/684456030>**

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@sbumwd.com](mailto:comments@sbumwd.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, September 14, 2020. All public comments will be provided to the President and may be read into the record or compiled as part of the record.

<p><b>IMPORTANT PRIVACY NOTE: <u>Participation in the meeting via the Zoom app is strongly encouraged.</u> 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.</b></p>
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**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT**  
380 E. Vanderbilt Way, San Bernardino, CA 92408

**REGULAR MEETING OF THE BOARD OF DIRECTORS**

**AGENDA**

**2:00 PM Tuesday, September 15, 2020**

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**CALL TO ORDER/PLEDGE OF ALLEGIANCE/ROLL CALL**

1. **PUBLIC COMMENT** - *Any person may address the Board on matters within its jurisdiction.*
2. **APPROVAL OF MINUTES**
  - 2.1. September 1, 2020, Meeting (Page 4)  
[SBVMWD Minutes 090120](#)
3. **DISCUSSION AND POSSIBLE ACTION ITEMS**
  - 3.1. Consider Amendment 6 to the Yuba Accord Agreement for a Dry Year Water Supply (Page 10)  
[Staff Memo - Yuba Accord Amendment 6](#)  
[Yuba Accord Amendment 6](#)
  - 3.2. Consider USGS Data Collection Program for Fiscal Year 2020 – 2021 (Page 20)  
[Staff Memo - Consider USGS Data Collection Program for Fiscal Year 2020 – 2021](#)  
[Joint Program Funding Agreement SBVMWD and USGS WY21](#)
  - 3.3. Consider Participation in the Update of the 2015 Upper Santa Ana River Watershed Integrated Regional Water Management Plan and the 2015 San Bernardino Valley Regional Urban Water Management Plan (Page 37)  
[Staff Memo - Consider Participation in the Update of the 2015 Upper Santa Ana River Watershed Integrated Regional Water Management Plan and the 2015 San Bernardino Valley Regional Urban Water Management Plan](#)  
[Proposed cost sharing for the 2020 for IRUWMP - WSC Woodard Curran](#)  
[Excerpt from WSC/Woodard & Curran Proposal for the Upper Santa Ana River Watershed IRUWMP](#)
  - 3.4. Consider Awarding Contract to Borden Excavating, Inc. for Construction of the Waterman

Hydroelectric Project (Page 64)  
[Staff Memo - Consider Awarding Contract to Borden Excavating Inc. for Construction of the Waterman Hydroelectric Project Bid Opening Report and Bid Summary](#)  
[Borden Excavating Bid Package](#)  
[Borden Excavating Bid Irregularity Table](#)

**4. REPORTS (DISCUSSION AND POSSIBLE ACTION)**

- 4.1. SAWPA Meeting Report
  
- 4.2. Directors' Primary Representative and Activity Report
  
- 4.3. Treasurer's Report (Page 101)  
[Treasurer Report - August 2020](#)
- 4.4. Operations Report (Page 113)  
[Operations Report August 2020](#)
- 4.5. Directors' Fees and Expenses for August 2020 (Page 119)  
[SBVMWD Director Fees and Expenses - August 2020](#)  
[Director Harrison Report - August 2020](#)  
[Director Hayes Report - August 2020](#)  
[Director Kielhold Report - August 2020](#)  
[Director Longville Report - August 2020](#)  
[Director Navarro Report - August 2020](#)

**5. ANNOUNCEMENTS**

- 5.1. List of Announcements (Page 125)  
[List of Announcements 091520](#)

**6. CLOSED SESSION**

- 6.1. Conference with Real Property Negotiators - Pursuant to Government Code Section 54956.8 - Properties APN's 1210-211-18, 1210-211-21, 1210-211-23, 1210-281-01, 1210-281-02, 1210-281-03, 1210-281-04, 1210-211-14, 1210-211-25, 1210-211-26, 120-136-106, 120-136-107, 120-136-108, and 120-136-109  
Agency Negotiator: Heather Dyer, Wen Huang  
Owner Representative: Diversified Pacific  
Under Negotiation: Price and Terms

**7. 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](http://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.

**MINUTES  
OF  
THE  
REGULAR BOARD MEETING  
SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT**

**September 1, 2020**

**Directors Present:** T. Milford Harrison, Paul Kielhold, Gil Navarro, Susan Longville, and June Hayes

**Directors Absent:** None

**Staff Present:** Heather Dyer, Wen Huang, Cindy Saks, Bob Tincher, Melissa Zoba, Kristeen Farlow, Michael Esquer, Anel Perez, Brent Adair and Brendan Brandt

**Registered Guests:**

Ronald Coats, East Valley Water District

Melody McDonald, San Bernardino Valley Water Conservation District

David Raley, San Bernardino Valley Water Conservation District

The regular meeting of the Board of Directors was called to order by President Harrison at 2:00 p.m. A quorum was noted present by roll-call.

President Harrison stated that before they consider public comments, the record will reflect that pursuant to the provisions of Executive Order N-29-20 issued by Governor Newsom on March 17, 2020, this meeting will be conducted by teleconference only. Please note that all actions taken by the Board at the meeting will be conducted by a roll-call vote.

**Agenda Item 1. Public Comment**

President Harrison stated that any member of the public wishing to make any comments to the Board may do so. Audience attendance will be recorded in the minutes based on registration information generated in the teleconference or by stating their name during this time. There were no email comments or Zoom requests to speak.

**Agenda Item 2. Approval of Minutes of the August 18, 2020, Board meeting.**

Director Navarro moved to approve the minutes of the August 18, 2020. Director Hayes seconded. The motion was unanimously adopted by a roll-call vote.

**Agenda Item 3. Discussion and Possible Action Items.**

**3.1) Consider Agreement with the Inland Empire Resource Conservation District for Water Education Programming Fiscal Year 2020-2021.** Kristeen Farlow stated this item was presented to the Board of Directors' Workshop – Resources – on August 6, 2020. The Board of Directors is asked to consider authorizing the CEO/General Manager to execute an agreement with the Inland Empire Resource Conservation District (IERCD) for the Water Education Program for fiscal year 2020-2021. Since 2007, Valley District has contracted with the IERCD to manage and perform student education programs, adult programs, and educational workshops. In fiscal year 2019-2020, the IERCD completed 97 classroom presentations to students from kindergarten through twelfth grade; six landscape workshops (three in person and three online); and one teacher workshop. While IERCD was unable to complete all the in-classroom presentations due to the COVID 19 pandemic, they did provide additional resources on their website and the Valley District website that include at-home activities for kids and families, and in-the-classroom activities for teachers, as well as the online landscape workshops. The total cost for the 2019-2020 program was \$25,900, with an estimated reach of 3,000 children and adults. Staff is also requesting to authorize the CEO / General Manager to execute an agreement with IERCD for the Performance of Water Conservation Public Outreach Program for a cost not to exceed \$30,000. Director Navarro recommended expanding the online workshops to occur more frequently, providing promotional items to the students as well as making videos on water conservation and the watershed available to middle and high school students. Director Hayes inquired about the process where teachers are able to request presentations, IERCD staff stated the IERCD website as well as the valley district's website will provide specifics on the process for teachers to request information and presentations. Director Longville stated she requested the IERCD identify in the scope of work the priority to promote the district's water use efficiency rebates program. Heather Dyer responded there are a couple of steps in this process which are planned to take place upon execution of the agreement. The first step is the authorization for work which is being considered today and the next step would be to collaboratively, with the IERCD staff, to develop the upcoming year's curriculum content which will certainly include information and promotion of the water rebates the District offers. We have the flexibility to change the IERCD course content as we continue with the online classes and development of materials on water rebates with direction and input from the new water conservation program manager. Director Longville thanked staff for the additional information and is satisfied with identifying the needed priority to the district's water use efficiency rebate program. Director Kielhold stated he is in support of the program and any education the District can provide to the public is important. President Harrison agreed with all the comments made by all directors and is in support of the program.

Director Hayes moved to authorize the General Manager to execute an agreement with IERCD for the Performance of Water Conservation Public Outreach Program for a cost not to exceed \$30,000. Director Kielhold seconded. The motion was unanimously approved by a roll-call vote.

**3.2) Consider Funding Support for the San Bernardino Municipal Water Department Water Use Efficiency Pilot Project.** Kristeen Farlow stated this item was discussed at the Resources Workshop on August 6, 2020. Staff is requesting that the Board of Directors consider funding 50% of the total cost to the San Bernardino Municipal Water Department to implement a new water use efficiency pilot project that will address inefficient landscaping at residential and small to medium-sized commercial sites. The total cost to Valley District is \$90,959. This pilot project will address inefficient landscape water use at residential and small and medium-sized commercial sites, identifying landscaped areas that could be improved upon through alternative irrigation solutions, conducting a site assessment to gather irrigation data, installing a Weather-Based Irrigation Controller, and providing minor repairs to the irrigation system as-needed. All directors commented on the importance of this type of program and the district's support of our water retailers.

Director Navarro moved to approve providing 50% financial support for the San Bernardino Municipal Water Department Water Use Efficiency Pilot Project. Director Longville seconded. The motion was unanimously approved by a roll-call vote.

**3.3) Appointment of Alternate Member to the Santa Ana Watershed Project Authority Project Agreement (PA) 24 Committee.** Heather Dyer stated President Harrison currently sits on the PA-24 Committee. The committee typically meets once per month. President Harrison has recommended the District appoint another Board member to serve as an alternate for the PA-24 Committee. President Harrison stated he has asked Director Navarro to take the position as the alternate to the SAWPA PA-24 committee.

Director Kielhold moved the Board President appointment of Director Gil Navarro as the alternate to the SAWPA PA-24 committee. Director Navarro seconded. The motion was approved 4-1 by a roll-call vote. Director Longville opposed the motion.

**3.4) Update on Administration Building Office Remodeling Project.** Mike Esquer stated at the Board of Directors' meeting on June 16, 2020, the board approved the FY20/21 General Fund Budget, which included a budget line item of \$100,000 for the Administration Building Office Remodeling Project. The remodeling is necessary to create new office spaces to accommodate three (3) new positions that the Board has authorized during the budget process and organizational restructure. Staff requested that the Board ratify the expenditures of \$39,673 for the remodeling work and authorize a budgetary authority to the CEO/General Manager in the amount of \$33,500 to equip the new offices with

furniture and equipment for a total project amount of \$73,173. Directors thanked the staff for the great work on the remodel.

Director Hayes moved to ratify the expenditures for a total of \$39,673 for the remodeling work and authorize a budgetary authority in the amount of \$33,500 for the CEO/General Manager to equip the new offices with furniture and equipment for a total project amount of \$73,173. Director Kielhold seconded. The motion was unanimously approved by a roll-call vote.

#### **Agenda Item 4. Reports (Discussion and Possible Action Items).**

**4.1) SAWPA Meeting report, September 1, 2020.** President Harrison reported on the following items:

1. Received a legislative report and a report on SAWPA accomplishments for 2020 and goals for 2011.
2. Adopted the 2019 Santa Ana River Watershed Sustainability Assessment.
3. Discussed the status report regarding the Task 2 Report for Assessing Homelessness Impact on Water Quality, Riparian and Aquatic Habitat in Upper Santa Ana River Watershed as prepared by GEI Consultants. The item was continued for 2 months (60 days) with the understanding to receive responses from other involved agencies about funding and allowing the Commissioners time to have discussions with their respective Member Agency General Managers.

#### **4.2) District's Primary Representatives and Activity Report.**

Director Longville stated she will be out of the State starting on September 15<sup>th</sup>, she does not anticipate missing any teleconference meetings. She will return in time for the board strategic plan retreat in October and will be tested in Washington for COVID 19 and provide timely test results. She stated with importance that all attendees of the retreat should be tested prior to the event in order to maintain safe conditions for all. She stated she attended the Riverside County Water Task Force on Mega Drought on August 28, 2020.

Director Hayes reported that she attended the Riverside County Water Task Force on Mega Drought, a meeting at West Valley and the September 1<sup>st</sup> SAWPA meeting. She also attended a webinar on Cybersecurity, and the California Special District's Leadership Academy. Director Hayes stated the importance of undistracted attendance by board members while participating in district meetings.

Director Navarro reported he attended a West Valley Board Meeting. He stated he has been reviewing and found more valuable information on the District's website.

Director Kielhold stated he has found the District's website as well as Maven's Notebook an excellent resource to find important current water related information.



President Harrison reported he attended a meeting on August 24<sup>th</sup> with Marty Ralph with Scripps Institute regarding Atmospheric Rivers, he attended the Riverside County Water Task Force on Mega Drought on August 28, 2020.

**4.3) Board of Directors' Workshop – Resources, August 6, 2020.** No oral report was given as a written report was included in the Board packet.

**4.4) Board of Directors' Workshop – Engineering, August 11,2020.** No oral report was given as a written report was included in the Board packet.

**4.5) Board of Directors' Workshop – Policy, August 13, 2020.** No oral report was given as a written report was included in the Board packet.

#### **Agenda Item 5. Announcements.**

**5.1) List of Announcements.** No changes were noted to the list of announcements.

**Agenda Item 6. Closed Session.** President Harrison adjourned the meeting to Closed Session at 3:25 p.m.

6.1. CONFERENCE WITH REAL PROPERTY NEGOTIATORS

Property: Portions of City of Redlands/unincorporated San Bernardino County (APNs 0168-351-09, 0168-351-10, 0168-351-11)  
Agency negotiator: Heather Dyer, Wen Huang, Mike Esquer  
Negotiating parties: Md7, LLC, on behalf of Verizon Wireless  
Under negotiation: Price and terms of payment

6.2. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION

Pursuant to Government Code Section 54956.9(a)(d)(1) – Endangered Habitats League v. U.S. Army Corps of Engineers - Case No. 2:16-CV-09178 (U.S. District Court, Central District of California)

6.3. CONFERENCE WITH REAL PROPERTY NEGOTIATORS

Property: Southern California Edison East End Hydroelectric Generation Plants  
Agency negotiator: Heather Dyer, Wen Huang  
Negotiating parties: Southern California Edison Company  
Under negotiation: Price and terms of payment

President Harrison returned the meeting to Open Session at 5:21 p.m. Brendan Brandt reported that the Board gave staff direction and there was no reportable action taken.

President Harrison requested a motion for adjournment.

Director Navarro moved to adjourn the meeting. Director Hayes seconded. The motion was adopted by a roll-call vote.

**Agenda Item 7. Adjournment.**

The meeting was adjourned at 5:24 pm.

<p>APPROVAL CERTIFICATION</p> <p>I hereby certify to approval of the foregoing Minutes of San Bernardino Valley Municipal Water District.</p> <p>_____</p> <p><b>Secretary</b></p> <p>Date _____</p>
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Respectfully submitted,

Anel Perez  
Technical Assistant



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**DATE:** September 15, 2020

**TO:** Board of Directors

**FROM:** Bob Tincher, Chief Water Resources Officer/Deputy General Manager

**SUBJECT:** Consider Amendment 6 to the Yuba Accord Agreement for a Dry Year Water Supply

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This item was discussed with the Board at the Engineering Workshop on September 8, 2020 and is being forwarded to the full Board for consideration. The *Yuba Accord Dry Year Water Purchase Program* (Yuba Accord) provides additional water through the State Water Project (SWP) system, above Valley District's Table A allocation of SWP water, at a reasonable price. Valley District first participated in this program in 2008 and considers participation each year. This year, Valley District will receive almost 5,000 acre-feet through this program.

The current water pricing, under this agreement, expires September 30, 2020. Agencies that participate in this program are being asked to approve Amendment 6 before September 30, 2020. In order to achieve this schedule, staff has included a draft version of Amendment 6 on this workshop agenda in order for the Board to review the content of the Amendment at this time. However, non-substantive changes may occur in the final version, which will be available for the September 15, 2020 Board meeting. House counsel has reviewed the draft amendment and approved it as to form.

Staff is recommending the Board consider approval of Amendment 6 in order to preserve the option for Valley District to participate in this program, as desired.

### **Background**

In December 2007, twenty-one (21) of the twenty-nine (29) State Water Contractors, one non-State Water Contractor agency and the Department of Water Resources entered into an

agreement with parties in the Yuba River Basin to purchase additional, non-SWP water supplies in dry times. The Board saw the additional non-SWP supplies as a relatively low cost, low risk investment for additional dry year supplies.

Each participating agency is required to pay a minimum amount to participate in the program and then to pay for any water ordered and delivered through the program. The maximum amount of water available under the contract for the combined use of the participants varies, based on the flow schedule for fish deliveries, conditions in the Delta, groundwater availability, anticipated delivery allocations through the SWP and CVP and the Sacramento Valley 40-30-30 Index (Water Year Index). The below table summarizes the maximum total deliveries under this program.

Maximum Total Deliveries Under Yuba Accord (acre-feet):

<u>Year Type</u>	<u>Water Year Index</u>	<u>Component 1</u>	<u>Component 2</u>	<u>Component 3</u>	<u>Component 4</u>	<u>TOTAL</u>
Wet	>=9.2	60,000		40,000	varies	200,000  (60,000 + 140,000)
Above Normal	7.8 – 9.2	60,000				
Below Normal	6.5 – 7.8	60,000				
Dry	5.4 - 6.5	60,000	15,000			
Critical	<=5.4	60,000	30,000			

The deliveries made to the State Water Project (SWP) and the Central Valley Project (CVP) can be as much as 140,000 acre-feet per year. This year, the amount of water available to SWP participating contractors is almost 70,000 acre-feet. The Participating agencies purchase water at varying costs based upon the negotiated pricing structure which is re-negotiated from time to time. The price paid for water under this program is in addition to the costs Valley District pays for SWP water. Water through this program is not SWP water but it is transported through the SWP system with the same priority as SWP.

Water delivered through this program is first released into the Yuba River which then flows through the Feather River and the Delta to the Central Valley Project (Federal) and/or Banks (SWP) pumping plants. Twenty other State Water Contractors have signed the agreement. CVP contractors and SWP Contractors share equally in the water available through this program.

The Yuba Accord Agreement may only be amended by agreement of all 22 parties. On April 1, 2009, the Board approved Amendments 1 and 2 to the original Agreement. Amendment 1 corrected a deficiency in the accounting for how the reservoir refills on the Yuba River. Amendment 2 was specific to 2009 and allowed a substitution of groundwater for Component 4 water (Component 4 groundwater substitution water) at a higher price (\$250/acre-ft) than the original Agreement (\$125/acre-ft). The higher cost only applied to participants that actually purchased this water.

On March 17, 2010, the Board approved Amendment 3 which set the price per acre foot of Component 4 groundwater substitution water for 2010 to \$200/acre-ft based on current water market conditions. Participating Contractors were not obligated to request any of this water.

On September 20, 2011, the Board approved Amendment 4 which streamlined the process of pricing Component 4 groundwater substitution water based on water market conditions. More specifically, Amendment 4 allowed:

1. The Management Committee, consisting of representatives of the Participating Contractors (including Valley District), Yuba, and DWR, to annually negotiate the price for Component 4 groundwater substitution water
2. Component 4 groundwater substitution water priority over certain other cross-Delta transfers made under Article 55, if applicable
3. Certain technical accounting changes, invoice timing changes, and other relevant provisions with respect to Yuba groundwater substitution water.

In 2014, the Board approved Amendment 5 which included a variety of changes to the original agreement based largely on market conditions heavily influenced by the then current drought. Under Amendment 5, water prices increased and were established for the period 2016 - 2020.

The water pricing under Amendment 5 expires September 30, 2020. Those agencies that would like to continue participating in this program are being asked to execute Amendment 6 which primarily includes the pricing structure for 2021 through 2025. This amendment was approved by the Yuba Board on August 18, 2020. The Department of Water Resources is hoping to have all of the participating agencies approve Amendment 6 by September 30, 2020.

**Fiscal Impact**

There is no cost to Valley District to approve this amendment.

**Staff Recommendation**

Staff recommends the Board authorize the CEO/General Manager to execute the Yuba Accord Amendment 6.

**Attachments**

Yuba Accord Amendment 6

**STATE OF CALIFORNIA**  
**THE RESOURCES AGENCY**  
**DEPARTMENT OF WATER RESOURCES**  
**AND**  
**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT**  
**AMENDMENT 6 TO THE**  
**AGREEMENT FOR THE SUPPLY AND CONVEYANCE OF WATER**  
**BY THE DEPARTMENT OF WATER RESOURCES**  
**OF THE STATE OF CALIFORNIA**  
**TO THE PARTICIPATING STATE WATER PROJECT CONTRACTORS**  
**UNDER**  
**THE DRY YEAR WATER PURCHASE PROGRAM**  
**SWPAO NO. 20-819**

THIS AMENDMENT 6 (Amendment) to the April 1, 2008 “Agreement for the Supply and Conveyance of Water by the Department of Water Resources of the State of California Under the Dry Year Water Purchase Program” (Participation Agreement, or Agreement) is entered into as of \_\_\_\_\_ pursuant to the provisions of the California Water Resources Development Bond Act, the State Central Valley Project Act, and other applicable laws of the State of California, between the Department of Water Resources of the State of California, herein referred to as “DWR,” and the San Bernardino Valley Municipal Water District, a public agency in the State of California, herein referred to as the “AGENCY.” DWR and the AGENCY are herein referred to separately as the “Party” and collectively as the “Parties.” Unless otherwise provided in this Amendment, the definitions in the Agreement, the Yuba Water Purchase Agreement, and the exhibits to that agreement shall apply to this Amendment.

## RECITALS

- A. Under the December 4, 2007 “Agreement for the Long-Term Purchase of Water from Yuba County Water Agency by the Department of Water Resources” (Yuba Water Purchase Agreement), Yuba County Water Agency (Yuba) makes surface water available for delivery and purchase by DWR, some of which is made available through substitution of groundwater for surface flows that would otherwise be used by a number of water districts within Yuba County (Member Units).
- B. In 2007 and 2008, 21 State Water Project (SWP) Contractors and the San Luis & Delta-Mendota Water Authority (“AUTHORITY”) entered into agreements with DWR for the purchase and delivery of the water made available under the Yuba Water Purchase Agreement (cumulatively referred to as the Participation Agreements). In 2014, two additional Participating Contractors entered into Participation Agreements. The Participating SWP Contractors and the AUTHORITY are jointly referred to as “Participating Contractors”.
- C. The Parties amended the Agreement in 2009 (Amendment No. 1 and Amendment No. 2), 2010 (Amendment No. 3), 2012 (Amendment No. 4), and December 2014 (Amendment No. 5).
- D. The term of the Yuba Water Purchase Agreement is through December 31, 2025, or when all obligations thereunder have been satisfied, whichever is later, unless it is terminated earlier.
- E. Under Section 26 of the Yuba Water Purchase Agreement, the current pricing structure for water made available expires on September 30, 2020.
- F. In accordance with Section 15 of the Yuba Water Purchase Agreement, DWR and Yuba, in coordination with representatives of the Participating Contractors, negotiated a new pricing structure that establishes new pricing for the period from October 1, 2020 through September 30, 2025 that was incorporated into the Yuba Water Purchase Agreement by the seventh amendment to that agreement.
- G. In light of the new pricing agreement reflected in the seventh amendment to the Yuba Water Purchase Agreement, the parties to the Participation Agreements desire to amend their respective Participation Agreements to conform with changes made by that amendment. This sixth amendment to the Participation Agreement shall be referred to in this Amendment as “Amendment 6”.



## **AMENDMENT 6 to the Participation Agreement**

**Now Therefore**, the Parties hereby amend the Participation Agreement as follows:

### **1. EFFECTIVE DATE OF AMENDMENT**

Amendment 6 to the Participation Agreement shall take effect when all of the following have occurred: (i) execution by the Parties; (ii) execution of the same or substantively similar amendments by DWR and all other Participating Contractors that elect to participate beyond December 31, 2020; and (iii) execution of the seventh amendment to the Yuba Water Purchase Agreement by DWR and Yuba.

### **2. SECTION 2.B, “TERM OF THE AGREEMENT”, is amended to read as follows:**

“B. Notwithstanding Subparagraph A, the Parties may terminate the Participation Agreement on December 31, 2025, if they fail to amend the Participation Agreement pursuant to Section 3.B.5 and as necessary to address amendments made to the Yuba Water Purchase Agreement regarding the quantity and pricing of Water to be made available by Yuba after September 30, 2025 pursuant to Section 15 of the Yuba Water Purchase Agreement.

### **3. CHANGES TO SECTION 3, “PURCHASED WATER”**

#### **a. Section 3.B, “TYPES AND PRICES OF PURCHASED WATER”, is amended to read as follows:**

The AGENCY shall pay for Delivered Transfer Water made available to and accepted by the Agency under section 3.A above in accordance with the following sections, provided that, the first increment of Delivered Transfer Water provided on or after October 1, 2020, will be paid for according to the pricing schedule listed in Amendment 5 of this Agreement (which is \$50 in a Wet Water Year, \$100 in an Above-Normal Water Year, \$150 in a Below-Normal Water Year, \$200 in a Dry Water Year, \$300 in a Critical Water Year and \$350 in a Consecutive Dry Water Year), which payment will be applied as a credit against the remaining balance of the advance deposit of \$20 million (provided for in Amendment 5), until full crediting of the \$20 million advance deposit, at which time the pricing under this Amendment will be used.

#### **b. Section 3.B.1.a, “COMPONENT 1 WATER”, is amended to read as follows:**

- “a. For Component 1 Water that is accounted for as Purchased Water and made available to the AGENCY, the AGENCY will pay:
- i. \$64 per acre-foot in a Wet Year;
  - ii. \$128 per acre-foot in an Above Normal Year;

- iii. \$191 per acre-foot in a Below Normal Year;
- iv. \$255 per acre-foot in a Dry Year, except as provided in subsection vi;
- v. \$383 per acre-foot in a Critical Year, except as provided in subsection vi;
- vi. \$447 per acre-foot in two or more consecutive Final Classification Dry Years (or a Dry Year following a Critical Year) or in two or more consecutive Final Classification Critical Years (or a Critical Year following a Dry Year).
- vii. Notwithstanding subsections i-vi, in any year in which Yuba's Third-Party Transfer of up to 10,000 acre-feet of Storage Component water under Section 11 of the Yuba Water Purchase Agreement reduces the quantity of Component 2 Water available to the AGENCY, the price for Component 1 Water will reflect the reductions specified in Section 11.F.2 of such agreement."

**c. Section 3.B.2, "COMPONENT 2 WATER", is amended to read as follows:**

"For Component 2 Water that is accounted for as Purchased Water and made available to the AGENCY, the AGENCY will pay 80 percent of the amounts in Section 3.B.1, as amended."

**d. Section 3.B.3, "COMPONENT 3 WATER", is amended to read as follows:**

"For Component 3 Water that is accounted for as Purchased Water and made available to the AGENCY, the AGENCY will pay:

- a. \$64 per acre-foot in a Wet Year;
- b. \$128 per acre-foot in an Above Normal Year;
- c. \$191 per acre-foot in a Below Normal Year;
- d. \$255 per acre-foot in a Dry Year, except as provided in subsection f;
- e. \$383 per acre-foot in a Critical Year, except as provided in subsection f;
- f. \$447 per acre-foot in two or more consecutive Final Classification Dry Years (or a Dry Year following a Critical Year) or in two or more consecutive Final Classification Critical Years (or a Critical Year following a Dry Year)."

**e. Section 3 is amended to add Section 3.B.7, "Price for Fall Delivered Water:**

"Component 1, 2, 3, and 4 Water that is accounted as delivered in the months of October and November will be priced using the determination of Water Year that was in effect prior to September 30<sup>th</sup> of that year."

**4. NO OTHER CHANGES**

All remaining provisions of the Agreement that are not changed by this Amendment will remain in full force and effect. Nothing in this Amendment affects the payment provisions of the Agreement through September 30, 2020.

**5. COUNTERPARTS OF THE AGREEMENT**

This Amendment may be signed in any number of counterparts by the Parties,

each of which will be deemed to be an original, and all of which together will be deemed to one and the same instrument. This Amendment, if executed in counterparts, will be valid and binding on a Party as if fully executed all in one copy.

**IN WITNESS WHEREOF**, the Parties hereto, by their authorized representatives,  
have executed this Amendment on the last date set forth below.

Approved as to legal form  
and sufficiency:

STATE OF CALIFORNIA  
DEPARTMENT OF WATER RESOURCES

\_\_\_\_\_  
Spencer Kenner  
Chief Counsel

\_\_\_\_\_  
Ted Craddock  
Deputy Director

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

Approved as to legal form  
and sufficiency:

SAN BERNARDINO VALLEY  
MUNICIPAL WATER DISTRICT

\_\_\_\_\_  
Name  
Counsel

\_\_\_\_\_  
Heather Dyer  
General Manager

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date



---

**DATE:** September 15, 2020  
**TO:** Board of Directors  
**FROM:** Matthew Howard, Water Resources Senior Project Manager  
**SUBJECT:** Consider USGS Data Collection Program for Fiscal Year 2020 – 2021

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This item was discussed at the Resources Workshop on September 3, 2020. Those Board members in attendance asked that it be placed on a Board of Directors agenda for consideration.

Staff is recommending approval of Valley District’s annual contract with the United States Geological Survey (USGS) for data monitoring and collection in support of the Western-San Bernardino Watermaster, Santa Ana River Watermaster, and the Habitat Conservation Plan at a total cost of \$1,024,230. The USGS is contributing a total of \$159,000 leaving a remainder of \$865,230 to be paid by Valley District and its partners. Valley District will be reimbursed \$196,188 resulting in Valley District’s net contribution being \$669,042.

**BACKGROUND**

For decades Valley District has been a “cooperator” with the United States Geological Survey (USGS). As a cooperator, Valley District has shared, or cooperated, in the cost for the USGS to monitor streamflow’s in the upper portion of the Santa Ana River watershed along with precipitation levels and ground water levels in the Valley District service area. The cost sharing arrangement between Valley District and USGS has fluctuated over the years based upon the amount Congress allocates to the USGS in the Federal budget. The data collected under this program is utilized by both the Santa Ana River Watermaster and the Western – San Bernardino Watermaster to fulfill their court-ordered responsibilities. The data is also used to support various Valley District projects, the Upper Santa Ana River Habitat Conservation Plan

(HCP) and for the development of the Basin Technical Advisory Committee (BTAC) Regional Water Management Plan.

The Federal government's fiscal year does not match Valley District's fiscal year. As a result, the standard practice has been for Valley District to include a line item in its fiscal year budget for this work and then to present the proposed contract to the Board for consideration at a later date.

The draft contract for the fiscal year 2020-2021 data collection program is attached which includes an overall 8.4% cost decrease over last year. This year's program is \$1,024,230 as compared to the cost of last year's program, \$1,117,790. The USGS is contributing a total of \$159,000 leaving a remainder of \$865,230 to be paid by Valley District and its partners. Valley District will be reimbursed \$196,188 by the other Watermaster parties resulting in Valley District's net contribution being \$669,042, a \$67,313 decrease over last year. The cost decrease is due to the change in USGS fiscal year for this program which results in a one-time reduction in the monitoring period to 11 months. The form of the agreement is essentially the same as previous versions which was reviewed by House Counsel and approved, as to form.

**Fiscal Impact:**

Valley District would be reimbursed \$196,188 by the other Watermaster parties resulting in Valley District's net contribution being \$669,042. The cost for Valley District's portion of this project was included in line item 6350 United States Geological Survey in the Valley District General Fund Budget for fiscal year 2020-21.

**Recommendation:**

Authorize the General Manager to sign the cooperative program Joint Funding Agreement with the United States Geological Survey for the fiscal year 2020-2021 data collection program for \$865,230. Valley District will invoice the other Watermaster parties for a total of \$196,188 resulting in Valley District's net contribution being \$669,042.

**Attachment:**

U.S. Department of the Interior U.S. Geological Survey Joint Funding Agreement For Water Resource Investigations, Agreement # 21ZGJFA03100

California Water Science Center  
6000 J Street, Placer Hall  
California State University  
Sacramento, California 95819-6129  
Phone: (916) 278-3000 Fax: (916) 278-3070  
<https://ca.water.usgs.gov>

July 30, 2020

Mrs. Heather Dyer, Chief Executive Officer/General Manager  
San Bernardino Valley Municipal Water District  
380 East Vanderbilt Way  
San Bernardino, California 92408

Attn: Bob Tincher

Dear Mrs. Dyer:

This letter confirms discussions between our respective staffs, concerning the continuation of our cooperative water resources program between the San Bernardino Valley Municipal Water District (SBVMWD), and the U.S. Geological Survey (USGS) for the 2021 WY covering the period November 1, 2020 to September 30, 2021.

To improve financial management processes, the USGS is shifting the period of all monitoring program agreements to the Federal or cooperator fiscal year. Because the previous agreement period is from November 1 through October 31, this new agreement will end on September 30 for an 11 month program, and the next agreement period will be from October 1 through September 30.

Changes to the SBVMWD WY21 program from the WY20 are as follows:

Element 1:

- Customer Matching Funds (CMF) were reduced due to stagnate Federal Funding over the last ten years. CMF for Element 1 were reduced from \$122,550 in WY 2020 to \$113,920 in WY 2021. The CMF of \$113,920 will remain flat for the upcoming years unless there is a change in Federal Funding coming in.
- Standard Gage Costs remain the same as WY 2020.
- Due to the 11 month Joint Funding Agreement (JFA), costs for SBVMWD were reduced from \$122,550 to \$113,920 which is a decrease of 7.0%. Please keep in mind that the increase for next year will be inflated due to going back to a 12 month agreement.

Element 2:

- No cost increases to the standard costs.
- Costs reflect an 11 month JFA.

**Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD**

- Costs for SBVMWD in Element 2 dropped from \$564,990 to \$518,210, which is a decrease of 8.3%.

Element 3:

- No cost increases to the standard costs.
- Costs reflect an 11 month JFA.

**1. Watermaster Data-Collection Program**

The USGS will continue to operate and maintain the gaging stations, water-quality monitors, and precipitation sites in the upper Santa Ana River Basin.

Enclosure 1 summarizes the Watermaster Service Program for this period including the costs for each of the stations. Total cost for the data collection portion of the program is \$452,510. Cost to SBVMWD is \$338,590. Subject to the availability of Federal Matching Funds, the USGS will contribute \$113,920.

**2. Ground-Water-Level Monitoring**

Total cost for the water level monitoring portion of the program will be \$563,290 and will include maintaining the network. Cost to SBVMWD is \$518,210. Subject to the availability of Federal Matching Funds, the USGS will contribute \$45,080.

Bunker Hill Basin (Enclosure 2)

The USGS will continue to operate and maintain eight multiple-depth monitoring-well sites located in the Bunker Hill Basin with continuous-recording water-level monitors. Each of these sites consists of three to six well casings, with monitoring to be accomplished using pressure-transducers, unless otherwise noted. All sites are equipped with data collection platforms and transmit data hourly to NWIS. Additionally, the USGS will continue to measure monthly water-levels at the “Heap Well” located in the basin. See Enclosure 2 for sites and corresponding well numbers. Total cost for the data collection portion of the program is \$128,360. Cost to SBVMWD is \$118,560. Subject to the availability of Federal Matching Funds, the USGS will contribute \$9,800.

Bunker Hill High Groundwater Area (Enclosure 3)

The USGS will continue to operate and maintain ten multiple-depth monitoring-well sites located in the historically high ground-water area of the Bunker Hill basin with continuous-recording water-level monitors. Each of these sites consists of three to six well casings, with monitoring to be accomplished using pressure-transducers, unless otherwise noted. Data collected is retrieved from electronic data-loggers during scheduled site visits and manually uploaded to NWIS. See Enclosure 3 for sites and corresponding well numbers.

