



**BEAUMONT-CHERRY VALLEY WATER DISTRICT
AGENDA
REGULAR MEETING OF THE BOARD OF DIRECTORS
560 Magnolia Avenue, Beaumont, CA 92223
Wednesday, February 13, 2019 - 6:00 p.m.**

Call to Order: President Covington

Pledge of Allegiance: Director Hoffman

Invocation: Director Williams

Roll Call

Public Comment

PUBLIC COMMENT:

At this time, any person may address the Board of Directors on matters within its jurisdiction which are not on the agenda. However, state law prohibits the Board from discussing or taking action on any item not listed on the agenda. Any non-agenda matters that require action will be referred to Staff for a report and possible action at a subsequent meeting. To provide comments on specific agenda items, please complete a speaker's request form and provide the completed form to the Board Secretary prior to the Board meeting. **Please limit your comments to three minutes.** Sharing or passing time to another speaker is not permitted.

ACTION ITEMS

Information on the following items is included in the full Agenda Packet.

1. Adjustments to the Agenda

2. Consent Calendar: All matters listed under the Consent Calendar are considered by the Board of Directors to be routine and will be enacted in one motion. There will be no discussion of these items prior to the time the Board considers the motion unless members of the Board, the administrative staff, or the public request specific items to be discussed and/or removed from the Consent Calendar.

- a. December 2018 Budget Variance Report (pages 4 - 9)
- b. December 31, 2018 Cash/Investment Balance Report (page 10)
- c. January 2019 Check Register (pages 11 - 27)
- d. January 2019 Invoices Pending Approval (pages 28 - 29)
- e. Minutes of the Regular Meeting of January 9, 2019 (pages 30 - 36)
- f. Minutes of the Regular Meeting of January 24, 2019 (pages 37 - 45)

3. Consideration of Sites Reservoir Phase 2 Agreement and Authorization of Related Expenditure for 2019 Participation, Not-To-Exceed \$267,790.50 (pages 46 -78)

4. **Review and Consideration of the San Gorgonio Pass Water Agency Invoice for the East Branch Extension Noble Creek Turnout Upgrade and Authorization for Expenditures not to Exceed \$60,000 for DWR Construction and Plan Check Deposit** (pages 79 - 83)
5. **Resolution 2019-__:** **Consideration of Approval of Water Supply Assessment and Update to “Will Serve Letter” for Water Service for Hidden Canyon Industrial Park located south of State Highway 60 and west of Potrero Boulevard (Riverside County Assessor’s Parcel Numbers 421-020-001 and 421-020-006)** (pages 84 - 166)
6. **Consideration of Request for “Will Serve Letter” for 9087 Avenida Miravilla (formerly known as Riverside County Assessor’s Parcel Nos. 401-190-033, 401-190-034 and 401-190-035 located on Nonie Court) in the Community of Cherry Valley** (pages 167 - 173)

INFORMATION / DISCUSSION ITEMS

7. **Discussion regarding Board training with BCVWD’s Public Relations Consultant CV Strategies** (No Staff Report)
8. **Update regarding Office Rental Space** (No Staff Report)
9. **Update and Discussion regarding California Water Conditions as of February 7, 2019** (pages 174 - 181)
10. **Review of BCVWD Grant Opportunities** (pages 182 - 183)
11. **Update: Well 26** (No Staff Report)

12. Reports For Discussion

- a. Ad Hoc Committees
- b. General Manager
- c. Directors’ Reports
- d. Legal Counsel Report

13. Announcements

- District Offices will be closed Monday, February 18, 2019 in observance of Presidents’ Day
- Engineering Workshop: February 28, 2019 at 6:00 p.m.
- Collaborative Agencies Committee meeting: March 6, 2019 at 5:00 p.m.
(Location: *Beaumont-Cherry Valley Recreation and Park District – Noble Creek Community Center, 390 W. Oak Valley Pkwy*)
- Finance and Audit Committee meeting: March 7, 2019 at 3:00 p.m.
- Personnel Committee Meeting: March 25, 2019 at 5:30 p.m.
- Beaumont Basin Watermaster Committee: March 27, 2019 at 10 a.m.

14. Action List for Future Meetings

- Proposition 1 Bond Opportunities
- Proposition 68
- Water supply for BCVWD and the region

15. Closed Session

- a. **CONFERENCE WITH LABOR NEGOTIATORS**
Pursuant to Government Code Section 54957.6
District Designated Representatives: Dan Jagers, General Manager
Employee Organization: BCVWD Employee Association
- b. **PUBLIC EMPLOYEE PERFORMANCE EVALUATION**
Pursuant to Government Code Section 54947
Title: General Manager

16. Adjournment

NOTICES


AVAILABILITY OF AGENDA MATERIALS - Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the Beaumont-Cherry Valley Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board of Directors are available for public inspection in the District's office, at 560 Magnolia Avenue, Beaumont, California ("District Office"). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available from the District Office at the same time as they are distributed to Board Members, except that if such writings are distributed one hour prior to, or during the meeting, they can be made available from the District Office in the Board Room of the District's Office. Materials may also be available on the District's website: www.bcvwd.org.

REVISIONS TO THE AGENDA - In accordance with §54954.2(a) of the Government Code (Brown Act), revisions to this Agenda may be made up to 72 hours before the Board Meeting, if necessary, after mailings are completed. Interested persons wishing to receive a copy of the set Agenda may pick one up at the District's Main Office, located at 560 Magnolia Avenue, Beaumont, California, up to 72 hours prior to the Board Meeting.

REQUIREMENTS RE: DISABLED ACCESS - In accordance with §54954.2(a), requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting, should be made to the District Office, at least 48 hours in advance of the meeting to ensure availability of the requested service or accommodation. The District Office may be contacted by telephone at (951) 845-9581, email at info@bcvwd.org or in writing at the Beaumont-Cherry Valley Water District, 560 Magnolia Avenue, Beaumont, California 92223.

CERTIFICATION OF POSTING

I certify that on or before Feb. 10, 2019, a copy of the foregoing notice was posted near the regular meeting place of the Board of Directors of Beaumont-Cherry Valley Water District and to its website at least 72 hours in advance of the meeting (Government Code §54954.2(a)).



Yolanda Rodriguez
Director of Finance and Administration



STAFF REPORT

TO: Board of Directors
FROM: Dan Jagers, General Manager
SUBJECT: 2018 Year-End Budget Adjustments

Staff Recommendation

Authorize the year-end budget adjustments to the 2018 Operating Budget.

Background

Under District policy, the General Manager may exercise discretion in the administration of the Budget to respond to changed circumstances, provided that any single modification in excess of \$50,000 shall require approval by the Board. Budget transfers of less than \$50,000 are documented and tracked in the District's computerized financial system.

Two accounts reflected in the Budget Variance Expense Report for 2018 are in excess of the adopted budget amounts by more than \$50,000 and thus require Board approval to make transfers from other accounts to make those accounts whole:

General Ledger Account	01-40-410-500501
General Ledger Account Description	State Project Water Purchases
Amount	\$1,028,665

General Ledger Account	01-40-410-501101
General Ledger Account Description	Electricity - Wells
Amount	\$141,929

District Staff has typically budgeted purchases for water supply needs based upon annual replenishment requirements and associated water rates from the San Gorgonio Pass Water Agency. For 2018, this was estimated to be 8,800 AF, which was submitted on the Supplemental Water Order Form to the SGPWA in September 2017.

When water is available in the State Water Project during hydrologically wet years (i.e. above 60% of Table A) the District needs to purchase all available supply in order to meet the average available supply of 60%, and add said supplies (above need) in storage for years where the State Water Project is below the average supply of 60%.

2018 was a dryer than average year, with a final allocation of 35%. However, the District was still able to procure 12,121 AF of imported water, thereby meeting the District's replenishment needs of 8,800 AF in the Beaumont Groundwater Basin. The District was also able to bank water quantities well beyond the targeted 1,000 AF for new growth drought-proofing activities.

Fiscal Impact

The adjustments are funded by the District's capital replacement reserve funds.

General Ledger
 Budget Variance Revenue
 User: wclayton
 Printed: 1/30/2019 9:07:01 AM
 Period 12 - 12
 Fiscal Year 2018

Beaumont-Cherry Valley Water District
 560 Magnolia Avenue
 Beaumont CA 92223
 (951) 845-9581
 www.bcvwd.org



Account Number	Description	Budget	Period Amt	End Bal	Variance	% Avail/ Uncollect
50	GENERAL					
01-50-510-419061	Miscellaneous Income	\$ 200.00	\$ 20,755.65	\$ 24,831.03	\$ (24,631.03)	-12315.52%
01-50-510-490001	Interest Income - Bonita Vista	\$ 1,995.00	\$ 369.56	\$ 2,407.29	\$ (412.29)	-20.67%
01-50-510-490011	Interest Income-Fairway Canyon	\$ 57,363.00	\$ -	\$ -	\$ 57,363.00	100.00%
01-50-510-490021	Interest Income - General	\$ 190,000.00	\$ 65,839.44	\$ 942,905.15	\$ (752,905.15)	-396.27%
	Misc Income	\$ 249,558.00	\$ 86,964.65	\$ 970,143.47	\$ (720,585.47)	-288.74%
01-50-510-481001	Fac Fees-Wells	\$ 956,333.00	\$ 168,432.00	\$ 986,972.80	\$ (30,639.80)	-3.20%
01-50-510-481006	Fac Fees-Water Rights (SWP)	\$ 605,118.00	\$ 106,575.00	\$ 657,171.82	\$ (52,053.82)	-8.60%
01-50-510-481012	Fac Fees-Water Treatment Plant	\$ 454,950.00	\$ 80,127.00	\$ 469,525.80	\$ (14,575.80)	-3.20%
01-50-510-481018	Fac Fees-Local Water Resources	\$ 239,577.00	\$ 42,195.00	\$ 260,186.39	\$ (20,609.39)	-8.60%
01-50-510-481024	Fac Fees-Recycld Wtr Facilities	\$ 692,551.00	\$ 137,396.00	\$ 786,872.50	\$ (94,321.50)	-13.62%
01-50-510-481030	Fac Fees-Transmission (16")	\$ 774,550.00	\$ 136,416.00	\$ 799,366.40	\$ (24,816.40)	-3.20%
01-50-510-481036	Fac Fees-Storage	\$ 991,899.00	\$ 174,696.00	\$ 1,023,678.40	\$ (31,779.40)	-3.20%
01-50-510-481042	Fac Fees-Booster	\$ 68,662.00	\$ 12,093.00	\$ 70,862.20	\$ (2,200.20)	-3.20%
01-50-510-481048	Fac Fees-Pressure Reducng Stns	\$ 35,072.00	\$ 6,177.00	\$ 36,195.80	\$ (1,123.80)	-3.20%
01-50-510-481054	Fac Fees-Misc Projects	\$ 30,626.00	\$ 5,394.00	\$ 31,607.60	\$ (981.60)	-3.21%
01-50-510-481060	Fac Fees-Financing Costs	\$ 150,662.00	\$ 26,999.75	\$ 157,662.55	\$ (7,000.55)	-4.65%
01-50-510-485001	Front Footage Fees	\$ 16,541.00	\$ -	\$ 47,709.00	\$ (31,168.00)	-188.43%
	Non-Operating Revenue	\$ 5,016,541.00	\$ 896,500.75	\$ 5,327,811.26	\$ (311,270.26)	-6.20%
01-50-510-410100	Sales	\$ 4,750,617.00	\$ 399,605.15	\$ 5,178,190.44	\$ (427,573.44)	-9.00%
01-50-510-410151	Agricultural Irrigation Sales	\$ 20,000.00	\$ -	\$ 22,734.09	\$ (2,734.09)	-13.67%
01-50-510-410171	Construction Sales	\$ 150,000.00	\$ 4,624.15	\$ 137,092.65	\$ 12,907.35	8.60%
01-50-510-413001	Backflow Admin Charges	\$ 41,501.00	\$ 5,025.57	\$ 44,721.81	\$ (3,220.81)	-7.76%
01-50-510-413011	Fixed Meter Charges	\$ 3,158,771.00	\$ 292,954.83	\$ 3,170,621.24	\$ (11,850.24)	-0.38%
01-50-510-413021	Meter Fees	\$ 619,974.00	\$ 25,102.00	\$ 768,945.00	\$ (148,971.00)	-24.03%
01-50-510-415001	SGPWA Importation Charges	\$ 2,160,000.00	\$ 183,719.40	\$ 2,405,257.56	\$ (245,257.56)	-11.35%
01-50-510-415011	SCE Power Charges	\$ 1,566,443.00	\$ 131,798.70	\$ 1,725,424.77	\$ (158,981.77)	-10.15%
01-50-510-417001	2nd Notice Penalties	\$ 93,072.00	\$ 8,950.00	\$ 93,770.00	\$ (698.00)	-0.75%
01-50-510-417011	3rd Notice Charges	\$ 32,000.00	\$ 3,560.00	\$ 35,640.00	\$ (3,640.00)	-11.38%
01-50-510-417021	Account Reinstatement Fees	\$ 35,490.00	\$ 4,750.00	\$ 50,500.00	\$ (15,010.00)	-42.29%
01-50-510-417031	Lien Processing Fees	\$ 5,000.00	\$ 600.00	\$ 5,200.00	\$ (200.00)	-4.00%
01-50-510-417041	Credit Check Processing Fees	\$ 12,000.00	\$ 1,015.00	\$ 11,230.00	\$ 770.00	6.42%
01-50-510-417051	Returned Check Fees	\$ 3,000.00	\$ 450.00	\$ 4,105.00	\$ (1,105.00)	-36.83%
01-50-510-417061	Custmr Damages/Upgrade Charges	\$ 18,819.00	\$ (1,036.34)	\$ 62,400.77	\$ (43,581.77)	-231.58%
01-50-510-417071	After Hours Call Out Charges	\$ 1,931.00	\$ 50.00	\$ 1,600.00	\$ 331.00	17.14%
01-50-510-417091	Credit Card Processing Fees	\$ 44,381.00	\$ 3,823.75	\$ 42,966.00	\$ 1,415.00	3.19%
01-50-510-419001	Insurance Rebate	\$ -	\$ -	\$ 50,072.57	\$ (50,072.57)	0.00%
01-50-510-419011	Development Income	\$ 100,626.00	\$ 105,965.51	\$ 210,687.46	\$ (110,061.46)	-109.38%
01-50-510-419021	Recharge Income	\$ 61,140.00	\$ -	\$ 30,570.00	\$ 30,570.00	50.00%
	Operating Revenue	\$ 12,874,765.00	\$ 1,170,957.72	\$ 14,051,729.36	\$ (1,176,964.36)	-9.14%
01-50-510-471001	Rent - 12303 Oak Glen	\$ 2,400.00	\$ 200.00	\$ 2,400.00	\$ -	0.00%
01-50-510-471011	Rent - 13695 Oak Glen	\$ 2,400.00	\$ 200.00	\$ 2,400.00	\$ -	0.00%
01-50-510-471021	Rent - 13697 Oak Glen	\$ 2,400.00	\$ 200.00	\$ 2,400.00	\$ -	0.00%
01-50-510-471031	Rent - 9781 Avenida Miravilla	\$ 2,400.00	\$ 200.00	\$ 2,400.00	\$ -	0.00%
01-50-510-471101	Util - 12303 Oak Glen	\$ 2,273.00	\$ 262.99	\$ 2,802.83	\$ (529.83)	-23.31%
01-50-510-471111	Util - 13695 Oak Glen	\$ 2,531.00	\$ 118.18	\$ 2,411.90	\$ 119.10	4.71%
01-50-510-471121	Util - 13697 Oak Glen	\$ 3,436.00	\$ 183.38	\$ 3,320.05	\$ 115.95	3.37%
01-50-510-471131	Util - 9781 Avenida Miravilla	\$ 2,737.00	\$ 113.00	\$ 2,799.19	\$ (62.19)	-2.27%
	Rent/Utilities	\$ 20,577.00	\$ 1,477.55	\$ 20,933.97	\$ (356.97)	-1.73%
Revenue Total		\$ 18,161,441.00	\$ 2,155,900.67	\$ 20,370,618.06	\$ (2,209,177.06)	-12.16%