Total cost for the data collection portion of the program is \$136,960. Cost to SBVMWD is \$125,760. Subject to the availability of Federal Matching Funds, the USGS will contribute \$11,200.



**Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD**

Rialto/Colton Basin (Enclosure 4)

The USGS will continue to operate and maintain ten multiple-depth monitoring-well sites located in the Rialto/Colton Basin with continuous-recording water-level monitors. Each of these sites consists of four to six well casings, with monitoring to be accomplished using pressure-transducers, unless otherwise noted. Four of the multiple-depth monitoring-well sites equipped with data collection-platforms and transmit data hourly to NWIS, the remaining six have data collected from electronic data-loggers during scheduled site visits and uploaded manually into NWIS. Additionally, the USGS will continue to measure monthly water-levels at seven multiple-depth monitoring-well sites in the basin. See Enclosure 4 for sites and corresponding well numbers.

Total cost for the data collection portion of the program is \$231,120. Cost to SBVMWD is \$212,080. Subject to the availability of Federal Matching Funds, the USGS will contribute \$19,040.

Yucaipa Basin (Enclosure 5)

The USGS will continue to operate and maintain four multiple-depth monitoring-well sites located in the Yucaipa Basin with continuous-recording water-level monitors. Each of these sites consists of between four to five well casings, with monitoring to be accomplished using pressure transducers, unless otherwise noted. All sites are equipped with data collection platforms and transmit data hourly to NWIS. See Enclosure 5 for sites and corresponding well numbers.

Total cost for the data collection portion of the program is \$66,850. Cost to SBVMWD is \$61,810. Subject to the availability of Federal Matching Funds, the USGS will contribute \$5,040.

**3. Habitat Conservation Plan**

In WY17 the USGS installed and began the operation and maintenance of a new site as part of SBVMWD's Habitat Conservation Plan. The site is located adjacent to the Rapid Infiltration and Extraction facility (RIX) outfall on the Santa Ana River and will measure stage only in the gage pool below the outfall. Data will be collected at 5 minute intervals and transmitted every 15 minutes to NWIS.

<u>Station number and name</u>	<u>SBVMWD Funds</u>	<u>USGS Funds</u>	<u>Total Funds</u>
11066320 RIX Outflow at Santa Ana River near Grand Terrace	\$8,430	\$-0-	\$8,430

Total cost for the Habitat Conservation Plan portion of the program is \$8,430. There are no Federal Matching Funds available for this portion of the program, so the total cost is the responsibility of the SBVMWD.

The proposed program for the subject period and associated costs are as follows:

Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD

<u>Program Element</u>	<u>SBVMWD Funds</u>	<u>USGS Funds</u>	<u>Total Funds</u>
1. Watermaster Data-Collection Program	\$338,590	\$113,920	\$452,510
2. Ground-Water Level Monitoring Program – Ongoing Network	518,210	45,080	563,290
3. Habitat Conservation Plan	8,430	-0-	8,430
<b>TOTAL</b>	<b>\$865,230</b>	<b>\$159,000</b>	<b>\$1,024,230</b>

Total cost of the proposed program is \$1,024,230. Cost to SBVMWD will be \$865,230. The USGS, subject to the availability of Federal Matching Funds, will contribute \$159,000. Costs for SBVMWD were reduced from \$945,690 in 2020 WY to \$865,230, which is a 8.5% decrease in Cooperator Funds.

Enclosed are two originals of Joint Funding Agreement (JFA) 21ZGJFA03100, signed by our agency, for your approval. If you are in agreement with this proposed program, please return one fully executed JFA to our office. Work performed with funds from this agreement will be conducted on a fixed-price basis. Billing for this agreement will be rendered quarterly.

The USGS is required to have an agreement in place prior to any work being performed on a project. We request that a fully executed JFA be returned prior to November 1, 2020. If it is not received by November 1, we will be required to suspend operations until an agreement is received.

If you have any questions concerning this program, please contact Al Caldwell, Acting Associate Director for Data, at (619) 225-6103, or Jonathan Newby, Redlands Field Office Chief, at (909) 798-3272. If you have any administrative questions, please contact Janee Hiett, in our Sacramento Office, at (916) 278-3001.

Sincerely,

Eric G. Reichard  
Director, USGS California Water Science Center

Enclosures

cc: Al Caldwell, USGS CAWSC  
Scott Patterson, USGS CAWSC

**Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD**

Enclosure 1

Proposed Program - November 1, 2020 to September 30, 2021

**WATERMASTER SERVICE  
Santa Ana River - Fiscal Year 2021  
Agreements with USGS for Surface-Water Measurements and Quality Monitoring**

Type	Station Number	Station Name	Full Year Cost	Adjustment to end Sept 30 (11/12s)	USGS Funds	Cooperator Funds
SW	11051499 <sup>B</sup>	SANTA ANA R NR MENTONE (RIVER ONLY) CA	\$23,750	\$21,770	\$7,330	\$14,440
SW	11051502 <sup>B</sup>	SAR SUPP GAGE NR MENTONE CA	\$14,250	\$13,060	\$4,750	\$8,310
SW	11055000 <sup>D</sup>	MILL C NR MENTONE CA	\$16,950	\$15,540	\$0	\$15,540
SW	11055500	PLUNGE C NR EAST HIGHLANDS CA	\$23,750	\$21,770	\$7,330	\$14,440
SW	11055700	City Creek Canal near Highland	\$14,250	\$13,060	\$4,750	\$8,310
SW	11057500 <sup>G</sup>	San Timoteo Creek near Loma Linda	(FPS)	\$0	\$0	\$0
SW	11055800	CITY C NR HIGHLAND CA	\$23,750	\$21,770	\$7,330	\$14,440
SW	11058500	E TWIN C NR ARROWHEAD SPRINGS CA	\$23,750	\$21,770	\$7,330	\$14,440
SW	11058600	WATERMAN CANYON CREEK NR ARROWHEAD SPRINGS CA	\$23,750	\$21,770	\$7,330	\$14,440
SED	11059300	SANTA ANA RIVER AT E STREET near San Bernardino	\$16,850	\$16,850	\$0	\$16,850
SW	11060400	WARM C NR SAN BERNARDINO CA	\$23,750	\$21,770	\$7,330	\$14,440
SW	11061000 <sup>C</sup>	Fontana UWC Infiltration line near Fontana (MVW)	\$5,800	\$5,320	\$1,850	\$3,470
SW	11062000	Lytle Creek near Fontana	(FPS)	\$0	\$0	\$0
SW	11062399 <sup>A</sup>	Fontana UWC Surface Diversion near Fontana	\$7,900	\$7,240	\$0	\$7,240
SW	11062400 <sup>A</sup>	Fontana UWC Surface Diversion near Fontana	\$7,900	\$7,240	\$0	\$7,240
SW	11062450 <sup>A</sup>	Fontana PH forebay Spillway near Fontana	\$15,800	\$14,480	\$0	\$14,480
SW	11062700 <sup>F</sup>	Lytle Creek Diversion to Fontana Powerhouse AVM near Fontana	\$1,400	\$1,280	\$0	\$1,280
SW	11062800 <sup>A</sup>	Fontana UWC Return from Afterbay	\$15,800	\$14,480	\$0	\$14,480
SW	11063510	CAJON C BL LONE PINE C NR KEENBROOK CA	\$23,750	\$21,770	\$7,330	\$14,440
SW	11063680	DEVIL CYN C NR SAN BERNARDINO CA	\$23,750	\$21,770	\$7,330	\$14,440
SW	11065000	LYTLE C A COLTON CA	\$23,750	\$21,770	\$7,330	\$14,440
SW	11066460 <sup>A</sup>	SANTA ANA R A MWD CROSSING CA	\$23,750	\$21,770	\$7,330	\$14,440
SW	11066460 <sup>B</sup>	SANTA ANA R A MWD CROSSING CA	\$9,250	\$8,480	\$2,800	\$5,680
QW	11066460	SANTA ANA R A MWD CROSSING CA	\$13,850	\$12,700	\$4,480	\$8,220
SW	11071900	Temescal Creek at Corona Lake near Corona	\$15,800	\$14,480	\$0	\$14,480
SW	11072100	Temescal Creek above Main Street near Corona	\$23,750	\$21,770	\$7,330	\$14,440
SW	11073360 <sup>A</sup>	Chino Creek at Shaefer Avenue	\$23,750	\$21,770	\$7,330	\$14,440
SW	11073495 <sup>A</sup>	Cucamonga Creek near Mira Loma	\$23,750	\$21,770	\$7,330	\$14,440
SW	340742117161701	Gilbert Street Precipitation Gage at San Bernardino	\$9,200	\$8,430	\$0	\$8,430
SW	340526116561301	Mill Creek Precipitation near Forest Falls	\$9,200	\$8,430	\$0	\$8,430
SW	341429116583101	Big Bear Lake Precipitation near Big Bear	\$9,200	\$8,430	\$0	\$8,430
SW	341509117312601 <sup>E</sup>	Middle Fork Lytle Creek Precipitation Gage near Lytle Creek	(FPS)	\$0	\$0	\$0
SW	11074000 <sup>B,D,E,G &amp; H</sup>	Santa Ana River below Prado Dam	(FPS)	\$0	\$0	\$0
		Extra Measurements in WY21	(OCWD)	N/A	N/A	N/A
		Continuous Temperature and Continuous Conductance	(OCWD)	N/A	N/A	N/A
		Bi-monthly sampling for TDS	(OCWD)	N/A	N/A	N/A
		Mean Conductance Computation	(OCWD)	N/A	N/A	N/A

**Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD**

SW	11077500	Santiago Creek near Santa Ana	(OCWD)	N/A	N/A	N/A
SW	11078000 <sup>A,E &amp; H</sup>	Santa Ana River at Santa Ana	(OCWD)	N/A	N/A	N/A
		<b>TOTALS=</b>	\$492,150	\$452,510	\$113,920	\$338,590

<sup>A</sup> Data furnished quarterly to Watermaster.

<sup>B</sup> Data furnished monthly to Watermaster.

<sup>C</sup> Reduced Cost based on Magnetic Meter Installation, records provided by Fontana Water Company and reviewed by USGS.

<sup>D</sup> Includes two USGS discharge measurements per month, plus review and publication of measurements made by SBVWCD.

<sup>E</sup> Data used in support of the Santa Ana Watermaster Program.

<sup>F</sup> Data provided annually by Southern California Edison for AVM Quality Check/Review.

<sup>G</sup> Federal Priority Site fully funded by congress.

<sup>H</sup> Funding and pricing for this site is charged to Orange County Water District.

Enclosure 2-5

Basin	Site Name	USGS Site Number	State Well Identification
Bunker Hill	Commerce Center West	340408117165301	001S004W22J001S
		340408117165302	001S004W22J002S
		340408117165303	001S004W22J003S
		340408117165304	001S004W22J004S <sup>2*</sup>
Bunker Hill	Colton Plunge Park	340414117190201	001S004W20H001S
		340414117190202	001S004W20H002S
		340414117190203	001S004W20H003S
		340414117190204	001S004W20H004S
		340414117190205	001S004W20H005S
Bunker Hill	SBVMWD (MUNI) Yard	340439117173902	001S004W22D002S
		340439117173904	001S004W22D004S
		340439117173905	001S004W22D005S <sup>2</sup>
		340439117173906	001S004W22D006S <sup>2</sup>
		340439117173907	001S004W22D007S <sup>2*</sup>
Bunker Hill	Cone Camp	340541117074401	001S002W07Q001S
		340541117074402	001S002W07Q002S
		340541117074403	001S002W07Q003S <sup>5</sup>
		340541117074404	001S002W07Q004S <sup>5</sup>
		340541117074405	001S002W07Q005S <sup>5</sup>
		340541117074406	001S002W07Q006S <sup>3***</sup>
Bunker Hill	Riverview	340503117104101	001S003W15K001S
		340503117104102	001S003W15K002S
		340503117104103	001S003W15K003S
		340503117104104	001S003W15K004S
		340503117104105	001S003W15K005S <sup>2*</sup>
Bunker Hill	Meadowbrook Park	340615117170902	001S004W10B002S
		340615117170903	001S004W10B003S
		340615117170904	001S004W10B004S
Bunker Hill	Garner Street Wells	340655117184004	001S004W04E004S <sup>2*</sup>
		340655117184005	001S004W04E005S <sup>2*</sup>
		340655117184006	001S004W04E006S
Bunker Hill	Sierra High School	340707117162706	001S004W02D006S
		340707117162707	001S004W02D007S
		340707117162708	001S004W02D008S
NA	Heap Well	340632117170501	001S004W03Q001S <sup>1***</sup>
<sup>1</sup> Monthly Observation Only <sup>2</sup> Bi-Monthly Observation Only <sup>3</sup> Water-level just above screen-interval; continuous-record resumed April, 2016 <sup>5</sup> Well obstructed, removed from network until alternate solution can be determined * Dry ** Affected by local pumping, sensor removed, observation only *** Intermittent (dry/wet)			

**Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD**

<b>Basin</b>	<b>Site Name</b>	<b>USGS Site Number</b>	<b>State Well Identification</b>
Bunker Hill (High Groundwater Area)	Rich Dauer Park	340316117174101	001S004W27M001S
		340316117174102	001S004W27M002S
		340316117174103	001S004W27M003S
Bunker Hill (High Groundwater Area)	Elmer Digneo Park	340321117153801	001S004W25E005S
		340321117153802	001S004W25E006S <sup>2*</sup>
		340321117153803	001S004W25E007S
Bunker Hill (High Groundwater Area)	Treatment Plant	340433117171201	001S004W22B009S
		340433117171202	001S004W22B010S <sup>2*</sup>
		340433117171203	001S004W22B011S <sup>2*</sup>
Bunker Hill (High Groundwater Area)	Mill Center	340508117163301	001S004W14E008S
		340508117163302	001S004W14E009S
		340508117163303	001S004W14E010S
		340508117163304	001S004W14E011S
		340508117163305	001S004W14E012S <sup>2*</sup>
		340508117163306	001S004W14E013S <sup>2*</sup>
Bunker Hill (High Groundwater Area)	Orange Show	340509117172401	001S004W15F006S
		340509117172402	001S004W15F007S
		340509117172403	001S004W15F008S <sup>2*</sup>
Bunker Hill (High Groundwater Area)	San Bernardino Valley College	340524117182801	001S004W16C005S <sup>5</sup>
		340524117182802	001S004W16C006S <sup>2*</sup>
		340524117182803	001S004W16C007S <sup>2*</sup>
Bunker Hill (High Groundwater Area)	Burbank Elementary	340538117171401	001S004W10K001S
		340538117171402	001S004W10K002S <sup>2*</sup>
		340538117171403	001S004W10K003S <sup>2*</sup>
Bunker Hill (High Groundwater Area)	Lytle Creek Park	340546117182901	001S004W09L002S
		340546117182902	001S004W09L003S <sup>2*</sup>
		340546117182903	001S004W09L003S <sup>2*</sup>
		340546117182904	001S004W09L003S <sup>2*</sup>
Bunker Hill (High Groundwater Area)	Lena Road	340555117161201	001S004W11K002S
		340555117161202	001S004W11K003S
		340555117161203	001S004W11K004S <sup>2*</sup>
		340555117161204	001S004W11K005S <sup>2*</sup>
		340555117161205	001S004W11K006S
		340555117161206	001S004W11K007S
Bunker Hill (High Groundwater Area)	Feldheim Library	340633117174001	001S004W03N001S
		340633117174002	001S004W03N002S
		340633117174003	001S004W03N003S
		340633117174004	001S004W03N004S
		340633117174005	001S004W03N005S
		340633117174006	001S004W03N006S <sup>2*</sup>

<sup>1</sup>Monthly Observation Only

<sup>2</sup>Bi-Monthly Observation Only

<sup>3</sup>Water-level just above screen-interval; continuous-record resumed April, 2016

<sup>5</sup>Well obstructed, removed from network until alternate solution can be determined

\* Dry

\*\* Affected by local pumping, sensor removed, observation only

\*\*\* Intermittent (dry/wet)

Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD

Basin	Site Name	USGS Site Number	State Well Identification
Rialto/Colton	Rialto High School	340521117212001	001S005W13B001S
		340521117212002	001S005W13B002S
		340521117212003	001S005W13B003S
		340521117212004	001S005W13B004S
		340521117212005	001S005W13B005S
Rialto/Colton	Rialto Avenue	340559117194501	001S004W08E001S
		340559117194502	001S004W08E002S
		340559117194503	001S004W08E003S
		340559117194504	001S004W08E004S
Rialto/Colton	Lilac Park	340606117223801	001S005W11F001S
		340606117223802	001S005W11F002S
		340606117223803	001S005W11F003S
		340606117223804	001S005W11F004S
Rialto/Colton	Cactus Reservoir	340716117230601	001S005W03A003S
		340716117230602	001S005W03A004S
		340716117230603	001S005W03A005S
		340716117230604	001S005W03A006S
		340716117230605	001S005W03A007S
		340716117230606	001S005W03A008S <sup>2*</sup>
Rialto/Colton	Rialto Airport	340800117235901	001N005W34D001S
		340800117235902	001N005W34D002S
		340800117235903	001N005W34D003S
		340800117235904	001N005W34D004S <sup>2*</sup>
Rialto/Colton	Easton Reservoir	340804117221601	001N005W35B001S
		340804117221602	001N005W35B002S
		340804117221603	001N005W35B003S
		340804117221604	001N005W35B004S
Rialto/Colton	Linden Ponds	340914117234901	001N005W22N001S
		340914117234902	001N005W22N002S
		340914117234903	001N005W22N003S
		340914117234904	001N005W22N004S
		340914117234905	001N005W22N005S
		340914117234906	001N005W22N006S <sup>2*</sup>
Rialto/Colton	County Landfill	340814117253501	001N005W29Q001S
		340814117253502	001N005W29Q002S
		340814117253503	001N005W29Q003S
		340814117253504	001N005W29Q004S <sup>2*</sup>
		340814117253505	001N005W29Q005S <sup>2*</sup>
Rialto/Colton	Upper Linden Ponds	340927117242201	001N005W21K001S
		340927117242202	001N005W21K002S
		340927117242203	001N005W21K003S
		340927117242204	001N005W21K004S
Rialto/Colton	Via Bello	341013117253901	001N005W17L001S <sup>2</sup>
		341013117253902	001N005W17L002S <sup>2</sup>
		341013117253903	001N005W17L003S
		341013117253904	001N005W17L004S
		341013117253905	001N005W17L005S
		341013117253906	001N005W17L006S <sup>2*</sup>
Rialto/Colton	Fogg2	340317117190401	001S004W29K001S <sup>1</sup>
		340317117190402	001S004W29K002S <sup>1</sup>
		340317117190403	001S004W29K003S <sup>1</sup>
		340317117190404	001S004W29K004S <sup>1</sup>
		340317117190405	001S004W29K005S <sup>1*</sup>
Rialto/Colton	Fogg1	340326117185301	001S004W29H004S <sup>1</sup>
		340326117185302	001S004W29H005S <sup>1</sup>
		340326117185303	001S004W29H006S <sup>1</sup>
		340326117185304	001S004W29H007S <sup>1</sup>
		340326117185305	001S004W29H008S <sup>1*</sup>
Rialto/Colton	Hughbanks School	340826117224201	001N005W26L001S <sup>1*</sup>
Rialto/Colton	Vinyard/Linden	340828117240102	001N005W28J002S <sup>1</sup>
		340828117240103	001N005W28J003S <sup>1*</sup>
Rialto/Colton	Rialto/Colton SW	340829117284301	001N006W26K002S <sup>1</sup>
		340829117284302	001N006W26K003S <sup>1</sup>
Rialto/Colton	Rialto/Colton NE	340851117281901	001N006W26A001S <sup>1</sup>
		340851117281902	001N006W26A002S <sup>1</sup>
		340851117281903	001N006W26A003S <sup>1</sup>
Rialto/Colton	Highway 30	340854117235102	001N005W27D002S <sup>1</sup>
		340854117235104	001N005W27D003S <sup>1***</sup>

<sup>1</sup>Monthly Observation Only

<sup>2</sup>Bi-Monthly Observation Only

<sup>3</sup>Water-level just above screen-interval; continuous-record resumed April, 2016

<sup>5</sup>Well obstructed, removed from network until alternate solution can be determined

\*Dry

\*\* Affected by local pumping, sensor removed, observation only

\*\*\* Intermittent (dry/wet)

**Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD**

Basin	Site Name	USGS Site Number	State Well Identification
Yucaipa	Equestrian Park	340046117020801	002S002W12H001S
		340046117020802	002S002W12H002S
		340046117020803	002S002W12H003S
		340046117020804	002S002W12H004S
Yucaipa	Dunlap Acres	340130117054901	002S002W04L002S
		340130117054902	002S002W04L003S <sup>2**</sup>
		340130117054903	002S002W04L004S
		340130117054904	002S002W04L005S
		340130117054905	002S002W04L006S
Yucaipa	6th and E	340136117033901	002S002W02F002S
		340136117033902	002S002W02F003S
		340136117033903	002S002W02F004S
		340136117033904	002S002W02F005S
		340136117033905	002S002W02F006S
Yucaipa	Wilson Creek	340248117020901	001S002W36A002S
		340248117020902	001S002W36A003S
		340248117020903	001S002W36A004S
		340248117020904	001S002W36A005S
<sup>1</sup> Monthly Observation Only <sup>2</sup> Bi-Monthly Observation Only <sup>3</sup> Water-level just above screen-interval; continuous-record resumed April, 2016 <sup>5</sup> Well obstructed, removed from network until alternate solution can be determined * Dry ** Affected by local pumping, sensor removed, observation only *** Intermittent (dry/wet)			



**Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD**



**United States Department of the Interior**

**U.S. GEOLOGICAL SURVEY**  
California Water Science Center  
6000 J Street, Placer Hall  
Sacramento, CA 95819

August 17, 2020

Mrs. Heather Dyer, Chief Executive Officer/General Manager  
San Bernardino Valley Municipal Water District  
380 East Vanderbilt Way San  
Bernardino, California 92408

Dear Mrs. Dyer:

Enclosed are two signed originals of our standard joint-funding agreement for the project(s) California Water Science Center Water Resources Investigations, during the period November 1, 2020 through September 30, 2021 in the amount of \$865,230 from your agency. U.S. Geological Survey contributions for this agreement are \$159,000 for a combined total of \$1,024,230. Please sign and return one fully-executed original to Janee Hiatt at the address above.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by November 1, 2020. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Jonathan Newby by phone number (909) 798-3272 or email [jnewby@usgs.gov](mailto:jnewby@usgs.gov) to make alternative arrangements.

This is a fixed cost agreement to be billed quarterly via Down Payment Request (automated Form DI-1040). Please allow 30-days from the end of the billing period for issuance of the bill. If you experience any problems with your invoice(s), please contact David Penisten at phone number (916) 278-9200 or email at [dpenisten@usgs.gov](mailto:dpenisten@usgs.gov).

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

Eric Reichard  
Director, USGS California Water Science  
Center

Enclosures  
21ZGJFA03100 (2)

# Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD

FBMS Customer Number 600000809

SO Number \_\_\_\_\_

Agreement/PO Number 21ZGJFA03100

## NON-FEDERAL CHECKLIST

**Elements of Agreement.** All elements on the checklist must be included in the agreement package when applicable. Indicate by N/A if the element is not applicable. Each section must be verified by initialing on the line provided. The items where a check mark exists in the Page # column are mandatory and the page number must be provided to identify where the element can be found in the agreement package. The agreement package consists of the signed agreement and/or modification; cover/acceptance letter, addendum, or email; completed and signed reimbursable agreement checklist; and any other supporting documentation (e.g., exception memo, special rate approval).

<b>NON-FEDERAL CUSTOMER INFORMATION SECTION:</b>		
<i>Initials:</i> _____		
	<i>Page #</i>	<i>Comments</i>
1) Agreement/PO Number	√ 1	21ZGJFA03100
2) Name of Organization	√ 1	San Bernardino Valley Municipal Water District
3) TIN (excluding foreign)	√ 1	95-6005196
4) DUNS Number (if available)	√ N/A	
5) Point of Contact	2	
6) Address	2	,
7) Office phone, Fax and/or Email	2	
8) Signature(s) and Date(s)	√ 2	
<b>USGS INFORMATION SECTION:</b>		
<i>Initials:</i> _____		
	<i>Page #</i>	<i>Comments</i>
1) Organization and Cost Center	√ 1	California Water Science Center
2) Legal authority to enter into agreement	√ 1	Must be in the Agreement Package; 43 USC 36C; 43 USC 50, and 43 USC 50b
3) Project Chief/Principal Investigator	2	Jonathan Newby
4) Address	2	1653 Plum Lane , Redlands CA 92374
5) Office phone, Fax and/or Email	2	(909) 798-3272 / (909) 335-3407 / jnewby@usgs.gov
6) Signature(s) and Date(s)	√ 2	Is Agreement signed in accordance with Financial Delegations of Authority? For Non-Standard JFAs see SM 205.13.A
<b>SCOPE OF WORK SECTION:</b>		
<i>Initials:</i> _____		
	<i>Page #</i>	<i>Comments</i>
1) Period of Performance	√ 1	Start & End Date: 11/1/2020 – 9/30/2021
2) Description of Services and Responsibilities	1	
3) Agreement Deliverables (if applicable)		
4) Authority to Publish (if applicable)	√ 1	
5) If in-kind services provided, describe in agreement including amount (if applicable)		Voucher must be sent in with agreement. If not currently available., date you plan to forward to OAFM/FM
6) Equipment/Property requirements or restrictions (if applicable)		
7) Multiple Tasks (if applicable)		
<b>FUNDING INFORMATION SECTION:</b>		
<i>Initials:</i> _____		
	<i>Page #</i>	<i>Comments</i>
1) Total Amount of Agreement	√ 1	USGS \$159,000 / Cust \$865,230
2) Modification Number (if applicable)	√	
3) Amount of Modification (if applicable)	√	
4) Fixed Cost (if applicable)	√ 1	fixed
5) Funding Limitations	√	Yes / No and include page # if yes
<b>BILLING INFORMATION SECTION:</b>		
<i>Initials:</i> _____		
	<i>Page #</i>	<i>Comments</i>
1) Billing Address/Contact/Office Phone	√ 2	/ ,
2) Frequency of Billing	√ 2	(Circle One) Monthly, Quarterly, Semi-annual, Annual
3) Mandatory Termination Clause	√ 1	
<b>INTERNAL INFORMATION SECTION:</b>		
<b>Miscellaneous (if Applicable):</b>		
		<i>If Applicable:</i>
1) OPA Approval (if applicable)		
2) Conflict of Interest (COI) Form - (as applicable for Private Entities)		Must be available at Cost Center
3) Cost Share		Must be available at Cost Center
4) Special/Reduced Rate Approval		Must be scanned in FBMS for FM approval
5) Cover/Acceptance Letter		Copy of official letter to accept funds, state authority to publish, reimbursable, etc., must be filed with the agreement at the Center
6) Supports USGS Program		Write In – Functional Area: <b>G40CP0000</b>
7) Cost Calculations for Direct/Indirect Costs		Must be available at Cost Center

**Project Chief/Principal Investigator (Name/Phone/Signature)**  
Jonathan Newby (909) 798-3272

**Date** Aug 17, 2020

**Cost Center Financial Reviewer (Name/Phone/Signature)**  
Janee Hiatt (916) 278-3001

**Date** Aug 17, 2020

**Form 9-1366  
(May 2018)**

**U.S. Department of the Interior  
U.S. Geological Survey  
Joint Funding Agreement  
FOR  
Water Resource Investigations**

**Customer #: 600000809  
Agreement #: 21ZGJFA03100  
Project #:  
TIN #: 95-6005196**

**Fixed Cost Agreement YES[ X ] NO[ ]**

THIS AGREEMENT is entered into as of the November 1, 2020, by the U.S. GEOLOGICAL SURVEY, California Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the San Bernardino Valley Municipal Water District party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation Water Resource Investigations (per attachment), herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of \$0.00

- (a) \$159,000 by the party of the first part during the period November 1, 2020 to September 30, 2021
- (b) \$865,230 by the party of the second part during the period November 1, 2020 to September 30, 2021
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of: \$0

Description of the USGS regional/national program:

- (d) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
- (e) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program, and if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties. The Parties acknowledge that

**Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD**

scientific information and data developed as a result of the Scope of Work (SOW) are subject to applicable USGS review, approval, and release requirements, which are available on the USGS Fundamental Science Practices website (<https://www.usgs.gov/about/organization/science-support/science-quality-and-integrity/fundamental-science-practices>).

**Form 9-1366  
(May 2018)**

**U.S. Department of the Interior  
U.S. Geological Survey  
Joint Funding Agreement  
FOR  
Water Resource Investigations**

**Customer #: 600000809  
Agreement #: 21ZGJFA03100  
Project #:  
TIN #: 95-6005196**

9. Billing for this agreement will be rendered **quarterly**. Invoices not paid within 60 days from the billing date will bear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

**USGS Technical Point of Contact**

Name: Jonathan Newby  
Hydrologic Technician  
Address: 1653 Plum Lane  
Redlands, CA 92374  
Telephone: (909) 798-3272  
Fax: (909) 335-3407  
Email: jnewby@usgs.gov

**Customer Technical Point of Contact**

Name: Mr. Bob Tincher  
Deputy General Manager – Resources  
Address: 380 East Vanderbilt Way  
San Bernardino, CA 92408  
Telephone: (909) 387-9215  
Fax:  
Email: Bobt@sbgmwd.com

**USGS Billing Point of Contact**

Name: David Penisten  
Supervisory Budget Analyst  
Address: Placer Hall 6000 J Street  
Sacramento, CA 95819  
Telephone: (916) 278-9200  
Fax:  
Email: dpenisten@usgs.gov

**Customer Billing Point of Contact**

Name: Cindy Saks  
Deputy General Manager - Finance  
Address: 380 East Vanderbilt Way  
San Bernardino, CA 92408  
Telephone: (909) 387-9247  
Fax:  
Email: Cindys@sbgmwd.com

**Mrs. Heather Dyer, General Manager San Bernardino Valley Municipal WD**

**U.S. Geological Survey  
United States  
Department of Interior**

**San Bernardino Valley Municipal Water District**

**Signature**

**Signatures**

**By** \_\_\_\_\_ **Date:** 08/17/2020  
**Name:** Eric Reichard  
**Title:** Director, USGS California Water Science Center

**By** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Name:**  
**Title:**

**By** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Name:**  
**Title:**

**By** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Name:**  
**Title:**



---

**DATE:** September 15, 2020

**TO:** Board of Directors

**FROM:** Matthew Howard, Water Resources Senior Project Manager  
Bob Tincher, Chief Water Resources Officer/Deputy General Manager

**SUBJECT:** Consider Participation in the Update of the 2015 Upper Santa Ana River Watershed Integrated Regional Water Management Plan and the 2015 San Bernardino Valley Regional Urban Water Management Plan

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This item was discussed at the Engineering Workshop on September 8, 2020, at which time the Directors in attendance recommended it be forwarded to a Board Meeting for Consideration.

Valley District, in cooperation with the retail water agencies that participated in the 2015 update of the Upper Santa Ana River Watershed Integrated Regional Water Management Plan (Integrated Plan) and the 2015 update of the San Bernardino Valley Regional Urban Water Management Plan (Regional Plan), solicited proposals to simultaneously update and combine the Integrated Plan and Regional Plan into a single new document, the *2020 Upper Santa Ana River Integrated Regional Urban Water Management Plan (IRUWMP)*. Three proposals were received and the water agencies are recommending the Water Systems Consulting, Inc. and Woodard Curran (WSC/WC) team at a total cost of \$393,100.

Staff is asking the Board to consider the same cost sharing methodology used for the 2015 updates with Valley District paying 50% of the “regional” sections of the planning document and the retail agencies paying the remainder of the regional sections as well as the cost for their individual chapter of the document. Using this methodology, Valley District’s portion of the cost would be \$120,460. Staff is also recommending the Board consider allowing Valley District to serve as the contracting agency for this project.

## **BACKGROUND**

In January 2007, Valley District and 15 other agencies prepared the original Integrated Plan. The Integrated Plan is a comprehensive planning document that evaluates the area's water resources and develops goals and management strategies to provide a reliable water supply for the Valley District service area. The Integrated Plan also created the Basin Technical Advisory Committee (BTAC) to facilitate implementation and update of the Integrated Plan and to provide a forum for discussion of regional water management. The Integrated Plan was last updated in 2015.

In 2010, nearly all of the retail water agencies in the Valley District service area chose to create the first Regional Plan rather than develop their own individual Urban Water Management Plans (UWMP). The Regional Plan also evaluates the area's water resources and requires each retail water agency to prove that their water supply will be able to withstand a short-term or long-term drought and to show how they are meeting statewide water conservation requirements, among other things. The Regional Plan was last updated in 2015.

The Integrated Plan is updated every 5 years and is due for update in 2020 and the Regional Plan is to be updated every five years, due in years ending in 1 or 6, with the next regular update being due in 2021. Rather than continue updating these overlapping documents independently, Valley District and its partners would like to combine them into a single new document, the *2020 Upper Santa Ana River Integrated Regional Urban Water Management Plan* (IRUWMP).

The vision is that the overlapping sections of the two documents can be combined to create one cohesive document that outlines the region's plans for providing a sustainable water supply while also meeting all of the requirements of both the Urban Water Management Planning Act (Division 6 Part 2.6 of the California Water Code §§10608 – 10656) and the Integrated Regional Water Management Planning Act (Division 6 Part 2.2 of the California Water Code §§10530 – 10546).

Since both documents were updated 5 years ago, this project is essentially an update of both documents while combining them into one cohesive document. In addition to the prescribed UWMP demand/supply scenarios, the wet year scenario added to the last update of the Regional Plan will again be included along with and a new 30-year drought scenario that is more consistent with the length of drought the region may experience based upon past

hydrology. The results of the RAND evaluation of the Regional Plan’s supplies and demands will also be incorporated into this planning process and the new document.

In 2015, the Board agreed to be the contracting agency for both the RUWMP and Integrated Plan which covers the Valley District service area and portions of the Upper Santa Ana River Watershed. The following agencies that have confirmed their participation in the 2020 IRUWMP:

2020 IRUWMP	
IRWMP Agencies	UWMP Agencies
1. Big Bear Lake Department of Water and Power	1. City of Colton
2. Big Bear City Community Services District	2. Big Bear City Community Services District
3. East Valley Water District	3. East Valley Water District
4. Fontana Union Water Company	
5. City of Loma Linda	4. City of Loma Linda
6. City of Redlands	5. City of Redlands
7. City of Rialto	6. City of Rialto
8. City of Riverside Public Utilities Department	7. Riverside Highland Water Company
9. San Bernardino County Flood Control District	
10. San Bernardino Municipal Water Department	8. San Bernardino Municipal Water Department
11. San Bernardino Valley Municipal Water District	9. San Bernardino Valley Municipal Water District
12. San Bernardino Valley Water Conservation District	
13. San Geronio Pass Water Agency	
14. West Valley Water District	10. West Valley Water District
15. City of Yucaipa	
16. Yucaipa Valley Water District	11. Yucaipa Valley Water District

In 2015, The Yucaipa Valley Water District wrote their own chapter of the Regional Plan and submitted it to the consultant for peer review and inclusion into the 2015 Regional Plan.