General Ledger

Budget Variance Expense

User: wclayton
 Printed: 1/30/2019 9:07:34 AM
 Period 12 - 12
 Fiscal Year 2018

Beaumont-Cherry Valley Water District

560 Magnolia Avenue
 Beaumont CA 92223
 (951) 845-9581
 www.bcvwd.org



Account Number	Description	Budget	Period Amt	End Bal	Variance	Encumbered	% Avail/ Uncollect
10	BOARD OF DIRECTORS						
01-10-110-500101	Board of Directors Fees	\$ 36,000.00	\$ 5,000.00	\$ 31,200.00	\$ 4,800.00	\$ -	13.33%
01-10-110-500115	Social Security	\$ 2,235.00	\$ 310.00	\$ 1,934.40	\$ 300.60	\$ -	13.45%
01-10-110-500120	Medicare	\$ 525.00	\$ 72.50	\$ 452.40	\$ 72.60	\$ -	13.83%
01-10-110-500145	Workers' Compensation	\$ 520.00	\$ 26.05	\$ 224.23	\$ 295.77	\$ -	56.88%
01-10-110-500175	Seminar & Travel Expenses	\$ 10,000.00	\$ 1,033.91	\$ 1,033.91	\$ 8,966.09	\$ -	89.66%
	Board of Directors Personnel	\$ 49,280.00	\$ 6,442.46	\$ 34,844.94	\$ 14,435.06	\$ -	29.29%
01-10-110-550042	Supplies-Other	\$ 400.00	\$ -	\$ 1,349.80	\$ (949.80)	\$ -	-237.45%
	Board of Directors Materials & Supplies	\$ 400.00	\$ -	\$ 1,349.80	\$ (949.80)	\$ -	-237.45%
01-10-110-550012	Election Expenses	\$ 20,000.00	\$ 5.00	\$ 5.00	\$ 19,995.00	\$ -	99.98%
	Board of Directors Services	\$ 20,000.00	\$ 5.00	\$ 5.00	\$ 19,995.00	\$ -	99.98%
Expense Total	BOARD OF DIRECTORS	\$ 69,680.00	\$ 6,447.46	\$ 36,199.74	\$ 33,480.26	\$ -	48.05%
20	ENGINEERING						
01-20-210-500105	Labor	\$ 391,181.00	\$ 21,458.26	\$ 256,485.49	\$ 134,695.51	\$ -	34.43%
01-20-210-500115	Social Security	\$ 24,489.00	\$ 1,388.11	\$ 16,474.77	\$ 8,014.23	\$ -	32.73%
01-20-210-500120	Medicare	\$ 5,730.00	\$ 324.64	\$ 3,853.02	\$ 1,876.98	\$ -	32.76%
01-20-210-500125	Health Insurance	\$ 43,440.00	\$ 2,328.48	\$ 19,367.17	\$ 24,072.83	\$ -	55.42%
01-20-210-500140	Life Insurance	\$ 1,524.00	\$ 65.32	\$ 574.40	\$ 949.60	\$ -	62.31%
01-20-210-500143	EAP Program	\$ 38.00	\$ 4.70	\$ 32.90	\$ 5.10	\$ -	13.42%
01-20-210-500145	Workers' Compensation	\$ 5,842.00	\$ 141.53	\$ 2,350.60	\$ 3,491.40	\$ -	59.76%
01-20-210-500150	Unemployment Insurance	\$ 13,265.00	\$ -	\$ -	\$ 13,265.00	\$ -	100.00%
01-20-210-500155	Retirement/CalPERS	\$ 57,099.00	\$ 2,589.76	\$ 29,112.56	\$ 27,986.44	\$ -	49.01%
01-20-210-500165	Uniforms & Employee Benefits	\$ 50.00	\$ -	\$ -	\$ 50.00	\$ -	100.00%
01-20-210-500170	Education Expenses	\$ 4,000.00	\$ -	\$ -	\$ 4,000.00	\$ -	100.00%
01-20-210-500175	Seminar & Travel Expenses	\$ 1,000.00	\$ -	\$ 40.00	\$ 960.00	\$ -	96.00%
01-20-210-500180	Accrued Sick Leave Expenses	\$ 16,230.00	\$ 354.90	\$ 4,502.56	\$ 11,727.44	\$ -	72.26%
01-20-210-500185	Accrued Vacation Expenses	\$ 13,127.00	\$ 569.20	\$ 2,790.70	\$ 10,336.30	\$ -	78.74%
01-20-210-500187	Accrual Leave Payments	\$ 2,657.00	\$ -	\$ 1,616.40	\$ 1,040.60	\$ -	39.16%
01-20-210-500195	CIP Related Labor	\$ (169,314.00)	\$ (4,960.38)	\$ (124,935.02)	\$ (44,378.98)	\$ -	26.21%
	Engineering Personnel	\$ 410,358.00	\$ 24,264.52	\$ 212,265.55	\$ 198,092.45	\$ -	48.27%
01-20-210-540048	Permits, Fees & Licensing	\$ 2,000.00	\$ -	\$ 1,706.00	\$ 294.00	\$ -	14.70%
	Engineering Materials & Supplies	\$ 2,000.00	\$ -	\$ 1,706.00	\$ 294.00	\$ -	14.70%
01-20-210-550051	Advertising	\$ 3,000.00	\$ -	\$ 1,000.00	\$ 2,000.00	\$ -	66.67%
01-20-210-580031	Outside Engineering	\$ 57,000.00	\$ -	\$ -	\$ 57,000.00	\$ -	100.00%
01-20-210-580032	CIP Related Outside Engineering	\$ (40,000.00)	\$ -	\$ -	\$ (40,000.00)	\$ -	100.00%
	Engineering Services	\$ 20,000.00	\$ -	\$ 1,000.00	\$ 19,000.00	\$ -	95.00%
Expense Total	ENGINEERING	\$ 432,358.00	\$ 24,264.52	\$ 214,971.55	\$ 217,386.45	\$ -	50.28%
30	FINANCE & ADMIN SERVICES						
01-30-310-500105	Labor	\$ 963,090.00	\$ 63,064.56	\$ 839,208.00	\$ 123,882.00	\$ -	12.86%
01-30-310-500115	Social Security	\$ 62,324.00	\$ 3,233.00	\$ 50,901.90	\$ 11,422.10	\$ -	18.33%
01-30-310-500120	Medicare	\$ 14,583.00	\$ 1,142.37	\$ 13,526.75	\$ 1,056.25	\$ -	7.24%
01-30-310-500125	Health Insurance	\$ 246,160.00	\$ 15,950.62	\$ 180,075.22	\$ 66,084.78	\$ -	26.85%
01-30-310-500130	CalPERS Health Admin Costs	\$ 2,000.00	\$ 120.52	\$ 1,662.22	\$ 337.78	\$ -	16.89%
01-30-310-500140	Life Insurance	\$ 6,072.00	\$ 324.28	\$ 3,621.21	\$ 2,450.79	\$ -	40.36%
01-30-310-500143	EAP Program	\$ 207.00	\$ 25.85	\$ 178.60	\$ 28.40	\$ -	13.72%
01-30-310-500145	Workers' Compensation	\$ 14,012.00	\$ 388.27	\$ 7,270.42	\$ 6,741.58	\$ -	48.11%
01-30-310-500150	Unemployment Insurance	\$ 32,525.00	\$ -	\$ -	\$ 32,525.00	\$ -	100.00%
01-30-310-500155	Retirement/CalPERS	\$ 156,625.00	\$ 11,599.27	\$ 141,271.20	\$ 15,353.80	\$ -	9.80%
01-30-310-500161	Estim Current Yr OPEB Expenses	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	\$ -	100.00%
01-30-310-500165	Uniforms & Employee Benefits	\$ 750.00	\$ 61.26	\$ 161.99	\$ 588.01	\$ -	78.40%
01-30-310-500170	Education Expenses	\$ 2,000.00	\$ -	\$ 790.48	\$ 1,209.52	\$ -	60.48%
01-30-310-500175	Seminar & Travel Expenses	\$ 15,000.00	\$ 62.93	\$ 9,477.28	\$ 5,522.72	\$ -	36.82%
01-30-310-500180	Accrued Sick Leave Expenses	\$ 27,897.00	\$ 685.09	\$ 17,155.31	\$ 10,741.69	\$ -	38.50%
01-30-310-500185	Accrued Vacation Expenses	\$ 103,444.00	\$ 7,476.05	\$ 38,678.87	\$ 64,765.13	\$ -	62.61%