Yucaipa Valley Water District will use the same approach for the 2020 IRUWMP. The below table generally describes the effort required for their individual agency chapter:

<b>Agency Chapter for UWMP Compliance</b>	<b>Service</b>
City of Colton	Update
East Valley Water District	Update
City of Loma Linda	Update
City of Redlands	Update
City of Rialto	Update
Riverside-Highland Water Company	Update
San Bernardino Municipal Water Department	Update
San Bernardino Valley Municipal Water District	Update
West Valley Water District	Update
Yucaipa Valley Water District	Peer Review

The Department of Water Resources is completing the 2020 Guidebook for the preparation of the 2020 UWMPs which is expected to be released in September. Based upon the information that has been released, to date, the notable changes for the 2020 Integrated Plans and Regional Plans are expected to be:

1. Updated Water Shortage Contingency Plans
  - a. Action plan for drought/catastrophic water supply shortage
  - b. Water supply reliability analysis
  - c. Six standard water shortage stages
  - d. Communication protocols
2. Seismic Risk Assessment
  - a. Seismic risk assessment and Mitigation Plan
  - b. Description of water system vulnerabilities
3. Demand Management Measures
  - a. Water loss information to be provided by each agency
  - b. SB X7-7 look back comparison reporting
4. Drought Risk Assessment
  - a. Five-consecutive-year drought
  - b. 30-year extended drought risk scenario

5. Integrated Plan Updates

- a. Protect and restore important ecosystems
- b. Expand surface/groundwater storage capacity

Three proposals were received, reviewed and ranked by a review team comprised of staff from the San Bernardino Municipal Water Department, San Bernardino Valley Water Conservation District, Yucaipa Valley Water District, and Valley District. The review team also conducted Zoom interviews with each firm. The review team unanimously recommended the selection of Water Systems Consulting, Inc. and Woodard Curran (WSC/WC) which was supported by the rest of the participating agencies. The WSC/WC team was selected based upon their high level of experience preparing Integrated and Regional Plans all over the state and their regional experience preparing the 2015 updates of the Integrated and Regional Plans as well as other studies in our region. A summary of the proposals and their costs are included below:

<b>Firm</b>	<b>Proposal Cost</b>
Water Systems Consulting (WSC)	\$393,100
Firm 2	\$206,400
Firm 3	\$591,510

Firm 2 and Firm 3 were not as experienced developing these type of planning documents which seemed to be reflected in their fees which are significantly higher and lower than the WSC/WC fee.

**Fiscal Impact**

The total cost for this project is \$393,100 and is included in line item 6360 Consultants in the Valley District General Fund Budget for fiscal year 2020-21. After taking into consideration the reimbursement from our partners, Valley District's net cost will be \$120,460.

**Staff Recommendation**

Authorize Valley District to act as the contracting agency for the development of the 2020 Upper Santa Ana River Integrated Regional Urban Water Management Plan (IRUWMP) and authorize the General Manager to execute an agreement with WSC in the total contract amount of \$393,100. Valley District will be reimbursed by the project partners \$120,460.

**Attachments**

- 1. Proposed cost sharing for the 2020 IRUWMP - WSC/Woodard & Curran

2. Excerpt from WSC/Woodard & Curran Proposal for the Upper Santa Ana River Watershed IRUWMP

## 2020 Integrated Regional Urban Water Management Plan Update

Water Systems Consulting/Woodard and Curran Proposal

<u>Total Proposal Cost - WSC</u>	<u>\$393,100</u>
Total Agency Chapters (3)	\$194,580
Total Regional Sections/Tasks (0, 1, 2, 4)	\$198,520
<b>San Bernardino Valley Municipal Water District</b>	<b>\$99,260 50% of Regional Section</b>
Balance Regional sections	\$99,260

### COST SHARING BY AGENCY

Agency	Regional Sections	Agency Urban Chapter	TOTAL PROPOSAL	Total (%)
Big Bear Lake Department of Water and Power	\$ 6,203.75		\$ 6,204	2%
Big Bear City Community Services District	\$ 6,203.75		\$ 6,204	2%
City of Colton	\$ 6,203.75	\$ 21,200	\$ 27,404	7%
City of Loma Linda	\$ 6,203.75	\$ 21,200	\$ 27,404	7%
City of Redlands	\$ 6,203.75	\$ 21,200	\$ 27,404	7%
City of Rialto	\$ 6,203.75	\$ 21,200	\$ 27,404	7%
City of Riverside Public Utilities Department	\$ 6,203.75		\$ 6,204	2%
East Valley Water District	\$ 6,203.75	\$ 21,200	\$ 27,404	7%
Fontana Union Water Company	\$ 6,203.75		\$ 6,204	2%
Riverside-Highland Water Company	\$ 6,203.75	\$ 21,200	\$ 27,404	7%
San Bernardino County Flood Control District	\$ 6,203.75		\$ 6,204	2%
San Bernardino Municipal Water Department	\$ 6,203.75	\$ 21,200	\$ 27,404	7%
San Bernardino Valley Municipal Water District	<b>\$ 99,260.00</b>	\$ 21,200	\$ 120,460	31%
San Bernardino Valley Water Conservation District	\$ 6,203.75		\$ 6,204	2%
San Geronio Pass Water Agency	\$ 6,203.75		\$ 6,204	2%
West Valley Water District	\$ 6,203.75	\$ 21,200	\$ 27,404	7%
Yucaipa Valley Water District	\$ 6,203.75	\$ 3,780	\$ 9,984	3%
<b>TOTAL</b>	<b>\$ 198,520</b>	<b>\$ 194,580</b>	<b>\$ 393,100</b>	<b>100%</b>



**PREPARE THE 2020**  
UPPER SANTA ANA RIVER  
WATERSHED INTEGRATED  
**REGIONAL URBAN WATER MANAGEMENT PLAN**



**Mr. Matthew Howard**

Water Resources  
Senior Project Manager

San Bernardino Valley  
Municipal Water District  
380 East Vanderbilt Way  
San Bernardino, CA 92408  
(909) 387-9230  
MattH@sbgmwd.com

**REGARDING:**

2020 Upper Santa Ana  
River Watershed Integrated  
Regional Urban Water  
Management Plan

**Local WSC Office**

9375 Archibald Ave.  
Suite 200  
Rancho Cucamonga,  
CA 91730  
Phone: (909) 483-3200  
Fax: (909) 354-3482

**WSC's Principal in Charge**

Jeff Szytel <sup>PE, MS, MBA</sup>  
(805) 457-8833, ext. 101  
jszytel@wsc-inc.com

**Dear Mr. Howard,**

Imagine a comprehensive document for guiding water resource management for the Upper Santa Ana River Watershed—a resource the San Bernardino Valley Municipal Water District (Valley District) and your partner agencies turn to again-and-again to support effective decision making, impactful communications and funding for integrated regional water resource solutions. This cohesive planning framework consolidates, updates, and merges the common elements of the Upper Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP) and the San Bernardino Valley Regional Urban Water Management Plan (RUWMP) into a new document: the 2020 Upper Santa Ana River Watershed Integrated Regional Urban Water Management Plan (IRUWMP). Water Systems Consulting (WSC) shares your regional vision for the 2020 IRUWMP, and we will deliver an accessible, clear, comprehensive and compliant plan that creates value greater than sum of its parts. To do this, the WSC team will:

- Create a well organized document structure that is elegant, intuitive, and cohesive.
- Deliver tools and data sets that bring the core of this document to life, empowering effective communication and decision-making for years to come.
- Align related ongoing efforts, such as the Upper Santa Ana Habitat Conservation Plan (HCP) and Santa Ana River Conservation and Conjunctive Use Program (SARCCUP), and others, to build regional momentum and broad-based support for projects and programs.
- Meet existing and new compliance requirements under an ambitious schedule by leveraging our team's work on the 2015 RUWMP and the 2015 IRWMP update, while working proactively with DWR and building compliance back-checks into our process and document.
- Position regional initiatives within the state's evolving water framework, and position Valley District and participating agencies for funding opportunities.

WSC is committed to delivering a successful and valuable 2020 IRUWMP for Valley District and your regional partners. We are proud of all that we have accomplished together over the years, and we see ourselves as your strategic partner in the region. We only succeed if you do, and we are committed to bringing the experience, focus, resources, continuity, and energy needed to make this ambitious project a successful reality.

Sincerely,  
Water Systems Consulting, Inc.



**Jeff Szytel** <sup>PE, MS, MBA</sup>  
Principal In Charge | President



**Jeroen Olthof** <sup>PE, MS, MBA</sup>  
Data Architect | COO

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# A New Vision for Integrated Regional Water Planning

## Project Understanding

The San Bernardino Valley Municipal Water District (Valley District) has several planning documents that guide decision-making, and these documents require periodic updates. Two of Valley District's foundational documents, the Upper Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP) and the San Bernardino Valley Regional Urban Water Management Plan (RUWMP), are both due to be updated. Valley District has envisioned a consolidated update that merges the common elements of these two plans and creates a cohesive planning framework for the future. This document is the Integrated Regional Urban Water Management Plan (IRUWMP), and will be the first of its kind in California.

**The IRWMP was last updated in January of 2015 and is scheduled to be updated every five years.** It describes the region's water supplies and demands, and identifies strategies and projects that can benefit the region's water supply. The IRWMP is a critical document for prioritizing regional investments in water management and facilitating the use of state grant funds for those projects. This update is an opportunity to review the objectives and targets laid out in the 2015 IRWMP and determine if they should be revised to reflect the current water resources management setting. This includes the opportunities to add new projects, determine how implemented projects provide benefits to the region, and to develop new, regional projects. In the 2015 update, these components included significant input from participating agencies. The 2020 update will be equally dependent on the input, information and data that can be provided by participating agencies.

**The RUWMP was last updated in June of 2016 and was subsequently amended with minor revisions in 2017.** The RUWMP is focused on meeting reporting requirements established by the California Department of Water Resources (DWR) to implement the California Water Code. The RUWMP references and duplicates much of the information about regional supplies and water use that was included in the IRWMP. The RUWMP is due to be submitted to DWR by July 1, 2021.

Developing a cohesive IRUWMP will allow Valley District to have a single guiding "road map" for its water supply planning. Having a single document will be more efficient and will allow Valley District to focus on enhancing the document instead of copying and pasting materials back and forth. However, there are several challenges that will need to be overcome for this project to be successful. Primary project challenges are:

- **This document will be the first of its kind:** No California agency has successfully prepared a single document to meet both IRWM and UWMP requirements, and DWR has not yet published final guidance to describe how a plan will be considered compliant.
- **The schedule is very tight:** The team will have approximately seven months to develop a document that presents a shared vision for future projects and strategies with the greatest benefit for the region, while allowing for meaningful engagement and feedback from 16 participating water suppliers and multiple outside stakeholders.
- **The effort will be complex:** The consolidated document will contain a tremendous amount of information, and it may seem cumbersome or unapproachable for users to find the information they are looking for if it is not done right.

**The WSC team has structured its proposed approach to overcome these challenges and deliver a cohesive, high-value, IRUWMP the entire region will benefit from.**

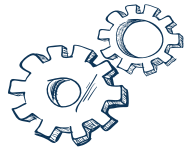


# Approach

The WSC Team will prepare an IRUWMP that creates value for every participating agency, builds trust by reinforcing regional collaboration, delivers regulatory compliance by meeting DWR's requirements, aligns the region around shared data and vision, and envisions the future for integrated water resources management in the upper Santa Ana River (SAR) watershed. These five pillars of our team's approach are summarized below and described in more detail within this section of our proposal.

## WSC's Approach for Valley District's IRUWMP

 <h3>Create &amp; Deliver Value</h3> <p>Focus on value and benefit to Valley District and all participating agencies.</p>	 <h3>Build Trust</h3> <p>Envision and lead an efficient and facilitated process that builds trust, provides transparency, and supports regional engagement.</p>	 <h3>Deliver Compliance</h3> <p>Produce a high-quality document that meets DWR's requirements while setting a new standard for integrated regional planning.</p>	 <h3>Align the Region</h3> <p>Integrate past and ongoing work and align with regional priorities to create a trusted, useful document.</p>	 <h3>Envision the Future</h3> <p>Define projects and programs that create multiple regional benefits, true to the spirit of integrated regional planning.</p>
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## Create and Deliver Value

WSC's primary objective with this project will be to lead a process and deliver a document that is focused on creating value and providing lasting benefits to Valley District and every participating agency. Some of the ways we will create value include:

- **Clear organization supports compliance and communication.** The WSC Team will create a well-organized document structure that provides an elegant and cohesive combination of the related content of both the RUWMP and the IRWMP. See our proposed document structure on the following page.
- **Reader friendly document makes this work accessible.** We will only be satisfied if this document is used and useful for Valley District, your partners, and stakeholders. Writing style will reflect the intended audience, and will be clear, concise, and well documented. Explanatory graphics and tables will be used extensively to reinforce understanding and provide useful reference for subsequent use. The electronic deliverable will be indexed and hyperlinked so that a reader can easily navigate to the sections and content that they need.
- **Useful, integrated tools and data sets support effective decision-making.** We understand this document will not just sit on the shelf, and the document itself is not the only deliverable. Valley District and your partners routinely share data and analysis to support science-based decisions. The WSC Team will deliver tools and data sets that bring the core of this document to life, empowering effective communication and decision-making for years to come.
- **Alignment with related regional efforts builds momentum.** The upper SAR watershed stakeholders are active collaborators and are continually looking for ways to support local and regional needs. By highlighting alignment between related ongoing efforts, such as the Upper Santa Ana Habitat Conservation Plan (HCP), Santa Ana River Conservation and Conjunctive Use Program (SARCCUP), the Sterling Water Resources Center, and others, the IRUWMP builds regional momentum and provides broad-based support for projects and programs that create tremendous regional value.
- **Support of existing needs and efforts makes the most of your time and resources.** The WSC Team will produce an integrated set of tools and data files that Valley District and its partners can use to fulfill reporting requirements, share information with public and private stakeholders, and support related efforts such as the Basin Technical Advisory Committees' (BTAC's) Annual Water Management Report.

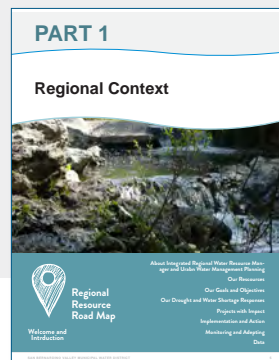


# Delivering

## A Valuable, Comprehensive Guiding Document for Regional Resource Management



The Executive Summary tells the story of the region, its demographics, partnerships, resources, programs, and management strategies. It aligns related efforts to build regional momentum and broad-based support for funding and implementation of regional and local solutions.



### Regional Context

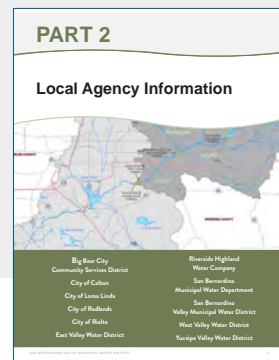
#### contents

1. Introduction
2. Regional Water Sources
3. Regional Water Use, Comparison of Regional Supplies and Demands, Water Budget
4. Goals and Objectives
5. Water Management Strategies Including Regional Water Shortage Contingency Planning
6. Changes in Participating Agency Supply or Demand Projections
7. Projects
8. Implementation
9. Data Management, Plan Performance and Adaptive Management

#### benefits

This section provides an update of the ever-changing regional water resource picture. It aligns the objectives, targets and project list from the 2015 IRWMP to current conditions and aligns the IRWMP update with the Prop. 1 IRWMP requirements.

A critical part of this plan, the Regional Context must be clear, compelling, and compliant to engage stakeholders and partners in future projects and to support future funding and grant opportunities.



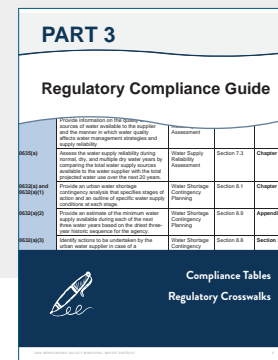
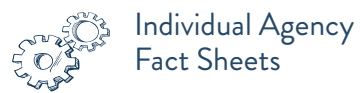
### Local Agency Information

#### contents

- City of Colton
- City of Loma Linda
- City of Redlands
- City of Rialto
- East Valley Water District
- Riverside Highland Water Company
- San Bernardino Municipal Water Department
- San Bernardino Valley Municipal Water District
- West Valley Water District
- Yucaipa Valley Water District
- Big Bear City Community Services District

#### benefits

This section will contain a chapter for each water supplier that is using the IRUWMP to meet their UWMP reporting requirements. The chapters will incorporate information from the 2015 UWMP and reflect changes in water consumption patterns and water conservation activities. They will be tailored to meet the requirements in DWR's 2020 Guidebook for Urban Water Suppliers, a draft of which is expected to be released in September.



### Regulatory Compliance Guide

#### contents

- California Water Code sections addressed by plan

#### UWMP Compliance Guide

1. Compliance Table
2. Regulatory Crosswalk

#### IRWM Compliance Guide

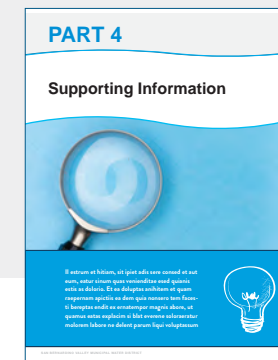
1. Compliance Table
2. Regulatory crosswalk

#### benefits

This section will provide all information needed for DWR and other stakeholders to verify that the document meets relevant requirements. Because the IRUWMP will be a new type of document for some reviewers, this section is intended to provide easy access to where required information can be found.



User-friendly Agency Data Sheets can convey critical agency data to a diverse audience. These fact sheets can be customized to provide a snapshot of water and water resources management for the agency. This could include information on an agency's water supply portfolio, customer base, infrastructure, key programs and initiative, and/or success stories.



### Supporting Information

#### contents

- Groundwater management agreements and judgements (Orange County Judgement, Western San Bernardino Judgement, Lytle Creek Judgement, and Rialto Basin Decree)
- Contracts and agreements documenting water supplies
- Water loss audits
- Notifications of public hearing and document available for public review
- Resolutions of adoption
- Output from DWR analytical tools (e.g., population estimating tool)
- Ordinances for Water Shortage Contingency Plans

#### benefits

This section will store all the supporting documentation referenced in the main document. Providing these documents allows users to obtain information as needed, without cluttering the main document with excessive detail.



### Electronic Deliverables

#### contents

- Water Budget Spreadsheet
- Project Database
- Documents in Word and PDF

#### benefits

These files will be used extensively throughout plan preparation and will be reviewed with Valley District and agency staff on a regular basis. The WSC team envisions collaborating with Valley District on potential enhancements to the Water Budget Spreadsheet to expand reporting options and facilitate future updates.



## Create and Deliver Value

The WSC Team has envisioned several Optional Tasks to elevate the value of this plan for multiple purposes and audiences. These enhanced deliverables are discussed in detail on the following page.

## Optional Tasks for Enhanced Value

In addition to the strategies described previously, the WSC Team has also envisioned several Optional Tasks to take this plan to the next level, further expanding the value it provides. These Optional Tasks include:

- **Interactive Executive Summary**—The WSC Team includes communication experts who can work with your team to envision and deliver an interactive platform to allow users to explore the rich and varied regional data contained within the IRUWMP, such as maps, graphs, data tables, environmental resources, and prioritized projects. We envision a platform that functions like an intuitive website, allowing the user to run custom reports, visualize key metrics, and overlay data sets to visualize the complex interactions of the region's water resource features, demographics, partnerships, and management strategies.
- **Video Overview**—Perhaps the most compelling way to tell the story of the IRUWMP and the information it contains is by creating an explanatory video. WSC's video production experts can develop a compelling script, shoot video that includes interviews, aerial views, site specific visuals, and statewide infrastructure to show the interconnection of the social, environmental, and economic benefits of the regions water management strategies.
- **Agency Data Sheets**—Provide user-friendly fact sheets to convey critical agency data to a diverse audience. As discussed on the previous page, these fact sheets can be customized to provide a snapshot each agencies individual water picture.
- **ESRI Storymap**—Storymaps are a powerful way to bring data to life, allowing customization that includes interactive GIS maps in an intuitive, scrolling interface. One of the key benefits of the ESRI Storymap platform is its direct connection with the underlying GIS database. This allows for simplified maintenance and updating, so the interactive platform can remain relevant over time, even as conditions change.



WSC's video for the Ventura Water Pure project connected this ambitious potable reuse program with the regions past, present, and future—clearly showing the need for the project and aligning it with other regional priorities. View the video [here](#) or at <https://www.cityofventura.ca.gov/1646/Ventura-Water-Pure>



## Build Trust

The WSC Team thrives in a multi-stakeholder environment, and we have strong relationships throughout the region based on our past and ongoing work together. We are well positioned to lead an efficient and facilitated process that builds trust, provides transparency, and supports engagement among the participating agencies. Some of the key features and benefits of the stakeholder process we envision are summarized below.

### Benefits of building a trust-based stakeholder process

#### WSC FACILITATION APPROACH

✔ **Align the stakeholder meetings with other regional meetings, such as the BTAC and Basin Management Committee. Builds Trust:** Leverages existing meetings to minimize impacts to the participants' time while reinforcing your existing collaboration venues.

✔ **Lead purposeful, facilitated sessions. Builds Trust:** These meetings are about more than just data collection, they are a chance to reinforce important relationships and priorities. We focus on experience design, thoughtful facilitation, and creative exercises to keep everyone engaged.

✔ **Prepare thorough and timely pre- and post-workshop materials. Builds Trust:** Participants come prepared to engage on key topics and have access to the information they need during the session to stay engaged throughout. Post-session summaries reinforce consensus, summarize action items, highlight areas of opportunity, and describe any needed follow-up.

✔ **Utilize online collaboration platforms such as Microsoft Teams and Zoom. Builds Trust:** Participants have access to project data and can track progress in real time. Microsoft Teams also provides a simple video collaboration platform to empower the teams to meet virtually.

✔ **Thoughtful combination of individual and group meetings. Builds Trust:** The right combination of individual and group meetings makes the most of everyone's time and allows each agency to be heard in whatever venue is most comfortable for them.



## Deliver Compliance

At their core, the UWMP and IRWMP are compliance documents. Even though Valley District has the vision to recognize the much broader benefit of a combined document, the effort still needs to reliably fulfill the compliance requirement. Our approach is to produce a high-quality document and related deliverables that are delivered on-time, meet DWR requirements, and support watershed-wide regional planning. We will use our proprietary StreamlineUWMP® platform, described on the following page, to facilitate efficient document compilation and review. Our approach includes the following strategies:

- Prepare the necessary updates to reflect changes since 2015.** For the IRWM related sections that includes addressing the changing water resources picture, updating the Objectives and Targets, updating the prioritized project list, and fulfilling the Prop 1 requirements. For the UWMP related sections, we must update population and demand projections, update supply portfolios to reflect new and proposed supplies, support the updating of the Water Shortage Contingency Plans, and meet the new UWMP requirements.

- Align with the evolution of water management legislation and strategies from the State of California.** The IRWM Strategic Plan, which DWR initiated to guide the IRWM Program in its next generation, calls for greater emphasis on regional needs. Prop. 1 brings new requirements that must be incorporated into IRWMPs to qualify for Prop 1 IRWM funding. The California Water Resilience Portfolio, prepared by the State in response to Executive Order N-10-19, identifies regional and Delta vulnerabilities. The State’s 2018 update to the California Water Plan reflects a changing water resources context in California, including natural sustained changes, significant water code modifications since the 2013 update, and the presence of SGMA as a planning framework for basins state-wide, and actions resulting from Executive Orders related to water.
- Request early input and acceptance from DWR.** Upon notice to proceed, WSC will prioritize development of a complete document outline, including listing all the tables, figures and graphics that will be included with the final document. We will share this document with DWR to get their conceptual approval of the approach before continuing with document production. That will help us avoid a circumstance where we discover DWR will not accept the document as-structured.

### New Requirements Increase the Level of Effort to Develop the 2020 UWMP elements, but Provide Tools to Help Water Agencies Manage Water Resources Locally

NEW REQUIREMENTS FOR THE 2020 UWMP		TYPE OF EFFORT	ESTIMATED LEVEL OF EFFORT
1	Water Shortage Contingency Plan with prescriptive elements	Analysis, Description, Policy Decisions & Codification	Significant
2	5-Year Drought Risk Assessment	Analysis, Description, Policy Decisions & Codification	Significant
3	Lay person’s description of reliability	Description	Limited
4	Long-term forecast for each water supply source, including climate change and supporting information	Analysis, Description	Potentially Significant
5	Incorporation of projected land use changes in demand forecasting	Analysis, Description	Potentially Significant
6	Seismic risk assessment and mitigation plan	Description	Limited to Potentially Significant
7	Energy analysis now required	Analysis, Description	Limited to Potentially Significant
8	Water savings from codes/standards/etc. now required	Analysis, Description	Limited to Potentially Significant
9	Include 5 previous years of system water losses	Analysis, Description	Limited to Potentially Significant
10	Include GSPs or other SGMA efforts	Description	Limited

#### The new requirements provide the opportunity to:

**Define** and plan out short/long-term water shortage scenarios specific to your system. **Opportunity** to define what a water shortage means for your agency, not the State or other agencies.

**Customize** Shortage response actions, demand management measures, and supply projects to address potential supply gaps. **Opportunity** to justify short/long-term demand reduction programs/projects or supply projects.

**Prepare** for required annual reporting or other communication channels. **Opportunity** to connect UWMP data to annual reporting and management actions for customer education.

# THE NEXT-GENERATION UWMP TOOL DRIVING QUALITY & EFFICIENCY

## streamline UWMP

Developing UWMPs with multiple contributing authors can be difficult to manage, especially as authors move between data management and word processing platforms. WSC's proprietary web-based application, StreamlineUWMP®, provides an integrated data management and document production solution to allow authors to transparently develop, review, revise, track, and communicate how report sections and data points are developed in real time, without the need for cumbersome version control and strict sequential work flows. StreamlineUWMP® provides end-to-end data integrity, process transparency, and collaborative document preparation to drive quality and efficiency. Every text section and data point for tables and figures is tracked and logged within StreamlineUWMP's web-based platform and database.



We will empower efficient collaboration, high quality products, and data transparency using our proprietary, cloud-based software, StreamlineUWMP®.

- ✓ Simplify Process
- ✓ Improve Quality
- ✓ Empower Collaboration
- ✓ Ease Reporting
- ✓ Achieve Compliance

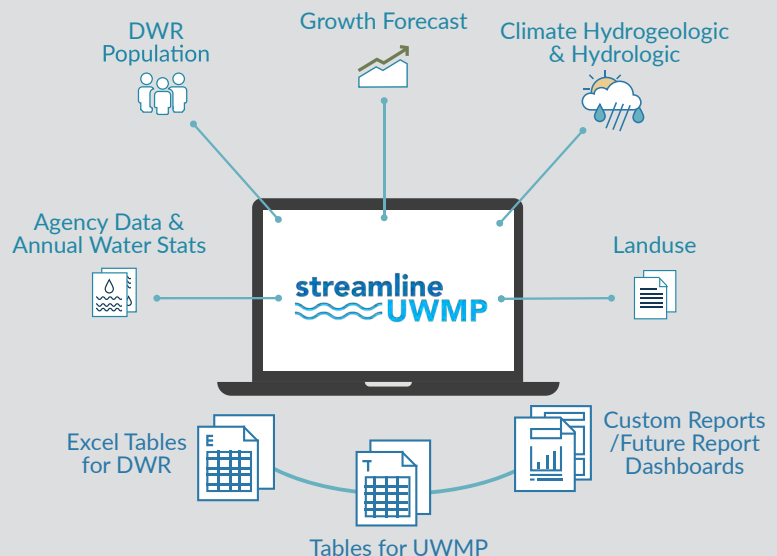
The StreamlineUWMP® platform was built based on client feedback and industry leading experience developing 50+ UWMPs with clients over the last 10 years. StreamlineUWMP® simplifies the process of preparing a UWMP. The secure, web based platform improves quality and data integration, empowers effective collaboration, makes reporting easy, and provides confident compliance.

### About Streamline

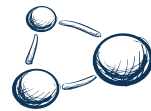
WSC's StreamlineUWMP® tool is a web-based application that efficiently consolidates input from various sources, enables effective quality control of data, and provides a cohesive set of output reports. WSC's tool positions Valley District and participating agencies for post-2020 UWMP reporting and can be modified to meet DWR requirements as guidance is released.



Your data is stored securely in the cloud, and is always accessible when you need it, in the format that is most useful to you (e.g. Excel, Access, CSV, etc.)



- **Using WSC’s web-based collaboration and document production platform, StreamlineUWMP®, will facilitate compliance.** StreamlineUWMP® will manage data and simplify collaboration and document production and facilitates compliance with all DWR requirements.
- **Prepare detailed compliance crosswalks for UWMP and IRWMP compliance.** We propose including these detailed road maps to facilitate DWR’s review of the document for compliance without cluttering the document with Water Code language or citations.



## Align the Region

Reinforcing regional alignment and building momentum around shared data, knowledge, objectives, and priorities is an important goal of this integrated effort. Updated information from documents such as the HCP, water supply planning efforts, and groundwater management planning documents can be incorporated into the IRUWMP update to provide a comprehensive picture of the needs facing the region today and assure that regional activities are reflected in the region’s integrated planning efforts. To achieve this goal, the WSC Team will apply its knowledge of the region and directly relevant recent experience, building on these past efforts and successes, to make rapid progress in the directions that matter most to the region’s stakeholders. Our efforts will:

- **Build on work from 2015 RUWMP and 2015 IRWMP update.** WSC prepared the 2015 RUWMP and our partner, Woodard and Curran prepared the 2015 IRWMP update. The same staff that worked on those plans will be dedicated to this plan. We bring continuity of relationships, knowledge, and experience to pick up where we left off and extend the progress that was made with those two plans.
- **Align with Valley District strategic plan.** WSC is currently preparing Valley District’s first ever Strategic Plan, and through that process, we are helping Valley District articulate its Vision, Mission, Values, and Goals and showing how they align with Valley District’s Vital Factors. This work is pivotal, and we have gained an in-depth understanding not just of *what* you do, but *why* you do it, and *how* you see

The RWMG and individual project proponents who adopted the Plan"	37	y/n	y	Appendix A 1.5	All members of the RWMG have adopted the IRWMP Plan (Resolutions of adoption are provided in Appendix A). As noted in Section 1.5 of the IRWMP Plan, stakeholders may participate in IRWMP Planning without	y
A description of the IRWMP governance structure including a discussion of whether or how Native American tribes will participate in the RWMG.	37	y/n	y	1.4.2	Native American tribes participate in regional planning efforts via the Stakeholder Advisory Committee, as shown in Table 1-2.	y
A description of how the chosen form of governance addresses and insures:						
Public outreach and involvement processes	37	y/n/q	y	1.5	The main opportunity for public involvement is through the periodic Stakeholder Advisory Committee meetings and workshops. Outreach includes e-newsletters, notification of and agendas for upcoming SAC meetings, requests for information or input, notification of	y
Effective decision making	37	y/n/q	y	1.4.3	Items requiring decisions are discussed and agreed upon by consensus of all members of the RWMG.	y
Balanced access and opportunity for participation in the IRWMP process	37	y/n/q	y	1.5	This section discusses balanced opportunity for all stakeholders to participate in the IRWMP process (periodic SAC meetings and workshops). All stakeholders and project sponsors were invited to adopt the IRWMP Plan.	y
Effective communication – both internal and external to the IRWMP region	37	y/n/q	y	1.5, 1.6	Section 1.5 discusses effective communication with stakeholders including DACs and tribes while Section 1.6 describes the Region’s efforts to communicate with other local, regional, and statewide planning entities.	y

**Example of a IRWMP Plan compliance “crosswalk” document that conveniently links together guideline requirements (with page numbers) to the location of that information in the plan, and provides a brief qualitative explanation.**

**The IRUWMP can serve to reinforce Valley District’s Strategic Plan, bringing Valley District’s goals to life in a supported process and robust demonstration of Valley District’s mission, vision, values, and goals.**

### GOAL 1:

Proactively develop and cooperatively manage diverse water solutions that meet the evolving needs of the region and adapt as conditions change.

### GOAL 5:

Maintain and attract top talent and promote a rewarding culture of growth and opportunity leading to achievement of District’s mission.

### GOAL 4:

Define and consistently deliver equitable water solutions that maximize the value and benefit of the region’s water assets.



### GOAL 2:

Build trust by being a collaborative and resourceful partner, living our values, and delivering meaningful results that help secure the region’s water future.

### GOAL 3:

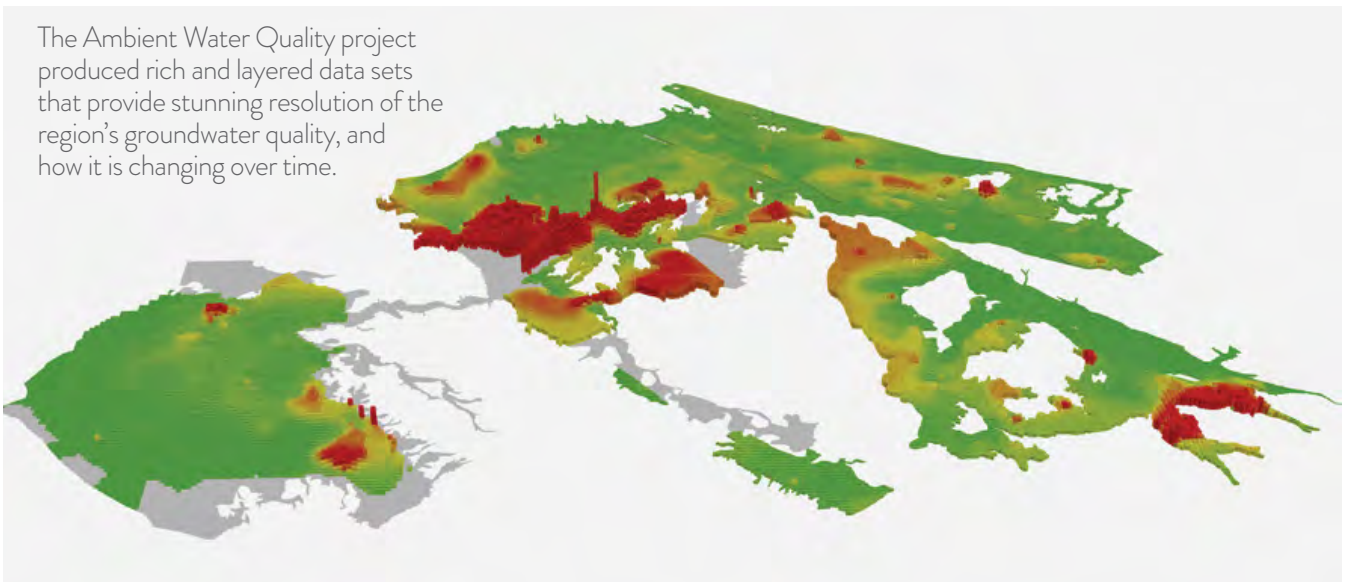
Drive science-based decision making, proactive risk management, innovation and effective planning to provide resilient, reliable water supply for the region’s future.

your agency's role now and into the future. Additionally, we have collaborated with Valley District's key stakeholders throughout the process, so we understand how the region envisions future collaboration as well. This unique insight allows us to prioritize our efforts and reinforce the region's key strategic priorities in the IRUWMP.

- **Align with funding opportunities, statewide/national priorities.** One of the key functions of the IRUWMP will be to position the region to receive state funding for critical initiatives. WSC recently worked with Valley District and regional stakeholders to identify regional projects for submission to the Santa Ana Watershed Project Authority (SAWPA) for consideration of One Water One Watershed (OWOW) Round 1 Prop 1 IRWM funding. That effort was a huge success, and the projects that our team identified and promoted were ultimately awarded more than \$6.56 million in grant funds through the Prop 1 IRWM process. One of the projects was awarded \$4.56 million in grant funds and will serve a disadvantaged community.
- **Integrate data sets, visualization tools and findings from the Santa Ana River Watershed Ambient Water Quality project.** WSC recently completed the Ambient Water Quality (AWQ) report for the Basin Monitoring Program Task Force which computes the AWQ of total dissolved solids TDS and Nitrate from the groundwater management zones (GMZ's) that the agencies produce groundwater from and provides information on trends in water quality that will support development of the IRUWMP.

- **Incorporate data, resources, and requirements from the ongoing HCP effort.** WSC understands the region's ongoing efforts to obtain a Habitat Conservation Plan (HCP) on the Santa Ana River to develop important water resources projects. Much has been accomplished since 2015, and the important information and priorities from that effort must be accurately reflected in the IRUWMP.
- **Leverage ongoing Exchange Plan collaboration.** WSC is currently leading facilitation of a renegotiation of the Exchange Plan which facilitates water transfers in the eastern portion of Valley District's service area. The Exchange Plan is envisioned to become a powerful tool to help agencies meet changing needs and can be incorporated into envisioned projects as part of the IRUWMP.

The Ambient Water Quality project produced rich and layered data sets that provide stunning resolution of the region's groundwater quality, and how it is changing over time.





## Envision the Future

Ultimately, the IRUWMP must clearly describe regional objectives and prioritized projects and programs that align with the objectives of the State to best position those projects for statewide funding. Our approach to using the IRUWMP to envision the future for the region includes:

**Define regional projects that provide multiple benefits and align with DWR and SAWPA criteria.** The spirit and intent of this regional planning document is to envision bold programs that provide regional benefit, not just collect a compilation of small-scale projects from participating agencies. By envisioning projects that provide regional benefits across social, environmental, and economic criteria, the region is best positioned to obtain funding from the state.

**Optimize local resources and provide clear prioritization.** Local resource development and optimization is a key objective for this regional plan, and prioritized projects will include projects like Valley District's Enhanced Recharge Project that maximize use of local resources while creating huge regional benefit.

**Support the Upper Santa Ana HCP.** The HCP is perhaps one of the most ambitious inter-agency projects ever attempted in the region. When completed, the HCP will empower the regional agencies to implement valuable water resource projects on the Santa Ana River, while supporting the long-term health and viability of its habitat and species. The IRUWMP must reflect those priorities and develop projects that align with the HCP's intent and objectives.

**Show the value of State Water Project.** Valley District's most valuable resource is its investment in the SWP, and ongoing investments will serve to solidify the availability, reliability, and resilience of that resource long into the future. The IRUWMP must demonstrate the importance of the SWP to the region's future, show the role of projects like Sites Reservoir and Delta Conveyance, and reinforce programs that allow the region to maximize the long-term value of this critical asset.

## Why Select WSC?

Why should Valley District and your partners select the WSC Team to prepare your IRUWMP? In a word, Trust. You know that WSC brings the integrity, intent, and capabilities to make this project a success, and we have delivered valuable results for Valley District and your partners time and again over the last 10 years. We are proud of all that we have accomplished together, and we see ourselves as a strategic partner in the region. WSC brings the mindset that we only succeed if you do, and we will bring the experience, focus, resources, continuity, and energy to make this ambitious project a successful reality. We appreciate this opportunity to propose, and hope you select WSC to deliver this critical regional project.



# Organizational Chart



## Principal In Charge

Jeff Szytel <sup>(1)</sup> PE, MS, MBA

## PROJECT MANAGER

Laine Carlson <sup>(2)</sup> PE, T2 & D2 Water Op

Laine is a proven partner to Valley District on innovative, complex, and collaborative water resource projects and programs.

## QA/QC

Spencer Waterman <sup>(1)</sup>

Sally Johnson <sup>(6)</sup> ■

## Data Architect

Jeroen Olthof <sup>(3)</sup> PE, MS, MBA

## UWMP

Lead: Kirsten Plonka <sup>(3)</sup> PE

Patricia Olivas <sup>(1)</sup> EIT

Aaron Morland <sup>(1)</sup> EIT

## IRWMP

Lead: Dawn Flores <sup>(5)</sup> ■

Vanessa De Anda <sup>(5)</sup> ■

■ Woodard & Curran

## SUBJECT MATTER EXPERTS

### Imported Water

Dan Heibel <sup>(1)</sup> PE, MS

### Recycled Water

Rob Morrow <sup>(1)</sup> PE, MS

### Groundwater

Michael Cruikshank <sup>(4)</sup> PG, CHG, MS

James Gonzales <sup>(4)</sup> PG, CHG, MS

### Water Shortage Contingency Planning & Demand Projections

Spencer Waterman <sup>(1)</sup>

### Climate Change/Energy

Heather Freed <sup>(1)</sup> PE, MS

TEAM MEMBER	EMAIL
1 Jeff Szytel	jszytel@wsc-inc.com
1 Dan Heibel	dheibel@wsc-inc.com
1 Rob Morrow	rmorrow@wsc-inc.com
1 Aaron Morland	amorland@wsc-inc.com
1 Heather Freed	hfreed@wsc-inc.com
2 Laine Carlson	lcarlson@wsc-inc.com
2 Patricia Olivas	polivas@wsc-inc.com
3 Jeroen Olthof	jolthof@wsc-inc.com
3 Kirsten Plonka	kplonka@wsc-inc.com
4 Michael Cruikshank	mcruikshank@wsc-inc.com
4 James Gonzales	jgonzales@wsc-inc.com
5 Dawn Flores	dflores@woodardcurran.com
5 Vanessa De Anda	vdeanda@woodardcurran.com
6 Sally Johnson	sjohnson@woodardcurran.com

## OFFICE LOCATION, PHONE & FAX

1 WSC San Luis Obispo, CA  
(805) 457-8833 | Fax (805) 888-2764  
805 Aerovista Place, Suite 201,  
San Luis Obispo CA 93401

2 WSC Inland Empire, CA  
(909) 483-3200 | Fax (909) 354-3482  
9375 Archibald Ave., Suite 200,  
Rancho Cucamo, CA 91730

3 WSC San Diego, CA  
(858) 397-2617 | Fax (619) 393-0106  
9815 Carroll Canyon Road, Suite 205,  
San Diego, CA 92131

4 WSC Orange County, CA  
(949) 528-0960 | Fax (909) 354-3482  
23232 Peralta Drive, Suite 215,  
Laguna Hills, CA 92653

5 Woodard and Curran  
Los Angeles, CA  
(213) 223-9460 | Fax (213) 223-9461  
888 South Figueroa Street, Suite 1700, Los  
Angeles, CA 90017

6 Woodard and Curran  
San Diego, CA  
(858) 875-7400 | Fax (858) 875-7401  
9665 Chesapeake Drive, Suite 320,  
San Diego, CA 92123

Qualifications and resumes for all team members are included in Appendix A.

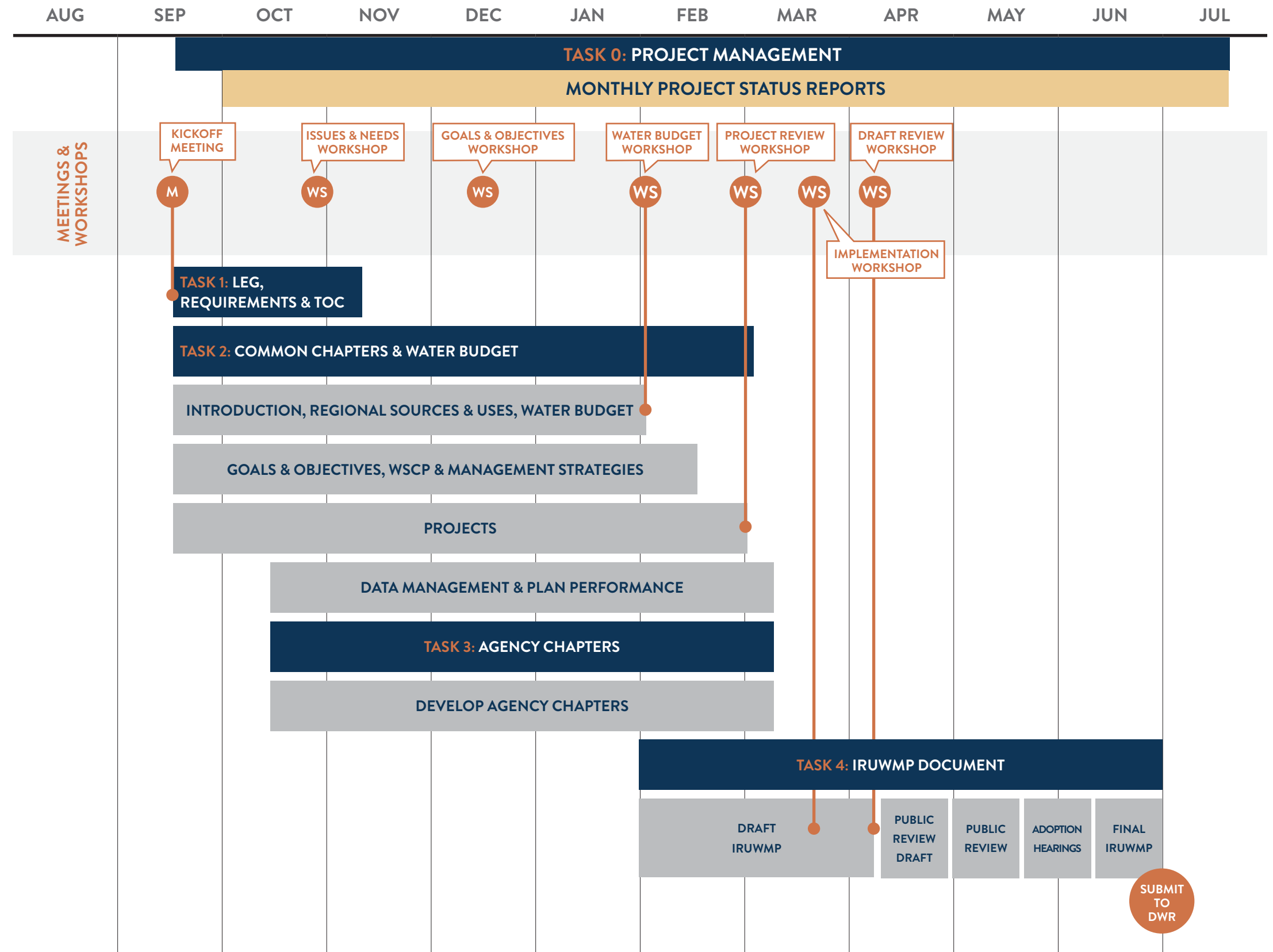


## E. Project Schedule

Given the extremely tight time line for project completion and comprehensive and unprecedented scope that Valley District envisions, we must develop innovative approaches to keep the project on-schedule while meeting the complex technical, coordination, and outreach requirements of the project. Some of the innovative approaches we propose to achieve the ambitious schedule include:

- Initiate parallel efforts immediately upon contract award.** For the RUWMP portion, early data collection is needed to begin updating the water budget, apportion the safe yield in the Riverside and Rialto-Colton basins, and identify necessary changes to the Water Shortage Contingency Plans. For the IRWMP portion, the team must immediately begin gathering input on projects and scoring and ranking criteria. In some cases meetings can serve multiple purposes if the right people have been assembled (or previously scheduled meetings, such as BTAC sessions, might be extended or re-purposed). WSC will initiate these efforts by providing detailed data requests at the kickoff meeting that include information about previously scheduled meetings and on-going efforts requiring collaboration.
- Maintain an on-line data portal.** Each agency will need to submit various documents and data sets, and tracking the status of these requests needs to be efficient. WSC will use Microsoft Teams or another online platform to give all project participants access to an electronic library. Each agency will be able to submit their documents and update the status in real time.
- Leverage virtual meetings.** Although in-person meetings typically offer a richer experience, they may not be an option during this project. The WSC team will seek to connect individually with each agency's lead to establish communication channels that will avoid pitfalls due to requests falling through the cracks.

WSC'S detailed work plan aligns the effort of multiple stakeholders to minimize schedule impacts related to coordination and scheduling



# Scope of Work & Fee Schedule

## Task 0: Project Management

### 0.1 Project Administration

- Provide coordination and prepare monthly progress reports and invoices.

### 0.2 Kickoff Meeting

- Prepare and facilitate one kickoff meeting with all participating agencies.

### 0.3 Meetings with Individual Agencies

- Hold individual meetings with each agency participating in RUWMP to facilitate data collection and review individual agency chapters.

### 0.4 Workshops

- Prepare materials for and facilitate workshops with all agencies. Assumed workshops are identified in Tasks 2 and 4.

### 0.5 Public Presentations

- Attend public hearing for each agency to answer questions from board prior to adoption

### 0.6 Quality Assurance / Quality Control

- Provide independent review of all deliverables before submittal to agencies." Then the current text "Valley District will assist with meeting scheduling or facilitate using scheduled BTAC meetings for workshop times" can be an assumption for Task 0.

## Task 0. Assumptions

- Assume two individual meetings with each agency participating in RUWMP
- Assume six workshops open to all agencies (identified in Tasks 2 and 4)
- Assume attendance at one public meeting for each agency participating in RUWMP.
- Meetings will be conducted virtually using Microsoft Teams or another on-line collaboration platform.

## Task 0. Deliverables

- Progress Reports and Monthly Invoice
- Meeting agendas, supporting materials, and minutes
- PowerPoint presentation for use at public presentations

## Task 1: Legislative Requirements and Table of Contents

### 1.1 Summary of Legislative Requirements

- Identify any new legislative requirements and provide the overall structure for the document.
- The document must comply with the "Guidebook to Assist Water Suppliers in the Preparation of a 2020 Urban Water Management Plan".
- The document must comply with guidelines for the update of Integrated Regional Water Management Plans.
- Identify sections of the Upper Santa Ana River Watershed IRWM Plan that require update based on 1) Updates required to meet Proposition 1 requirements, and 2) Updates to reflect changes in the region since January 2015.
- Develop a cross reference table that shows how the document addresses the requirements described in DWR's 2019 Integrated Regional Water Management Grant Program Guidelines, or the latest version available at the time the documents are being prepared.

### 1.2 IRWUMP Table of Contents

- Seamlessly combine the 2015 RUWMP and the 2015 IRWMP into one comprehensive document.
- Include relevant information from agencies not participating in the IRWMP, but within the IRWMP region, and include the chapters from agencies that write their own chapter.

## Task 1. Deliverables

- Required checklists for both the Urban Water Management Planning Act and the Integrated Regional Water Management Planning Act that clearly lead the Department of Water Resources to the place in the document where specific requirements have been met.
- Technical Memorandum describing legislative requirements and a draft table of contents – Draft and Final

## Task 2: Common Chapters and Water Budget

### 2.1 Introduction, Regional Planning, Governance, Outreach and Coordination

- Since both documents were updated 5 years ago, this project is essentially an update of both documents while combining them into one cohesive document. Since the RUWMP was updated most recently, the “overlapping” text from the RUWMP will govern.
- Update sections that describe regional planning, governance, and outreach and coordination, as they pertain to IRWM planning.
- Prepare an appendix that includes meeting materials from the IRUWMP development

### 2.2 Region Description, Regional Water Sources

- Update the regional water sources sections of Chapter 2.
- Update the region description, including appendices related to DAC identification and coordination, climate change and GHG emissions, and climate change vulnerability checklist.

### 2.3 Water Budget, Regional Water Use, Comparison of Regional Supplies and Demands

- The water budget chapter will provide both the regional overview of water sources used to meet demands, as in the IRWMP, and also provide the UWMP demand/supply scenarios. In addition to the prescribed UWMP demand/supply scenarios, the wet year scenario from the RUWMP will be updated and a new 30-year drought scenario will be added. Excel spreadsheets were prepared for both plans that can provide the basis for the update.
- Consultant will work with all of the participating water agencies to determine if there have been changes to their supply and demand projections.
- Valley District contracted with the RAND Corporation to perform a thorough analysis of the supplies and demands in the RUWMP. The demand portion of the work is complete and has been updated to the ShareFile site. The supply portion of the analysis will be complete this summer. The results of this analysis will impact the “reliability factor” used to overcome uncertainty and is to be integrated into the update process for the IRUWMP going forward.

### 2.4 Goals and Objectives

- Update the goals and objectives currently found in the IRWMP.

### 2.5 Water Management Strategies, Regional Water Shortage Contingency Planning

- Update sections on regional water shortage contingency planning.
- Update the Water Management Strategies section to determine whether strategies included in the 2015 IRWMP are still relevant, and add new strategies described in the California Water Plan or other documents.

### 2.6 Coordination with Agency Chapters

- Coordinate updated demands and supplies with individual agency chapters

### 2.7 Projects

- Update the projects included in the 2015 IRWMP, including:
  - Review the current list of projects to determine if any projects have been completed or are no longer feasible by contacting project sponsors.
  - Support a Call for Projects to obtain any new projects to include in the plan.
  - Review projects using the screening and ranking process described in the 2015 IRWM Plan, as modified.
- Prepare an appendix that provides the detailed list of projects.

### 2.8 Implementation

- Update text from the implementation chapter included in the 2015 IRWMP, including:
  - Continued governance
  - Project implementation
  - Periodic review and update of the plan
  - Continued outreach and coordination
  - Support Statewide priorities
  - IRWMP funding and financing
  - Obstacles to implementation
  - Impacts and benefits of the plan

## 2.9 Data Management, Plan Performance and Adaptive Management

Update sections related to data management, plan performance and adaptive management. The section related to data management will be updated to reflect any new Statewide or regional data collection and monitoring databases, and current data management efforts. The section related to plan performance will be updated to reflect any updates to the goals and objectives, including updated performance measures, and reflect progress made since the 2015 IRWMP was completed. The adaptive management section will be updated to reflect the new, combined planning document.

### Task 2. Assumptions

Assumed workshops include

- Workshop: Issues and Needs. The purpose of this workshop is to gather information from the various agencies on what they view are the primary issues and needs facing water resources management in their watershed. This information will then be used to craft revisions to the goals, objectives and targets.
- Workshop: Regional Water Budget. The purpose of this workshop is to review supplies and demands provided by individual agencies and review the region-wide totals to verify that sources are not being missed or double-counted.
- Workshop: Goals, Objectives, Targets. The purpose of this workshop is to provide strawman revisions to goals, objectives and targets, and get feedback on how they should be revised.
- Workshop: Project Review Process. The purpose of this workshop is to discuss how the region would like to update their project review process, including project scoring and ranking. Part of this discussion will be related to the focus of projects to be included in the plan moving forward and release of a call for projects.
- Workshop: Implementation. It is assumed that one (1) workshop with agencies located in the IRWM planning region will be needed to obtain feedback on certain pieces of the implementation plan

It is assumed that geospatial data needed to develop maps and exhibits will be provided by Valley District and the other agencies.

### Task 2. Deliverables

- Chapter 1 – Draft and Final
- Chapter 2 – Draft and Final
- Chapter 3 – Draft and Final
- Regional Water Budget – Draft and Final
- UWMP Scenarios – Draft and Final
- Wet Year Scenario – Draft and Final
- Extended Drought (30-year) Scenario – Draft and Final
- Chapter 4 – Draft and Final
- Chapter 5 – Draft and Final
- Chapter 7 – Draft and Final
- Chapter 8 – Draft and Final
- Chapter 9 – Draft and Final

## Task 3: Individual Water Agency Chapters

In the previous version of the RUWMP, the groundwater supply in the water agency chapters was not constrained by the safe yield of the groundwater basin. In this update, the water agencies will constrain their groundwater supply to their portion of the safe yield to avoid double-counting and ensure the safe yield of each basin is not exceeded. This proportioning has been done in the San Bernardino Basin but will need to be estimated in the Rialto-Colton and Yucaipa Basins

Demand projections for the agencies will be developed using the same, consistent methodology unless another methodology is approved by the participating agencies.

For each agency identified below, a draft chapter will be prepared that meets the requirements of the 2020 Guidebook for Urban Water Suppliers (with the exception of Yucaipa Valley Water District, which will prepare its own draft chapter). Draft chapters will be presented to the agency for review and will be updated to reflect comments.

### 3.1 San Bernardino Valley Municipal Water District—Update 2015 chapter

### 3.2 City of Colton —Update 2015 chapter

### 3.3 East Valley Water District —Update 2015 chapter

### 3.4 City of Loma Linda —Update 2015 chapter

### 3.5 City of Redlands —Update 2015 chapter

### 3.6 City of Rialto —Update 2015 chapter

### 3.7 Riverside Highland Water Company— Update 2015 chapter

### 3.8 San Bernardino Municipal Water Department — Update 2015 chapter

### 3.9 West Valley Water District—Update 2015 chapter

### 3.10 Yucaipa Valley Water District—Peer Review of Chapter

### 3.11 Big Bear City Community Services District — Incorporate and update the Big Bear City Community Services District 2015 UWMP as a chapter in the final IRUWMP document

## Task 3. Assumptions

- Each water agency participating in the IRUWMP will continue to have their own chapter of the document where they can demonstrate how they plan to meet their water conservation requirements and how their supply portfolio performs under the following scenarios: Normal/average, Single Dry Year, Multiple Dry Year (5-Year Drought), wet year, Extended Drought (30-Year).
- Each agency will be able to reference a completed Hazard Mitigation Plan to fulfill the seismic assessment required by DWR.
- For each agency, WSC will review the Water Shortage Contingency Plan to determine whether it meets the more comprehensive content requirements as outlined by Section 10632 of the Water Code, update as necessary, and incorporate the WSCP into the 2020 IRUWMP chapter. It is assumed that the Agency will provide updates to the Water Supply and Demand Assessment Procedures. If these procedures have not been developed, WSC could provide assistance as an optional task to prepare the procedures.

## Task 3. Deliverables

- Apportioned natural supply (safe yield) for the Rialto-Colton and Yucaipa groundwater basins amongst the retail water agencies
- Methodology for estimating future demand to be used by each participating agency
- Individual Agency Chapters – Draft and Final

## Task 4: Prepare the Upper Santa Ana River Watershed Integrated Regional Urban Water Management Plan

### 4.1 Draft and Final Document

- Consultant will assemble all of the information into one comprehensive document based upon the approved table of contents.
- The document is to be “user friendly” incorporating figures and tables to help tell the story.
- The draft plan will be distributed for review and comment.
- Any comments received will be reviewed and incorporated into the final version of the plan.

### 4.2 Electronic Deliverables

- Once finalized, all electronic files must be submitted to Valley District in the latest editions of the following: AutoCAD, ESRI, Microsoft Office Suite, and, Adobe Acrobat.

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### Task 4. Assumptions

Assumed workshops include

- Review of Draft IRUWMP. The purpose of this workshop is to review comments on the draft IRUWMP before the public review draft is prepared.

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### Task 4. Deliverables

- Upper Santa Ana River Watershed Integrated Regional Urban Water Management Plan (Draft and Final)
- List of comments on the Draft Update and proposed responses
- Five (5) hardcopies to each participating agency
- Electronic files (native file formats and a PDF version of the entire report)

# Fee Schedule

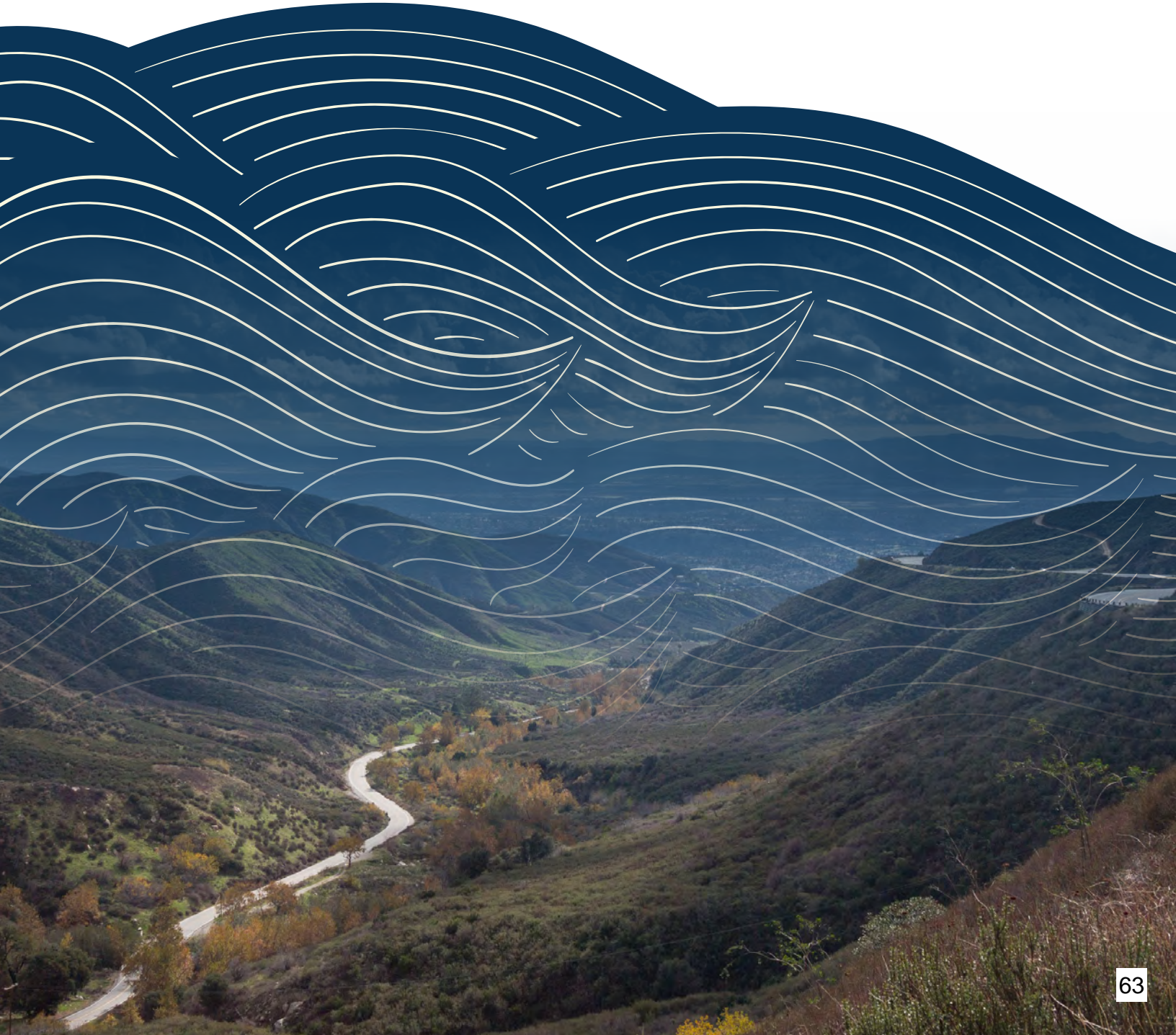
San Bernardino Valley Municipal Water District  
2020 Integrated Regional UWMP  
Cost Proposal



Task No.	Task Description	WSC Labor													WSC Labor Hours	WSC Labor Fee	WSC Expenses	WSC Fee	Woodard & Curran Labor				W&C Labor Hours	W&C Labor Fee	W&C Expenses	W&C Fee	Subconsultant Markup	Total Fee				
		Jeffery Szytel	Jeroen Olthof	Laine Carlson	Kirsten Plonka	Robert Morrow	Michael Cruikshank	Daniel Heimel	Spencer Waterman	Tiffany Meyer	Aaron Morland	Patricia Olivias	Kay Merrill	Dawn Flores					Vanessa de Anda	Sally Johnson	Admin.											
	Billing rates, \$/hr	\$ 305	\$ 280	\$ 250	\$ 250	\$ 250	\$ 240	\$ 230	\$ 190	\$ 175	\$ 145	\$ 135	\$ 145					\$ 257	\$ 192	\$ 242	\$ 113											
0	Project Management																															
0.1	Project Administration			12									16	28	\$ 5,320	\$ 100	\$ 5,420	16			8		24	\$ 5,016		\$ 5,016	\$ 502	\$ 10,938				
0.2	Kickoff Meeting	2	2	2	2					4				12	\$ 2,750	\$ 100	\$ 2,850	8	12			20	\$ 4,360	\$ 275	\$ 4,635	\$ 464	\$ 7,949					
0.3	Meetings with Individual Agencies			20									20	40	\$ 7,900	\$ 200	\$ 8,100					-	\$ -		\$ -	\$ -	\$ 8,100					
0.4	Workshops	8	8	24	16								12	68	\$ 16,420	\$ 300	\$ 16,720	16	16			32	\$ 7,184	\$ 825	\$ 8,009	\$ 801	\$ 25,530					
0.5	Public Presentations			10									10	20	\$ 3,950	\$ 100	\$ 4,050					-	\$ -		\$ -	\$ -	\$ 4,050					
0.6	QA/QC	8							24					32	\$ 7,000	\$ 100	\$ 7,100		24			24	\$ 5,808		\$ 5,808	\$ 581	\$ 13,489					
	<b>SUBTOTAL</b>	<b>18</b>	<b>10</b>	<b>68</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>16</b>	<b>200</b>	<b>\$ 43,340</b>	<b>\$ 900</b>	<b>\$ 44,240</b>	<b>40</b>	<b>28</b>	<b>24</b>	<b>8</b>	<b>100</b>	<b>\$ 22,368</b>	<b>\$ 1,100</b>	<b>\$ 23,468</b>	<b>\$ 2,347</b>	<b>\$ 70,055</b>					
1	Legislative Requirements and TOC																															
1.1	Legislative Requirements			2	8								16	26	\$ 4,820	\$ 100	\$ 4,920	4				4	\$ 1,028		\$ 1,028	\$ 103	\$ 6,051					
1.2	Table of Contents			1	2								12	15	\$ 2,490	\$ -	\$ 2,490	2	6			8	\$ 1,666		\$ 1,666	\$ 167	\$ 4,323					
	<b>SUBTOTAL</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>28</b>	<b>41</b>	<b>\$ 7,310</b>	<b>\$ 100</b>	<b>\$ 7,410</b>	<b>6</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>\$ 2,694</b>	<b>\$ -</b>	<b>\$ 2,694</b>	<b>\$ 269</b>	<b>\$ 10,373</b>					
2	Common Chapters and Water Budget																															
2.1	Introduction			2									16	18	\$ 2,820	\$ 100	\$ 2,920	2	8			10	\$ 2,050		\$ 2,050	\$ 205	\$ 5,175					
2.2	Region Description and Regional Water Sources		8	2		8	8	8					16	50	\$ 10,820	\$ 200	\$ 11,020	8	48			56	\$ 11,272		\$ 11,272	\$ 1,127	\$ 23,419					
2.3	Regional Water Use and Water Budget		16	2									32	50	\$ 9,620	\$ 200	\$ 9,820					-	\$ -		\$ -	\$ -	\$ 9,820					
2.4	Goals and Objectives			2									8	10	\$ 1,660	\$ -	\$ 1,660	6	12			18	\$ 3,846		\$ 3,846	\$ 385	\$ 5,891					
2.5	WSCP and Management Strategies			4					16				24	44	\$ 7,520	\$ 200	\$ 7,720	2	6			8	\$ 1,666		\$ 1,666	\$ 167	\$ 9,553					
2.6	Coordination with Agency Chapters													-	\$ -	\$ -	\$ -					-	\$ -		\$ -	\$ -	\$ -					
2.7	Projects			2									8	10	\$ 1,660	\$ -	\$ 1,660	8	44			52	\$ 10,504		\$ 10,504	\$ 1,050	\$ 13,214					
2.8	Implementation			2									8	10	\$ 1,660	\$ -	\$ 1,660	24	8			32	\$ 7,704		\$ 7,704	\$ 770	\$ 10,134					
2.9	Data Management and Plan Performance		4	2					8				8	14	\$ 2,780	\$ 100	\$ 2,880	8	16			24	\$ 5,128		\$ 5,128	\$ 513	\$ 8,521					
	<b>SUBTOTAL</b>	<b>-</b>	<b>28</b>	<b>18</b>	<b>-</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>16</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>120</b>	<b>206</b>	<b>\$ 38,540</b>	<b>\$ 800</b>	<b>\$ 39,340</b>	<b>58</b>	<b>142</b>	<b>-</b>	<b>-</b>	<b>200</b>	<b>\$ 42,170</b>	<b>\$ -</b>	<b>\$ 42,170</b>	<b>\$ 4,217</b>	<b>\$ 85,727</b>					
3	Individual Water Agency Chapters																															
3.1	San Bernardino Valley MWD		4	16									56	132	\$ 20,800	\$ 400	\$ 21,200					-	\$ -		\$ -	\$ -	\$ 21,200					
3.2	City of Colton		4	16									56	132	\$ 20,800	\$ 400	\$ 21,200					-	\$ -		\$ -	\$ -	\$ 21,200					
3.3	East Valley Water District		4	16									56	132	\$ 20,800	\$ 400	\$ 21,200					-	\$ -		\$ -	\$ -	\$ 21,200					
3.4	City of Loma Linda		4	16									56	132	\$ 20,800	\$ 400	\$ 21,200					-	\$ -		\$ -	\$ -	\$ 21,200					
3.5	City of Redlands		4	16									56	132	\$ 20,800	\$ 400	\$ 21,200					-	\$ -		\$ -	\$ -	\$ 21,200					
3.6	City of Rialto		4	16									56	132	\$ 20,800	\$ 400	\$ 21,200					-	\$ -		\$ -	\$ -	\$ 21,200					
3.7	Riverside Highlands Water Company		4	16									56	132	\$ 20,800	\$ 400	\$ 21,200					-	\$ -		\$ -	\$ -	\$ 21,200					
3.8	San Bernardino Municipal WD		4	16									56	132	\$ 20,800	\$ 400	\$ 21,200					-	\$ -		\$ -	\$ -	\$ 21,200					
3.9	West Valley Water District		4	16									56	132	\$ 20,800	\$ 400	\$ 21,200					-	\$ -		\$ -	\$ -	\$ 21,200					
3.1	Yucaipa Valley Water District		2	8									4	18	\$ 3,680	\$ 100	\$ 3,780					-	\$ -		\$ -	\$ -	\$ 3,780					
3.11	Big Bear City CSD													-	\$ -	\$ -	\$ -					-	\$ -		\$ -	\$ -	\$ -					
	<b>SUBTOTAL</b>	<b>-</b>	<b>38</b>	<b>152</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>508</b>	<b>1,206</b>	<b>\$ 190,880</b>	<b>\$ 3,700</b>	<b>\$ 194,580</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 194,580</b>					
4	Integrated Regional UWMP																															
4.1	Prepare Draft and Final Document		8	8	24								40	112	\$ 20,360	\$ 400	\$ 20,760	6	16			22	\$ 4,614		\$ 4,614	\$ 461	\$ 25,835					
4.2	Final Electronic Deliverables			2	8								8	26	\$ 4,740	\$ 100	\$ 4,840		8			8	\$ 1,536		\$ 1,536	\$ 154	\$ 6,530					
	<b>SUBTOTAL</b>	<b>-</b>	<b>8</b>	<b>10</b>	<b>32</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>48</b>	<b>138</b>	<b>\$ 25,100</b>	<b>\$ 500</b>	<b>\$ 25,600</b>	<b>6</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>30</b>	<b>\$ 6,150</b>	<b>\$ -</b>	<b>\$ 6,150</b>	<b>\$ 615</b>	<b>\$ 32,365</b>					
	<b>COLUMN TOTALS</b>	<b>18</b>	<b>84</b>	<b>251</b>	<b>60</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>40</b>	<b>-</b>	<b>750</b>	<b>548</b>	<b>16</b>	<b>1,791</b>	<b>\$ 305,170</b>	<b>\$ 6,000</b>	<b>\$ 311,170</b>	<b>110</b>	<b>200</b>	<b>24</b>	<b>8</b>	<b>342</b>	<b>\$ 73,382</b>	<b>\$ 1,100</b>	<b>\$ 74,482</b>	<b>\$ 7,448</b>	<b>\$ 393,100</b>					

10% mark-up on direct expenses; 10% mark-up for sub-contracted services  
Standard mileage rate \$0.57 per mile (or current Federal Mileage Reimbursement Rate)  
Airplane mileage rate \$1.27 per mile (or current Federal Airplane Mileage Reimbursement Rate)  
Rates are subject to revision as of January 1 each year.

expect**WSC**.com







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**DATE:** September 15, 2020

**TO:** Board of Directors

**FROM:** Wen Huang, Chief Engineer/ Deputy General Manager  
Mike Esquer, Senior Project Manager  
Brent Adair, Project Manager

**SUBJECT:** Consider Awarding Contract to Borden Excavating, Inc. for Construction of the Waterman Hydroelectric Project

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The purpose of this memorandum is to summarize the bidding process for construction of the Waterman Hydroelectric Project (Project). At the Joint Board Meeting with the City of San Bernardino Municipal Water Department (SBMWD) on January 30, 2019, the Board agreed to partner with SBMWD for the development of the Project. In accordance with the Partnership Agreement, Valley District and SBMWD each will pay 50% of the design and capital costs and ongoing O&M and improvements for the Project. This item was discussed with the Board at the Engineering Workshop on September 8, 2020 and is being forwarded to the full Board for consideration. Staff recommends that the Board of Directors award this construction contract to Borden Excavating, Inc. (BEI) and authorize the Chief Executive Officer (CEO)/General Manager (GM) to contract professional firms for associated special inspection and material testing.