Account Number	Description	Budget	Period Amt	End Bal	Variance	Encumbered	% Avail/ Uncollect
01-30-310-500187	Accrual Leave Payments	\$ 40,781.00	\$ 7,291.29	\$ 36,287.74	\$ 4,493.26	\$ -	11.02%
01-30-310-50024	Employment Testing	\$ 200.00	\$ 94.00	\$ 214.00	\$ (14.00)	\$ -	-7.00%
01-30-315-500105	Labor	\$ 118,311.00	\$ 9,100.80	\$ 113,191.20	\$ 5,119.80	\$ -	4.33%
01-30-315-500115	Social Security	\$ 7,802.00	\$ 564.60	\$ 7,198.56	\$ 603.44	\$ -	7.73%
01-30-315-500120	Medicare	\$ 1,825.00	\$ 132.04	\$ 1,683.49	\$ 141.51	\$ -	7.75%
01-30-315-500125	Health Insurance	\$ 21,720.00	\$ 1,809.52	\$ 21,714.24	\$ 5.76	\$ -	0.03%
01-30-315-500140	Life Insurance	\$ 780.00	\$ 41.89	\$ 502.68	\$ 277.32	\$ -	35.55%
01-30-315-500143	EAP Program	\$ 19.00	\$ 2.35	\$ 16.45	\$ 2.55	\$ -	13.42%
01-30-315-500145	Workers' Compensation	\$ 1,709.00	\$ 47.32	\$ 870.09	\$ 838.91	\$ -	49.09%
01-30-315-500150	Unemployment Insurance	\$ 4,023.00	\$ -	\$ -	\$ 4,023.00	\$ -	100.00%
01-30-315-500155	Retirement/CalPERS	\$ 11,648.00	\$ 888.07	\$ 9,750.55	\$ 1,897.45	\$ -	16.29%
01-30-315-500175	Seminar & Travel Expenses	\$ 4,000.00	\$ -	\$ 1,623.10	\$ 2,376.90	\$ -	59.42%
01-30-315-500180	Accrued Sick Leave Expenses	\$ 6,883.00	\$ -	\$ -	\$ 6,883.00	\$ -	100.00%
01-30-315-500185	Accrued Vacation Expenses	\$ 14,648.00	\$ -	\$ 2,844.00	\$ 11,804.00	\$ -	80.58%
01-30-315-500187	Accrual Leave Payments	\$ 7,458.00	\$ -	\$ -	\$ 7,458.00	\$ -	100.00%
01-30-315-500195	CIP Related Labor	\$ (31,855.00)	\$ (2,095.72)	\$ (12,633.90)	\$ (19,221.10)	\$ -	60.34%
	Finance & Admin Services Personnel	\$ 1,956,641.00	\$ 122,010.23	\$ 1,487,241.65	\$ 469,399.35	\$ -	23.99%
01-30-310-550006	Cashiering Shortages/Overages	\$ 50.00	\$ (0.21)	\$ 39.67	\$ 10.33	\$ -	20.66%
01-30-310-550018	Employee Medical/First Aid	\$ 200.00	\$ -	\$ 54.34	\$ 145.66	\$ -	72.83%
01-30-310-550042	Office Supplies	\$ 10,500.00	\$ 1,337.21	\$ 11,474.01	\$ (974.01)	\$ -	-9.28%
01-30-310-550046	Office Equipment	\$ 40,000.00	\$ -	\$ 18,749.61	\$ 21,250.39	\$ -	53.13%
01-30-310-550048	Postage	\$ 50,000.00	\$ 57.35	\$ 47,433.74	\$ 2,566.26	\$ -	5.13%
01-30-310-550066	Subscriptions	\$ 3,000.00	\$ -	\$ -	\$ 3,000.00	\$ -	100.00%
01-30-310-550072	Misc Operating Expenses	\$ 1,000.00	\$ -	\$ 3,334.40	\$ (2,334.40)	\$ -	-233.44%
01-30-310-550078	Bad Debt Expenses	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	\$ -	100.00%
01-30-310-550084	Depreciation	\$ 2,554,781.00	\$ 215,562.97	\$ 2,538,917.48	\$ 15,863.52	\$ -	0.62%
01-30-315-501511	Phones - 560 Magnolia	\$ 25,200.00	\$ 1,578.11	\$ 19,168.75	\$ 6,031.25	\$ -	23.93%
01-30-315-501561	Phones - 815 E. 12th	\$ 2,800.00	\$ 314.90	\$ 3,796.90	\$ (996.90)	\$ -	-35.60%
01-30-315-550044	Printing/Toner & Maint	\$ 15,000.00	\$ 1,073.40	\$ 12,899.11	\$ 2,100.89	\$ -	14.01%
	Finance & Admin Services Materials & Supplies	\$ 2,707,531.00	\$ 219,923.73	\$ 2,655,868.01	\$ 51,662.99	\$ -	1.91%
01-30-310-550001	Bank/Financial Service Fees	\$ 42,000.00	\$ 1,222.05	\$ 15,003.85	\$ 26,996.15	\$ -	64.28%
01-30-310-550008	Transaction/Return Fees	\$ 3,000.00	\$ 124.58	\$ 1,206.34	\$ 1,793.66	\$ -	59.79%
01-30-310-550010	Transaction/Credit Card Fees	\$ 44,381.00	\$ 4,308.58	\$ 46,144.40	\$ (1,763.40)	\$ -	-3.97%
01-30-310-550014	Credit Check Fees	\$ 12,000.00	\$ 459.30	\$ 5,929.91	\$ 6,070.09	\$ -	50.58%
01-30-310-550030	Membership Dues	\$ 42,000.00	\$ 1,410.00	\$ 31,436.50	\$ 10,563.50	\$ -	25.15%
01-30-310-550036	Notary & Lien Fees	\$ 2,000.00	\$ 62.00	\$ 1,143.00	\$ 857.00	\$ -	42.85%
01-30-310-550051	Advertising	\$ 4,000.00	\$ -	\$ 5,729.00	\$ (1,729.00)	\$ -	-43.23%
01-30-310-550054	Property, Auto& Gen Liab Insur	\$ 80,000.00	\$ 6,466.97	\$ 73,530.15	\$ 6,469.85	\$ -	8.09%
01-30-310-580001	Accounting & Audit	\$ 35,000.00	\$ -	\$ 26,485.00	\$ 8,515.00	\$ -	24.33%
01-30-310-580011	General Legal	\$ 150,000.00	\$ 4,069.18	\$ 43,408.49	\$ 106,591.51	\$ -	71.06%
01-30-310-580036	Other Professional Services	\$ 5,000.00	\$ 19,000.00	\$ 30,928.42	\$ (25,928.42)	\$ 4,000.00	-598.57%
01-30-315-550030	Membership Dues	\$ 2,000.00	\$ -	\$ 397.00	\$ 1,603.00	\$ -	80.15%
01-30-315-580016	Computer Hardware	\$ 20,000.00	\$ 2,290.76	\$ 11,498.54	\$ 8,501.46	\$ (32.70)	42.67%
01-30-315-580021	IT/Software Support	\$ 5,000.00	\$ 105.94	\$ 2,401.99	\$ 2,598.01	\$ -	51.96%
01-30-315-580026	License/Maintenance/Support	\$ 90,000.00	\$ 3,720.97	\$ 69,916.08	\$ 20,083.92	\$ -	22.32%
	Finance & Admin Services	\$ 536,381.00	\$ 43,240.33	\$ 365,158.67	\$ 171,222.33	\$ 3,967.30	31.18%
Expense Total	FINANCE & ADMIN SERVICES	\$ 5,200,553.00	\$ 385,174.29	\$ 4,508,268.33	\$ 692,284.67	\$ 3,967.30	13.24%
40	OPERATIONS						
410	Source of Supply Personnel						
01-40-410-500105	Labor	\$ 324,448.00	\$ 15,948.14	\$ 199,746.24	\$ 124,701.76	\$ -	38.44%
01-40-410-500110	Overtime	\$ 18,393.00	\$ 60.02	\$ 4,245.52	\$ 14,147.48	\$ -	76.92%
01-40-410-500111	Double Time	\$ 930.00	\$ 74.34	\$ 632.82	\$ 297.18	\$ -	31.95%
01-40-410-500113	Standby/On-Call	\$ 9,050.00	\$ 700.00	\$ 8,700.00	\$ 350.00	\$ -	3.87%
01-40-410-500115	Social Security	\$ 21,988.00	\$ 1,265.30	\$ 14,692.06	\$ 7,295.94	\$ -	33.18%
01-40-410-500120	Medicare	\$ 5,148.00	\$ 296.38	\$ 3,455.89	\$ 1,692.11	\$ -	32.87%
01-40-410-500125	Health Insurance	\$ 108,600.00	\$ 5,555.08	\$ 64,517.76	\$ 44,082.24	\$ -	40.59%
01-40-410-500140	Life Insurance	\$ 2,160.00	\$ 82.72	\$ 987.86	\$ 1,172.14	\$ -	54.27%
01-40-410-500143	EAP Program	\$ 76.00	\$ 9.40	\$ 67.64	\$ 8.36	\$ -	11.00%
01-40-410-500145	Workers' Compensation	\$ 23,214.00	\$ 539.32	\$ 9,175.20	\$ 14,038.80	\$ -	60.48%
01-40-410-500150	Unemployment Insurance	\$ 28,734.00	\$ -	\$ 4,223.00	\$ 24,511.00	\$ -	85.30%
01-40-410-500155	Retirement/CalPERS	\$ 75,285.00	\$ 4,006.83	\$ 48,302.99	\$ 26,982.01	\$ -	35.84%
01-40-410-500165	Uniforms & Employee Benefits	\$ 2,200.00	\$ -	\$ 781.00	\$ 1,419.00	\$ -	64.50%
01-40-410-500170	Education Expenses	\$ 3,000.00	\$ -	\$ 2,320.00	\$ 680.00	\$ -	22.67%
01-40-410-500175	Seminar & Travel Expenses	\$ 3,000.00	\$ -	\$ 1,482.20	\$ 1,517.80	\$ -	50.59%
01-40-410-500180	Accrued Sick Leave Expenses	\$ 9,519.00	\$ 214.16	\$ 6,824.88	\$ 2,694.12	\$ -	28.30%
01-40-410-500185	Accrued Vacation Expenses	\$ 6,355.00	\$ 2,794.02	\$ 16,136.38	\$ (9,781.38)	\$ -	-153.92%
01-40-410-500187	Accrual Leave Payments	\$ 6,235.00	\$ 411.72	\$ 411.72	\$ 5,823.28	\$ -	93.40%
01-40-410-500195	CIP Related Labor	\$ (25,000.00)	\$ -	\$ (89.49)	\$ (24,910.51)	\$ -	99.64%
01-40-410-550024	Employment Testing	\$ 100.00	\$ -	\$ -	\$ 100.00	\$ -	100.00%

Account Number	Description	Budget	Period Amt	End Bal	Variance	Encumbered	% Avail/ Uncollect
440	Transmission & Distribution Personnel						
01-40-440-500105	Labor	\$ 849,664.00	\$ 43,470.52	\$ 574,902.38	\$ 274,761.62	\$ -	32.34%
01-40-440-500110	Overtime	\$ 36,825.00	\$ 3,512.21	\$ 34,127.31	\$ 2,697.69	\$ -	7.33%
01-40-440-500111	Double Time	\$ 5,000.00	\$ 321.40	\$ 6,688.58	\$ (1,688.58)	\$ -	-33.77%
01-40-440-500113	Standby/On-Call	\$ 13,200.00	\$ 950.00	\$ 12,850.00	\$ 350.00	\$ -	2.65%
01-40-440-500115	Social Security	\$ 57,433.00	\$ 4,584.28	\$ 46,111.67	\$ 11,321.33	\$ -	19.71%
01-40-440-500120	Medicare	\$ 13,439.00	\$ 1,072.10	\$ 10,554.18	\$ 2,884.82	\$ -	21.47%
01-40-440-500125	Health Insurance	\$ 278,448.00	\$ 14,583.24	\$ 179,195.90	\$ 99,252.10	\$ -	35.64%
01-40-440-500140	Life Insurance	\$ 5,604.00	\$ 208.89	\$ 2,717.61	\$ 2,886.39	\$ -	51.51%
01-40-440-500143	EAP Program	\$ 188.00	\$ 23.87	\$ 175.42	\$ 12.58	\$ -	6.69%
01-40-440-500145	Workers' Compensation	\$ 46,720.00	\$ 1,094.60	\$ 19,407.30	\$ 27,312.70	\$ -	58.46%
01-40-440-500155	Retirement/CalPERS	\$ 158,746.00	\$ 10,492.60	\$ 125,974.93	\$ 32,771.07	\$ -	20.64%
01-40-440-500165	Uniforms & Employee Benefits	\$ 4,500.00	\$ -	\$ 4,916.08	\$ (416.08)	\$ -	-9.25%
01-40-440-500170	Education Expenses	\$ 500.00	\$ 80.00	\$ 80.00	\$ 420.00	\$ -	84.00%
01-40-440-500175	Seminar & Travel Expenses	\$ 1,000.00	\$ 60.00	\$ 989.45	\$ 10.55	\$ -	1.06%
01-40-440-500180	Accrued Sick Leave Expenses	\$ 9,260.00	\$ 2,641.64	\$ 22,165.95	\$ (12,905.95)	\$ -	-139.37%
01-40-440-500185	Accrued Vacation Expenses	\$ 20,816.00	\$ 1,754.60	\$ 31,741.16	\$ (10,925.16)	\$ -	-52.48%
01-40-440-500187	Accrual Leave Payments	\$ 28,454.00	\$ 21,283.73	\$ 44,107.83	\$ (15,653.83)	\$ -	-55.01%
01-40-440-500195	CIP Related Labor	\$ (57,300.00)	\$ (10,527.26)	\$ (50,106.30)	\$ (7,193.70)	\$ -	12.55%
01-40-440-550024	Employment Testing	\$ 300.00	\$ -	\$ 463.55	\$ (163.55)	\$ -	-54.52%
450	Inspections Personnel						
01-40-450-500105	Labor	\$ 33,648.00	\$ -	\$ 29,933.66	\$ 3,714.34	\$ -	11.04%
01-40-450-500110	Overtime	\$ 18,968.00	\$ -	\$ 13,852.56	\$ 5,115.44	\$ -	26.97%
01-40-450-500115	Social Security	\$ 2,087.00	\$ -	\$ 2,724.15	\$ (637.15)	\$ -	-30.53%
01-40-450-500120	Medicare	\$ 489.00	\$ -	\$ 637.03	\$ (148.03)	\$ -	-30.27%
01-40-450-500125	Health Insurance	\$ 12,588.00	\$ -	\$ 12,517.37	\$ 70.63	\$ -	0.56%
01-40-450-500140	Life Insurance	\$ 240.00	\$ -	\$ 154.97	\$ 85.03	\$ -	35.43%
01-40-450-500143	EAP Program	\$ 10.00	\$ -	\$ 3.97	\$ 6.03	\$ -	60.30%
01-40-450-500145	Workers' Compensation	\$ 2,376.00	\$ -	\$ 1,619.55	\$ 756.45	\$ -	31.84%
01-40-450-500155	Retirement/CalPERS	\$ 4,976.00	\$ 211.70	\$ 6,875.23	\$ (1,899.23)	\$ -	-38.17%
460	Customer Svc & Meter Reading Personnel						
01-40-460-500105	Labor	\$ 146,730.00	\$ 15,454.03	\$ 157,596.71	\$ (10,866.71)	\$ -	-7.41%
01-40-460-500110	Overtime	\$ 14,102.00	\$ 495.75	\$ 3,431.37	\$ 10,670.63	\$ -	75.67%
01-40-460-500111	Double Time	\$ 1,579.00	\$ 81.96	\$ 725.08	\$ 853.92	\$ -	54.08%
01-40-460-500113	Standby/On-Call	\$ 3,900.00	\$ 250.00	\$ 2,000.00	\$ 1,900.00	\$ -	48.72%
01-40-460-500115	Social Security	\$ 11,267.00	\$ 1,086.85	\$ 11,003.79	\$ 263.21	\$ -	2.34%
01-40-460-500120	Medicare	\$ 2,639.00	\$ 254.61	\$ 2,579.91	\$ 59.09	\$ -	2.24%
01-40-460-500125	Health Insurance	\$ 65,160.00	\$ 7,222.05	\$ 62,925.94	\$ 2,234.06	\$ -	3.43%
01-40-460-500140	Life Insurance	\$ 1,068.00	\$ 80.50	\$ 732.08	\$ 335.92	\$ -	31.45%
01-40-460-500143	EAP Program	\$ 66.00	\$ 12.58	\$ 60.57	\$ 5.43	\$ -	8.23%
01-40-460-500145	Workers' Compensation	\$ 11,484.00	\$ 455.50	\$ 6,860.04	\$ 4,623.96	\$ -	40.26%
01-40-460-500155	Retirement/CalPERS	\$ 39,275.00	\$ 3,251.43	\$ 34,858.53	\$ 4,416.47	\$ -	11.24%
01-40-460-500165	Uniforms & Employee Benefits	\$ 200.00	\$ 113.13	\$ 284.06	\$ (84.06)	\$ -	-42.03%
01-40-460-500170	Education Expenses	\$ 200.00	\$ -	\$ -	\$ 200.00	\$ -	100.00%
01-40-460-500175	Seminar & Travel Expenses	\$ 200.00	\$ -	\$ -	\$ 200.00	\$ -	100.00%
01-40-460-500180	Accrued Sick Leave Expenses	\$ 2,997.00	\$ 412.98	\$ 5,408.02	\$ (2,411.02)	\$ -	-80.45%
01-40-460-500185	Accrued Vacation Expenses	\$ 13,150.00	\$ 518.40	\$ 9,002.00	\$ 4,148.00	\$ -	31.54%
01-40-460-500187	Accrual Leave Payments	\$ 3,221.00	\$ 490.40	\$ 490.40	\$ 2,730.60	\$ -	84.77%
01-40-460-500195	CIP Related Labor	\$ -	\$ (1,895.24)	\$ (14,004.17)	\$ 14,004.17	\$ -	0.00%
01-40-460-550024	Employment Testing	\$ 200.00	\$ -	\$ -	\$ 200.00	\$ -	100.00%
470	Maintenance & General Plant Personnel						
01-40-470-500105	Labor	\$ 31,360.00	\$ 805.58	\$ 27,106.24	\$ 4,253.76	\$ -	13.56%
01-40-470-500115	Social Security	\$ 1,947.00	\$ 49.95	\$ 1,682.60	\$ 264.40	\$ -	13.58%
01-40-470-500120	Medicare	\$ 458.00	\$ 11.68	\$ 393.44	\$ 64.56	\$ -	14.10%
01-40-470-500125	Health Insurance	\$ 13,044.00	\$ 324.77	\$ 8,815.14	\$ 4,228.86	\$ -	32.42%
01-40-470-500140	Life Insurance	\$ 216.00	\$ 6.26	\$ 121.32	\$ 94.68	\$ -	43.83%
01-40-470-500143	EAP Program	\$ 38.00	\$ 1.15	\$ 12.00	\$ 26.00	\$ -	68.42%
01-40-470-500145	Workers' Compensation	\$ 2,214.00	\$ 21.91	\$ 1,119.99	\$ 1,094.01	\$ -	49.41%
01-40-470-500155	Retirement/CalPERS	\$ 6,962.00	\$ 206.33	\$ 5,117.11	\$ 1,844.89	\$ -	26.50%
	Operations Personnel	\$ 2,545,291.00	\$ 157,488.11	\$ 1,850,317.33	\$ 694,973.67	\$ -	27.30%
410	Source of Supply Materials & Supplies						
01-40-410-501101	Electricity - Wells	\$ 1,566,443.00	\$ 101,084.96	\$ 1,708,371.61	\$ (141,928.61)	\$ -	-9.06%
01-40-410-501201	Gas - Wells	\$ 225.00	\$ 14.79	\$ 180.47	\$ 44.53	\$ -	19.79%
01-40-410-510011	Treatment & Chemicals	\$ 80,000.00	\$ 1,147.00	\$ 79,538.84	\$ 461.16	\$ -	0.58%
01-40-410-510021	Lab Testing	\$ 90,000.00	\$ 22,829.00	\$ 58,121.00	\$ 31,879.00	\$ -	35.42%
01-40-410-510031	Small Tools, Parts & Maint	\$ 3,200.00	\$ -	\$ 1,476.70	\$ 1,723.30	\$ -	53.85%
01-40-410-520021	Maint & Rpr-Telemetry Equip	\$ 5,000.00	\$ 831.24	\$ 831.24	\$ 4,168.76	\$ -	83.38%
01-40-410-520031	Maint & Rpr-General Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%
01-40-410-520061	Maint & Rpr-Pumping Equipment	\$ 125,000.00	\$ 3,817.30	\$ 55,898.69	\$ 69,101.31	\$ -	55.28%
01-40-410-550066	Subscriptions	\$ 400.00	\$ -	\$ -	\$ 400.00	\$ -	100.00%
440	Trans & Distribution Materials & Supplies						


Account Number	Description	Budget	Period Amt	End Bal	Variance	Encumbered	% Avail/ Uncollect
01-40-440-510031	Small Tools, Parts & Maint	\$ 6,500.00	\$ 89.89	\$ 5,974.60	\$ 525.40	\$ -	8.08%
01-40-440-520071	Maint & Rpr-Pipelines&Hydrants	\$ 60,000.00	\$ 3,020.69	\$ 77,357.54	\$ (17,357.54)	\$ (99.38)	-28.76%
01-40-440-520081	Maint & Rpr-Pressure Regulatrs	\$ 7,500.00	\$ -	\$ 12,252.32	\$ (4,752.32)	\$ -	-63.36%
01-40-440-540001	Backflow Devices	\$ 2,500.00	\$ -	\$ 2,576.65	\$ (76.65)	\$ -	-3.07%
01-40-440-540024	Inventory Adjustments	\$ 3,000.00	\$ -	\$ (161.29)	\$ 3,161.29	\$ -	105.38%
01-40-440-540036	Line Locates	\$ 3,500.00	\$ 181.88	\$ 4,914.91	\$ (1,414.91)	\$ -	-40.43%
01-40-440-540042	Meters Maintenance & Services	\$ 150,000.00	\$ 5,297.87	\$ 149,149.50	\$ 850.50	\$ 1,230.49	-0.25%
01-40-440-540078	Reservoirs Maintenance	\$ 30,000.00	\$ 1.93	\$ 7,510.05	\$ 22,489.95	\$ -	74.97%
470	Maint & General Plant Materials & Supplies						
01-40-470-501111	Electricity - 560 Magnolia	\$ 20,400.00	\$ 1,363.78	\$ 20,920.23	\$ (520.23)	\$ -	-2.55%
01-40-470-501121	Electricity - 12303 Oak Glen	\$ 2,159.00	\$ 262.99	\$ 2,802.83	\$ (643.83)	\$ -	-29.82%
01-40-470-501131	Electricity - 13695 Oak Glen	\$ 1,848.00	\$ 118.18	\$ 1,445.77	\$ 402.23	\$ -	21.77%
01-40-470-501141	Electricity - 13697 Oak Glen	\$ 2,818.00	\$ 183.38	\$ 2,320.79	\$ 497.21	\$ -	-17.64%
01-40-470-501151	Elec - 9781 Avenida Miravilla	\$ 1,834.00	\$ 113.00	\$ 1,701.41	\$ 132.59	\$ -	7.23%
01-40-470-501161	Electricity - 815 E. 12th	\$ 3,000.00	\$ 372.91	\$ 4,772.67	\$ (1,772.67)	\$ -	-59.09%
01-40-470-501321	Propane - 12303 Oak Glen	\$ 114.00	\$ -	\$ -	\$ 114.00	\$ -	100.00%
01-40-470-501331	Propane - 13695 Oak Glen	\$ 683.00	\$ -	\$ 966.13	\$ (283.13)	\$ -	-41.45%
01-40-470-501341	Propane - 13697 Oak Glen	\$ 618.00	\$ -	\$ 999.26	\$ (381.26)	\$ -	-61.69%
01-40-470-501351	Propane-9781 Avenida Miravilla	\$ 903.00	\$ -	\$ 1,097.78	\$ (194.78)	\$ -	-21.57%
01-40-470-501411	Sanitation - 560 Magnolia	\$ 2,400.00	\$ 228.03	\$ 2,720.78	\$ (320.78)	\$ -	-13.37%
01-40-470-501461	Sanitation - 815 E. 12th	\$ 4,050.00	\$ 1,109.03	\$ 4,955.66	\$ (905.66)	\$ -	-22.36%
01-40-470-501471	Sanitation - 11083 Cherry Ave	\$ 3,200.00	\$ 263.54	\$ 3,107.52	\$ 92.48	\$ -	2.89%
01-40-470-501511	Phones - 560 Magnolia	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%
01-40-470-501611	Maint & Repair- 560 Magnolia	\$ 18,600.00	\$ 3,299.16	\$ 25,869.30	\$ (7,269.30)	\$ -	-39.08%
01-40-470-501621	Maint & Repair- 12303 Oak Glen	\$ 1,200.00	\$ -	\$ 239.40	\$ 960.60	\$ -	80.05%
01-40-470-501631	Maint & Repair- 13695 Oak Glen	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	\$ -	100.00%
01-40-470-501641	Maint & Repair- 13697 Oak Glen	\$ 500.00	\$ -	\$ 766.65	\$ (266.65)	\$ -	-53.33%
01-40-470-501651	Maint & Rpr-9781 Ave Miravilla	\$ 1,500.00	\$ -	\$ 413.80	\$ 1,086.20	\$ -	72.41%
01-40-470-501661	Maint & Repair- 815 E. 12th	\$ 8,000.00	\$ 220.20	\$ 8,258.32	\$ (258.32)	\$ -	-3.23%
01-40-470-501691	Maint & Rpr- Buidlgs (General)	\$ 8,500.00	\$ 230.50	\$ 6,710.55	\$ 1,789.45	\$ -	21.05%
01-40-470-510001	Auto/Fuel	\$ 75,000.00	\$ 5,302.54	\$ 79,518.99	\$ (4,518.99)	\$ -	-6.03%
01-40-470-520011	Maint & Rpr-Safety Equipment	\$ 3,000.00	\$ 36.62	\$ 6,173.82	\$ (3,173.82)	\$ -	-105.79%
01-40-470-520031	Maint & Rpr-General Equipment	\$ 42,500.00	\$ 1,987.12	\$ 38,166.55	\$ 4,333.45	\$ 200.61	9.72%
01-40-470-520041	Maint & Rpr-Fleet	\$ 43,000.00	\$ 4,284.22	\$ 45,908.16	\$ (2,908.16)	\$ -	-6.76%
01-40-470-520091	Maint & Rpr-Communicatn Equip	\$ 5,500.00	\$ -	\$ -	\$ 5,500.00	\$ -	100.00%
510	General Materials & Supplies						
01-40-510-510031	Small Tools, Parts & Maint	\$ 500.00	\$ -	\$ -	\$ 500.00	\$ -	100.00%
	Operations Materials & Supplies	\$ 2,386,095.00	\$ 157,691.75	\$ 2,423,829.20	\$ (37,734.20)	\$ 1,331.72	-1.64%
410	Source of Supply Services						
01-40-410-500501	State Project Water Purchases	\$ 2,813,692.00	\$ 364,233.00	\$ 3,842,357.00	\$ (1,028,665.00)	\$ -	-36.56%
01-40-410-540084	State Mandates & Tariffs	\$ 70,000.00	\$ 22,782.07	\$ 104,295.42	\$ (34,295.42)	\$ -	-48.99%
470	Maintenance & General Plant Services						
01-40-470-540030	Landscape Maintenance	\$ 45,000.00	\$ 39.94	\$ 5,664.06	\$ 39,335.94	\$ -	87.41%
01-40-470-540072	Rechrg Facs, Cnyns&Ponds Maint	\$ 75,000.00	\$ 8,203.94	\$ 46,225.70	\$ 28,774.30	\$ -	38.37%
	Operations Services	\$ 3,003,692.00	\$ 395,258.95	\$ 3,998,542.18	\$ (994,850.18)	\$ -	-33.12%
Expense Total	OPERATIONS	\$ 7,935,078.00	\$ 710,438.81	\$ 8,272,688.71	\$ (337,610.71)	\$ 1,331.72	-4.27%
50	GENERAL						
01-50-510-540066	Property Damages & Theft	\$ 22,000.00	\$ 46.66	\$ 43,387.07	\$ (21,387.07)	\$ -	-97.21%
01-50-510-550040	General Supplies	\$ 12,000.00	\$ 614.61	\$ 15,278.65	\$ (3,278.65)	\$ 181.02	-28.83%
01-50-510-550060	Public Education	\$ 5,000.00	\$ 1,210.00	\$ 2,050.00	\$ 2,950.00	\$ -	59.00%
	General Materials & Supplies	\$ 39,000.00	\$ 1,871.27	\$ 60,715.72	\$ (21,715.72)	\$ 181.02	-56.15%
01-50-510-550096	Beaumont Basin Watermaster	\$ 42,000.00	\$ -	\$ 37,873.66	\$ 4,126.34	\$ -	9.82%
	General Services	\$ 42,000.00	\$ -	\$ 37,873.66	\$ 4,126.34	\$ -	9.82%
Expense Total	GENERAL	\$ 81,000.00	\$ 1,871.27	\$ 98,589.38	\$ (17,589.38)	\$ 181.02	-21.94%
Expense Total	ALL EXPENSES	\$ 13,718,669.00	\$ 1,128,196.35	\$ 13,130,717.71	\$ 587,951.29	\$ 5,480.04	4.25%

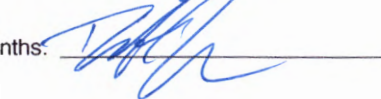


**Beaumont-Cherry Valley Water District
Cash Balance & Investment Report
As of December 31, 2018**

Account Name	Account Ending #	Cash Balance Per Account	
		Balance	Prior Month Balance
Wells Fargo	General 4152	\$854,800.13	\$871,179.26
Total Cash		\$ 854,800.13	\$ 871,179.26

Account Name	Market Value	Prior Month Balance	Investment Summary				Rate	2018 Interest to Date
			Actual % of Total	Policy % Limit	Maturity	Par Amount		
Ca. State Treasurer's Office: Local Agency Investment Fund	\$24,545,554.22	\$24,545,554.22	42%	No Limit	Liquid	N/A	2.32	\$411,275.53
CalTRUST Short Term Fund	\$33,335,400.48	\$32,351,761.04	58%	No Limit	Liquid	N/A	2.38	\$553,114.82
Total Investments	\$57,880,954.70	\$56,897,315.26						\$964,390.35
Total Cash & Investments	\$ 58,735,754.83	\$ 57,768,494.52						

The investments above are in accordance with the District's investment policy:  1/29/2019

BCVWD will be able to meet its cash flow obligations for the next 6 months:  1/29/2019