**Discussion:**

The Board of Directors approved a design and engineering service contract with NLine Energy for the development of a hydroelectric generation facility at the Waterman Turnout at its meeting on May 6, 2014. The intent of the Project is to design and construct a 1-MW hydroelectric generation facility and provide modifications and upgrades at the site. Subsequently, the Board of Directors approved the procurement of the turbine, generator, switchgear, programmable logic control systems, meters, actuators and valves for the Project. NLine Energy estimated construction costs of the Project at \$2.5M.

Following the completion of the design for the Project, Staff advertised the Project for bids in June 2020 and received bids on August 13, 2020. Nine (9) bids were opened at the bid opening, ranging from approximately \$2.253M to \$3.789M. The three lowest bidders (lowest to highest) are BEI (\$2,252,000), Environmental Construction, Inc. (\$2,657,153), and Kiewit Infrastructure West Co. (\$2,941,000). A bid opening report and a comparison summary are attached to this memorandum for review.

Subsequent to the Bid Opening, Environmental Construction, Inc. sent correspondence with a request to withdraw their bid due to a clerical error causing their bid proposal to be materially different from their original intent. The error was made in completing the proposal and not due to error in judgement, carelessness in inspecting the work site or in reading the plans and specifications. The reason cited in the Environmental Construction, Inc. Request to Withdraw Bid correspondence is consistent with the General Construction Public Contract Code Sections 5103 (a) through (d) and made within the specified five (5) working days.

The remaining two lowest bid proposals were found to be complete. Upon thorough review of the bid packages, Staff concluded that BEI is a responsible and responsive bidder that submitted the lowest bid at \$2,252,000 although BEI's bid contains some irregularities (attached). BEI's bid package has been reviewed by District Special Construction Counsel, Mary Salamone, who concluded that the irregularities are not of a nature which would affect the amount of the bid and do not give the bidder an unfair competitive advantage and the Board of Directors has the right to waive them as inconsequential deviations from the bidding instructions. BEI recently completed a small project for the District as part of the Citrus Pump Station construction and was found to be reasonable on construction change orders and willing to work through issues. Staff contacted several references and all responses indicated BEI had performed satisfactory work. Staff recommend that the Board of Directors waive these minor irregularities and award the construction contract to BEI.

In addition, Staff recommends that the Board of Directors authorize contingent costs of up to ten (10) percent above the contract amount, or \$225,200. The contingency costs will be used to cover unknown and unforeseen circumstances or improvements (betterments) to the Project during construction. Any approved contingency over the contract amount will be presented and discussed at future Board of Directors' workshops.

In order to ensure the facilities are constructed in accordance with the design specifications and will function correctly after completion, proper materials testing and inspection during construction is essential. It is anticipated that the construction management and day-to-day inspection for the project will be handled by Valley District staff. However, due to the specialty nature of certain testing and inspections, such as soils testing, concrete sampling, electrical, controls programming, and welding inspection will be contracted with professional firms specialized in certain areas. Among specialty services firms, which most will be identified later, Staff is proposing to contract NLine Energy for engineering services in support of staff in review of submittals, change orders and necessary design revision during construction, start-up and commissioning of the Project. Staff recommend the Board of Directors authorize the CEO/GM to contract professional firms for associated special inspection and material testing up to a budget amount of \$123,900 (5.5% of contract).

In accordance with the Agreement for Financing, Construction, Operation, and Maintenance of Project, SBMWD will be responsible for an estimated amount of \$1.27M of \$2.60M for the construction, contingency and inspection costs related to the hydroelectric facilities. The remaining \$1.33M will be paid for by Valley District, including 50% of the costs for constructing the hydroelectric generation facilities in the amount of \$1.27M and for the facilities that provide regional benefits, including improvements to the Line Valve 1 and 2 valve and meter vaults.

**Fiscal Impact:**

The associated Project construction and inspection costs of approximately \$2.6M are included in the approved FY 2020-2021 General Fund Budget. Additionally, in accordance with the Agreement with SBMWD, SBMWD will be responsible for approximately \$1.27M, which is part of the installment payments made by SBMWD for the construction of the hydroelectric generation facility over a 3-year term, beginning in 2019.

**Recommendations:**

Staff recommends the Board take the following actions:

1. Waive minor irregularities found in BEI's bid package.
2. Award the construction of the Waterman Hydroelectric Project to BEI based on the bid amount of \$2,252,000 and authorize the Board President to execute the agreement with BEI;

3. Authorize the CEO/General Manager to approve contingent costs of up to ten (10) percent above the contract amount, or \$225,200 and;
4. Authorize the General Manager to contract with professional inspection and material testing firms for the Project up to a budgetary amount of \$123,900 using established selection procedures.

**Attachments:**

1. Bid Opening Report and Bid Summary
2. BEI Bid Package
3. BEI Bid Irregularity Table

## SPECIFICATION 18-02

### WATERMAN HYDROELECTRIC PROJECT

### BID OPENING

Date: August 13, 2020

Bid Due By: 10:30AM Bid Opening Time: 1:00 PM (via ZOOM MEETING)

ENGINEER'S ESTIMATE: \$4,361,200

<u>Name of Bidder</u>	<u>Bid Bond</u>	<u>Addenda 1-4 Acknowledged</u>	<u>Bid Amount</u>	
MMC, Inc.	<input checked="" type="checkbox"/> Yes or No	<input checked="" type="checkbox"/> Yes or No	3,744,000. <sup>00</sup>	
Trinity Construction, Inc.	<input checked="" type="checkbox"/> Yes or No	<input checked="" type="checkbox"/> Yes or No	3,659,832. <sup>66</sup>	
Borden Excavating, Inc.	<input checked="" type="checkbox"/> Yes or No	<input checked="" type="checkbox"/> Yes or No	2,252,500. <sup>00</sup>	1
Kiewit Infrastructure West Co.	<input checked="" type="checkbox"/> Yes or No	<input checked="" type="checkbox"/> Yes or No	2,941,000. <sup>00</sup>	3
SCW Contracting	<input checked="" type="checkbox"/> Yes or No	<input checked="" type="checkbox"/> Yes or No	3,308,000. <sup>00</sup>	
Pacific Hydrotech Corp.	<input checked="" type="checkbox"/> Yes or No	<input checked="" type="checkbox"/> Yes or No	3,240,000. <sup>00</sup>	
Environmental Construction, Inc.	<input checked="" type="checkbox"/> Yes or No	<input checked="" type="checkbox"/> Yes or No	2,657,153. <sup>00</sup>	2
Metro Builders & Engineers Group, Ltd	<input checked="" type="checkbox"/> Yes or No	<input checked="" type="checkbox"/> Yes or No	3,788,980. <sup>00</sup>	
Caliagua, Inc.	<input checked="" type="checkbox"/> Yes or No	<input checked="" type="checkbox"/> Yes or No	3,581,715. <sup>00</sup>	
	Yes or No	Yes or No		
	Yes or No	Yes or No		

**Board of Directors and Officers**

JUNE HAYES  
Division 1

GIL NAVARRO  
Division 2

SUSAN LONGVILLE  
Division 3

T. MILFORD HARRISON  
Division 4

PAUL R. KIELHOLD  
Division 5

HEATHER P. DYER  
General Manager

San Bernardino Valley MWD  
 SPECIFICATION 18-02 WATERMAN HYDROELECTRIC PROJECT  
 BID OPENING DATE: AUGUST 13, 2020 1:00PM  
 BIDDERS' Bid Schedule - REVIEW - AUG, 20,2020

Bid Item	Description	Estimated Quantity	Units	ENGINEER'S ESTIMATE	BORDEN EXCAVATING, INC.	ENVIRONMENTAL CONSTRUCTION, INC.	KIEWIT INFRASTRUCTURE WEST CO.	PACIFIC HYDROTECH CORP.	SCW CONTRACTING CORP.	CALIAGUA, INC.	TRINITY CONSTRUCTION CORP.	MMC, INC.	METRO BUILDINGS & ENGINEERS GROUP, LTD.
				Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
1	Bond and Insurance	1	LS	\$ 58,000.00	\$ 50,000.00	\$ 40,000.00	\$ 25,000.00	\$ 20,000.00	\$ 43,000.00	\$ 81,708.00	\$ 127,606.83	\$ 80,000.00	\$ 75,000.00
2	Mobilization	1	LS	\$ 152,000.00	\$ 50,000.00	\$ 100,000.00	\$ 140,000.00	\$ 160,000.00	\$ 116,000.00	\$ 169,658.00	\$ 151,095.75	\$ 150,000.00	\$ 375,375.00
3	Demolition	1	LS	\$ 33,400.00	\$ 50,000.00	\$ 86,950.00	\$ 75,000.00	\$ 116,100.00	\$ 40,000.00	\$ 72,807.00	\$ 172,907.76	\$ 150,000.00	\$ 85,175.00
4	Site Work	1	LS	\$ 58,348.00	\$ 200,000.00	\$ 57,490.00	\$ 60,000.00	\$ 254,000.00	\$ 232,000.00	\$ 280,656.00	\$ 317,423.48	\$ 125,000.00	\$ 379,100.00
5	Transmission Main Tie-In	1	LS	\$ 39,000.00	\$ 170,000.00	\$ 71,862.00	\$ 30,000.00	\$ 205,900.00	\$ 28,000.00	\$ 61,999.00	\$ 208,654.85	\$ 185,000.00	\$ 155,275.00
6	Cast-In-Place Concrete	1	LS	\$ 366,800.00	\$ 270,000.00	\$ 372,835.00	\$ 900,000.00	\$ 615,100.00	\$ 845,000.00	\$ 824,806.00	\$ 548,332.19	\$ 500,000.00	\$ 728,600.00
7	Precast Concrete Building	1	LS	\$ 700,800.00	\$ 525,000.00	\$ 731,266.00	\$ 631,000.00	\$ 874,200.00	\$ 650,000.00	\$ 610,134.00	\$ 739,023.11	\$ 750,000.00	\$ 746,400.00
8	Piping, Valves & Appurtenances	1	LS	\$ 144,600.00	\$ 200,000.00	\$ 144,502.00	\$ 175,000.00	\$ 41,400.00	\$ 375,000.00	\$ 458,679.00	\$ 264,260.51	\$ 514,000.00	\$ 158,700.00
9	Waterman Turnout Facilities	1	LS	\$ 148,300.00	\$ 30,000.00	\$ 113,619.00	\$ 75,000.00	\$ 78,900.00	\$ 92,000.00	\$ 160,422.00	\$ 134,110.95	\$ 100,000.00	\$ 61,930.00
10	Line Valve & Meter Vaults	1	LS	\$ 66,000.00	\$ 70,000.00	\$ 161,980.00	\$ 40,000.00	\$ 246,500.00	\$ 165,000.00	\$ 95,696.00	\$ 91,454.50	\$ 200,000.00	\$ 230,675.00
11	Security Fencing	1	LS	\$ 200,650.00	\$ 75,000.00	\$ 159,319.00	\$ 150,000.00	\$ 130,000.00	\$ 190,000.00	\$ 192,279.00	\$ 181,188.24	\$ 200,000.00	\$ 155,250.00
12	SCE Added Facilities	1	LS	\$ 102,000.00	\$ 500,000.00	\$ 515,030.00	\$ 40,000.00	\$ 35,400.00	\$ 64,000.00	\$ 63,617.00	\$ 141,299.56	\$ 120,000.00	\$ 237,500.00
13	Electrical Systems & Instrumentation	1	LS	\$ 330,000.00	\$ 60,000.00	\$ 82,300.00	\$ 550,000.00	\$ 450,800.00	\$ 422,000.00	\$ 445,661.00	\$ 543,183.65	\$ 620,000.00	\$ 375,000.00
14	Testing, Startup & Commissioning	1	LS	\$ 100,000.00	\$ 2,500.00	\$ 20,000.00	\$ 50,000.00	\$ 11,700.00	\$ 46,000.00	\$ 42,721.00	\$ 39,291.30	\$ 50,000.00	\$ 25,000.00
<b>TOTAL BID PRICE</b>				\$ 2,499,898.00	\$ 2,252,500.00	\$ 2,657,153.00	\$ 2,941,000.00	\$ 3,240,000.00	\$ 3,308,000.00	\$ 3,560,843.00	\$ 3,659,832.68	\$ 3,744,000.00	\$ 3,788,980.00
										\$ 3,581,715.00			
										\$ (20,872.00)			

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
SAN BERNARDINO, CALIFORNIA**

**BID PROPOSAL FORM**

**WATERMAN HYDROELECTRIC PROJECT**

The undersigned submits this Proposal in response to the Notice Inviting Bids issued by the District to construct the Work of the following project in accordance with the Contract Documents:

**WATERMAN HYDROELECTRIC PROJECT - SPECIFICATION 18-02**

A. Enclosed herewith and by this reference incorporated herein and made a part of this Bidder's Proposal are the following completed forms:

1. Bid Schedule
2. Affidavit of Non-collusion
3. Bid Security in the following form (*check one*):
 

Cashier's Check     Certified Check     Bid Bond
4. Designation of Subcontractors
5. Bidder's Statement of Qualifications
6. Workers' Compensation Insurance Certification

B. Acknowledgment of Addenda. The Bidder acknowledges receipt of following Addenda:

<u>Addendum No.</u>	<u>Description</u>	<u>Date Received</u>
1	DWG + spec revisions	7-17-20
2	Bid Rate Change	7-21-20
3	Responses to bidder questions	8-05-20
4	Responses to bidder Questions	8-08-20

If an Addendum has been issued by the District and not noted above as being received by the Bidder, the Proposal may be rejected.

C. Inspection of the Work and Contract Documents. Bidder certifies that it has carefully examined and is fully familiar with all of the provisions of the bidding documents and said bidding documents contain sufficient detail regarding the Work to be performed; that it has notified District of any errors or omissions in the bidding documents and/or any unusual site conditions; and that it has carefully checked all words, prices, and statements in this Proposal. Bidder hereby certifies that he/she and his/her subcontractors have inspected the site and related drawings and specifications of Work and fully acquainted themselves with all conditions and matters which may in any way affect the Work, time of completion or the costs thereof. Bidder also certifies he/she has observed the designated contractor Work areas and access routes, if disclosed or shown, as part of the Work in this Contract. Bidder agrees that all costs of Work shown in the bidding documents, including work reasonably inferable therefrom and necessary thereto are included in his/her Total Base Bid Price. All Work shown in the bidding documents for which a specific line item is not provided in the Bid Schedule is included in the Total Base Bid Price. Bidder agrees that the District will not be responsible for any errors or omissions on the part of the undersigned in making this Proposal. Bidder agrees and understands that any geotechnical report attached to the Contract Documents is provided for informational purposes only and that Bidder shall not rely upon any such report in preparing his/her Bid.

D. Forfeiture of Bid Security. Bidder further agrees that, in case of his/her default in executing the required Contract and the required bonds, or furnishing the required insurance, the money payable under the Bid Security accompanying this Proposal shall be applied by the District towards payment of the damage to the District on account of such default.

E. Period of Irrevocability. Bidder agrees that this Proposal shall remain open and shall not be withdrawn for a period of not less than ninety (90) calendar days from the date of bid opening, or until rejected by the District, whichever period is shorter.

F. Bid Dispute Indemnification. In the event of a bid dispute based upon the Bidder's submission of this Proposal and the District acceptance of same, the Bidder shall indemnify, defend, and hold harmless at its expense, including the provision of legal counsel, the District, its agents, employees, and officers from liability, claims, demands, damages, and costs if such dispute or action arises solely upon the award of a Contract in compliance with federal, state, and local laws.

I hereby certify under penalty of perjury under the laws of the State of California that the representations made herein are true and correct.

Executed this 22 day of July, 2020 at Calimesa, California  
City State

Name of Bidder

Company: Borden Excavating, Inc.

Signed: 

Print Name: Shaun Borden Title: President

Address: 1014 2nd Street, Calimesa CA 92320



Contact Person: Nathan Mcgrand  
 Telephone Number: ( 951 ) 334-9320  
 Fax Number: ( 909 ) 795-5354  
 E-mail: nathan@bordenpipe.com  
 Contractor's License No.: 741879  
 License Class: Class A  
 Expiration Date: 6/30/2021  
 Tax Identification No.: 80-0546383  
 Surety: U.S. Specialty Insurance Company

#### FORM OF ENTITY OF BIDDER

Corporation:  
 State of Incorporation S Corp., California  
 President: Shaun Borden  
 Secretary: Shaun Borden

Partnership:  
 Name of all Partners: N/A  
 \_\_\_\_\_  
 \_\_\_\_\_

Joint Venture:  
 Name of all Joint Venturers: N/A  
 \_\_\_\_\_  
 \_\_\_\_\_

Sole Proprietorship:  
 All d/b/a's: N/A  
 \_\_\_\_\_

[If the bidder is a corporation, then enter state or county of incorporation in addition to the business address and include an Incumbency Certificate (see next page) executed by a Secretary thereof in the form set forth on the following page listing each officer with signing authority and his/her corresponding office. If the bidder is a partnership or joint venturer stating that the respective partner or joint venturer agrees to be held jointly and severally liable for any and all of the duties and obligations of the bidder under the Bid and under any contract arising therefrom. Attach evidence to the Bid Proposal Form that the individual signing has authority to do so.]

[END OF DOCUMENT]

**INCUMBENCY CERTIFICATE**

The undersigned hereby certifies to the San Bernardino Valley Municipal Water District that he/she is the duly elected and acting Secretary of Borden Excavating, Inc. (the "Company"), and that, as such, he/she is authorized to execute this Incumbency Certificate on behalf of the Company, and further certifies that the persons named below are the duly elected, qualified and acting officers of the Company, holding on the date hereof the offices set forth opposite their names and are authorized to sign this Bid Proposal Form and Bid Schedule.

<u>NAME</u>	<u>OFFICE</u>
Shaun Borden	1014 2nd Street, Calimesa CA 92320
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

IN WITNESS WHEREOF, the undersigned has executed this Incumbency Certificate this 22nd day of July, 2020.



Shaun Borden  
Secretary

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
SAN BERNARDINO, CALIFORNIA**

**BID SCHEDULE**

**WATERMAN HYDROELECTRIC PROJECT**

NAME OF BIDDER: Borden Excavating, Inc.

The undersigned hereby declare that we have carefully examined the location of the proposed Work, and have read and examined the Contract Documents, including all plans, specifications, and all Addenda, if any, for the following Project:

WATERMAN HYDROELECTRIC PROJECT - SPECIFICATION 18-02

We hereby propose to furnish all labor, materials, equipment, tools, transportation, and services and to discharge all duties and obligations necessary and required to perform and complete the Project for the following TOTAL BID PRICE:

BID ITEM NO.	DESCRIPTION	UNIT OF MEASURE	EST. QTY	UNIT PRICE	ITEM COST
1	Bonds & Insurance	LS	1	50,000 <sup>00</sup>	50,000 <sup>00</sup>
2	Mobilization	LS	1	50,000 <sup>00</sup>	50,000 <sup>00</sup>
3	Demolition	LS	1	50,000 <sup>00</sup>	50,000 <sup>00</sup>
4	Site Work	LS	1	200,000	200,000 <sup>00</sup>
5	Transmission Main Tie-In	LS	1	170,000	170,000 <sup>00</sup>
6	Cast-In-Place Concrete	LS	1	270,000	270,000 <sup>00</sup>
7	Precast Concrete Building	LS	1	525,000 <sup>00</sup>	525,000 <sup>00</sup>
8	Piping, Valves & Appurtenances	LS	1	200,000 <sup>00</sup>	200,000 <sup>00</sup>
9	Waterman Turnout Facilities	LS	1	30,000 <sup>00</sup>	30,000 <sup>00</sup>
10	Line Valve & Meter Vaults	LS	1	70,000 <sup>00</sup>	70,000 <sup>00</sup>

BID ITEM NO.	DESCRIPTION	UNIT OF MEASURE	EST. QTY	UNIT PRICE	ITEM COST
11	Security Fencing	LS	1	75,000 <sup>00</sup>	75,000 <sup>00</sup>
12	SCE Added Facilities	LS	1	500,000 <sup>00</sup>	500,000 <sup>00</sup>
13	Electrical Systems & Instrumentation	LS	1	60,000 <sup>00</sup>	60,000 <sup>00</sup>
14	Testing, Startup & Commissioning	LS	1	2500 <sup>00</sup>	2500 <sup>00</sup>

In case of discrepancy between the unit price and the item cost set forth for a unit basis item, the unit price shall prevail and shall be utilized as the basis for determining the lowest responsive, responsible bidder. However, if the amount set forth as a unit price is ambiguous, unintelligible or uncertain for any cause, or is omitted, or is the same amount as the entry in the "Item Cost" column, then the amount set forth in the "Item Cost" column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price. Said unit price shall be utilized as the basis for determining whether the bidder is responsive and responsible. Final payment shall be determined by the Engineer from measured quantities of Work performed based on the unit price.

TOTAL BID PRICE:

\$ 2,252,500.00

Total Bid Price in Numbers

Two million two hundred fifty two thousand five

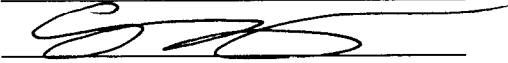
Total Bid Price in Written Form

hundred  
dollars

In case of discrepancy between the written price and the numerical price, the written price shall prevail.

I hereby certify under penalty of perjury under the laws of the State of California that all of the information submitted in connection with this Bid and all of the representations made herein are true and correct.

Name of Bidder: Borden Excavating, Inc.

Signature: 

Name and Title: Shaun Borden, President

Dated: 07/22/2020

[END OF DOCUMENT]

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
SAN BERNARDINO, CALIFORNIA**

**BIDDER'S STATEMENT OF QUALIFICATIONS**

**WATERMAN HYDROELECTRIC PROJECT**

(Bidder should attach and properly designate additional pages as necessary)

**BIDDER CERTIFIES THAT THE FOLLOWING INFORMATION IS TRUE AND CORRECT:**

Bidder's Name: Borden Excavating, Inc.

Business Address: 1014 2nd Street, Calimesa CA 92320

Telephone Number: 951-334-9320 Fax Number: 909-795-5354

State Contractors License No. and Class: 741879 Class A

Original Date Issued: 10/28/1997

Expiration Date: 06/30/2020

**A. ORGANIZATION**

1. How many years has your organization been in business as a contractor?

12 Years

2. How many years has your organization been in business under its present name?

12 Years

- 2.1 Under what other names has your organization operated?

Borden Excavating, Inc.

3. If your organization is a corporation or a limited liability company, answer the following:

3.1 Date of incorporation/organization: 01/30/2009

3.2 State of incorporation/organization: California

3.3 Corporate ID number: 30891204

3.4 Name of President or Manager(s): Shaun Borden, President

4. If your organization is a partnership, answer the following:

4.1 Date of organization/formation: N/A

4.2 Type of partnership (if applicable): N/A

4.3 Name(s) of general partner(s): N/A

4.4 List all states in which you are registered and state ID numbers for each:

N/A

5. If your organization is individually owned, answer the following:

5.1 Date of organization: N/A

5.2 Name of owner: N/A

6. If the form of your organization is other than those listed above, describe it and name the principals:

N/A

B. FINANCIAL INFORMATION

1. List trade references:

Core & Main

Western Water Works

S&J Supply

Western Rentals

2. List bank references including bank name and address:

Chase Bank, 1195 Calimesa Blvd., Calimesa, CA 92320

909-446-0208

3. Has any principal having an interest in this proposal ever been the subject of any voluntary or involuntary bankruptcy filing? If your answer is "Yes", please explain and provide case number, date of filing, and current status of bankruptcy action.

NO

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4. Are there any judgments, arbitration proceedings or lawsuits pending or outstanding against your organization or its officers? If your answer is "Yes", please explain and include the date of filing, the amount of any judgment/award, the name of any adverse party, and the current status.

NO

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C. LICENSING

1. List jurisdictions in which your organization is legally qualified to do business, indicate registration or license numbers, and category of license, if applicable.

State of California, 741879 Class A

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2. List any licensing suspensions and/or violations assessed against your organization within the past five years.

N/A

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D. EXPERIENCE AND TECHNICAL QUALIFICATIONS

1. List major construction projects your organization currently has in progress, giving the name of the project, owner, contract amount, percent complete and scheduled completion.

Project	Owner	Contract Amount	Percent Complete	Complete Date
2018 USDA Pipeline Replacement	City of Big Bear Department of Water & Power	4,736,077.00	50%	10/15/2020

Project	Owner	Contract Amount	Percent Complete	Complete Date

2. List the ten most recent projects your organization has completed within the past five years, giving the name of project, owner, contract amount, period of performance and cost of the work. Please include those projects which are similar enough to demonstrate bidder's capability to perform required Work.

Project Client	Description of Bidder's Work	Period of Performance	Cost of Bidder's Work
City of Redlands	60,000 LF of 8-inch water	2019-2020	9,404,909.00
JCSD	7,918 LF of 8 & 12 inch Water	2019	1,919,224.00
DWA	16,870 LF of 8-inch and 12-Inch DIP and Appurtenances.	2020	3,090,079.00
IWA	14,686 LF of 8 & 12 inch Water	2018-2019	2,915,267.00
DWA	13,120 LF of 8-inch and 3,820 LF of 12-Inch DIP and Appurtenances.	2018	3,465,563.00
City of Colton	16,740 LF of 24-inch DIP, 110 LF of 42-inch steel casing 1,000,000 SF of grind & overlay	2018	4,886,844.00
San Bernardino Valley Municipal Water District	Pump Station project with complex connections, submersible pump and motor, tanks, UV disinfection units, shade structure and associated electrical equipment.	2016-2017	444,222.000
YVWD	*Installation of 30-inch Ductile Iron Pipe and 30-inch Welded Steel Pipe, including various laterals, valves, and appurtenances. 12-inch Ductile Iron Pipe including various laterals, valves, and appurtenances. Removal and replacement of AC base and curb pavement, as detailed in the Contract Documents.	2015	528,380.00
IWA	Chromium -6 Treatment Plants, with very fast schedule and complex scheduling	2015-2016	2,456,075.00
EVMWD	4,780 LF of 12-inch PVC waterline & replacing existing Fire Hydrants, Valves & water services.	2016	1,827,555.00

3. List a client reference for each of the projects listed in response to Item No. 2 above.

Project Client	Name of Reference	Email Address	Telephone No.
City of Redlands	Goutam K. Dobey	gdobey@cityofredlands.org	909-798-7584
JCSD	Kieth Backus	kbackus@jcsd.us	951-332-6464
DWA	Sarah Rapolla	Sarah@dwa.org	760-323-4971



Project Client	Name of Reference	Email Address	Telephone No.
IWA	Miguel Pena	mpena@indio.org	760-625-1852
City of Colton	Jess Soto	JSotto@coltonca.gov	909-370-5551
San Bernardino Valley Municipal Water District	Aaron Jones	aaronj@sbumwd.com	909-387-9254
YVWD	Pat Watson	pwatson@kriegerandstewart.com	951-684-6900
EVMWD	Daria Yegorova	dyegorova@iecorporation.com	760-586-5146

4. State average annual amount of construction work performed during the past five years:

12,000,000.00

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5. Personnel:

The Bidder shall identify the key personnel to be assigned to this Project in a management, construction supervision or engineering capacity. (Attach additional sheets, if necessary.)

- 5.1 List each person's job title, name and percent of time to be allocated to this Project:

James Borden 100%

---

Shaun Borden, President 100%

---

Nathan McGrand, PM

---

- 5.2 Summarize each person's specialized education:

James Borden, has over 30 years experience in water & sewer construction with the vast majority in pump & lift stations, water & sewer treatment plants & large diameter pipelines.

---

Shaun started pipeline construction in 1988 in a family owned business. He then moved to Kenko in 1990 where he worked on some of the largest projects in California. Shaun supervised work on contracts for Los Angeles Department of Water and Power (DWP), Metropolitan Water District (MWD), California Department of Water Resources (DWR) and Los Angeles County Sanitation District (LACSD).

---

- 5.3 List each person's years of construction experience relevant to the Project:

Project Client	Name of Reference	Email Address	Telephone No.
IWA	Miguel Pena	mpena@indio.org	760-625-1852
City of Colton	Jess Soto	JSotto@coltonca.gov	909-370-5551
San Bernardino Valley Municipal Water District	Aaron Jones	aaronj@sbumwd.com	909-387-9254
YVWD	Pat Watson	pwatson@kriegerandstewart.com	951-684-6900
EVMWD	Daria Yegorova	dyegorova@iecorporation.com	760-586-5146

4. State average annual amount of construction work performed during the past five years:

12,000,000.00

---

5. Personnel:

The Bidder shall identify the key personnel to be assigned to this Project in a management, construction supervision or engineering capacity. (Attach additional sheets, if necessary.)

- 5.1 List each person's job title, name and percent of time to be allocated to this Project:

James Borden 100%

---

Shaun Borden, President 100%

---

Nathan McGrand, PM

---

- 5.2 Summarize each person's specialized education:

James Borden, has over 30 years experience in water & sewer construction with the vast majority in pump & lift stations, water & sewer treatment plants & large diameter pipelines.

---

Shaun started pipeline construction in 1988 in a family owned business, he then moved to Kenko in 1990 where he worked on some of the largest projects in California. Shaun supervised work on contracts for Los Angeles Department of Water and Power (DWP) Metropolitan Water District (MWD) California Department of Water Resources (DWR) and Los Angeles County Sanitation District (LACSD).

---

Nathan McGrand has been in the underground business since 1994, primarily installing large diameter waterlines throughout the United States.

---

- 5.3 List each person's years of construction experience relevant to the Project:

3. In the last five years has your firm been denied an award of a public works contract based on a finding by a public agency that your company was not a responsible bidder? If your answer is "Yes", please explain and identify the year of the event, the owner, the project, and the basis for the finding by the public agency.

NO

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4. Has your organization ever been assessed liquidated damages on any public work of improvement? If your answer is "Yes", please explain.

NO

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5. Has your organization filed any lawsuits or requested arbitration against a public owner with regard to construction within the last five (5) years? If your answer is "Yes", please explain.

NO

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6. Have you or, if bidder is a corporation, any principal of the corporation ever been convicted of a felony? If your answer is "Yes", please explain the details of that conviction and, if so, whether you or said officer have served his/her sentence.

NO

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7. Have you or your company ever been charged by any governmental agency for failure to follow safety procedures? If your answer is "Yes", please explain.

NO

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8. Has any governmental agency ever submitted a complaint against you to the California State Labor Commission for failure to submit certified payrolls? If your answer is "Yes", please provide the details of such complaint.

NO

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9. Within the last five years, has any officer or principal of your organization ever been an officer of another organization when it failed to complete a construction contract? If your answer is "Yes", please explain.

NO

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10. At any time during the past five years, has any surety company made any payments on your firm's behalf, as a result of a default, to satisfy any claims made against a performance or payment bond issued on your firm's behalf, in connection with a construction project, either public or private? If "yes," please explain each such claim, the name and telephone number of the claimant, the date of the claim, the grounds for the claim, the present status of the claim, the nature of any resolution and the amount, if any, at which the claim was resolved.

NO

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11. In the last five years has any insurance carrier, for any form of insurance, refused to renew the insurance policy for your firm? If your answer is "Yes", please explain and name the insurance carrier, the form of insurance, and the year of refusal.

NO

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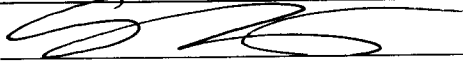
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**Additional Bidder's Statement:**

If the Bidder believes that there is additional information which has not been included in the questionnaire above, and which would contribute to the qualification review, it may add that information in a statement here or on an attached sheet, appropriately marked.

I declare under penalty of perjury under the laws of the State of California that the foregoing information is true and correct:

Name of Bidder: Borden Excavating, Inc.  
Signature:   
Name and Title: Shaun Borden, President  
Dated: 07/22/2020

**BID BOND**

*(Not necessary when cash, certified or cashier's check accompanies Bid)*

**KNOW ALL MEN BY THESE PRESENT,**

That we, Borden Excavating, Inc., the undersigned Bidder, as Principal and U.S. Specialty Insurance Company, as Surety, our respective heirs, executors, administrators, successors and assigns, are jointly and severally and firmly bound, unto the **SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT** (hereinafter "Obligee") for payment of the penal sum hereof in lawful money of the United States, as more particularly set forth herein.

**THE CONDITION OF THIS OBLIGATION IS SUCH THAT:**

WHEREAS, the Principal has submitted the accompanying Bid for the WATERMAN HYDROELECTRIC Project and the Bid must be accompanied by bid security.

WHEREAS, subject to the terms of this Bond, the Surety is firmly bound unto the Obligee in the penal sum of \$ Ten Percent of Total Bid Amount representing ten percent (10%) of the total amount of the Bid on the base contract work submitted by the Principal to the Obligee, as set forth above.

NOW THEREFORE, if the Principal does not withdraw its Bid within the period specified in the Contract Documents, and if the Principal is awarded the Contract and provides all documents to the District as required by the Contract Documents, then this obligation shall be null and void and of no effect. Otherwise, this bond will remain in full force and effect.

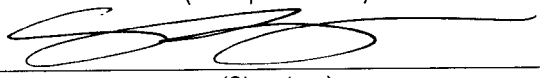
In the event that suit or other proceeding is brought upon this Bond by the Obligee, the Surety shall pay to the Obligee all costs, expenses and fees incurred by the Obligee in connection therewith, including without limitation, attorneys' fees and costs.

IN WITNESS WHEREOF, the Principal and Surety have executed this instrument this 15th day of July, 20 20 by their duly authorized agents or representatives

**BIDDER:**

(Corporate Seal)

Borden Excavating, Inc.  
(Principal's Name)

By:   
(Signature)

Shaun Borden - President  
(Typed or Printed Name and Title)

1014 2nd Street, Calimesa, CA 92320  
(Address)

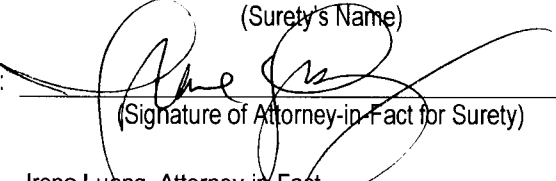
[CONTINUED ON NEXT PAGE]

**SURETY:**  
(Corporate Seal)



(Attach Attorney-in-Fact Certificate)

U.S. Specialty Insurance Company  
\_\_\_\_\_  
(Surety's Name)

By:   
\_\_\_\_\_  
(Signature of Attorney-in-Fact for Surety)

Irene Luong, Attorney-in-Fact  
\_\_\_\_\_  
(Typed or Printed Name)

24800 Chrisanta Drive, Suite 160, Mission Viejo, CA 92691  
\_\_\_\_\_  
(Address of Surety's Office where Bond is issued)

(713) 462-1000  
\_\_\_\_\_  
(Area Code and Telephone Number of Surety)

**NOTARIAL CERTIFICATION OF ATTORNEY IN FACT, CORPORATION SEAL  
AND SURETY SEAL MUST BE ATTACHED**

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

County of Orange

On JUL 15 2020 before me, Daisy Reyes, Notary Public,  
Date Insert Name of Notary exactly as it appears on the official seal

personally appeared Irene Luong

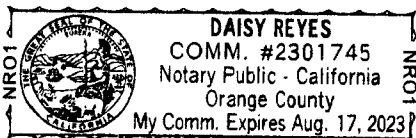
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

Signature Daisy Reyes  
Signature of Notary Public Daisy Reyes



Place Notary Seal Above

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of the form to another document.

### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

RIGHT THUMBPRINT OF SIGNER  
Top of thumb here

Signer is Representing:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

RIGHT THUMBPRINT OF SIGNER  
Top of thumb here

Signer is Representing:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Riverside }

On August 12, 2020 before me, Peyton Underwood, notary  
(Here insert name and title of the officer)

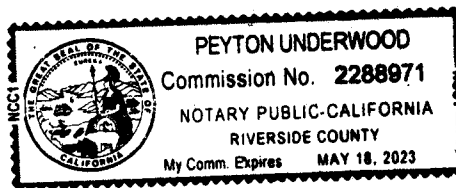
personally appeared Shavn Burden,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public Signature

(Notary Public Seal)



### ADDITIONAL OPTIONAL INFORMATION

#### DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages \_\_\_\_\_ Document Date \_\_\_\_\_

#### CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
- Corporate Officer

\_\_\_\_\_  
(Title)

- Partner(s)
- Attorney-in-Fact
- Trustee(s)
- Other \_\_\_\_\_

### INSTRUCTIONS FOR COMPLETING THIS FORM

*This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he/she/they~~ - is /are ) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - ❖ Indicate title or type of attached document, number of pages and date.
  - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.



**TOKIOMARINE  
HCC**

**POWER OF ATTORNEY  
AMERICAN CONTRACTORS INDEMNITY COMPANY TEXAS BONDING COMPANY  
UNITED STATES SURETY COMPANY U.S. SPECIALTY INSURANCE COMPANY**

KNOW ALL MEN BY THESE PRESENTS: That American Contractors Indemnity Company, a California corporation, Texas Bonding Company, an assumed name of American Contractors Indemnity Company, United States Surety Company, a Maryland corporation and U.S. Specialty Insurance Company, a Texas corporation (collectively, the "Companies"), do by these presents make, constitute and appoint:

Yung T. Mullick, James W. Moilanen, Irene Luong, Emilie George or P. Austin Neff of Mission Viejo, California

its true and lawful Attorney(s)-in-fact, each in their separate capacity if more than one is named above, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver **any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include riders, amendments, and consents of surety, providing the bond penalty does not exceed** \*\*\*\*\*Fifteen Million\*\*\*\*\* Dollars (\*\*\$15,000,000.00\*\*). This Power of Attorney shall expire without further action on April 23<sup>rd</sup>, 2022. This Power of Attorney is granted under and by authority of the following resolutions adopted by the Boards of Directors of the Companies:

*Be it Resolved*, that the President, any Vice-President, any Assistant Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

*Attorney-in-Fact* may be given full power and authority for and in the name of and on behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements or indemnity and other conditional or obligatory undertakings, including any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts, and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be binding upon the Company as if signed by the President and sealed and effected by the Corporate Secretary.

*Be it Resolved*, that the signature of any authorized officer and seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, The Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 1<sup>st</sup> day of June, 2018.

**AMERICAN CONTRACTORS INDEMNITY COMPANY TEXAS BONDING COMPANY  
UNITED STATES SURETY COMPANY U.S. SPECIALTY INSURANCE COMPANY**

State of California  
County of Los Angeles



By: [Signature]  
Daniel P. Aguilar, Vice President

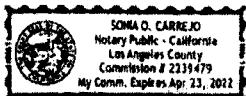
*A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document*

On this 1<sup>st</sup> day of June, 2018, before me, Sonia O. Carrejo, a notary public, personally appeared Daniel P. Aguilar, Vice President of American Contractors Indemnity Company, Texas Bonding Company, United States Surety Company and U.S. Specialty Insurance Company who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature] (seal)



I, Kio Lo, Assistant Secretary of American Contractors Indemnity Company, Texas Bonding Company, United States Surety Company and U.S. Specialty Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; furthermore, the resolutions of the Boards of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Los Angeles, California this \_\_\_\_\_ day of JUL 15 2020

Corporate Seals  
Bond No. N/A  
Agency No. 7715



[Signature]  
Kio Lo, Assistant Secretary

STATE OF CALIFORNIA  
DEPARTMENT OF INSURANCE No 07984  
SAN FRANCISCO

Amended  
Certificate of Authority

THIS IS TO CERTIFY THAT, Pursuant to the Insurance Code of the State of California,

U.S. Specialty Insurance Company

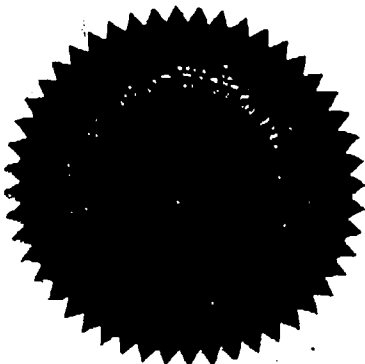
of Houston, Texas, organized under the  
laws of Texas, subject to its Articles of Incorporation or  
other fundamental organizational documents, is hereby authorized to transact within the State, subject to  
all provisions of this Certificate, the following classes of insurance:

Fire, Marine, Surety, Disability, Liability,  
Workers' Compensation, Aircraft, and Miscellaneous

as such classes are now or may hereafter be defined in the Insurance Laws of the State of California.

THIS CERTIFICATE is expressly conditioned upon the holder hereof now and hereafter being in  
full compliance with all, and not in violation of any, of the applicable laws and lawful requirements made  
under authority of the laws of the State of California as long as such laws or requirements are in effect  
and applicable, and as such laws and requirements now are, or may hereafter be changed or amended.

IN WITNESS WHEREOF, effective as of the 29th  
day of December, 2004, I have hereunto  
set my hand and caused my official seal to be affixed this  
29th day of December, 2004.



By

John Garamendi  
Insurance Commissioner

Victoria S. Sirota  
for Ida Zodrow Deputy  
Asst. Chief Deputy

NOTICE:

Qualification with the Secretary of State must be accomplished as required by the California Corporations Code promptly  
after issuance of this Certificate of Authority. Failure to do so will be a violation of Insurance Code Section 701 and will be  
grounds for revoking this Certificate of Authority pursuant to the covenants made in the application therefor and the  
conditions contained herein.

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
SAN BERNARDINO, CALIFORNIA**

**DESIGNATION OF SUBCONTRACTORS**

**WATERMAN HYDROELECTRIC PROJECT**

NAME OF BIDDER Borden Excavating, Inc.

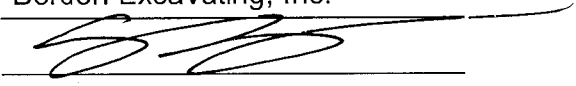
Each bidder shall set forth below:

1. The name and location of the place of business of each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work of improvement, or a subcontractor licensed in the State of California who, under subcontract to the Contractor, specially fabricates and installs a portion of the work of improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent (0.5%) of the Contractor's total bid.
2. The portion and estimated dollar amount of the work which will be done by each subcontractor. The Contractor shall list only one subcontractor for each portion as is defined by the Contractor in his/her bid.
3. If the Contractor fails to specify a subcontractor, or if the Contractor specifies more than one subcontractor for the same portion for work to be performed under the Contract in excess of one-half of one percent of the Contractor's total bid, then he/she agrees that he/she is fully qualified to perform that portion himself/herself, and that he/she shall perform that portion himself/herself. If after award of Contract, the Contractor subcontracts any such portion of the Work, the Contractor shall be subject to the statutory penalties.

Please type or legibly print (attach additional sheets as necessary).

Bid Item No.	Subcontractor	License Number	City	Trade	Estimated \$ Amount
6	CMB Construction	613977	Rancho Cucamonga	Cast-in-Place	231,750 <sup>00</sup>
7	Desert Quality Heating & Air	702855	Redlands	HVAC	79,225 <sup>00</sup>
12, 13, 14	CSI Electrical	1055811	Santa Fe Springs	Electrical	499,200 <sup>00</sup>
7	Structure Cast	774870	Bakersfield	Pre-Cast	399,500

Bid Item No.	Subcontractor	License Number	City	Trade	Estimated \$ Amount

Name of Bidder: Borden Excavating, Inc.  
 Signature:   
 Name and Title: Shaun Borden, President  
 Dated: 07/22/2020

[CONTINUED ON NEXT PAGE]

## DESIGNATION OF SUBCONTRACTORS

The Contractor shall not:

- A. Substitute any person as subcontractor in place of the subcontractor listed in the original bid, except that the District may consent to the substitution of another person as subcontractor:
  - 1. When the subcontractor listed in the bid, after having had a reasonable opportunity to do so, fails or refuses to execute a written Contract, based upon the general terms, conditions, plans and specifications for the project involved or the terms of such Contractor's written bid, is presented to him/her by the Contractor, or
  - 2. When the listed subcontractor becomes bankrupt or insolvent, or
  - 3. When the listed subcontractor fails or refuses to perform his/her subcontract, or
  - 4. When the listed subcontractor fails or refuses to meet the bond requirements of the Contractor, or
  - 5. When the Contractor demonstrates to the District that the name of the subcontractor was listed as the result of an inadvertent clerical error, or
  - 6. When the listed subcontractor is not licensed pursuant to the Contractors License Law, or
  - 7. When the District determines that the Work performed by the listed subcontractor is substantially unsatisfactory and not in substantial accordance with the Plans and Specifications, or that the subcontractor is substantially delaying or disrupting the progress of the Work.
- B. Permit any subcontract to be voluntarily assigned or transferred or allow it to be performed by anyone other than the original subcontractor listed in the original bid, without the consent of the District.
- C. Other than in the performance of "change orders", cause changes or deviations from the original Contract, sublet or subcontract any portion of the Work in excess of one-half of one percent of the Contractor's total bid as to which his/her original bid did not designate a subcontractor.

Prior to approval of a Contractor's request for a subcontractor substitution, the District will give notice in writing to the listed subcontractor of the Contractor's request to substitute and of the reason for the request. The notice will be served by certified or registered mail to the last known address of the subcontractor. The listed subcontractor who has been so notified shall have five (5) working days within which to transmit to the District written objections to the substitution. Failure to file these written objections shall constitute the listed subcontractor's consent to the substitution.

If written objections are filed, the District will give notice in writing of at least five (5) working days to the listed subcontractor of a hearing by the District on the Contractor's request for substitution.

The Contractor, as a condition to asserting a claim of inadvertent clerical error in the listing of a subcontractor, shall within two (2) working days after the time of the bid opening by the District, give written notice to the District and copies of such notice to both the subcontractor he/she claims to have listed in error and the intended subcontractor who had bid to the Contractor prior to the bid opening.

Subletting or subcontracting of any portion of the Work in excess of one-half of one percent of the Contractor's total bid as to which no subcontractor was designated in the original bid shall only be permitted in cases of public emergency or necessity, and then only after a finding reduced to writing as a public record of the District setting forth the facts constituting the emergency or necessity.

If the Contractor violates any of the above provisions the Contractor may be in breach of this Contract and the District may exercise the option, in its own discretion, of (1) canceling the Contract, or (2) assessing the Contractor a penalty in an amount not more than ten percent (10%) of the amount of the subcontract involved, and this penalty shall be deposited in the fund out of which the Contract is awarded.

[END OF DOCUMENT]

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
SAN BERNARDINO, CALIFORNIA**

**CONTRACTOR'S AFFIDAVIT OF NON-COLLUSION**

**WATERMAN HYDROELECTRIC PROJECT**

STATE OF CALIFORNIA    )  
  )  
COUNTY OF \_\_\_\_\_ )

Shawn Borden being first duly sworn deposes and says:

1. That he/she is the President (Title of officer if a corporation, sole owner, Partner, or other proper title) of Borden Excavating, Inc., (hereinafter called "Contractor") who has submitted to the San Bernardino Valley Municipal Water District a Bid Proposal for the construction of WATERMAN HYDROELECTRIC PROJECT.
2. That said Bid Proposal is genuine; that the same is not sham; that all statements of fact therein are true.
3. That said Proposal is not made in the interest or behalf of any person, partnership, company, association, organization, or corporation not named or disclosed.
4. That Contractor did not, directly or indirectly induce, solicit, agree, collude, conspire or contrive with anyone else to submit a false or sham bid, to refrain from bidding, or withdraw his/her bid, to raise or fix the bid price of Contractor or of anyone else, or to raise or fix any overhead profit, or cost element of Contractor's price or the price of anyone else; and did not attempt to induce action prejudicial to the interests of the San Bernardino Valley Municipal Water District, or of any other bidder, or anyone else interested in the proposed Contract.
5. That the Contractor has not in any manner sought by collusion to secure for himself an advantage over any other bidders or induce action prejudicial to the interests of the San Bernardino Valley Municipal Water District or of any other bidder, or anyone else interested in the proposed Contract.
6. That the Contractor has not accepted any bid from any subcontractor or material supplier through any bid depository, the bylaws, rules or regulations of which prohibit or prevent the Contractor from considering any bid from any subcontractor or material supplier, which is not processed through said bid depository, or which prevent any subcontractor or material supplier from bidding to any Contractor who does not use the facilities of or accept bids from or through such bid depository.



7. That the Contractor did not, directly or indirectly, submit the Contractor's bid price or any breakdown thereof, or the contents thereof, or divulge information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, or to any individual or group of individuals, except to the San Bernardino Valley Municipal Water District, or to any person or persons who have partnership or other financial interest with said Contractor in his/her business.

Dated this 22 day of July 2020 at Calimesa, California  
Month/Year City State

Borden Excavating, Inc.   
Contractor

President  
Title

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of Riverside

Subscribed and sworn to (or affirmed) before me on this 12 day of August, 20 20, by Shawn Borden, proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Peyton Underwood, Riverside CA  
Notary Public in and for said County and State

*see attachment*  
(SEAL)

[END OF DOCUMENT]

# CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Riverside }

On August 12, 2020 before me, Peyton Underwood, notary  
(Here insert name and title of the officer)

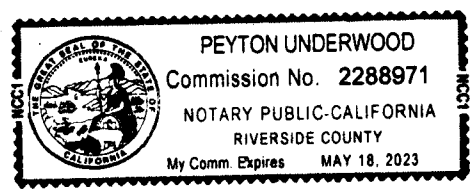
personally appeared Sham Borden,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

*[Handwritten Signature]*  
\_\_\_\_\_  
Notary Public Signature

(Notary Public Seal)



### ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

\_\_\_\_\_  
(Title or description of attached document)

\_\_\_\_\_  
(Title or description of attached document continued)

Number of Pages \_\_\_\_\_ Document Date \_\_\_\_\_

CAPACITY CLAIMED BY THE SIGNER

Individual (s)

Corporate Officer

\_\_\_\_\_  
(Title)

Partner(s)

Attorney-in-Fact

Trustee(s)

Other \_\_\_\_\_

### INSTRUCTIONS FOR COMPLETING THIS FORM

*This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*

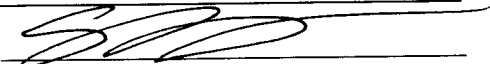
- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he/she/they~~, is /are ) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - ❖ Indicate title or type of attached document, number of pages and date.
  - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
SAN BERNARDINO, CALIFORNIA

WORKERS' COMPENSATION INSURANCE CERTIFICATION

WATERMAN HYDROELECTRIC PROJECT

I am aware of the provisions of Section 3700 of the Labor Code of the State of California which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

Name of Bidder: Borden Excavating, Inc.  
Signature:   
Name and Title: Shaun Borden, President  
Dated: 07/22/2020

[END OF DOCUMENT]

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
SAN BERNARDINO, CALIFORNIA

CERTIFICATION OF CONTRACTOR AND SUBCONTRACTOR  
DEPARTMENT OF INDUSTRIAL RELATIONS REGISTRATION

WATERMAN HYDROELECTRIC PROJECT

Pursuant to Labor Code section 1725.5, a contractor or subcontractor must be registered with the Department of Industrial Relations in order to bid on, be listed in a bid proposal, or engage in the performance of any defined public work contract.

I, Shaun Borden, President certify that  
(Name) (Title)  
Borden Excavating, Inc. is currently registered with the Department of  
(Contractor Name)

Industrial Relations (DIR):

Contractor's DIR Registration Number: 1000001975

Expiration date: 06/30/2021

Contractor further acknowledges that:

Contractor shall maintain DIR registered status for the duration of the project without a lapse in registration.

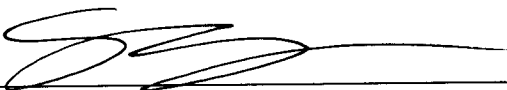
Contractor shall note in its invitation to bid the DIR's registration requirement for all subcontractors and their subcontractors.

Contractor shall ensure that all subcontractors are registered at time of bid opening and maintain registered status for the duration of the project.

Contractor is to furnish DIR Registration Number for all subcontractors on the project either at the time of bid or within 24 hours of the bid opening.

Contractor shall substitute any subcontractor with a DIR registered subcontractor if listed subcontractor is unable to perform the work.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

  
\_\_\_\_\_  
Signature

07/22/2020  
\_\_\_\_\_  
Date

**WATERMAN HYDROELECTRIC GENERATION PROJECT  
BID REVIEW**

**Borden Excavating, Inc.**

Irregularities	Category of irregularity	Notes
1. Page BS-2; Bid Items 12 and 13 appear to be transposed.	Minor irregularity;	Does not affect cost or give bidder material advantage.
2. Page SQ-6 not included; SQ-5 included twice	Minor irregularity; responsive and responsible	Does not affect cost or give bidder material advantage; bidder provided SQ-6 via email on 8/18/20.
3. Page BB-3 not included	Minor; responsive	Does not affect cost or give bidder material advantage; bidder provided substitute pages, which meets Bid Bond Acknowledgement.
4. Page BB-4 not included	Minor irregularity; responsive	Does not affect cost or give bidder material advantage; bidder provided substitute pages, which meets Attorney-in-Fact Acknowledgement.
5. Page SQ-1 states State Contractors License expires on 6/30/20.	Minor irregularity; responsive and responsible	Does not affect cost or give bidder material advantage; appears an error was made on date; verified license is current; Page BP-1 has 6/30/21 as expiration date.



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**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
TREASURER'S REPORT  
FOR THE MONTH OF AUGUST 2020**

RECOMMENDATION:  
APPROVE THE EXPENSES FOR THE MONTH OF AUGUST 2020  
FOR THE FOLLOWING FUNDS:

STATE WATER CONTRACT FUND	\$	2,810,189.00
DEVIL CANYON / CASTAIC FUND	\$	104,370.00
GENERAL FUND	\$	4,668,378.67

APPROVED:

\_\_\_\_\_  
*TREASURER*

\_\_\_\_\_  
*DATE*

# STATE WATER CONTRACT FUND

## Profit & Loss

August 2020

	<u>Aug 20</u>
Income	
4920 · INVESTMENT INCOME	78,382.11
Total Income	<u>78,382.11</u>
Expense	
6380 · AUDIT FEES	9,882.00
6610 · MINIMUM OMP&R TRANSPORTATION	1,586,074.00
6615 · MINIMUM OMP&R DELTA	413,215.00
6620 · VARIABLE	773,411.00
6630 · OFF AQUEDUCT VARIABLE	9,292.00
6635 · EAST BRANCH ENLARGEMENT	18,315.00
Total Expense	<u>2,810,189.00</u>
Net Income	<u><u>-2,731,806.89</u></u>

**STATE WATER CONTRACT FUND**  
**Profit & Loss Budget vs. Actual**  
 July through August 2020

	Jul - Aug 20	Budget	\$ Over Budget	% of Budget
<b>Income</b>				
4920 · INVESTMENT INCOME	288,011.57	708,000.00	(419,988.43)	40.7%
4966 · PROPERTY TAXES	1,035,750.69	1,000,000.00	35,750.69	103.6%
<b>Total Income</b>	<b>1,323,762.26</b>	<b>1,708,000.00</b>	<b>(384,237.74)</b>	<b>77.5%</b>
<b>Expense</b>				
6280 · FIELD IMPROVEMENTS	45,860.34	50,000.00	(4,139.66)	91.7%
6380 · AUDIT FEES	9,882.00	9,885.00	(3.00)	100.0%
6410 · STATE WATER CONTRACTOR FEES	281,294.00	282,000.00	(706.00)	99.7%
6601 · CAPITAL COST DELTA	1,550,206.00	1,550,206.00	0.00	100.0%
6605 · CAPITAL COST TRANSPORTATION	1,067,885.00	1,067,885.00	0.00	100.0%
6610 · MINIMUM OMP&R TRANSPORTATION	3,172,149.00	3,172,148.00	1.00	100.0%
6615 · MINIMUM OMP&R DELTA	826,430.00	826,430.00	0.00	100.0%
6620 · VARIABLE	1,723,958.51	2,500,000.00	(776,041.49)	69.0%
6625 · WATER SYSTEM REVENUE BOND	1,386,109.00	1,386,109.00	0.00	100.0%
6630 · OFF AQUEDUCT VARIABLE	18,583.00	18,582.00	1.00	100.0%
6635 · EAST BRANCH ENLARGEMENT	36,630.00	36,630.00	0.00	100.0%
<b>Total Expense</b>	<b>10,118,986.85</b>	<b>10,899,875.00</b>	<b>(780,888.15)</b>	<b>92.8%</b>
<b>Net Income</b>	<b>(8,795,224.59)</b>	<b>(9,191,875.00)</b>	<b>396,650.41</b>	<b>95.7%</b>



**DEVIL CANYON/CASTAIC**

**Profit & Loss**

August 2020

	<u>Aug 20</u>
Income	
4920 · INVESTMENT INCOME	18.16
Total Income	<u>18.16</u>
Expense	
6601 · OMP&R	104,370.00
Total Expense	<u>104,370.00</u>
Net Income	<u><u>-104,351.84</u></u>

**DEVIL CANYON/CASTAIC**  
**Profit & Loss Budget vs. Actual**  
**July through August 2020**

	<u>Jul - Aug 20</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
<b>Income</b>				
4920 · INVESTMENT INCOME	12,767.63	12,790.00	(22.37)	99.8%
4966 · PROPERTY TAXES	43,156.28	42,500.00	656.28	101.5%
<b>Total Income</b>	55,923.91	55,290.00	633.91	101.1%
<b>Expense</b>				
6601 · OMP&R	208,740.00	208,740.00	0.00	100.0%
6610 · DEBT SERVICE	301,473.00	301,473.00	0.00	100.0%
<b>Total Expense</b>	510,213.00	510,213.00	0.00	100.0%
<b>Net Income</b>	<u>(454,289.09)</u>	<u>(454,923.00)</u>	<u>633.91</u>	<u>99.9%</u>

**SAN BERNARDINO VALLEY MWD GENERAL FUND**

**Profit & Loss**

August 2020

	<u>Aug 20</u>
<b>Income</b>	
4900 · WATER SALES	174,962.64
4920 · INVESTMENT INCOME	30,847.63
4950 · OTHER INCOME	51,553.60
4977 · RIVERSIDE CO TAXES	2,878.89
<b>Total Income</b>	<u>260,242.76</u>
<b>Expense</b>	
6100 · SALARIES	253,585.35
6110 · OVERTIME	3,704.10
6120 · DIRECTORS FEES	13,754.00
6130 · PERS RETIREMENT	50,057.45
6140 · PAYROLL TAXES	18,213.68
6150 · HEALTH INSURANCE	59,816.23
6160 · DENTAL INSURANCE	4,448.64
6170 · VISION, DISABILITY AND LIFE INS	2,415.09
6180 · WORKERS COMP INS	2,420.67
6240 · PIPELINE CONTROL SYSTEM	1,925.00
6250 · OFFICE EQUIPMENT	7,275.55
6280 · FIELD IMPROVEMENTS	168,596.73
6295 · PURCHASED WATER	61,337.92
6320 · HOUSE COUNSEL	30,238.80
6330 · SPECIAL COUNSEL	60,043.34
6340 · WATERMASTER	3,703.00
6350 · USGS DATA	236,422.50
6360 · CONSULTANTS	77,704.97
6390 · SAWPA	135,049.44
6400 · VEHICLE EXPENSE	6,461.78
6430 · LIABILITY INS	1,069.00
6440 · INFORMATION TECHNOLOGY SERVICES	4,706.00
6450 · WATERSTOCK ASSESSMENT	122.41
6460 · UTILITIES/COMMUNICATIONS	79,168.68
6470 · MAINTENANCE & REPAIRS	6,500.27
6480 · OFFICE EXPENSE	4,220.44
6490 · FIELD SUPPLIES	2,250.82
6500 · EDUCATION	11,709.45
6530 · BANK CHARGES-TRUSTEE FEES	1,534.75
6540 · YUCAIPA LAKES	11,650.00
6570 · POSTAGE	163.10
6580 · DUES & SUBSCRIPTIONS	5,438.95
6600 · TAXES & LICENSES	21.00
6640 · WATER CONSERVATION & EDUCATION	8,872.31
6690 · EMERGENCY PREPAREDNESS	703.02
6720 · WATER QUALITY TESTING	160.00
6760 · LAND / PROPERTY PURCHASE	3,134,000.00
6780 · ENVIRONMENTAL HCP	178,115.57
6810 · SBRWRA JPA EXPENSE	6,477.12
<b>Total Expense</b>	<u>4,654,057.13</u>
<b>Net Income</b>	<u><u>-4,393,814.37</u></u>

**SAN BERNARDINO VALLEY MWD GENERAL FUND**

**Profit & Loss Budget vs. Actual**

July through August 2020

	Jul - Aug 20	Budget	\$ Over Budget	% of Budget
<b>Income</b>				
4900 · WATER SALES	1,925,359.57	2,125,000.00	(199,640.43)	90.6%
4920 · INVESTMENT INCOME	217,378.77	482,500.00	(265,121.23)	45.1%
4950 · OTHER INCOME	235,912.81	236,250.00	(337.19)	99.9%
4966 · S.B. CO TAXES	75,656.21	75,000.00	656.21	100.9%
4977 · RIVERSIDE CO TAXES	2,878.89	2,500.00	378.89	115.2%
<b>Total Income</b>	<b>2,457,186.25</b>	<b>2,921,250.00</b>	<b>(464,063.75)</b>	<b>84.1%</b>
<b>Expense</b>				
6100 · SALARIES	509,194.35	513,000.00	(3,805.65)	99.3%
6110 · OVERTIME	8,649.58	10,000.00	(1,350.42)	86.5%
6120 · DIRECTORS FEES	27,508.00	29,900.00	(2,392.00)	92.0%
6130 · PERS RETIREMENT	261,875.04	262,125.00	(249.96)	99.9%
6140 · PAYROLL TAXES	38,950.32	39,600.00	(649.68)	98.4%
6150 · HEALTH INSURANCE	118,991.81	119,500.00	(508.19)	99.6%
6160 · DENTAL INSURANCE	8,712.36	9,000.00	(287.64)	96.8%
6170 · VISION, DISABILITY AND LIFE INS	4,789.88	5,700.00	(910.12)	84.0%
6180 · WORKERS COMP INS	2,001.30	2,300.00	(298.70)	87.0%
6240 · PIPELINE CONTROL SYSTEM	2,675.00	2,750.00	(75.00)	97.3%
6250 · OFFICE EQUIPMENT	7,275.55	7,500.00	(224.45)	97.0%
6260 · VEHICLE REPLACEMENT	36,743.87	37,000.00	(256.13)	99.3%
6280 · FIELD IMPROVEMENTS	220,093.98	221,000.00	(906.02)	99.6%
6295 · PURCHASED WATER	61,337.92	61,500.00	(162.08)	99.7%
6320 · HOUSE COUNSEL	30,238.80	30,000.00	238.80	100.8%
6330 · SPECIAL COUNSEL	60,043.34	62,000.00	(1,956.66)	96.8%
6340 · WATERMASTER	6,762.00	7,000.00	(238.00)	96.6%
6350 · USGS DATA	236,422.50	238,000.00	(1,577.50)	99.3%
6360 · CONSULTANTS	150,367.88	151,500.00	(1,132.12)	99.3%
6390 · SAWPA	556,983.03	557,000.00	(16.97)	100.0%
6400 · VEHICLE EXPENSE	10,532.79	12,400.00	(1,867.21)	84.9%
6430 · LIABILITY INS	85,409.51	85,500.00	(90.49)	99.9%
6440 · INFORMATION TECHNOLOGY SERVICES	6,906.00	7,000.00	(94.00)	98.7%
6450 · WATERSTOCK ASSESSMENT	122.41	125.00	(2.59)	97.9%
6460 · UTILITIES/COMMUNICATIONS	161,804.80	164,000.00	(2,195.20)	98.7%
6470 · MAINTENANCE & REPAIRS	45,575.15	46,000.00	(424.85)	99.1%
6480 · OFFICE EXPENSE	6,912.55	7,000.00	(87.45)	98.8%
6490 · FIELD SUPPLIES	2,619.44	2,900.00	(280.56)	90.3%
6500 · EDUCATION	18,514.45	19,000.00	(485.55)	97.4%
6530 · BANK CHARGES-TRUSTEE FEES	3,151.31	3,185.00	(33.69)	98.9%
6540 · YUCAIPA LAKES	11,650.00	12,000.00	(350.00)	97.1%
6560 · LIBRARY	174.96	175.00	(0.04)	100.0%
6570 · POSTAGE	228.97	400.00	(171.03)	57.2%
6580 · DUES & SUBSCRIPTIONS	7,843.96	7,950.00	(106.04)	98.7%
6600 · TAXES & LICENSES	21.00	25.00	(4.00)	84.0%
6620 · COOP WATER PROJECT PROJECT MGR	30,000.00	30,000.00	0.00	100.0%
6640 · WATER CONSERVATION & EDUCATION	18,082.39	18,100.00	(17.61)	99.9%
6690 · EMERGENCY PREPAREDNESS	703.02	750.00	(46.98)	93.7%
6720 · WATER QUALITY TESTING	400.00	415.00	(15.00)	96.4%
6760 · LAND / PROPERTY PURCHASE	3,134,000.00	3,134,000.00	0.00	100.0%
6780 · ENVIRONMENTAL HCP	195,073.71	197,000.00	(1,926.29)	99.0%
6800 · LAFCO ANNUAL FUNDING SHARE	30,000.00	30,000.00	0.00	100.0%
6810 · SBRWRA JPA EXPENSE	7,423.53	7,500.00	(76.47)	99.0%
<b>Total Expense</b>	<b>6,126,766.46</b>	<b>6,151,800.00</b>	<b>(25,033.54)</b>	<b>99.6%</b>
<b>Net Income</b>	<b>(3,669,580.21)</b>	<b>(3,230,550.00)</b>	<b>(439,030.21)</b>	<b>113.6%</b>

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
INVESTMENT SUMMARY  
AUGUST 31, 2020**