Accounts Payable

Checks by Date - Detail by Check Date

User: wclayton
 Printed: 1/30/2019 9:04 AM

Beaumont-Cherry Valley Water District

560 Magnolia Avenue
 Beaumont CA 92223
 (951) 845-9581
 www.bcvwd.org



Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
ACH	10085 1230351	CalPERS Retirement System PR Batch 00003.12.2018 CalPERS 8% ER Paid	12/27/2018		1,069.22
	1230351	PR Batch 00003.12.2018 CalPERS 8% EE Paid			2,131.45
	1230351	PR Batch 00003.12.2018 CalPERS ER Paid Classic			8,124.57
	1230351	PR Batch 00003.12.2018 CalPERS ER PEPRA			2,809.82
	1230351	PR Batch 00003.12.2018 CalPERS 7% EE Deduction			3,758.46
	1230351	PR Batch 00003.12.2018 CalPERS 1% ER Paid			165.13
Total for this ACH Check for Vendor 10085:				0.00	18,058.65
ACH	10087 1-228-270-400	EDD PR Batch 00003.12.2018 CA SDI	12/27/2018		811.40
	1-228-270-400	PR Batch 00003.12.2018 State Income Tax			3,671.59
Total for this ACH Check for Vendor 10087:				0.00	4,482.99
ACH	10094 181181648	U.S. Treasury PR Batch 00003.12.2018 FICA Employee Portion	12/27/2018		5,409.50
	181181648	PR Batch 00003.12.2018 Medicare Employer Portion			1,457.76
	181181648	PR Batch 00003.12.2018 FICA Employer Portion			5,409.50
	181181648	PR Batch 00003.12.2018 Medicare Employee Portion			1,527.16
	181181648	PR Batch 00003.12.2018 Federal Income Tax			9,681.83
Total for this ACH Check for Vendor 10094:				0.00	23,485.75
ACH	10141 IENLKOD6657	Ca State Disbursement Unit PR Batch 00003.12.2018 Garnishment	12/27/2018		288.46
	IENLKOD6657	PR Batch 00003.12.2018 Garnishment			266.30
Total for this ACH Check for Vendor 10141:				0.00	554.76
ACH	10203 VB1450-PP26	Voya Financial PR Batch 00003.12.2018 Deferred Comp	12/27/2018		475.00
Total for this ACH Check for Vendor 10203:				0.00	475.00
ACH	10264 1230354	CalPERS Supplemental Income Plans PR Batch 00003.12.2018 CalPERS 457	12/27/2018		1,304.00
	1230354	PR Batch 00003.12.2018 CalPERS 457 %			44.27
Total for this ACH Check for Vendor 10264:				0.00	1,348.27
8491	10475 122718	James Bean Overstated Fed Taxes Qtr 4 - J Bean	12/27/2018		187.48
	122718	Overstated State Taxes Qtr 4 - J Bean			128.51
Total for Check Number 8491:				0.00	315.99
Total for 12/27/2018:				0.00	48,721.41

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
ACH	10288	CalPERS Health Fiscal Services Division	01/09/2019		
	12142018	Active Employees Health Insurance Jan 2019			48,164.90
	12142018	Admin Fee for Active Health Insurance Jan 2019			110.78
	12142018	Retired Employees Health Insurance Jan 2019			2,370.00
	12142018	Admin Fee for Retired Health Insurance Jan 2019			11.27
Total for this ACH Check for Vendor 10288:				0.00	50,656.95
Total for 1/9/2019:				0.00	50,656.95
ACH	10085	CalPERS Retirement System	01/10/2019		
	15515463	PR Batch 00001.01.2019 CalPERS 8% EE Paid			1,331.64
	15515463	PR Batch 00001.01.2019 CalPERS ER Paid Classic			5,164.87
	15515463	PR Batch 00001.01.2019 CalPERS 7% EE Deduction			2,319.76
	15515463	PR Batch 00001.01.2019 CalPERS ER Paid Classic			3,363.04
	15515463	PR Batch 00001.01.2019 CalPERS 1% ER Paid			105.38
	15515463	PR Batch 00001.01.2019 CalPERS ER PEPRA			1,708.01
	15515463	PR Batch 00001.01.2019 CalPERS 7% EE Deduction			1,444.06
	15515463	PR Batch 00001.01.2019 CalPERS 8% EE Paid			914.71
	15515463	PR Batch 00001.01.2019 CalPERS 1% ER Paid			64.84
	15515463	PR Batch 00001.01.2019 CalPERS 8% ER Paid			699.68
	15515463	PR Batch 00001.01.2019 CalPERS ER PEPRA			1,068.86
	15515463	PR Batch 00001.01.2019 CalPERS 8% ER Paid			438.05
Total for this ACH Check for Vendor 10085:				0.00	18,622.90
ACH	10087	EDD	01/10/2019		
	0-791-837-504	PR Batch 00001.01.2019 CA SDI			380.96
	0-791-837-504	PR Batch 00001.01.2019 State Income Tax			2,309.18
	0-791-837-504	PR Batch 00001.01.2019 State Income Tax			1,496.65
	0-791-837-504	PR Batch 00001.01.2019 CA SDI			601.39
Total for this ACH Check for Vendor 10087:				0.00	4,788.18
ACH	10094	U.S. Treasury	01/10/2019		
	94199013	PR Batch 00001.01.2019 Federal Income Tax			3,609.51
	94199013	PR Batch 00001.01.2019 Medicare Employee Portion			561.55
	94199013	PR Batch 00001.01.2019 Medicare Employee Portion			872.65
	94199013	PR Batch 00001.01.2019 FICA Employer Portion			2,401.07
	94199013	PR Batch 00001.01.2019 FICA Employee Portion			3,731.25
	94199013	PR Batch 00001.01.2019 Federal Income Tax			5,679.36
	94199013	PR Batch 00001.01.2019 Medicare Employer Portion			872.65
	94199013	PR Batch 00001.01.2019 FICA Employer Portion			3,731.25
	94199013	PR Batch 00001.01.2019 FICA Employee Portion			2,401.07
	94199013	PR Batch 00001.01.2019 Medicare Employer Portion			561.55
Total for this ACH Check for Vendor 10094:				0.00	24,421.91
ACH	10141	Ca State Disbursement Unit	01/10/2019		
	BJPCGA16657	PR Batch 00001.01.2019 Garnishment			176.99
	BJPCGA16657	PR Batch 00001.01.2019 Garnishment			111.47
	BJPCGA16657	PR Batch 00001.01.2019 Garnishment			102.91
	BJPCGA16657	PR Batch 00001.01.2019 Garnishment			163.39
Total for this ACH Check for Vendor 10141:				0.00	554.76
ACH	10203	Voya Financial	01/10/2019		
	VB1450-PP01	PR Batch 00001.01.2019 Deferred Comp			177.20
	VB1450-PP01	PR Batch 00001.01.2019 Deferred Comp			297.80
Total for this ACH Check for Vendor 10203:				0.00	475.00

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
ACH	10264 15540899 15540899 15540899 15540899	CalPERs Supplemental Income Plans PR Batch 00001.01.2019 CalPERS 457 PR Batch 00001.01.2019 CalPERS 457 PR Batch 00001.01.2019 CalPERS 457 % PR Batch 00001.01.2019 CalPERS 457 %	01/10/2019		813.69 507.06 27.67 17.60
Total for this ACH Check for Vendor 10264:				0.00	1,366.02
Total for 1/10/2019:				0.00	50,228.77
ACH	10030 12262018 12262018 12262018 12262018 12262018 12262018 12262018 12262018	Southern California Edison Electricity 11/20-12/21/18 - 12303 Oak Glen Rd Electricity 11/20-12/21/18 Wells Electricity 11/21-12/21/18 - 13697 Oak Glen Rd Electricity 11/20-12/21/18 - 560 Magnolia Ave Electricity 11/20-12/21/18 - 815 E 12th Ave Electricity 11/20-12/21/19 - 9781 Avenida Miravilla Electricity 11/21-12/21/18 - 13695 Oak Glen Rd Electricity 10/22-11/20/18 - Wells	01/11/2019		262.99 97,909.79 183.38 1,363.78 372.91 113.00 118.18 3,175.17
Total for this ACH Check for Vendor 10030:				0.00	103,499.20
ACH	10086 316715	American Family Life Assurance Company of Columbus AFLAC Employee Insurance Dec 2018	01/11/2019		773.28
Total for this ACH Check for Vendor 10086:				0.00	773.28
Total for 1/11/2019:				0.00	104,272.48
ACH	10287 10025 10034 10037 10147 10233 10249 10420 10424 10443 10455 10526 10546	Bank of the West Lee's Auto Body Rear View Mirror - Unit 37 Labor - Replace Rear View Mirror - Unit 37 US Postal Service Returned JPIA Videos Waste Management Of Inland Empire Recycling Dumpster Charges- 560 Magnolia Dec 2018 Monthly Sanitation 560 Magnolia Dec 2018 Yard Dumpsters 815 E 12th Dec 2018 Recycling Dumpster Charges - 815 E 12th Dec 2018 Online Information Services, Inc 158 Credit Reports for Nov 2018 Pro-Pipe & Supply Nipples/Tee/Coupling/Hex Bush - Unit 8 CDW Government LLC Renewal - Shorecare Phone Support - Nov 2018/Nov 2019 Amazon.com 2019 Planner - Y Rodriguez California Use Sale Tax - 2019 Planner - Y Rodriguez Water Inlet Valve for Refrigerator - 560 Magnolia Ave Prepaid - 2019 Weekly/Monthly Planner - Y Rodriguez Top-Line Industrial Supply, LLC Hex Driver - Unit 17 Swivel/Adapter/Hose -Replacement Unit 8 Couplings - Repair Compressor Hose Superior Gate Services Service Call - Repair Gate 13695 Oak Glen/Middle Canyon Advance Refrigeration & Ice Systems, Inc Labor - Changed/Flushed/Sanitizer - Ice Maker - 12th/Palm Filter/Cleaner/Sanitizer - Ice Maker - 12th/Palm Verizon Monthly Phone Service 12/1-31/2018 Dec Frontier Communications 12/10/18-01/09/19 Dec FIOS/FAX 12	01/14/2019		217.33 84.50 8.75 79.93 97.06 263.91 79.93 459.30 139.28 1,512.00 24.75 -1.78 43.64 14.85 15.11 99.48 54.31 190.65 481.00 284.19 968.51 314.90

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
		11/25-12/24/18 Dec FIOS/FAX 56			284.23
	10623	WP Engine			
		Web Host for BCVWD Website Dec 2018			35.00
	10692	MMSoft Design			
		Network Monitoring Software Dec 2018			105.94
	10745	Hyatt Hotels			
		AWCA Conf/Workshop 11/27-29/2018 - L Williams			741.09
	10755	Mike's Carburetor Parts			
		California Use Sale Tax - Carburetor Kit - Well 6 Gas Motor			-1.70
		Carburetor Kit - Well 6 Gas Motor			30.15
	10757	Postal Perfect			
		Live Scan For Custodian of Records Requirement - Y Rodriguez			94.00
Total for this ACH Check for Vendor 10287:				0.00	6,720.31
8492	UB*03237	Beaumont Highland Springs LLC	01/14/2019		
		Refund Check			107.46
		Refund Check			149.43
Total for Check Number 8492:				0.00	256.89
8493	UB*03238	Kevin E Binkley	01/14/2019		
		Refund Check			83.23
Total for Check Number 8493:				0.00	83.23
8494	UB*03234	Melissa Boyd	01/14/2019		
		Refund Check			205.59
Total for Check Number 8494:				0.00	205.59
8495	UB*03239	Maria Chavez	01/14/2019		
		Refund Check			205.12
		Refund Check			70.51
		Refund Check			98.28
		Refund Check			96.21
Total for Check Number 8495:				0.00	470.12
8496	UB*03230	June Jeffrey Halliwill	01/14/2019		
		Refund Check			54.76
Total for Check Number 8496:				0.00	54.76
8497	UB*03236	Decao Mao	01/14/2019		
		Refund Check			88.71
Total for Check Number 8497:				0.00	88.71
8498	UB*03232	Dickie Miller	01/14/2019		
		Refund Check			10.65
		Refund Check			14.84
		Refund Check			30.98
		Refund Check			22.79
Total for Check Number 8498:				0.00	79.26
8499	UB*03229	Heather Mlodzinski	01/14/2019		
		Refund Check			5.00
Total for Check Number 8499:				0.00	5.00

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8500	UB*03233	Jesse Quinalty Refund Check	01/14/2019		98.48
Total for Check Number 8500:				0.00	98.48
8501	UB*03231	RSI Communities LLC Refund Check Refund Check Refund Check Refund Check	01/14/2019		1.47 60.01 2.04 4.26
Total for Check Number 8501:				0.00	67.78
8502	UB*03240	Trinity Financial Services LLC Refund Check	01/14/2019		140.68
Total for Check Number 8502:				0.00	140.68
8503	UB*03235	Peter Veltman Refund Check	01/14/2019		1.33
Total for Check Number 8503:				0.00	1.33
8504	10515 INV-ACC42563 INV-ACC42563	Accela, Inc Accela Software Maint Support - Dec 2018 (Re-issue) Prepaid Accela Software Maint Support (Re-issue)	01/14/2019		2,173.97 23,913.23
Total for Check Number 8504:				0.00	26,087.20
8505	10001 47231 47231 47231 47231 47231 47231 47231 47231 47231 47231 47231	Action True Value Hardware Thread/Compound - Build Meters Security Bits - Meter Change Outs Chain File - Chain Saw Couplers - Unit 4 PVC Glue - CL2 Line Well 27 Spool Trimmer Line- Weedeater Simple Green/Brush - Unit 32 PVC Pipe - Princeton/Noble Chain for Chainsaw Propane Refill For Torch Gun	01/14/2019		35.49 10.31 9.69 12.61 5.38 35.55 9.68 12.02 24.77 12.08
Total for Check Number 8505:				0.00	167.58
8506	10144 LYUM1326484 LYUM1326486 LYUM1330311 LYUM1330313	Alsco Inc Cleaning of Mats & Shop Towels 12th/Palm Dec 2018 Cleaning of 3 Office Mats 560 Magnolia Dec 2018 Cleaning of Mats & Shop Towels 12th/Palm Dec 2018 Cleaning of 3 Office Mats 560 Magnolia Dec 2018	01/14/2019		35.10 34.26 35.10 34.26
Total for Check Number 8506:				0.00	138.72
8507	10292 10102018 10102018	Association of California Water Agencies 2019 Jan Annual Membership - 560 Magnolia Ave Prepaid 2019 Jan Annual Membership - 560 Magnolia Ave	01/14/2019		1,525.00 16,775.00
Total for Check Number 8507:				0.00	18,300.00
8508	UB*03037 01082019	Angelo Bagnara Reissue Unclaimed Funds - A Bagnara	01/14/2019		160.31
Total for Check Number 8508:				0.00	160.31

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8509	10271	Beaumont Ace Home Center	01/14/2019		
	1-Dec	Welding Wire - John Deer			23.48
	1-Dec	Storage Bags for Water Samples			4.08
	1-Dec	Solid Rod - Unit 37			11.83
	1-Dec	Press Valves - Princeton			116.68
	1-Dec	Liquid Chlorine - 4" Main Princeton			16.57
	1-Dec	Rainsuit - Field Staff			20.46
	1-Dec	Electrical Tape - Light Towner			1.39
	1-Dec	Nipple/Bushing - Well 6 Standby Motor			11.39
	1-Dec	Liquid Chlorine - Disinfect Well 13			16.57
	1-Dec	Galv Bushings - 12th St Leak			6.24
	1-Dec	Brass Nipples - Princeton			27.73
	1-Dec	Liquid Chlorine - Disinfect Well 22			41.43
	1-Dec	Gear Oil - Gas Ponder/Water Pump/Compressor			9.47
	1-Dec	Fast Acting Fuse - Taylor Tank Electrical Panel			5.16
	1-Dec	Air/Siphon Pump - Unit 32			16.15
	1-Dec	Nipple/Valves/ Comp - Well 22			19.47
	1-Dec	Safety Gloves - Field Staff			18.31
	1-Dec	Bolts/Nuts - Disc			6.85
	1-Dec	Primer - Trucks			7.53
	1-Dec	Pressure Gauge - Discharge Pipe Well 12			7.32
	1-Dec	Rainsuit - Field Staff			59.25
	1-Dec	Ceramic Heater - 560 Magnolia			38.77
	1-Dec	Rainsuit - Field Staff			21.54
	1-Dec	Galv Elbow - Trucks			46.22
	1-Dec	Pliers - Unit 8			21.54
	1-Dec	50 Qt Cooler For Water Samples			35.01
	1-Dec	Safety Gloves - Unit 8			18.31
	1-Dec	Galv Pipe - Princeton			20.87
	1-Dec	Screwdriver/Hacksaw/Blade/Chisel - Unit 8			24.52
	1-Dec	Butt Splices - Vac Truck			11.84
	1-Dec	Chip Brush/Sticks - Painting Fire Hydrants			10.88
	1-Dec	Elbow/Pipe/Coupling - Princeton			15.17
	1-Dec	Fast Acting Fuse - Taylor Tank			5.16
	1-Dec	Spray Paint - Dump Truck			34.20
	1-Dec	Muriatic Acid - Well 21 Chlorinator			17.22
	1-Dec	Trap/Trap Strap - Large Dump Truck			48.93
	1-Dec	Trench Shovel - Unit 11			27.90
	1-Dec	Brass Rod - Unit 8			4.62
	1-Dec	Oil Drain Pan - Well 6			3.00
Total for Check Number 8509:				0.00	853.06
8510	10308	Byrd Industrial Electronics	01/14/2019		
	1207-18	SCADA Update Mtg/Mileage			111.24
	1207-18	(6) RTU Fuses - Taylor			720.00
Total for Check Number 8510:				0.00	831.24
8511	10019	C R & R Incorporated	01/14/2019		
	0093927	Monthly Charges 3 YD Commercial Bin Jan 2019			263.54
Total for Check Number 8511:				0.00	263.54
8512	10249	CDW Government LLC	01/14/2019		
	QLH1502	HP SB 800/Monitor/Samsung 860 EVO - Assistant Engineer			2,290.76
Total for Check Number 8512:				0.00	2,290.76

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8513	10614	Cherry Valley Automotive	01/14/2019		
	24379	Alternator - OD 155,667 Unit 11			164.84
	24379	Labor - Test/Install Alternator - OD 155,667 Unit 11			150.00
	24408	Labor - Changed Oil/Filter - OD 14,848 Unit 34			22.00
	24408	Oil/Filter - OD 14,848 Unit 34			29.30
	24431	Labor - Changed Oil/Filter - OD 3,029 Unit 37			22.00
	24431	Oil/Filter - OD 3,029 Unit 37			33.07
Total for Check Number 8513:				0.00	421.21
8514	10016	City of Beaumont	01/14/2019		
	261701 Nov Dec	Monthly Sewer Charges 11/01/18 - 01/01/19			51.04
Total for Check Number 8514:				0.00	51.04
8515	10098	County of Riverside Dept of Environmental Health	01/14/2019		
	AR0073468	Annual Env Health Level II Permit - Well 26			1,105.00
	AR0073565	Annual Env Health Level II Permit - Well 25			1,105.00
	AR0073566	Annual Env Health Level II Permit - 560 Magnolia Ave			842.00
	AR0073567	Annual Env Health Level II Permit -10102 Bellflower/HS Booster			842.00
	AR0073568	Annual Env Health Level II Permit - Well 24			1,105.00
	AR0073569	Annual Env Health Level II Permit - Well 16			1,203.00
	AR0073570	Annual Env Health Level II Permit - Well 23			1,105.00
	AR0073571	Annual Env Health Level II Permit - Well 1 Generator			1,616.00
	AR0073572	Annual Env Health Level II Permit - 37251 Cherry Valley Blvd			1,105.00
	AR0073573	Annual Env Health Level II Permit - Well 4A			842.00
Total for Check Number 8515:				0.00	10,870.00
8516	10360	Cutting Edge Supply	01/14/2019		
	COLINV078375	(4) Plow Nuts - CAT 953			11.68
	COLINV078375	(1) Corner Protector Left - CAT 953			84.83
	COLINV078375	(1) Corner Protector Right - CAT 953			84.83
	COLINV078375	(4) Plow Bolts - CAT 953			19.27
Total for Check Number 8516:				0.00	200.61
8517	UB*03212	De Angelo Brothers, LLC	01/14/2019		
	01082019	Reissue Refund Check - De Angelo Brothers			1,977.09
Total for Check Number 8517:				0.00	1,977.09
8518	10332	Department of Forestry and Fire Protection	01/14/2019		
	156491	(12) Crew for Clean up - Oak Glen Conservation Camp Sept 2018			2,723.28
	156492	(16) Crew for Clean Up- Oak Glen Conservation Camp Jul/Aug 2018			3,631.04
Total for Check Number 8518:				0.00	6,354.32
8519	10600	Gaucho Gophers & Landscape Management	01/14/2019		
	01022019	NCR 1 Rodent Control - Dec 2018			1,000.00
Total for Check Number 8519:				0.00	1,000.00
8520	10052	Home Depot Credit Services	01/14/2019		
	2021682	Saw & Arbor/Hole Saw - Princeton			27.92
	2021682	Flashlight/Drill Kit - Unit 4			30.14
	7021950	Cleaning Supply Swifters - 560 Magnolia Ave			42.02
	7021950	Kitchen Bags - 560 Magnolia Ave			336.66
Total for Check Number 8520:				0.00	436.74
8521	10465	Image Source	01/14/2019		
	AR869536	Xerox 3610 Contract Charges 01/01-31/2019 Jan 2019			65.19
	AR869536	Xerox 3610 Usage Charges 12/01-12/31/18 Dec			935.50
Total for Check Number 8521:				0.00	1,000.69

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8522	10273	Inland Water Works Supply Co.	01/14/2019		
	S1016960.001	(1) 10" Cla-Val - Well 22			12,895.01
	S1017268.001	(240) Security Seals for Transmitters for New Meters - Inventory			50.69
	S1017268.001	(200) Transmitters for New Meters - Inventory			15,839.25
	S1018036.002	(1) 860-900 x 12.5 FC Clamps - Inventory			179.51
	S1018036.002	(2) 860-900 x 7 FC Clamps - Inventory			223.86
	S1018220.001	(6) 3/4" x 4" Meter Couplings - Inventory			114.04
	S1018770.001	(4) 425 x 12 Full Circles - Inventory			468.84
	S1018770.001	(20) 2" Meter Flanges - Inventory			367.47
	S1018770.001	(19) 2" Meter Bolt Sets - Inventory			63.20
	S1018770.001	(40) 2" Meter Gasket Drop In - Inventory			114.04
	S1018770.002	(21) 2" Meter Bolt Sets - Inventory			69.85
	S1019194.001	(1) 6" 6 Hole Weld On Flange for Hydrant Repair			53.85
	S1019194.001	(6) Meter Box Meter Lid Hooks - Stock			209.08
	S1019194.001	(1000) 3/4" Thin Meter Gaskets - Stock			263.99
Total for Check Number 8522:				0.00	30,912.68
8523	10278	MetLife - Group Benefits	01/14/2019		
	KM05754034 Jan	MetLife Vision Ins Jan 2019			196.75
	KM05754034 Jan	MetLife Dental Ins Jan 2019			690.54
Total for Check Number 8523:				0.00	887.29
8524	10350	NAPA Auto Parts	01/14/2019		
	74596	Blinker Bulbs - Unit 36			3.21
	75827	Battery Charger/Carberator Cleaner - Well 6			45.22
	75845	Carberator Cleaner - Well 6			25.85
	75894	Thread Seal - Unit 8			32.30
	75904	Copper/Adapter/Blowgun - Well 6			118.84
	76230	Caps/Stabilzer/Oil/Spark Plugs - Well 6 Standby Motor			130.40
Total for Check Number 8524:				0.00	355.82
8525	10196	National Meter & Automation, Inc	01/14/2019		
	S1108431.001	(96) Badger Meters 5/8" With Wire - Inventory			14,171.28
	S1108431.002	(15) Badger Meters 2" With Wire - Inventory			10,780.39
Total for Check Number 8525:				0.00	24,951.67
8526	10143	Nobel Systems Inc	01/14/2019		
	14453	Geoviewer Annual Subscription 1/1-12/31/2019			10,000.00
Total for Check Number 8526:				0.00	10,000.00
8527	10045	Pacific Alarm Service Inc	01/14/2019		
	R144226	Alarm Equip/Rent/Service/Monitor 560 Magnolia Jan 2019			368.00
	R144227	Alarm Equip/Rent/Service/Monitor 11083 Cherry Ave Jan 2019			44.50
Total for Check Number 8527:				0.00	412.50
8528	10297	Rain For Rent	01/14/2019		
	1291249	Delivery/Rental Env Fees for Baker Tank to Flush Well 22			1,769.80
	1296584	Delivery/Rental Env Fees for Baker Tank to Flush Well 22			2,480.64
Total for Check Number 8528:				0.00	4,250.44
8529	10171	Riverside Assessor - County Recorder	01/14/2019		
	11302018	Nov 2018 Lien Fees			62.00
Total for Check Number 8529:				0.00	62.00

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8530	10317 366284 366284	Robertson's Ready Mix 13.19 Tons of Sand - Maint/Repairs Pipelines 13.8 Tons of Sand for Meter Maint	01/14/2019		119.85 119.82
Total for Check Number 8530:				0.00	239.67
8531	10689 164578	Safety Compliance Company Safety Consulting - PDF Submission Emailed	01/14/2019		150.00
Total for Check Number 8531:				0.00	150.00
8532	10290 19-00185	San Gorgonio Pass Water Agency 1,149 AF @ \$317 for Dec 2018	01/14/2019		364,233.00
Total for Check Number 8532:				0.00	364,233.00
8533	10170 01082019	Secretary Of State Filing - New Officer of the Water Board (Re-issue)	01/14/2019		6.00
Total for Check Number 8533:				0.00	6.00
8534	10042 07132135000Dec	Southern California Gas Company Monthly Gas Charges 11/27/18-12/27/18 Dec 2018	01/14/2019		14.79
Total for Check Number 8534:				0.00	14.79
8535	10325 2541 2541 2541 2541	Springbrook/Accela National Users Group 2019 Springbrook User Conf 6/12-14/2019 - S Delgadillo 2019 Springbrook User Conf 6/12-14/2019 - Y Rodriguez 2019 Springbrook User Conf 6/12-14/2019 - S Molina 2019 Springbrook User Conf 6/12-14/2019 - W Clayton	01/14/2019		650.00 650.00 650.00 650.00
Total for Check Number 8535:				0.00	2,600.00
8536	10276 00610763 Jan 18 00610763 Jan 18 00610763 Jan 18 00610763 Jan 18	Standard Insurance Company Catch up - B Ortega Jan 2019 Catch up - K Johnsen Jan 2019 Catch up - V Litka Jan 2019 Monthly Life & AD&D Insurance Jan 2019	01/14/2019		38.34 2.14 76.68 812.77
Total for Check Number 8536:				0.00	929.93
8537	10447 12212018	State Water Resources Control Board - DWOCP Certificate Grade 1 - C Vieyra	01/14/2019		70.00
Total for Check Number 8537:				0.00	70.00
8538	10743 147370	Townsend Public Affairs, Inc Grant Writing Consulting Services - Dec 2018	01/14/2019		4,000.00
Total for Check Number 8538:				0.00	4,000.00
8539	10284 1220180043 1220180043	Underground Service Alert of Southern California 97 New Ticket Charges Dec 2018 Monthly Maintenance Fee Dec 2018	01/14/2019		160.05 10.00
Total for Check Number 8539:				0.00	170.05
8540	10255 0381126-IN 0381127-IN	Unlimited Services Building Maintenance Jan 2019 Janitorial Services 815 E 12th Jan 2019 Janitorial Services for 560 Magnolia Av	01/14/2019		150.00 845.00
Total for Check Number 8540:				0.00	995.00