INVESTMENT DESCRIPTION	INSTITUTION	MATURITY DATE	PAR VALUE	ISSUE DATE	PURCHASE PRICE	BOOK YIELD RATE	CUSIP
<b>STATE WATER CONTRACT FUND</b>							
DWR CVP REVENUE BOND	STATE	7/1/2022	5,000.00		3,940.16	5.250%	
CA WATER RESOURCES DEVELOPMENT BOND SERIES S	STATE	4/1/2020	5,000.00		3,940.17	5.250%	
AGENCY BONDS - FNMA NOTES	BNY MELLON	01/11/2022	2,500,000.00	01/29/2019	2,500,650.00	2.614%	3135G0U92
AGENCY BONDS - FNMA NOTES	BNY MELLON	01/11/2022	955,000.00	01/09/2019	954,312.40	2.655%	3135G0U92
AGENCY BONDS - FNMA NOTES	BNY MELLON	06/03/2022	2,100,000.00	06/11/2020	2,099,706.00	0.257%	3130AJPU7
AGENCY BONDS - FNMA NOTES	BNY MELLON	06/08/2022	4,300,000.00	06/04/2020	4,297,936.00	0.274%	3134GVJ66
AGENCY BONDS - FNMA NOTES	BNY MELLON	07/25/2022	3,050,000.00	07/21/2020	3,043,107.00	0.238%	3137EAET2
AGENCY BONDS - FNMA NOTES	BNY MELLON	04/20/2023	4,640,000.00	04/17/2020	4,628,400.00	0.459%	3137EAEQ8
AGENCY BONDS - FNMA NOTES	BNY MELLON	05/05/2023	4,400,000.00	05/05/2020	4,398,152.00	0.389%	3137EAER6
AGENCY BONDS - FNMA NOTES	BNY MELLON	05/22/2023	5,020,000.00	05/20/2020	5,004,889.80	0.351%	3135G04Q3
AGENCY BONDS - FNMA NOTES	BNY MELLON	06/26/2023	4,525,000.00	06/24/2020	4,511,787.00	0.348%	3137EAES4
AGENCY BONDS - FNMA NOTES	BNY MELLON	07/10/2023	4,765,000.00	07/08/2020	4,754,755.25	0.322%	3135G05G4
AGENCY BONDS - FNMA NOTES	BNY MELLON	08/24/2023	4,700,000.00	08/19/2020	4,695,206.00	0.284%	3137EAEV7
CERTIFICATE OF DEPOSIT	BNY MELLON	02/26/2021	1,925,000.00	02/27/2019	1,925,000.00	2.970%	55379WZT6
CERTIFICATE OF DEPOSIT	BNY MELLON	06/07/2021	2,400,000.00	06/07/2018	2,400,000.00	3.240%	78012UEE1
CERTIFICATE OF DEPOSIT	BNY MELLON	02/01/2022	1,900,000.00	08/05/2020	1,900,000.00	0.520%	22549L6F7
CERTIFICATE OF DEPOSIT	BNY MELLON	02/14/2022	2,450,000.00	02/14/2020	2,450,000.00	1.800%	83369XDL9
CERTIFICATE OF DEPOSIT	BNY MELLON	04/01/2022	2,400,000.00	04/03/2019	2,400,000.00	2.830%	22535CDV0
CERTIFICATE OF DEPOSIT	BNY MELLON	07/08/2022	1,900,000.00	07/10/2020	1,900,000.00	0.700%	86565CKU2
CERTIFICATE OF DEPOSIT	BNY MELLON	08/26/2022	2,450,000.00	08/27/2019	2,450,000.00	1.850%	65558TLL7
CERTIFICATE OF DEPOSIT	BNY MELLON	08/26/2022	2,425,000.00	08/29/2019	2,425,000.00	1.860%	83050PDR7
CERTIFICATE OF DEPOSIT	BNY MELLON	12/02/2022	2,450,000.00	12/04/2019	2,450,000.00	2.040%	23341VZT1
CORPORATE NOTE	BNY MELLON	02/01/2021	490,000.00	10/23/2017	489,774.60	2.179%	05531FAZ6
CORPORATE NOTE	BNY MELLON	03/01/2021	1,250,000.00	02/22/2018	1,249,387.50	2.829%	69371RN93
CORPORATE NOTE	BNY MELLON	03/15/2021	800,000.00	02/21/2018	799,112.00	2.966%	63743HER9
CORPORATE NOTE	BNY MELLON	03/22/2021	1,100,000.00	03/19/2018	1,094,379.00	3.055%	904764AZ0
CORPORATE NOTE	BNY MELLON	04/01/2021	1,150,000.00	11/09/2017	1,148,183.00	2.142%	911312BP0
CORPORATE NOTE	BNY MELLON	04/21/2021	500,000.00	02/13/2018	491,600.00	3.468%	61746BEA0
CORPORATE NOTE	BNY MELLON	04/21/2021	700,000.00	03/19/2019	693,434.00	3.037%	61746BEA0
CORPORATE NOTE	BNY MELLON	04/25/2021	1,250,000.00	03/19/2019	1,240,237.50	3.070%	38141GVU5
CORPORATE NOTE	BNY MELLON	05/05/2021	1,700,000.00	06/06/2016	1,708,517.00	1.958%	0258M0EB1
CORPORATE NOTE	BNY MELLON	05/15/2021	775,000.00	05/03/2018	774,465.25	3.137%	427866BA5
CORPORATE NOTE	BNY MELLON	05/17/2021	375,000.00	05/14/2019	374,820.00	2.676%	14913Q2W8
CORPORATE NOTE	BNY MELLON	05/19/2021	600,000.00	03/19/2019	589,008.00	2.958%	857477AV5
CORPORATE NOTE	BNY MELLON	05/21/2021	1,000,000.00	03/28/2019	1,014,100.00	2.445%	808513AW5
CORPORATE NOTE	BNY MELLON	05/21/2021	1,215,000.00	05/17/2018	1,214,963.55	3.250%	808513AW5
CORPORATE NOTE	BNY MELLON	06/07/2021	750,000.00	06/04/2019	749,490.00	2.336%	24422EUV9
CORPORATE NOTE	BNY MELLON	06/23/2021	1,325,000.00	06/20/2018	1,324,933.75	3.127%	931142EJ8
CORPORATE NOTE	BNY MELLON	08/01/2021	650,000.00	07/29/2019	649,974.00	2.305%	097023CL7
CORPORATE NOTE	BNY MELLON	09/03/2021	300,000.00	05/31/2018	299,643.00	3.256%	05531FBD4
CORPORATE NOTE	BNY MELLON	09/07/2021	270,000.00	09/04/2018	269,792.10	3.185%	14913Q2N8
CORPORATE NOTE	BNY MELLON	09/10/2021	150,000.00	09/05/2018	149,953.50	3.138%	24422EUK3
CORPORATE NOTE	BNY MELLON	09/14/2021	450,000.00	09/11/2018	449,077.50	3.096%	88579YBA8
CORPORATE NOTE	BNY MELLON	09/15/2021	625,000.00	08/09/2019	640,581.25	2.062%	12189LAF8
CORPORATE NOTE	BNY MELLON	09/15/2021	1,200,000.00	09/04/2018	1,198,380.00	3.063%	717081EM1
CORPORATE NOTE	BNY MELLON	09/23/2021	1,500,000.00	03/20/2019	1,526,370.00	2.699%	06406HBY4
CORPORATE NOTE	BNY MELLON	10/01/2021	1,225,000.00	09/13/2017	1,225,000.00	2.329%	06051GGS2
CORPORATE NOTE	BNY MELLON	12/08/2021	1,000,000.00	03/28/2019	1,001,290.00	2.843%	172967LC3
CORPORATE NOTE	BNY MELLON	12/10/2021	500,000.00	10/03/2018	499,760.00	3.395%	02665WCP4
CORPORATE NOTE	BNY MELLON	01/10/2022	225,000.00	01/04/2019	224,784.00	3.240%	24422EUQ0
CORPORATE NOTE	BNY MELLON	01/12/2022	1,000,000.00	03/20/2019	1,014,400.00	2.707%	89233P5T9
CORPORATE NOTE	BNY MELLON	01/21/2022	975,000.00	01/22/2020	974,142.00	1.796%	63743HET5
CORPORATE NOTE	BNY MELLON	02/09/2022	2,000,000.00	03/28/2019	1,984,100.00	2.467%	037833AY6
CORPORATE NOTE	BNY MELLON	03/01/2022	250,000.00	11/27/2018	249,315.00	3.357%	437076BV3
CORPORATE NOTE	BNY MELLON	03/01/2022	575,000.00	02/12/2019	574,729.75	2.767%	88579YBF7
CORPORATE NOTE	BNY MELLON	03/07/2022	340,000.00	09/04/2018	338,354.40	3.189%	904764BF3
CORPORATE NOTE	BNY MELLON	03/11/2022	250,000.00	03/04/2019	249,985.00	2.801%	717081ER0
CORPORATE NOTE	BNY MELLON	03/15/2022	850,000.00	07/24/2019	866,889.50	2.195%	91159HHC7

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
INVESTMENT SUMMARY  
AUGUST 31, 2020**

INVESTMENT DESCRIPTION	INSTITUTION	MATURITY DATE	PAR VALUE	ISSUE DATE	PURCHASE PRICE	BOOK YIELD RATE	CUSIP
CORPORATE NOTE	BNY MELLON	04/01/2022	325,000.00	03/04/2019	324,844.00	2.967%	24422EUT4
CORPORATE NOTE	BNY MELLON	04/12/2022	1,500,000.00	04/09/2019	1,499,055.00	2.673%	89236TFX8
CORPORATE NOTE	BNY MELLON	05/01/2022	355,000.00	04/30/2019	354,371.65	2.765%	097023CG8
CORPORATE NOTE	BNY MELLON	05/10/2022	600,000.00	05/03/2019	599,676.00	2.669%	69371RP83
CORPORATE NOTE	BNY MELLON	05/15/2022	1,500,000.00	03/28/2019	1,497,375.00	2.563%	68389XBB0
CORPORATE NOTE	BNY MELLON	05/19/2022	500,000.00	04/05/2019	496,685.00	2.991%	61744YAH1
CORPORATE NOTE	BNY MELLON	05/20/2022	1,000,000.00	05/15/2019	998,800.00	2.793%	025816CD9
CORPORATE NOTE	BNY MELLON	06/01/2022	1,500,000.00	03/28/2019	1,541,610.00	2.383%	09247XAJ0
CORPORATE NOTE	BNY MELLON	06/13/2022	300,000.00	09/09/2019	299,613.00	1.999%	24422EVA4
CORPORATE NOTE	BNY MELLON	06/18/2022	1,925,000.00	06/11/2018	1,925,000.00	3.516%	46647PAS5
CORPORATE NOTE	BNY MELLON	06/20/2022	1,200,000.00	03/11/2019	1,199,964.00	3.051%	05531FBG7
CORPORATE NOTE	BNY MELLON	06/27/2022	1,750,000.00	06/24/2019	1,748,390.00	2.232%	02665WCY5
CORPORATE NOTE	BNY MELLON	08/08/2022	500,000.00	07/30/2019	499,495.00	2.185%	438516BT2
CORPORATE NOTE	BNY MELLON	08/19/2022	1,175,000.00	08/17/2020	1,175,000.00	0.483%	438516CC8
CORPORATE NOTE	BNY MELLON	08/23/2022	525,000.00	08/20/2019	524,832.00	1.961%	06406RAK3
CORPORATE NOTE	BNY MELLON	09/01/2022	625,000.00	09/03/2019	623,643.75	1.725%	254687FJ0
CORPORATE NOTE	BNY MELLON	09/06/2022	925,000.00	09/03/2019	923,714.25	1.948%	14913Q3A5
CORPORATE NOTE	BNY MELLON	09/11/2022	295,000.00	09/04/2019	294,949.85	1.706%	037833DL1
CORPORATE NOTE	BNY MELLON	09/15/2022	670,000.00	03/13/2019	663,152.60	2.735%	589331AT4
CORPORATE NOTE	BNY MELLON	09/15/2022	600,000.00	05/22/2019	592,086.00	2.581%	92826CAG7
CORPORATE NOTE	BNY MELLON	09/26/2022	550,000.00	09/23/2019	549,329.00	2.042%	69371RQ33
CORPORATE NOTE	BNY MELLON	11/04/2022	1,000,000.00	10/28/2019	1,000,000.00	2.313%	17308CC46
CORPORATE NOTE	BNY MELLON	11/18/2022	475,000.00	01/09/2020	474,781.50	1.967%	14913Q3C1
CORPORATE NOTE	BNY MELLON	01/27/2023	550,000.00	01/21/2020	549,615.00	1.874%	06406RAM9
CORPORATE NOTE	BNY MELLON	02/01/2023	250,000.00	01/23/2020	250,020.00	1.697%	00724PAA7
CORPORATE NOTE	BNY MELLON	02/01/2023	275,000.00	01/22/2020	274,623.25	1.747%	00724PAA7
CORPORATE NOTE	BNY MELLON	02/14/2023	600,000.00	08/19/2019	597,714.00	1.864%	88579YBL4
CORPORATE NOTE	BNY MELLON	02/24/2023	430,000.00	02/20/2020	430,000.00	1.744%	69353RFT0
CORPORATE NOTE	BNY MELLON	04/01/2023	500,000.00	03/15/2019	500,000.00	3.208%	46647PBB1
CORPORATE NOTE	BNY MELLON	05/01/2023	575,000.00	04/29/2020	573,861.50	0.817%	713448EY0
CORPORATE NOTE	BNY MELLON	05/11/2023	600,000.00	05/04/2020	598,368.00	0.842%	037833DV9
CORPORATE NOTE	BNY MELLON	05/11/2023	540,000.00	05/07/2020	540,000.00	1.141%	166764BV1
CORPORATE NOTE	BNY MELLON	06/03/2023	1,250,000.00	06/01/2020	1,248,250.00	0.447%	023135BP0
CORPORATE NOTE	BNY MELLON	06/08/2023	160,000.00	06/01/2020	159,777.60	0.847%	69371RQ82
CORPORATE NOTE	BNY MELLON	06/26/2023	750,000.00	06/09/2020	811,305.00	0.608%	931142EK5
CORPORATE NOTE	BNY MELLON	08/11/2023	275,000.00	08/10/2020	275,000.00	0.426%	166756AJ5
CORPORATE NOTE	BNY MELLON	08/11/2023	175,000.00	08/04/2020	174,770.75	0.394%	69371RQ90
CORPORATE NOTE	BNY MELLON	04/15/2024	575,000.00	05/07/2020	629,964.25	1.151%	20030NCR0
CORPORATE NOTE	BNY MELLON	06/01/2024	500,000.00	05/19/2020	500,000.00	1.514%	46647PBQ8
MUNICIPAL BOND / NOTE	BNY MELLON	12/01/2022	395,000.00	07/30/2020	395,000.00	0.349%	13067WQZ8
MUNICIPAL BOND / NOTE	BNY MELLON	07/01/2023	135,000.00	05/29/2020	135,805.95	1.798%	20772KJV2
MUNICIPAL BOND / NOTE	BNY MELLON	07/01/2023	700,000.00	07/02/2020	700,000.00	1.085%	73358W4V3
MUNICIPAL BOND / NOTE	BNY MELLON	07/01/2023	675,000.00	07/07/2020	678,955.50	0.885%	73358W4V3
MUNICIPAL BOND / NOTE	BNY MELLON	08/01/2023	1,300,000.00	07/23/2020	1,300,000.00	0.410%	574193TP3
MUNICIPAL BOND / NOTE	BNY MELLON	11/01/2023	575,000.00	07/24/2020	575,000.00	0.422%	605581MY0
MUNICIPAL BOND / NOTE	BNY MELLON	11/01/2023	625,000.00	08/27/2020	625,000.00	0.475%	13077DMJ8
MUNICIPAL BOND / NOTE	BNY MELLON	12/01/2023	135,000.00	07/30/2020	135,000.00	0.414%	13067WRA2
US TREASURY NOTES	BNY MELLON	09/30/2021	670,000.00	09/30/2019	659,447.16	1.932%	912828T34
US TREASURY NOTES	BNY MELLON	10/15/2021	800,000.00	11/02/2018	797,968.75	2.990%	912828F3
US TREASURY NOTES	BNY MELLON	10/31/2021	2,000,000.00	12/05/2019	1,986,093.75	1.625%	912828T67
US TREASURY NOTES	BNY MELLON	11/15/2021	4,600,000.00	12/10/2018	4,619,046.88	2.693%	9128285L0
US TREASURY NOTES	BNY MELLON	11/30/2021	1,100,000.00	11/21/2019	1,103,007.81	1.611%	912828U65
US TREASURY NOTES	BNY MELLON	11/30/2021	2,500,000.00	12/02/2019	2,504,492.19	1.658%	912828U65
US TREASURY NOTES	BNY MELLON	11/30/2021	2,500,000.00	12/04/2019	2,506,738.28	1.611%	912828U65
US TREASURY NOTES	BNY MELLON	01/15/2022	1,000,000.00	02/01/2019	999,960.94	2.501%	9128285V8
US TREASURY NOTES	BNY MELLON	01/15/2022	9,000,000.00	01/29/2019	8,987,343.75	2.557%	9128285V8
US TREASURY NOTES	BNY MELLON	01/31/2022	3,850,000.00	02/07/2019	3,745,328.13	2.596%	912828H86
US TREASURY NOTES	BNY MELLON	01/31/2022	12,500,000.00	01/07/2019	12,274,414.06	2.602%	912828V72
US TREASURY NOTES	BNY MELLON	01/31/2022	1,500,000.00	10/11/2019	1,509,433.59	1.594%	912828V72
US TREASURY NOTES	BNY MELLON	02/15/2022	4,400,000.00	03/01/2019	4,395,015.63	2.544%	9128286C9
US TREASURY NOTES	BNY MELLON	04/15/2022	3,950,000.00	05/01/2019	3,952,468.75	2.226%	9128286M7
US TREASURY NOTES	BNY MELLON	04/30/2022	2,800,000.00	04/01/2019	2,754,828.13	2.342%	912828WZ9
US TREASURY NOTES	BNY MELLON	05/31/2022	2,000,000.00	06/19/2019	2,001,484.38	1.848%	912828XD7
US TREASURY NOTES	BNY MELLON	07/31/2022	7,000,000.00	07/01/2019	7,022,421.88	1.768%	912828P4

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
INVESTMENT SUMMARY  
AUGUST 31, 2020**

INVESTMENT DESCRIPTION	INSTITUTION	MATURITY DATE	PAR VALUE	ISSUE DATE	PURCHASE PRICE	BOOK YIELD RATE	CUSIP
US TREASURY NOTES	BNY MELLON	07/31/2022	6,000,000.00	06/03/2019	6,005,625.00	1.843%	9128282P4
US TREASURY NOTES	BNY MELLON	07/31/2022	3,000,000.00	06/04/2019	2,999,648.44	1.879%	9128282P4
US TREASURY NOTES	BNY MELLON	08/15/2022	5,650,000.00	09/05/2019	5,655,296.88	1.467%	912828YA2
US TREASURY NOTES	BNY MELLON	09/30/2022	3,550,000.00	09/12/2019	3,557,488.28	1.679%	912828L57
US TREASURY NOTES	BNY MELLON	10/15/2022	7,500,000.00	10/31/2019	7,471,582.03	1.507%	912828YK0
US TREASURY NOTES	BNY MELLON	10/15/2022	2,500,000.00	12/02/2019	2,481,054.69	1.647%	912828YK0
US TREASURY NOTES	BNY MELLON	10/15/2022	2,100,000.00	12/04/2019	2,087,449.22	1.590%	912828YK0
US TREASURY NOTES	BNY MELLON	11/15/2022	1,100,000.00	11/21/2019	1,101,160.16	1.588%	912828TY6
US TREASURY NOTES	BNY MELLON	01/15/2023	3,450,000.00	02/03/2020	3,466,980.47	1.329%	912828Z29
US TREASURY NOTES	BNY MELLON	01/15/2023	2,500,000.00	03/12/2020	2,563,671.88	0.590%	912828Z29
US TREASURY NOTES	BNY MELLON	01/31/2023	900,000.00	12/26/2019	902,355.47	1.663%	912828P38
US TREASURY NOTES	BNY MELLON	01/31/2023	4,000,000.00	01/02/2020	4,016,406.25	1.612%	912828P38
US TREASURY NOTES	BNY MELLON	03/31/2023	9,500,000.00	03/02/2020	9,695,566.41	0.820%	912828Q29
US TREASURY NOTES	BNY MELLON	05/15/2023	3,100,000.00	06/03/2020	3,088,859.38	0.248%	912828ZP8
US TREASURY NOTES	BNY MELLON	06/15/2023	3,000,000.00	06/11/2020	3,003,867.19	0.207%	912828ZU7
US TREASURY NOTES	BNY MELLON	06/15/2023	3,000,000.00	06/18/2020	3,002,460.94	0.222%	912828ZU7
US TREASURY NOTES	BNY MELLON	06/30/2023	1,500,000.00	03/05/2020	1,536,445.31	0.631%	912828S35
FIDELITY GOVERNMENT	BNY MELLON		70,665.58		70,665.58	0.200%	
LOCAL AGENCY INVESTMENT FUND	LAIF	DAILY	43,363,159.34		43,363,159.34	0.720%	AT 8/31/20
CAMP	CAMP	DAILY	74,866,083.82		74,866,083.82	0.300%	AT 8/31/20
			<u>365,739,908.74</u>		<u>365,759,427.13</u>		
<b><u>DEVIL CANYON / CASTAIC FUND</u></b>							
LOCAL AGENCY INVESTMENT FUND	LAIF	DAILY	<u>4,127,409.39</u>		<u>4,127,409.39</u>	0.720%	AT 8/31/20
<b><u>GENERAL FUND</u></b>							
AGENCY BONDS - FNMA NOTES	BNY MELLON	01/11/2022	550,000.00	01/09/2019	549,604.00	2.655%	3135G0U92
AGENCY BONDS - FNMA NOTES	BNY MELLON	01/11/2022	1,500,000.00	01/29/2019	1,500,390.00	2.614%	3135G0U92
AGENCY BONDS - FNMA NOTES	BNY MELLON	06/03/2022	1,000,000.00	06/11/2020	999,860.00	0.257%	3130AJPU7
AGENCY BONDS - FNMA NOTES	BNY MELLON	06/08/2022	2,000,000.00	06/04/2020	1,999,040.00	0.274%	3134GVJ66
AGENCY BONDS - FNMA NOTES	BNY MELLON	07/25/2022	1,425,000.00	07/21/2020	1,421,779.50	0.238%	3137EAET2
AGENCY BONDS - FNMA NOTES	BNY MELLON	04/20/2023	2,140,000.00	04/17/2020	2,134,650.00	0.459%	3137EAEQ8
AGENCY BONDS - FNMA NOTES	BNY MELLON	05/05/2023	2,025,000.00	05/05/2020	2,024,149.50	0.389%	3137EAER6
AGENCY BONDS - FNMA NOTES	BNY MELLON	05/22/2023	2,345,000.00	05/20/2020	2,337,941.55	0.351%	3135G04Q3
AGENCY BONDS - FNMA NOTES	BNY MELLON	06/26/2023	2,125,000.00	06/24/2020	2,118,795.00	0.348%	3137EAES4
AGENCY BONDS - FNMA NOTES	BNY MELLON	07/10/2023	2,225,000.00	07/08/2020	2,220,216.25	0.322%	3135G05G4
AGENCY BONDS - FNMA NOTES	BNY MELLON	08/24/2023	2,200,000.00	08/19/2020	2,197,756.00	0.284%	3137EAEV7
CERTIFICATE OF DEPOSIT	BNY MELLON	02/26/2021	1,075,000.00	02/27/2019	1,075,000.00	2.958%	55379WZT6
CERTIFICATE OF DEPOSIT	BNY MELLON	06/07/2021	1,345,000.00	06/07/2018	1,345,000.00	3.238%	78012UEE1
CERTIFICATE OF DEPOSIT	BNY MELLON	02/01/2022	900,000.00	08/05/2020	900,000.00	0.520%	22549L6F7
CERTIFICATE OF DEPOSIT	BNY MELLON	02/14/2022	1,150,000.00	02/14/2020	1,150,000.00	1.800%	83369XDL9
CERTIFICATE OF DEPOSIT	BNY MELLON	04/01/2022	1,100,000.00	04/03/2019	1,100,000.00	2.824%	22535CDV0
CERTIFICATE OF DEPOSIT	BNY MELLON	07/08/2022	900,000.00	07/10/2020	900,000.00	0.700%	86565CKU2
CERTIFICATE OF DEPOSIT	BNY MELLON	08/26/2022	1,150,000.00	08/27/2019	1,150,000.00	1.850%	65558TLL7
CERTIFICATE OF DEPOSIT	BNY MELLON	08/26/2022	1,125,000.00	08/29/2019	1,125,000.00	1.860%	83050PDR7
CERTIFICATE OF DEPOSIT	BNY MELLON	12/02/2022	1,125,000.00	12/04/2019	1,125,000.00	2.040%	23341VZT1
CORPORATE NOTE	BNY MELLON	09/04/2020	150,000.00	09/05/2017	149,874.00	1.922%	14913Q2A6
CORPORATE NOTE	BNY MELLON	01/08/2021	190,000.00	01/03/2018	189,901.20	2.385%	24422ETZ2
CORPORATE NOTE	BNY MELLON	01/08/2021	310,000.00	01/03/2019	309,814.00	3.091%	89236TFQ3
CORPORATE NOTE	BNY MELLON	02/01/2021	275,000.00	10/23/2017	274,873.50	2.179%	05531FAZ6
CORPORATE NOTE	BNY MELLON	03/01/2021	700,000.00	02/22/2018	699,657.00	2.829%	69371RN93
CORPORATE NOTE	BNY MELLON	03/15/2021	450,000.00	02/21/2018	449,500.50	2.966%	63743HER9
CORPORATE NOTE	BNY MELLON	03/22/2021	650,000.00	03/19/2018	646,678.50	3.055%	904764AZ0
CORPORATE NOTE	BNY MELLON	04/01/2021	640,000.00	11/09/2017	638,988.80	2.142%	911312BP0
CORPORATE NOTE	BNY MELLON	04/21/2021	200,000.00	02/13/2018	196,640.00	3.468%	61746BEA0
CORPORATE NOTE	BNY MELLON	05/05/2021	1,000,000.00	06/06/2016	1,005,010.00	1.958%	0258M0EB1
CORPORATE NOTE	BNY MELLON	05/15/2021	435,000.00	05/03/2018	434,699.85	3.137%	427866BA5
CORPORATE NOTE	BNY MELLON	05/17/2021	125,000.00	05/14/2019	124,940.00	2.676%	14913Q2W8
CORPORATE NOTE	BNY MELLON	05/21/2021	685,000.00	05/17/2018	684,979.45	3.250%	808513AW5
CORPORATE NOTE	BNY MELLON	06/07/2021	375,000.00	06/04/2019	374,745.00	2.336%	24422EUV9
CORPORATE NOTE	BNY MELLON	06/23/2021	700,000.00	06/20/2018	699,965.00	3.127%	931142EJ8
CORPORATE NOTE	BNY MELLON	08/01/2021	300,000.00	07/29/2019	299,988.00	2.305%	097023CL7
CORPORATE NOTE	BNY MELLON	09/03/2021	185,000.00	05/31/2018	184,779.85	3.256%	05531FBD4

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
INVESTMENT SUMMARY  
AUGUST 31, 2020**

INVESTMENT DESCRIPTION	INSTITUTION	MATURITY DATE	PAR VALUE	ISSUE DATE	PURCHASE PRICE	BOOK YIELD RATE	CUSIP
CORPORATE NOTE	BNY MELLON	09/07/2021	135,000.00	09/04/2018	134,896.05	3.185%	14913Q2N8
CORPORATE NOTE	BNY MELLON	09/10/2021	100,000.00	09/05/2018	99,969.00	3.138%	24422EUK3
CORPORATE NOTE	BNY MELLON	09/14/2021	250,000.00	09/11/2018	249,487.50	3.096%	88579YBA8
CORPORATE NOTE	BNY MELLON	09/15/2021	350,000.00	08/09/2019	358,725.50	2.062%	12189LAF8
CORPORATE NOTE	BNY MELLON	09/15/2021	665,000.00	09/04/2018	664,102.25	3.063%	717081EM1
CORPORATE NOTE	BNY MELLON	10/01/2021	685,000.00	09/13/2017	685,000.00	2.329%	06051GGS2
CORPORATE NOTE	BNY MELLON	12/10/2021	400,000.00	10/03/2018	399,808.00	3.395%	02665WCP4
CORPORATE NOTE	BNY MELLON	01/10/2022	125,000.00	01/04/2019	124,880.00	3.240%	24422EUQ0
CORPORATE NOTE	BNY MELLON	01/21/2022	455,000.00	01/22/2020	454,599.60	1.796%	63743HET5
CORPORATE NOTE	BNY MELLON	03/01/2022	125,000.00	11/27/2018	124,657.50	3.357%	437076BV3
CORPORATE NOTE	BNY MELLON	03/01/2022	325,000.00	02/12/2019	324,847.25	2.767%	88579YBF7
CORPORATE NOTE	BNY MELLON	03/07/2022	150,000.00	09/04/2018	149,274.00	3.189%	904764BF3
CORPORATE NOTE	BNY MELLON	03/11/2022	125,000.00	03/04/2019	124,992.50	2.801%	717081ER0
CORPORATE NOTE	BNY MELLON	03/15/2022	380,000.00	07/24/2019	387,550.60	2.195%	91159HHC7
CORPORATE NOTE	BNY MELLON	04/01/2022	170,000.00	03/04/2019	169,918.40	2.967%	24422EUT4
CORPORATE NOTE	BNY MELLON	04/12/2022	900,000.00	04/09/2019	899,433.00	2.673%	89236TFX8
CORPORATE NOTE	BNY MELLON	05/01/2022	165,000.00	04/30/2019	164,707.95	2.765%	097023CG8
CORPORATE NOTE	BNY MELLON	05/10/2022	150,000.00	05/03/2019	149,919.00	2.669%	69371RP83
CORPORATE NOTE	BNY MELLON	05/19/2022	600,000.00	04/05/2019	596,022.00	2.991%	61744YAH1
CORPORATE NOTE	BNY MELLON	05/20/2022	500,000.00	05/15/2019	499,400.00	2.793%	025816CD9
CORPORATE NOTE	BNY MELLON	06/18/2022	1,075,000.00	06/11/2018	1,075,000.00	3.516%	46647PAS5
CORPORATE NOTE	BNY MELLON	06/20/2022	650,000.00	03/11/2019	649,980.50	3.051%	05531FBG7
CORPORATE NOTE	BNY MELLON	06/27/2022	625,000.00	06/24/2019	624,425.00	2.232%	02665WCY5
CORPORATE NOTE	BNY MELLON	08/08/2022	225,000.00	07/30/2019	224,772.75	2.185%	438516BT2
CORPORATE NOTE	BNY MELLON	08/19/2022	545,000.00	08/17/2020	545,000.00	0.483%	438516CC8
CORPORATE NOTE	BNY MELLON	08/23/2022	505,000.00	08/20/2019	504,838.40	1.961%	06406RAK3
CORPORATE NOTE	BNY MELLON	09/01/2022	300,000.00	09/03/2019	299,349.00	1.725%	254687FJ0
CORPORATE NOTE	BNY MELLON	09/06/2022	425,000.00	09/03/2019	424,409.25	1.948%	14913Q3A5
CORPORATE NOTE	BNY MELLON	09/11/2022	270,000.00	09/04/2019	269,954.10	1.706%	037833DL1
CORPORATE NOTE	BNY MELLON	09/15/2022	380,000.00	03/13/2019	376,116.40	2.735%	589331AT4
CORPORATE NOTE	BNY MELLON	09/15/2022	300,000.00	05/22/2019	296,043.00	2.581%	92826CAG7
CORPORATE NOTE	BNY MELLON	09/26/2022	275,000.00	09/23/2019	274,664.50	2.042%	69371RQ33
CORPORATE NOTE	BNY MELLON	11/04/2022	725,000.00	10/28/2019	725,000.00	2.313%	17308CC46
CORPORATE NOTE	BNY MELLON	11/18/2022	225,000.00	01/09/2020	224,896.50	1.967%	14913Q3C1
CORPORATE NOTE	BNY MELLON	01/27/2023	350,000.00	01/21/2020	349,755.00	1.874%	06406RAM9
CORPORATE NOTE	BNY MELLON	02/01/2023	125,000.00	01/23/2020	125,010.00	1.697%	00724PAA7
CORPORATE NOTE	BNY MELLON	02/01/2023	130,000.00	01/22/2020	129,821.90	1.747%	00724PAA7
CORPORATE NOTE	BNY MELLON	02/14/2023	350,000.00	08/19/2019	348,666.50	1.864%	88579YBL4
CORPORATE NOTE	BNY MELLON	02/24/2023	250,000.00	02/20/2020	250,000.00	1.744%	69353RFT0
CORPORATE NOTE	BNY MELLON	05/01/2023	275,000.00	04/29/2020	274,455.50	0.817%	713448EY0
CORPORATE NOTE	BNY MELLON	05/11/2023	550,000.00	05/04/2020	548,504.00	0.842%	037833DV9
CORPORATE NOTE	BNY MELLON	05/11/2023	255,000.00	05/07/2020	255,000.00	1.141%	166764BV1
CORPORATE NOTE	BNY MELLON	06/03/2023	600,000.00	06/01/2020	599,160.00	0.447%	023135BP0
CORPORATE NOTE	BNY MELLON	06/08/2023	115,000.00	06/01/2020	114,840.15	0.847%	69371RQ82
CORPORATE NOTE	BNY MELLON	06/26/2023	350,000.00	06/09/2020	378,609.00	0.608%	931142EK5
CORPORATE NOTE	BNY MELLON	08/11/2023	100,000.00	08/04/2020	99,869.00	0.394%	69371RQ90
CORPORATE NOTE	BNY MELLON	08/11/2023	135,000.00	08/10/2020	135,000.00	0.426%	166756AJ5
CORPORATE NOTE	BNY MELLON	04/15/2024	275,000.00	05/07/2020	301,287.25	1.151%	20030NCR0
CORPORATE NOTE	BNY MELLON	06/01/2024	250,000.00	05/19/2020	250,000.00	1.514%	46647PBQ8
MUNICIPAL BOND / NOTE	BNY MELLON	12/01/2022	170,000.00	07/30/2020	170,000.00	0.349%	13067WQZ8
MUNICIPAL BOND / NOTE	BNY MELLON	07/01/2023	65,000.00	05/29/2020	65,388.05	1.798%	20772KJV2
MUNICIPAL BOND / NOTE	BNY MELLON	07/01/2023	325,000.00	07/02/2020	325,000.00	1.085%	73358W4V3
MUNICIPAL BOND / NOTE	BNY MELLON	07/01/2023	315,000.00	07/07/2020	316,845.90	0.885%	73358W4V3
MUNICIPAL BOND / NOTE	BNY MELLON	08/01/2023	625,000.00	07/23/2020	625,000.00	0.410%	574193TP3
MUNICIPAL BOND / NOTE	BNY MELLON	11/01/2023	275,000.00	07/24/2020	275,000.00	0.422%	605581MY0
MUNICIPAL BOND / NOTE	BNY MELLON	12/01/2023	75,000.00	07/30/2020	75,000.00	0.414%	13067WRA2
US TREASURY NOTES	BNY MELLON	11/15/2021	1,925,000.00	12/10/2018	1,932,970.70	2.693%	9128285L0
US TREASURY NOTES	BNY MELLON	11/30/2021	700,000.00	11/21/2019	701,914.06	1.611%	912828U65
US TREASURY NOTES	BNY MELLON	11/30/2021	1,150,000.00	12/02/2019	1,152,066.41	1.658%	912828U65
US TREASURY NOTES	BNY MELLON	01/15/2022	5,450,000.00	01/29/2019	5,442,335.94	2.557%	9128285V8
US TREASURY NOTES	BNY MELLON	01/15/2022	500,000.00	02/01/2019	499,980.47	2.501%	9128285V8
US TREASURY NOTES	BNY MELLON	01/31/2022	2,000,000.00	02/07/2019	1,945,625.00	2.596%	912828H86
US TREASURY NOTES	BNY MELLON	01/31/2022	6,000,000.00	01/07/2019	5,891,718.75	2.602%	912828V72
US TREASURY NOTES	BNY MELLON	01/31/2022	1,275,000.00	10/11/2019	1,283,018.55	1.594%	912828V72



**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT  
INVESTMENT SUMMARY  
AUGUST 31, 2020**

INVESTMENT DESCRIPTION	INSTITUTION	MATURITY DATE	PAR VALUE	ISSUE DATE	PURCHASE PRICE	BOOK YIELD RATE	CUSIP
US TREASURY NOTES	BNY MELLON	02/15/2022	2,150,000.00	03/01/2019	2,147,564.45	2.544%	9128286C9
US TREASURY NOTES	BNY MELLON	02/28/2022	1,850,000.00	10/15/2019	1,855,564.45	1.620%	912828J43
US TREASURY NOTES	BNY MELLON	04/15/2022	2,200,000.00	05/01/2019	2,201,375.00	2.226%	9128286M7
US TREASURY NOTES	BNY MELLON	04/30/2022	1,500,000.00	04/01/2019	1,475,800.78	2.342%	912828WZ9
US TREASURY NOTES	BNY MELLON	05/31/2022	1,325,000.00	06/19/2019	1,325,983.40	1.848%	912828XD7
US TREASURY NOTES	BNY MELLON	07/31/2022	2,700,000.00	06/03/2019	2,702,531.25	1.843%	9128282P4
US TREASURY NOTES	BNY MELLON	07/31/2022	975,000.00	06/27/2019	978,960.94	1.739%	9128282P4
US TREASURY NOTES	BNY MELLON	07/31/2022	3,500,000.00	07/01/2019	3,511,210.94	1.768%	9128282P4
US TREASURY NOTES	BNY MELLON	08/15/2022	745,000.00	09/05/2019	745,698.44	1.467%	912828YA2
US TREASURY NOTES	BNY MELLON	08/31/2022	800,000.00	10/03/2019	806,156.25	1.354%	9128282S8
US TREASURY NOTES	BNY MELLON	09/30/2022	1,975,000.00	09/12/2019	1,979,166.02	1.679%	912828L57
US TREASURY NOTES	BNY MELLON	10/15/2022	3,300,000.00	10/31/2019	3,287,496.09	1.507%	912828YK0
US TREASURY NOTES	BNY MELLON	10/15/2022	1,000,000.00	12/02/2019	992,421.88	1.647%	912828YK0
US TREASURY NOTES	BNY MELLON	11/15/2022	500,000.00	11/21/2019	500,527.34	1.588%	912828TY6
US TREASURY NOTES	BNY MELLON	01/15/2023	2,150,000.00	02/03/2020	2,160,582.03	1.329%	912828Z29
US TREASURY NOTES	BNY MELLON	01/15/2023	1,000,000.00	03/12/2020	1,025,468.75	0.590%	912828Z29
US TREASURY NOTES	BNY MELLON	01/31/2023	925,000.00	12/26/2019	927,420.90	1.663%	912828P38
US TREASURY NOTES	BNY MELLON	01/31/2023	2,400,000.00	01/02/2020	2,409,843.75	1.612%	912828P38
US TREASURY NOTES	BNY MELLON	03/31/2023	4,000,000.00	03/02/2020	4,082,343.75	0.820%	912828Q29
US TREASURY NOTES	BNY MELLON	05/15/2023	2,000,000.00	06/03/2020	1,992,812.50	0.248%	912828ZP8
US TREASURY NOTES	BNY MELLON	06/15/2023	1,500,000.00	06/11/2020	1,501,933.59	0.207%	912828ZU7
US TREASURY NOTES	BNY MELLON	06/15/2023	1,000,000.00	06/18/2020	1,000,820.31	0.222%	912828ZU7
US TREASURY NOTES	BNY MELLON	06/30/2023	750,000.00	03/05/2020	768,222.66	0.631%	912828S35
FIDELITY GOVERNMENT	BNY MELLON		59,451.19		59,451.19	0.200%	
LOCAL AGENCY INVESTMENT FUND	LAIF	DAILY	22,099,151.54		22,099,151.54	0.720%	AT 8/31/20
CAMP	CAMP	DAILY	6,047,804.17		6,047,804.17	0.300%	AT 8/31/20
			<u>143,466,406.90</u>		<u>143,464,010.45</u>		

ALL INVESTMENTS LISTED ON THIS MONTHLY INVESTMENT SUMMARY AND HELD BY SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT ARE IN COMPLIANCE WITH THE DISTRICT'S INVESTMENT POLICY.