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8541	10116 9821207950 9821207950	Verizon Wireless Services LLC Cell Phone Charges for Dec 2018 iPad Charges for Dec 2018	01/14/2019		205.34 120.03
Total for Check Number 8541:				0.00	325.37
8542	10754 01022019	Conrad Vieyra Safety Boots - C Vieyra	01/14/2019		144.83
Total for Check Number 8542:				0.00	144.83
8543	10385 5439264	Waterline Technologies, Inc. - PSOC (900) Gallon Chlorine - Well 25	01/14/2019		1,089.00
Total for Check Number 8543:				0.00	1,089.00
8544	10599 0008987-IN	West Coast Technology 1 Year 2U24 RAID Support	01/14/2019		3,600.00
Total for Check Number 8544:				0.00	3,600.00
Total for 1/14/2019:				0.00	530,076.29
ACH	10132 3378007 3378008 3380503 3380505	South Coast AQMD ICE EM Elec Gen- Diesel - F ID 129302 ICE EM Elec Gen- Diesel - F ID 129305 Flat Fee - Last Year Emissions - F ID 129302 Flat Fee - Last Year Emissions - F ID 129305	01/15/2019		406.79 406.79 131.79 131.79
Total for this ACH Check for Vendor 10132:				0.00	1,077.16
ACH	10138 HW201Jan 2019	ARCO Business Solutions ARCO Fuel Charges 12/12/2018 - 01/11/2019	01/15/2019		4,925.05
Total for this ACH Check for Vendor 10138:				0.00	4,925.05
Total for 1/15/2019:				0.00	6,002.21
ACH	10085 15515480 15515480 15515480 15515480 15515480 15515480	CalPERS Retirement System PR Batch 00002.01.2019 CalPERS ER Paid Classic PR Batch 00002.01.2019 CalPERS 8% EE Paid PR Batch 00002.01.2019 CalPERS 1% ER Paid PR Batch 00002.01.2019 CalPERS ER PEPRA PR Batch 00002.01.2019 CalPERS 7% EE Deduction PR Batch 00002.01.2019 CalPERS 8% ER Paid	01/24/2019		8,527.95 2,211.19 172.94 2,932.85 3,927.35 1,151.17
Total for this ACH Check for Vendor 10085:				0.00	18,923.45
ACH	10087 1-889-523-520 1-889-523-520	EDD PR Batch 00002.01.2019 CA SDI PR Batch 00002.01.2019 State Income Tax	01/24/2019		1,015.92 4,101.23
Total for this ACH Check for Vendor 10087:				0.00	5,117.15
ACH	10094 40817756 40817756 40817756 40817756 40817756	U.S. Treasury PR Batch 00002.01.2019 Federal Income Tax PR Batch 00002.01.2019 FICA Employer Portion PR Batch 00002.01.2019 Medicare Employer Portion PR Batch 00002.01.2019 FICA Employee Portion PR Batch 00002.01.2019 Medicare Employee Portion	01/24/2019		10,151.42 6,357.92 1,488.70 6,357.92 1,488.70
Total for this ACH Check for Vendor 10094:				0.00	25,844.66

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
ACH	10141 9EGBPTN6657 9EGBPTN6657	Ca State Disbursement Unit PR Batch 00002.01.2019 Garnishment PR Batch 00002.01.2019 Garnishment	01/24/2019		288.46 266.30
Total for this ACH Check for Vendor 10141:				0.00	554.76
ACH	10203 VB1450-PP02	Voya Financial PR Batch 00002.01.2019 Deferred Comp	01/24/2019		475.00
Total for this ACH Check for Vendor 10203:				0.00	475.00
ACH	10264 15559508 15559508	CalPERs Supplemental Income Plans PR Batch 00002.01.2019 CalPERS 457 PR Batch 00002.01.2019 CalPERS 457 %	01/24/2019		590.00 48.18
Total for this ACH Check for Vendor 10264:				0.00	638.18
8545	UB*03246	Kathleen Beu Refund Check Refund Check Refund Check Refund Check	01/24/2019		5.78 5.88 18.14 8.20
Total for Check Number 8545:				0.00	38.00
8546	UB*03250	Charles Clifton Refund Check Refund Check Refund Check Refund Check	01/24/2019		23.37 19.93 11.20 8.03
Total for Check Number 8546:				0.00	62.53
8547	UB*03247	April Colquitt Refund Check	01/24/2019		9.86
Total for Check Number 8547:				0.00	9.86
8548	UB*03251	Virginia Forbes Refund Check Refund Check Refund Check Refund Check	01/24/2019		15.22 48.87 21.22 44.28
Total for Check Number 8548:				0.00	129.59
8549	UB*03253	Julian Guevara Refund Check Refund Check Refund Check Refund Check	01/24/2019		5.06 1.69 1.71 2.38
Total for Check Number 8549:				0.00	10.84
8550	UB*03245	Jiehui Huang Refund Check	01/24/2019		35.22
Total for Check Number 8550:				0.00	35.22

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8551	UB*03249	Integrity Contractors Refund Check Refund Check Refund Check Refund Check	01/24/2019		168.18 420.45 1,297.92 120.65
Total for Check Number 8551:				0.00	2,007.20
8552	UB*03241	K B Home Inc Refund Check	01/24/2019		1,943.00
Total for Check Number 8552:				0.00	1,943.00
8553	UB*03259	Tashana Lewis Refund Check	01/24/2019		113.24
Total for Check Number 8553:				0.00	113.24
8554	UB*03252	Shari & Mark McCracken Refund Check	01/24/2019		25.70
Total for Check Number 8554:				0.00	25.70
8555	UB*03244	Nichole Mccue Refund Check Refund Check Refund Check Refund Check	01/24/2019		11.97 12.53 26.15 8.99
Total for Check Number 8555:				0.00	59.64
8556	UB*03254	Art Nava Refund Check	01/24/2019		227.49
Total for Check Number 8556:				0.00	227.49
8557	UB*03242	Catherine Opitz Refund Check	01/24/2019		80.72
Total for Check Number 8557:				0.00	80.72
8558	UB*03243	Inez Rodriguez Refund Check	01/24/2019		199.49
Total for Check Number 8558:				0.00	199.49
8559	UB*03255	RSI Communities LLC Refund Check	01/24/2019		26.47
Total for Check Number 8559:				0.00	26.47
8560	UB*03257	RSI Communities LLC Refund Check Refund Check Refund Check Refund Check	01/24/2019		5.74 16.71 8.01 26.82
Total for Check Number 8560:				0.00	57.28

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8561	UB*03256	Angelina Russo Refund Check Refund Check Refund Check Refund Check	01/24/2019		0.71 3.19 4.45 9.66
Total for Check Number 8561:				0.00	18.01
8562	UB*03248	Stephen Sheppard Refund Check Refund Check Refund Check Refund Check	01/24/2019		315.12 226.07 617.67 787.81
Total for Check Number 8562:				0.00	1,946.67
8563	UB*03240	Trinity Financial Services LLC Refund Check	01/24/2019		27.64
Total for Check Number 8563:				0.00	27.64
8564	UB*03261	Taryn Kellum Trista Sibole Refund Check Refund Check Refund Check Refund Check	01/24/2019		55.23 37.28 117.87 39.62
Total for Check Number 8564:				0.00	250.00
8565	UB*03258	Reginald Winter Refund Check	01/24/2019		11.49
Total for Check Number 8565:				0.00	11.49
8566	UB*03260	Zita Worley Refund Check Refund Check Refund Check Refund Check	01/24/2019		5.55 3.98 30.15 11.58
Total for Check Number 8566:				0.00	51.26
8567	10319 01012019	ACWA Joint Powers Insurance Authority (34) Employee - Employee Assistance Program Jan 2019	01/24/2019		79.90
Total for Check Number 8567:				0.00	79.90
8568	10000 224375 224375 224375 224377 224377 224377 224379 224379 224379 224379	A C Propane Co Propane Refill Jan 2019 - 13697 Oak Glen Rd Propane Refill Jan 2019 - 13697 Oak Glen Rd Propane Refill Jan 2019 - 13697 Oak Glen Rd Propane Refill Jan 2019 - 13695 Oak Glen Rd Propane Refill Jan 2019 - 13695 Oak Glen Rd Propane Refill Jan 2019 - 13695 Oak Glen Rd Propane Refill Jan 2019 - 9781 Avenida Miravilla Propane Refill Jan 2019 - 9781 Avenida Miravilla Propane Refill Jan 2019 - 9781 Avenida Miravilla Propane Refill Jan 2019 - 9781 Avenida Miravilla	01/24/2019		533.84 -454.25 454.25 -435.17 435.17 606.05 -45.96 -348.41 394.37 348.41
Total for Check Number 8568:				0.00	1,488.30
8569	10001 47231	Action True Value Hardware Nuts/Bolts/Washers - Hannon Tank Vault Door	01/24/2019		1.93
Total for Check Number 8569:				0.00	1.93

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8570	10319 12312018 12312018 12312018 12312018 12312018	ACWA Joint Powers Insurance Authority 2018/2019 2nd Qtr Worker's Comp 2018/2019 2nd Qtr Worker's Comp Rate Adjustment 2018/2019 2nd Qtr Worker's Comp Rate Adjustment 2018/2019 2nd Qtr Worker's Comp Rate Adjustment 2018/2019 2nd Qtr Worker's Comp Rate Adjustment	01/24/2019		10,788.79 0.67 1.11 0.74 0.05
Total for Check Number 8570:				0.00	10,791.36
8571	10272 BA90132 BA90354 BA90412 BA90448 BA90478 BA90558 BA90592 BA90593 BA90594 BA90595 BA90596 BA90729 BA91435 BA91436 BL80281 BL80579 BL80739 BL80741 BL80929 BL81550 BL81551 BL81615 BL82209 BL82302 BL90131	Babcock Laboratories Inc (4) Wells Lab Sample (4) Wells Lab Sample (4) Wells Lab Sample (7) Wells Lab Sample (8) Wells Lab Sample (1) Wells Lab Sample (7) Wells Lab Sample (5) Coliforms Wells Lab Sample (1) Wells Lab Sample (1) Wells Lab Sample (1) Wells Lab Sample (1) Wells Lab Sample (1) Wells Lab Sample (15) Coliforms Wells Lab Sample (3) Wells Lab Sample (2) Coliforms Wells Lab Sample (12) Coliforms Lab Sample (12) Coliforms Lab Sample (2) Coliforms Wells Lab Sample (8) Wells Lab Sample (15) Coliforms Lab Sample (5) Wells Lab Sample (1) Well Lab Sample (15) Coliforms Lab Sample (1) Coliform Lab Sample (15) Coliforms Lab Sample	01/24/2019		168.00 4,776.00 616.00 735.00 840.00 48.00 4,158.00 1,025.00 910.00 105.00 762.00 121.00 630.00 126.00 84.00 504.00 504.00 84.00 4,416.00 630.00 210.00 105.00 630.00 12.00 630.00
Total for Check Number 8571:				0.00	22,829.00
8572	10635 453935 453937	Cal-Mesa Steel Supply, Inc Ware Plates for Loader Channel C x 8.2 Cut 24 for Jack Hammer Holder	01/24/2019		280.01 32.30
Total for Check Number 8572:				0.00	312.31
8573	10614 24316 24316 24582 24582	Cherry Valley Automotive Labor - Remove/Replace Radiator Hose - OD 40,616 Unit 4 Radiator Hose - OD 40,616 Unit 4 Labor - Changed Oil/Filter - OD 3,036 Unit 38 Oil/Filter - OD 3,036 Unit 38	01/24/2019		72.00 88.87 22.00 25.53
Total for Check Number 8573:				0.00	208.40
8574	10340 INV-00065753	County of Riverside Encroachment Permit	01/24/2019		2,000.00
Total for Check Number 8574:				0.00	2,000.00
8575	10360 COLINV078642	Cutting Edge Supply Ware Plates for Loader Bucket	01/24/2019		93.74
Total for Check Number 8575:				0.00	93.74
8576	10336 01162019	Joe Haggin Safety Boots - J Haggin	01/24/2019		113.12
Total for Check Number 8576:				0.00	113.12

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8577	10321 05558	Julian Herrera Jr Safety Boots - J Herrera	01/24/2019		50.61
Total for Check Number 8577:				0.00	50.61
8578	10719 01162019	HR Dynamics & Performance Management, Inc HR Dynamics - HR Assessment/Policy Update	01/24/2019		15,000.00
Total for Check Number 8578:				0.00	15,000.00
8579	10309 BCVWD-4 BCVWD-4	Inland Empire Resource Conservation District Program Set-up Fee Water Conservation 5/15/18 & 5/25/18 Anna Hause Elementary Water Conservation 5/15/18 & 5/25/18	01/24/2019		250.00 960.00
Total for Check Number 8579:				0.00	1,210.00
8580	10202 412245 412245	Kaboo Leasing Co. Weld Loader Bucket Weld Well 22	01/24/2019		660.00 220.00
Total for Check Number 8580:				0.00	880.00
8581	10224 0101129 Jan	Legal Shield Monthly Prepaid Legal for Employees Jan 2019	01/24/2019		214.30
Total for Check Number 8581:				0.00	214.30
8582	10281 42279 42279	Luther's Truck and Equipment Labor Changed A/C/Fan - Belt/Tensioner OD 27,291 Kenworth A/C/Fan - Belt/Tensioner OD 27,291 Kenworth	01/24/2019		573.00 210.16
Total for Check Number 8582:				0.00	783.16
8583	10026 519488 RI 519488 RI 519839 RI	McCrometer Inc Repair FH Meter Labor - Repair FH Meter Meter Bearing for Meter A at Lower Edgar Resv	01/24/2019		45.68 196.00 318.00
Total for Check Number 8583:				0.00	559.68
8584	10674 1037663 1037663 1037663	Michael Baker International CEQA Pipeline Replacement - Altejo - Miravilla to End CEQA Pipeline Replacement - Egan - California Alley 5th to 7th CEQA Pipeline Replacement - Appletree - B Line to Oak Glen	01/24/2019		1,165.67 1,165.67 1,165.66
Total for Check Number 8584:				0.00	3,497.00
8585	10634 12232018	Robert Mitchell (15) Truck Washes Dec 2018	01/24/2019		265.00
Total for Check Number 8585:				0.00	265.00
8586	10400 012319	Sylvia Molina Reim Mileage for SB 998 Training - S Molina	01/24/2019		49.30
Total for Check Number 8586:				0.00	49.30
8587	10756 01152019 090195	Cole Nyberg Certificate OP# 48436 Grade 2 - C Nyberg Safety Boots - C Nyberg	01/24/2019		60.00 169.95
Total for Check Number 8587:				0.00	229.95