THE DISTRICT CAN MEET ITS EXPENDITURE REQUIREMENTS FOR THE NEXT SIX MONTHS.

  
CFO / DEPUTY GENERAL MANAGER



**DATE:** September 15, 2020  
**TO:** Board of Directors  
**FROM:** Tom Holcombe, Operations Manager  
**SUBJECT:** Operations Report for August 2020

**ANNUAL SUPPLIES AND DELIVERIES FOR AUGUST 2020**

<i>SUPPLY</i>	<i>AMOUNT (Acre-Feet)</i>	<i>DELIVERIES TO DATE</i>	<i>BALANCE</i>
Carryover	11,471	6,758	4,713
Table A	20,520	0	20,520
Yuba Accord	4,720	1,494	3,226
Kern - Delta	5,000	2,391	2,609
Subtotal SWP	41,711	10,643	31,068
<b>TOTAL</b>	<b>41,711</b>	<b>10,643</b>	<b>31,068</b>

**MONTHLY DELIVERIES FOR AUGUST 2020**

<i>CUSTOMER</i>	<i>DELIVERY POINT</i>	<i>AMOUNT (Acre-Feet)</i>
SBBA - Groundwater Council	Sweetwater/Badger/Waterman/City Creek/Plant 134/Santa Ana Low/ Mill Creek	0.0
SBBA - Groundwater Council	Plant 134	0.0
West Valley Water District	Lytle Creek	336.9
Yucaipa Valley Water District	Yucaipa / Wilson	764.0
Bear Valley Mutual Water Company	Newport/ZT/Tres Lagos /BB/ SARC	658.8
SB county Regional Parks	Yucaipa Regional Park	21.2
Greenspot Mutual Water Company	Newport Turnout/ Tres Lagos	4.9
City of Redlands	SARC/Mill Creek	289.9
City of Redlands	Tate Pump	0.0
East Valley Water District	Plant 134 / North Fork	241.2
East Valley Water District	Santa Ana Low	0.0
San Bernardino City	Waterman/Badger/Sweetwater	0.0
Valley District	Waterman / Sweetwater	0.0
Valley District	Yucaipa / Wilson Basin	0.0
Valley District	SARC/Mill Creek	0.0
Storage		167.9
<b>TOTAL FOR AUGUST</b>		<b>2,484.8</b>

**San Bernardino Basin Area Wells**

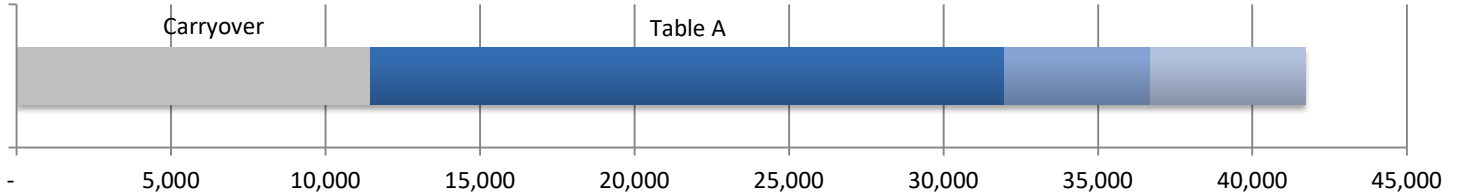
Valley District extracted 466.3 acre-feet of groundwater from the San Bernardino Basin Area at the Baseline Feeder Replacement wells for delivery to West Valley Water District, City of Rialto and 0.0 acre feet delivered to City of Redlands from the San Bernardino Ave. Well.



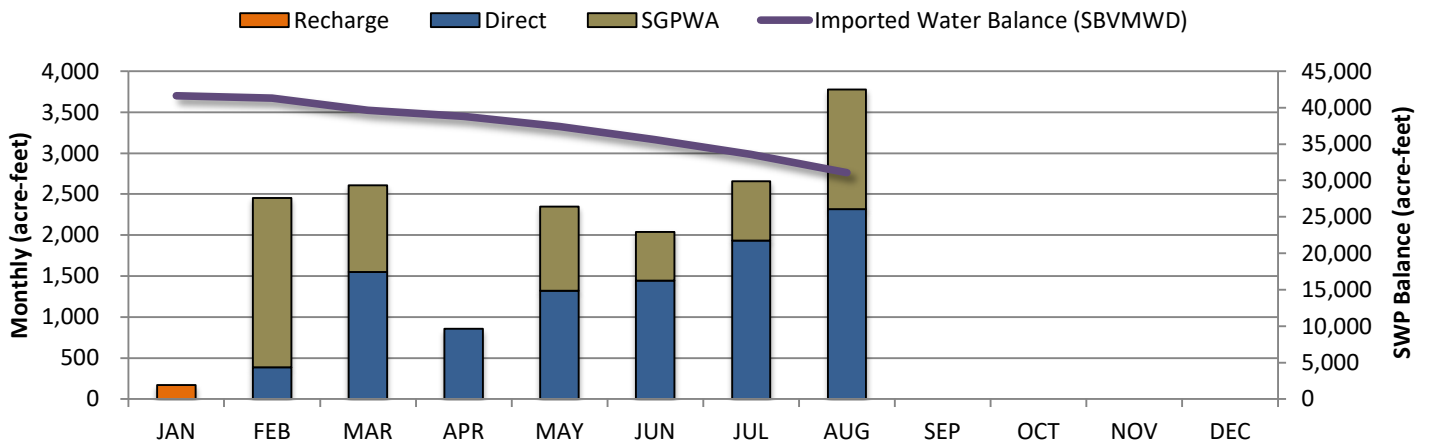
# San Bernardino Valley Municipal Water District

Calendar Year 2020 -- Acre Feet

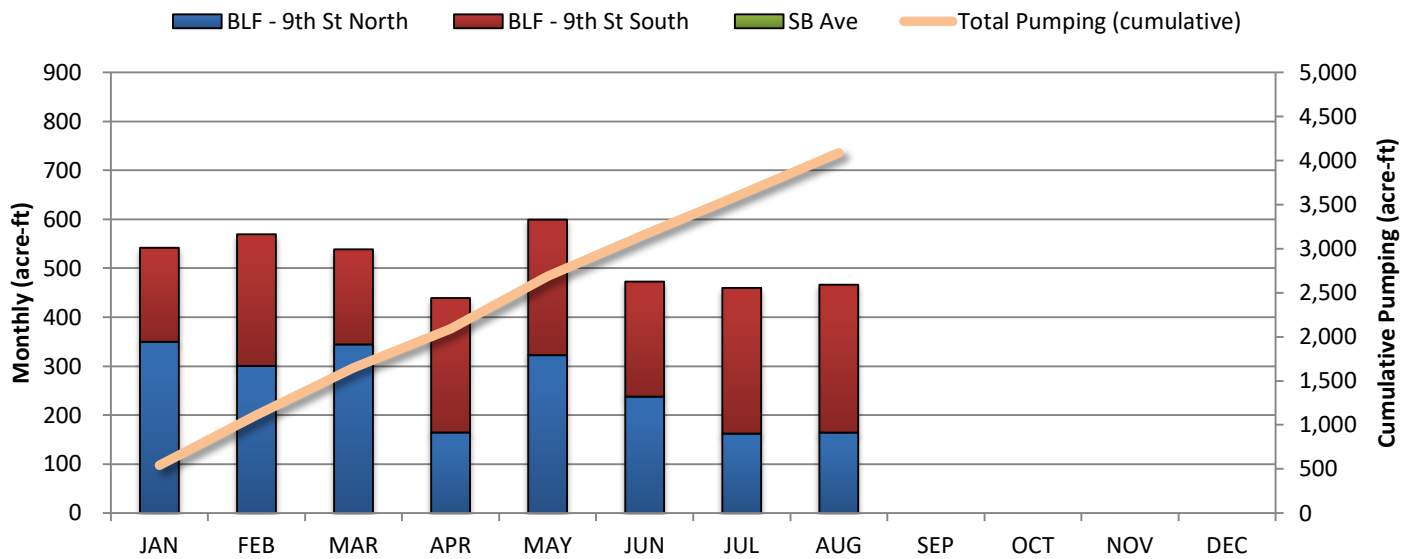
## IMPORTED WATER SUPPLY PORTFOLIO



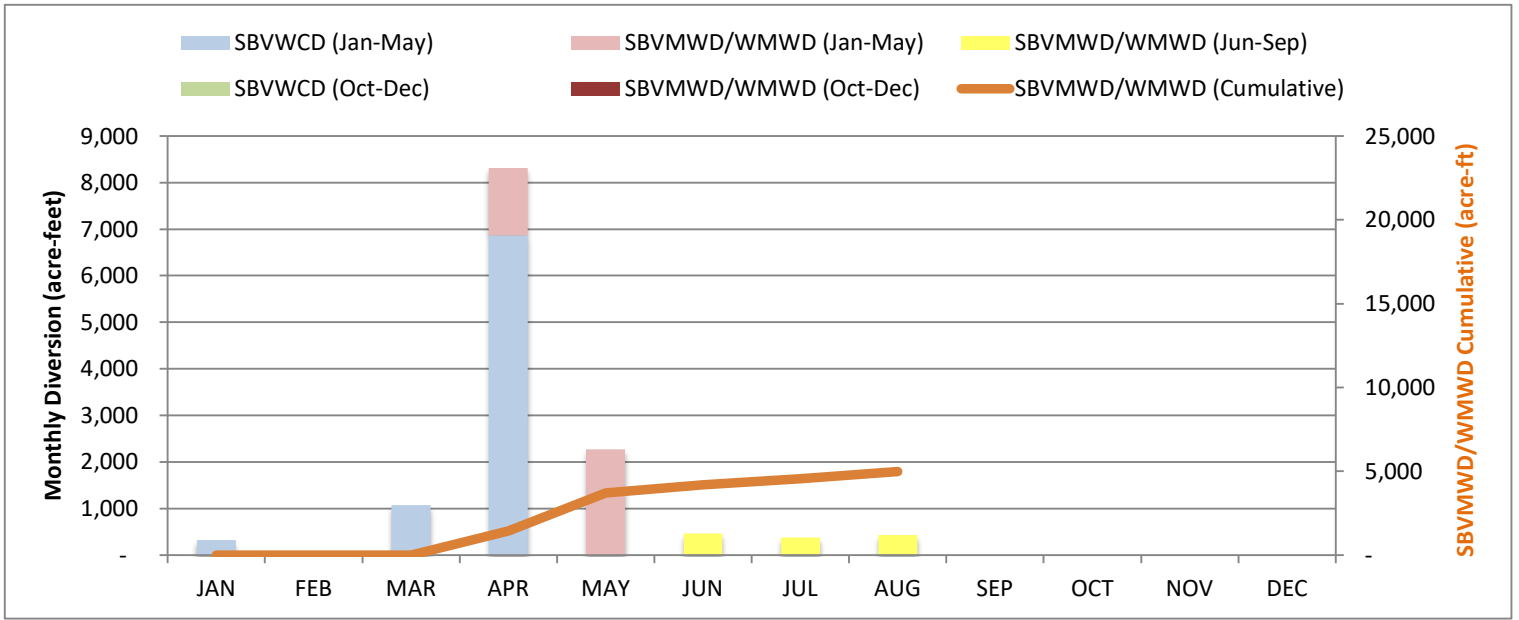
## IMPORTED WATER DELIVERIES



## SAN BERNARDINO BASIN PUMPING

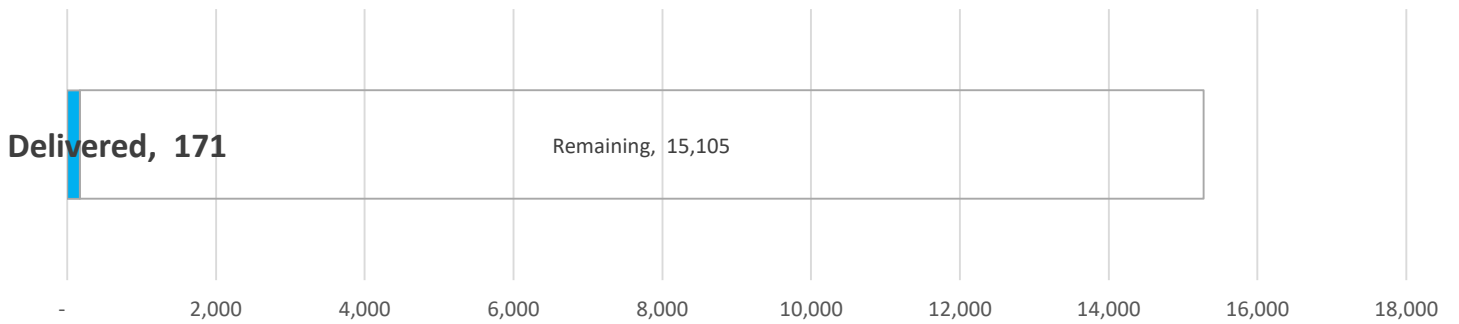


**SANTA ANA RIVER DIVERSIONS**



**SAN BERNARDINO BASIN GROUNDWATER COUNCIL DELIVERIES**

CY 2020 Deliveries	171 AF
SBBA GC Total Planned Deliveries	15,276 AF





San Bernardino Valley Municipal Water District

Delivery of Water For Calendar Year 2020 -- Acre Feet

Measurement / Delivery Point	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>IMPORTED WATER SUPPLIES</b>													
<b>ADDITIONAL SUPPLIES VIA SWP</b>													
Multi-year Water Pool Demo	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Delta Water Bank	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sub-total additional supplies</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>STATE WATER PROJECT DELIVERY CATEGORIES</b>													
CLAWA Sale (2007 Agreement)	0	0	0	0	0	0	0	0	0	0	0	0	0
2018 Carry-over spill	0	0	0	0	0	0	1,494	0	0	0	0	0	1,494
Santa Clara Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Delta Water Bank	0	0	0	0	0	1,847	544	0	0	0	0	0	2,391
State Water Project - Local Deliveries	81	512	1,015	842	1,406	0	0	0	0	0	0	0	3,856
<i>Sub-total Deliveries via SWP (DWR meters)</i>	<i>81</i>	<i>512</i>	<i>1,015</i>	<i>842</i>	<i>1,406</i>	<i>1,847</i>	<i>2,038</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>7,741</i>

<b>RECHARGE DELIVERIES</b>													
<b>Glen Helen Turnout</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Sweetwater</b>													
Sweetwater - SBBA GC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Sweetwater - Valley District	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
<b>Badger</b>													
Badger - SBBA GC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Waterman</b>													
Waterman - SBBA GC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Waterman - BLF Obligation - RHWC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Waterman - BLF Obligation - Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Waterman - BLF Obligation - WVWD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Waterman - Valley District	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Patton</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Santa Ana Low</b>													
Santa Ana Low - EVWD In-Lieu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Santa Ana Low - SBBA GC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Santa Ana Low - BVMWC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Santa Ana Low - Redlands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Santa Ana Low - Valley District	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Plunge Creek - Valley District</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>
<b>Mill Creek Spreading</b>													
Mill Creek Spreading - Redlands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Mill Creek Spreading - Valley District	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

**Delivery of Water For Calendar Year 2020 -- Acre Feet**

Measurement / Delivery Point	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Lower Mill Creek - SBBA GC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Mill Creek Spreading - SBBA GC	171.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	171
<b>Zanja East Weir to WCD - Valley District</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>
<b>Wilson Creek</b>													
Wilson Creek - YVWD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Wilson Basin - Valley District	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Oak Glen Basin - Valley District</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>
<i>Sub-total Recharge</i>	<i>172.6</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>173</i>

<b>DIRECT DELIVERIES</b>													
<b>Lytle Creek</b>													
Lytle Creek - WVWD TP	0.0	73.0	344.3	176.8	308.3	273.7	284.0	336.9	0.0	0.0	0.0	0.0	1,797
Lytle Creek - Marygold Mutual	0.0	32.1	52.7	65.2	72.0	77.7	21.5	0.0	0.0	0.0	0.0	0.0	321
<b>CLAWA</b>													
CLAWA Sale (#07-025)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>EVWD Plant 134</b>													
EVWD Plant 134 In-Lieu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
EVWD Plant 134 - BVMWC (for EVWD)	0.0	86.6	190.6	210.3	231.2	229.4	245.9	0.0	0.0	0.0	0.0	0.0	1,194
EVWD Plant 134 - SBBA GC - EVWD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
EVWD Plant 134 - EVWD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	241.2	0.0	0.0	0.0	0.0	241
<b>Northfork</b>													
Northfork - EVWD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Northfork - EVWD - In-Lieu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Northfork - BVMWC (for EVWD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Edwards Canal Pump</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>
<b>S.A.R.C.</b>													
S.A.R.C. - Valley District	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
S.A.R.C. to Redlands Aqueduct - Redlands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	289.9	0.0	0.0	0.0	0.0	290
S.A.R.C. to Redlands Aqueduct - In-Lieu	0.0	0.0	0.0	0.0	0.0	26.6	378.2	392.6	0.0	0.0	0.0	0.0	797
S.A.R.C. to Redlands Aqueduct - BVMWC (for Redlands)	0.0	0.0	455.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	456
S.A.R.C. to Redlands Aqueduct Recharge	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>East Valley W.D. Greenspot Road</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>
<b>Bear Valley Highline Connector</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>
<b>SB County Flood Control Grove</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>
<b>Newport Ave.</b>													
Newport Ave. - Greenspot Mutual	0.0	2.8	0.0	0.0	1.5	4.6	5.0	4.9	0.0	0.0	0.0	0.0	19
Newport Ave. - BVMWC	0.0	8.3	0.0	1.8	12.8	11.4	11.7	11.3	0.0	0.0	0.0	0.0	57
Newport Ave. - In-Lieu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Tres Lagos</b>													
Tres Lagos - Greenspot Mutual	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
Tres Lagos - BVMWC	0.0	17.7	5.6	4.2	22.1	21.3	23.7	27.7	0.0	0.0	0.0	0.0	122
Tres Lagos - In-Lieu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

**Delivery of Water For Calendar Year 2020 -- Acre Feet**

Measurement / Delivery Point	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>Unger Lane to Zanja</b>													
Unger Lane to Zanja - Crafton In-Lieu	0.0	0.0	0.0	0.0	40.6	199.7	244.4	219.2	0.0	0.0	0.0	0.0	704
Unger Lane to Zanja - Crafton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Boullioun Box</b>													
Boullioun Box to Zanja	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Boullioun Box to Highline In-Lieu	0.0	0.0	14.5	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	23
Boullioun Box to Highline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>City of Redlands</b>													
City of Redlands - Tate Treatment In-Lieu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
City of Redlands - Tate Treatment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Yucaipa Regional Park</b>	0.0	8.9	3.5	0.0	37.4	15.0	21.4	21.2	0.0	0.0	0.0	0.0	107
<b>Yucaipa Valley Water District T.O.</b>	0.0	152.5	484.5	401.1	596.8	584.6	700.0	764.0	0.0	0.0	0.0	0.0	3,684
<b>Western Heights via YVWD T.O.</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<i>Sub-total Direct Delivery</i>	0.0	388.4	1,551.3	859.4	1,322.7	1,444.0	1,935.7	2,316.9	0.0	0.0	0.0	0.0	9,818
<b>STORAGE</b>													
<b>Citrus Reservoir, tanks, Crafton Hills Reservoir, e</b>	(90.2)	(40.2)	95.1	(17.6)	70.0	374.5	92.3	167.9	0.0	0.0	0.0	0.0	652
<b>Sub-total SBVMWD Imported Water</b>	<b>82.4</b>	<b>348.2</b>	<b>1,646.4</b>	<b>841.8</b>	<b>1,392.7</b>	<b>1,818.5</b>	<b>2,028.0</b>	<b>2,484.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10,642.8</b>

Other SWP Deliveries

Little San Gorgonio Creek Turnout	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1	0.0	0.0	0.0	0.0	18
Noble Creek Turnout	0.0	2,064.4	1,054.5	0.0	1,024.4	591.4	719.3	1,439.3	0.0	0.0	0.0	0.0	6,893
Lytle Creek - WVWD (MWDSC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<i>Sub-total Other SWP Deliveries</i>	0.0	2,064.4	1,054.5	0.0	1,024.4	591.4	719.3	1,457.4	0.0	0.0	0.0	0.0	6,911
<b>Total Imported Water in Valley District Facilities</b>	<b>82.4</b>	<b>2,412.6</b>	<b>2,700.9</b>	<b>841.8</b>	<b>2,417.1</b>	<b>2,409.9</b>	<b>2,747.3</b>	<b>3,942.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>17,554</b>

<b>SAN BERNARDINO BASIN PUMPING</b>													
<b>Baseline Feeder</b>													
Ninth Street North Replacement Well	349.7	300.4	344.3	164.5	322.5	237.8	162.3	164.4	0.0	0.0	0.0	0.0	2,046
Ninth Street South Replacement Well	192.1	269.0	194.2	274.6	276.7	234.9	297.4	301.9	0.0	0.0	0.0	0.0	2,041
<i>Sub-total Baseline Feeder</i>	541.8	569.3	538.6	439.1	599.2	472.7	459.6	466.3	0.0	0.0	0.0	0.0	4,087
San Bernardino Avenue Well No. 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
San Bernardino Avenue Well No. 1 - In Lieu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Redlands Agreement (RPS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
De-watering Well # 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
De-watering Well # 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
<b>Total San Bernardino Basin Pumping</b>	<b>541.8</b>	<b>569.3</b>	<b>538.6</b>	<b>439.1</b>	<b>599.2</b>	<b>472.7</b>	<b>459.6</b>	<b>466.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4,087</b>
<b>TOTAL Water in SBVMWD Facilities</b>	<b>624.2</b>	<b>2,981.9</b>	<b>3,239.5</b>	<b>1,280.9</b>	<b>3,016.3</b>	<b>2,882.6</b>	<b>3,206.9</b>	<b>4,408.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>21,641</b>

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT**  
**RECAP OF DIRECTORS FEES AND EXPENSE REIMBURSEMENT**  
**PAID IN THE MONTH OF AUGUST 2020**

	MILFORD HARRISON	JUNE HAYES	PAUL KIELHOLD	SUSAN LONGVILLE	GIL NAVARRO
<b>DIRECTOR COMPENSATION - JULY MEETINGS</b>	2,990.00	2,392.00	2,392.00	2,990.00	2,990.00
<b>EXPENDITURES / REIMBURSEMENTS</b>					
<b>EDUCATION</b>					
ACWA VIRTUAL CONFERENCE				350.00	
<b>TRAVEL</b>					
MILEAGE REIMBURSEMENT - MEETINGS OUTSIDE DISTRICT SERVICE AREA					
MILEAGE REIMBURSEMENT - MEETINGS WITHIN DISTRICT SERVICE AREA					
<b>MEALS</b>					
<b>LODGING</b>					
<b>ADMINISTRATIVE</b>					

*THIS REPORT IS PROVIDED IN ACCORDANCE TO RESOLUTION 1100*

*EACH BOARD MEMBER SHALL BE PROVIDED WITH A MONTHLY REPORT SHOWING THE AMOUNT OF COMPENSATION OR REIMBURSEMENT REQUESTED BY EACH BOARD MEMBER.*





## Director's Activity Report

Director's Name **T. Milford Harrison**      Month Reporting Activity **AUGUST**

Date	Meeting/Activity Description	Explanation Provide description of the meeting or activity and brief explanation on the benefits to the District and work of the Board by your attendance. <i>(Not required for Valley District meetings)</i>	Max 10/month	Travel Cost Estimate <i>(Staff)</i>
1	08/03/2020 Other BASIN TECHNICAL ADVISORY	PUBLISHED AGENDA	\$299	
2	08/04/2020 Valley District Board Mtg 1	PUBLISHED AGENDA	\$299	
3	08/05/2020 SPECIAL BOARD MEETING	PUBLISHED AGENDA	\$299	
4	08/12/2020 SBV Water Conservation District Mtg	PUBLISHED AGENDA	\$299	
5	08/13/2020 Workshop - Policy	PUBLISHED AGENDA	\$299	
6	08/14/2020 CSDA Mtg	PUBLISHED AGENDA-- CSDA LEGISLATIVE COMMITTEE MEETING	\$299	
7	08/17/2020 CSDA Mtg--ASBCSD BOARD MEET.	SPECIAL DISTRICTS BOARD OF DIRECTORS MEETING	\$299	
8	08/18/2020 Valley District Board Mtg 2	PUBLISHED AGENDA	\$299	
9	08/24/2020 Other-- ATMOSPHERIC RIVERS MEETII	CONFERENCE WITH MARTY RALPH RE: JOINING ATMOSPHERIC RIVERS ADVISORY	\$299	
10	08/28/2020 RIVERSIDE CO.WATER TASK FORCE	CONFERENCE ON DROUGHT AND OTHER PROBLEMS FACING WATER PROVIDERS	\$299	
11	08/31/2020 Conference with General Manager	REVIEW OF OPERATIONS, AGENDAS AND PERSONNEL	\$0	
12			Per diem?	
13			Per diem?	
14			Per diem?	
15			Per diem?	
<b>Total Requested Compensation</b>			<b>\$ 2,990.00</b>	

*The undersigned certifies that the claims hereby stated are for authorized activities as described in the District's approved Resolution establishing rules and procedures for compensation of Directors.*

Signed: **T. MILFORD HARRISON**      Digitally signed by T. MILFORD HARRISON  
 Date: 2020.09.03 15:51:36 -0700'      Date: **09/04/2020**



## Director's Activity Report

Director's Name **JUNE HAYES**

Month Reporting Activity **August 2020**

Date	Meeting/Activity Description	Explanation Provide description of the meeting or activity and brief explanation on the benefits to the District and work of the Board by your attendance. (Not required for Valley District meetings)	Max 10/month	Travel Cost Estimate (Staff)
1	08/04/2020 Valley District Board Mtg 1		\$299	
2	08/06/2020 Other	SCWC	\$0	
3	08/06/2020 Workshop - Resources		\$299	
4	08/06/2020 Retail Agency Board Meeting	WWWD	\$0	
5	08/07/2020 Other	WACO	\$299	
6	08/10/2020 Other	Hanes Park JPA	\$299	
7	08/11/2020 Workshop - Engineering		\$299	
8	08/13/2020 Workshop - Policy		\$299	
9	08/14/2020 Other	BIA Water Summit	\$0	
10	08/18/2020 Valley District Board Mtg 2		\$299	
11	08/20/2020 Other	FBI Cybersecurity webinar	\$0	
12	08/20/2020 Retail Agency Board Meeting	WWWD	\$299	
13	08/25/2020 Other	CSDA webinar	\$299	
14	08/26/2020 Other	CSDA webinar	\$299	
15	08/28/2020 Other	Riverside County Water Task Force	\$0	
<b>Total Requested Compensation</b>			<b>\$ 2,990.00</b>	

*The undersigned certifies that the claims hereby stated are for authorized activities as described in the District's approved Resolution establishing rules and procedures for compensation of Directors.*

Digitally signed by June D. Hayes  
Date: 2020.09.09 11:02:55 -07'00'

Signed: **June D. Hayes**

Date: **09/09/2020**



## Director's Activity Report

Director's Name Paul Kielhold

Month Reporting Activity August 2020

Date	Meeting/Activity Description	Explanation Provide description of the meeting or activity and brief explanation on the benefits to the District and work of the Board by your attendance. <i>(Not required for Valley District meetings)</i>	Max 10/month	Travel Cost Estimate <i>(Staff)</i>
1	8/3/20 SBV Water Conservation District Mtg <input checked="" type="checkbox"/>	Wash Plan approval celebration	\$299	
2	8/4/20 Valley District Board Mtg 1 <input checked="" type="checkbox"/>		Per diem?	
3	8/5/20 Other <input checked="" type="checkbox"/>	Special Board meeting	\$299	
4	8/6/20 Workshop - Resources <input checked="" type="checkbox"/>		Per diem?	
5	8/10/20 Other <input checked="" type="checkbox"/>	San Bernardino Water Resources JPA	\$299	
6	8/11/20 Workshop - Engineering <input checked="" type="checkbox"/>		Per diem?	
7	8/13/20 Workshop - Policy <input checked="" type="checkbox"/>		Per diem?	
8	8/18/20 Valley District Board Mtg 2 <input checked="" type="checkbox"/>		Per diem?	
9	Select from List		Per diem?	
10	Select from List		Per diem?	
11	Select from List		Per diem?	
12	Select from List		Per diem?	
13	Select from List		Per diem?	
14	Select from List		Per diem?	
15	Select from List		Per diem?	
<b>Total Requested Compensation</b>			<b>\$ 2,392.00</b>	

*The undersigned certifies that the claims hereby stated are for authorized activities as described in the District's approved Resolution establishing rules and procedures for compensation of Directors.*

Signed: Paul Kielhold

Date: 09/07/2020



# Director's Activity Report

Reset Form

Director's Name Susan Longville

Month Reporting Activity August 2020

Date	Meeting/Activity Description	Explanation Provide description of the meeting or activity and brief explanation on the benefits to the District and work of the Board by your attendance. (Not required for Valley District meetings)	Max 10/month	Travel Cost Estimate (Staff)
1	Select from List	<u>BTAC Meeting</u>	Per diem? <u>Yes</u>	<u>\$299</u>
2	Select from List	<u>Board Meeting # 1</u>	Per diem? <u>Yes</u>	<u>\$299</u>
3	Select from List	<u>Special Meeting of the Board of Directors</u>	Per diem? <u>Yes</u>	<u>\$299</u>
4	Select from List	<u>Board Workshop - Resources</u>	Per diem? <u>Yes</u>	<u>\$299</u>
5	Select from List	<u>San Bernardino Regional Water Resources Authority</u>	Per diem? <u>Yes</u>	<u>\$299</u>
6	Select from List	<u>Board Workshop - Engineering</u>	Per diem? <u>Yes</u>	<u>\$299</u>
7	Select from List	<u>Board Workshop - Policy</u>	Per diem? <u>Yes</u>	<u>\$299</u>
8	Select from List	<u>Recycled Water in 2020 Webinar / San Bernardino County Water Conference</u>	Per diem? <u>Yes</u>	<u>\$299</u>
9	Select from List	<u>Board Meeting # 2</u>	Per diem? <u>Yes</u>	<u>\$299</u>
10	Select from List	<u>Riverside County Water Task Force Webinar (Negotiated Per diem?)</u>	Per diem? <u>Yes</u>	<u>\$299</u>
11	Select from List		Per diem?	
12	Select from List		Per diem?	
13	Select from List		Per diem?	
14	Select from List		Per diem?	
15	Select from List		Per diem?	
Total Requested Compensation			<u>\$2,990.00</u>	

The undersigned certifies that the claims hereby stated are for authorized activities as described in the District's approved Resolution establishing rules and procedures for compensation of Directors.

Signed: Susan Longville

Date: 9-3-20



## Director's Activity Report

Director's Name **Gil Navarro**

Month Reporting Activity **August 2020**

Date	Meeting/Activity Description	Explanation Provide description of the meeting or activity and brief explanation on the benefits to the District and work of the Board by your attendance. (Not required for Valley District meetings)	Max 10/month	Travel Cost Estimate (Staff)
1 08/03/2020	Other	BTAC	\$299	\$ 0.00
2 08/04/2020	Valley District Board Mtg 1		\$299	\$ 0.00
3 08/05/2020	Other	Special Board Meeting- SBVMWD	\$299	\$ 0.00
4 08/06/2020	Workshop - Resources		\$299	\$ 0.00
5 08/10/2020	Other	San Bernardino Regional Water Resources Authority	\$299	\$ 0.00
6 08/11/2020	Workshop - Engineering		\$299	\$ 0.00
7 08/12/2020	SBV Water Conservation District Mtg		\$299	\$ 0.00
8 08/13/2020	Workshop - Policy		\$299	\$ 0.00
9 08/18/2020	Valley District Board Mtg 2		\$299	\$ 0.00
10 08/20/2020	Other	West Valley Water District	\$299	\$ 0.00
11	Select from List		Per diem?	
12	Select from List		Per diem?	
13	Select from List		Per diem?	
14	Select from List		Per diem?	
15	Select from List		Per diem?	
<b>Total Requested Compensation</b>			<b>\$ 2,990.00</b>	

*The undersigned certifies that the claims hereby stated are for authorized activities as described in the District's approved Resolution establishing rules and procedures for compensation of Directors.*

Digitally signed by Gil Navarro  
Date: 2020.09.07 11:05:19 -07'00'

Signed: **Gil Navarro** Date: **09/07/2020**



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**DATE:** September 15, 2020

**TO:** Board of Directors

**SUBJECT:** List of Announcements

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- A. October 1, 2020, 2 p.m. – Board Workshop – Resources
- B. October 5, 2020, 1:30 p.m. – Basin Technical Advisory Committee
- C. October 6, 2020, 9:30 a.m. – Santa Ana Watershed Project Authority (SAWPA) Commission Meeting
- D. October 8, 13, and 14 8:30 a.m. – 1 p.m. – SAWPA Virtual Summit: Ensuring Equitable Involvement in Regional Water Planning