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8588	10102	Pat's Pots	01/24/2019		
	17106 -17108	Rental Portable Toilets 10/23-1/14/2019			194.40
	17106 -17108	Labor - Rental Portable Toilets 10/23-1/14/2019			735.60
	17109	Labor - Rental Portable Toilets 1/15-2/11/19 Jan 2019			245.20
	17109	Rental Portable Toilets 1/15-2/11/19 Jan 2019			64.80
Total for Check Number 8588:				0.00	1,240.00
8589	10632	Quinn Company	01/24/2019		
	WOG00004055	Labor - Remove and Install Battery at Well 23			120.00
	WOG00004055	Perform Annual PM2 Service at Well 23			487.41
	WOG00004055	Labor - Perform Annual PM2 Service at Well 23			725.00
	WOG00004055	Take/Analyze SOS from Fuel Tank at Well 23			151.19
	WOG00004055	Replace and Install Battery at Well 23			591.69
Total for Check Number 8589:				0.00	2,075.29
8590	10056	RDO Equipment Co. Trust# 80-5800	01/24/2019		
	P09190	Spacer - Green Tractor			69.78
	P09190	Cotter Pin - Green Tractor			1.57
	P09190	Quick Lock - Green Tractor			11.09
	P09190	Retainer - Green Tractor			21.92
	P09190	Pin - Green Tractor			28.10
Total for Check Number 8590:				0.00	132.46
8591	10223	Richards, Watson & Gershon	01/24/2019		
	219818	Legal Services Nov 2018 Board Approval 01/9/19			4,069.18
Total for Check Number 8591:				0.00	4,069.18
8592	10095	Riverside County Dept of Waste Resources	01/24/2019		
	201812000339	Weeds/Trash Removal NCR I Dec 2018			39.94
Total for Check Number 8592:				0.00	39.94
8593	10317	Robertson's Ready Mix	01/24/2019		
	373302	25 Tons of Base			149.45
	373302	25 Tons of Base			149.46
Total for Check Number 8593:				0.00	298.91
8594	10031	Staples Business Advantage	01/24/2019		
	3400343635	Weekly Planner 2019			16.91
	3400343635	Blk/Wht Laminated Tape - Main Office Stock			27.57
	3400343635	(10) Cases of Copy Paper - Main Office Stock			333.92
Total for Check Number 8594:				0.00	378.40
8595	10341	State Water Resources Control Board	01/24/2019		
	01162019	Prepaid Title 22 Water System Fee 17,997 Connection Jan-Jun 2019			18,352.47
	01162019	Title 22 Water System Fee 17,997 Connection Jan 2019			3,670.50
	LW-1020634	Title 22 Water System Fees 17,997 Connection July-Dec 2018			22,022.98
Total for Check Number 8595:				0.00	44,045.95
8596	10758	Sunbelt Rentals, Inc	01/24/2019		
	86268814-0002	New Service Install - Sunnyslope - Boring Machine Rental			272.97
Total for Check Number 8596:				0.00	272.97
8597	10443	Superior Gate Services	01/24/2019		
	10154	Middle Canyon Gate Repair			550.00
Total for Check Number 8597:				0.00	550.00

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
8598	10063 952929	The Record Gazette Ad - Inviting Bids for Well 3	01/24/2019		530.00
Total for Check Number 8598:				0.00	530.00
8599	10743 14438	Townsend Public Affairs, Inc Grant Writing Services 01/01-01/31/2019	01/24/2019		4,000.00
Total for Check Number 8599:				0.00	4,000.00
8600	10385 5441297	Waterline Technologies, Inc. - PSOC 900 Gallons of Chlorine - Well 25	01/24/2019		1,089.00
Total for Check Number 8600:				0.00	1,089.00
8601	10293 117126	Western Dental Services Inc Western Dental Premiums Jan 2019	01/24/2019		172.28
Total for Check Number 8601:				0.00	172.28
Total for 1/24/2019:				0.00	178,435.98
Report Total (152 checks):				0.00	968,394.09



**Beaumont-Cherry Valley Water District
Board of Directors Meeting
February 13, 2019**

Item 2d

STAFF REPORT

TO: Board of Directors
FROM: Dan Jagers, General Manager
SUBJECT: **Approval of Pending Invoices**

Staff Recommendation

Approve the pending invoice totaling \$2,212.41.

Background

Staff has reviewed the pending invoice and found the services rendered were acceptable to the District.

Fiscal Impact

There is a \$2,212.41 impact to the District which will be paid from the 2018 budget.

Attachment(s)

- Richards Watson Gershon Invoice # 220252



T 213.626.8484
F 213.626.0078
Fed. I.D. No. 95-3292015

355 South Grand Avenue
40th Floor
Los Angeles, CA 90071-3101

CONFIDENTIAL
This material is subject to the attorney-client privilege and/or attorney work product protection, or otherwise is privileged or confidential. Do not disclose the contents hereof. Do not file with publicly-accessible records.

DAN JAGGERS, GENERAL MANAGER
Beaumont- Cherry Valley Water District
560 Magnolia Avenue
Beaumont, Ca 92223-2258

January 17, 2019
Invoice # 220252

Re: [REDACTED] GENERAL COUNSEL SERVICES

For professional services rendered through December 31, 2018:

Current Legal Fees	\$2,077.25
Current Client Costs Advanced	<u>\$135.16</u>
TOTAL CURRENT FEES AND COSTS	<u>\$2,212.41</u>
Balance Due From Previous Statement	\$4,069.18
TOTAL BALANCE DUE FOR THIS MATTER	<u>\$6,281.59</u>

TERMS: PAYMENT DUE UPON RECEIPT

PLEASE RETURN THIS PAGE WITH YOUR REMITTANCE TO

RICHARDS, WATSON & GERSHON
355 South Grand Avenue, 40th Floor
Los Angeles, CA 90071-3101

RICHARDS WATSON GERSHON



**BEAUMONT-CHERRY VALLEY WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
560 Magnolia Avenue, Beaumont, CA 92223
Wednesday, January 9, 2019 at 6:00 p.m.**

Call to Order: President Covington

President Covington began the meeting at 6:04 p.m.

Pledge of Allegiance: Vice President Slawson

Vice President Slawson led the pledge.

Invocation: Director Ramirez

Director Ramirez gave the invocation.

Roll Call:

Directors present:	President Covington Directors Hoffman, Ramirez, Slawson, Williams
Directors absent:	None
Staff present:	General Manager Dan Jiggers, Senior Engineer Mark Swanson; Senior Assistant Director of Operations James Bean, Administrative Assistant Erica Gonzales
Legal counsel:	James Markman

Members of the public who registered their attendance: Fran Flanders and Lloyd White.

Public Comment: None.

ACTION ITEMS

1. Adjustments to the Agenda: None.

2. Consent Calendar:

Item d – December invoices pending approval – was pulled for discussion.

The following Consent Calendar items were approved with one motion:

- a. November 2018 Budget Variance Report
- b. November 30, 2018 Cash/Investment Balance Report
- c. December 2018 Check Register
- e. Minutes of the Special Meeting of December 6, 2018
- f. Minutes of the Regular Meeting of December 12, 2018

MOVED: Slawson	SECONDED: Ramirez	APPROVED 5-0
AYES:	Covington, Hoffman, Ramirez, Slawson, Williams	
NOES:	None.	
ABSTAIN:	None.	
ABSENT:	None.	

d. December 2018 Invoices Pending Approval

President Covington noted the staff report figure is different from the balance due. General Manager Jagers explained that typically the balances from the previous statement show up, although previously approved for payment, but payment has not usually been received prior to the next invoice being generated.

MOVED: Ramirez	SECONDED: Hoffman	APPROVED 5-0
AYES:	Covington, Hoffman, Ramirez, Slawson, Williams	
NOES:	None.	
ABSTAIN:	None.	
ABSENT:	None.	

3. Consideration of Resolution 2019-01 Acknowledging the Review, Receipt and Acceptance of the District’s Investment Policy

General Manager Jagers explained the annual review and statement of the District’s investment policy. He reminded the Board this policy was approved in December 2017, re-stated in January 2018, and is now before the Board for restatement. There have been no changes, Jagers said.

Director Hoffman indicated confidence that in the past this has been satisfactory and changes in investment policy have added substantially to interest income. He asked for additional feedback regarding following the policy and generation of ideas for investments within the scope of the policy, and who would make that decision. He suggested further legal review.

President Covington asked if the policy is a statement of best management practices, as it does not define in which investments the District’s funds are invested. Mr. Jagers explained that for protection of the District’s funds, the policy limits the legal vehicles in which the District may invest. It has been based on a standard format and adapted for the District.

Some Districts, Jagers noted, have engaged advisors to guide their long-term investments and this possibility may be before the Board in the future. He said he believes the District’s current investment vehicles are satisfying its needs.

Director Hoffman added that his concerns are safety and availability of use of the money, while maximizing return on investment. President Covington asked about making changes in investments. GM Jagers reminded that when money is moved, the Board is advised. The policy allows staff some discretion to move things around, but if a more robust investment vehicle is considered, staff will bring it to the Board. These ideas are also discussed monthly at the Finance and Audit Committee.

President Covington indicated confidence that staff is monitoring investments. Mr. Jagers pointed out that the Resolution gives the General Manager oversight of the plan and the policy directs the day-to-day activity to the Director of Finance and Administration.

Director Ramirez indicated it seems staff is doing a good job. Other entities which have advisors are only obtaining 1 percent, he said. He encouraged use of advisors but not sole reliance, and advocated additional eyes on the process.

The Board adopted Resolution 2019-01 Acknowledging the Review, Receipt and Acceptance of the District's Investment Policy by the following vote:

MOVED: Slawson	SECONDED: Hoffman	APPROVED 5-0
AYES:	Covington, Hoffman, Ramirez, Slawson, Williams	
NOES:	None.	
ABSTAIN:	None.	
ABSENT:	None.	

4. Consideration of a Request for Update of “Will Serve Letter” for Previously Approved Development – Country Club Village (Riverside County Assessor’s Parcel Nos. 400-010-003-8, 400-010-014-0, and 400-010-017-1) located in the City of Calimesa

General Manager Jagers explained the request. Country Club Village consists of a multi-use facility on three parcels, which were granted a Will-Serve Letter in December 2017. This has been moving through the development process in Calimesa with some minor revisions of the project site. The significant changes, Jagers pointed out, are a 9 percent increase in retail space, which does not consume much more water; the restaurant has increased from 6,200 to 6,500 square feet, and ultimately the building coverage across the site has been reduced by 8 percent.

Staff believes there is no significant change in water demand.

Director Ramirez noted that Mr. Jagers had answered a question regarding a change on the original amount of senior living and he has no objection. In response to Director Hoffman, Mr. Jagers confirmed that this area had been annexed into the District.

The Board approved the updated and modified “Will Serve Letter” for Previously Approved Development – Country Club Village (Riverside County Assessor’s Parcel Nos. 400-010-003-8, 400-010-014-0, and 400-010-017-1) located in the City of Calimesa by the following vote:

MOVED: Slawson	SECONDED: Williams	APPROVED 5-0
AYES:	Covington, Hoffman, Ramirez, Slawson, Williams	
NOES:	None.	
ABSTAIN:	None.	
ABSENT:	None.	

5. Consideration of Request for “Will Serve Letter” for Riverside County Assessor’s Parcel No. 401-110-046 located on Kadev Avenue, South East of Oak Glen Road, South of Tokay Street in the Community of Cherry Valley

Mr. Jagers explained this is a proposed single-family residence on an undeveloped lot for applicants Jocelyn Garcia and Tyler Large. In response to Director Ramirez, Mr. Jagers explained current front footage fees would be applied. Director Ramirez asked when the last adjustment of such fees was; Mr. Jagers answered the facilities fees were adopted in 2008, and the rate study was adopted in 2010.

The Board approved the Request for a new “Will Serve Letter” for Riverside County Assessor’s Parcel No. 401-110-046 located on Kadev Avenue, South East of Oak Glen Road, South of Tokay Street in the Community of Cherry Valley by the following vote:

MOVED: Hoffman	SECONDED: Slawson	APPROVED 5-0
AYES:	Covington, Hoffman, Ramirez, Slawson, Williams	
NOES:	None.	
ABSTAIN:	None.	
ABSENT:	None.	

6. Consideration of a Request for Update of “Will Serve Letter” for Previously Approved Development – Parcel Map 35266 (Parcel Nos. 1 and 3) San Gorgonio Village (Riverside County Assessor’s Parcel Nos. 419-260-057 and 419-0260-059) located in the City of Beaumont

Mr. Jagers reminded that this has been before the Board a number of times as the San Gorgonio Village Specific Plan approved by the Board in the mid-2000s when the Kohl’s was constructed. There have been minor revisions to the tenants in the market and business complex, but it is in accordance with what was approved previously.

Director Ramirez asked Mr. Jagers if there were any concerns. Mr. Jagers noted some revisions to total square footage but is generally the same project as it comes to water supply. He noted that the SGPWA has identified new water supply and executed deals to obtain more water. The District’s planning activities, including recycled water, show that the project’s needs should be able to be satisfied, he said.

Director Hoffman noted this would contribute to the traffic issues in the area.

President Covington noted that fees were paid for Parcel 2, the Kohl’s facility. He noted some fees paid for Parcel 1, but none for Parcel 3. Mr. Jagers indicated that District records show that Front Footage Fees were paid for the Kohl’s development in excess of what was due. Staff is resolving the remaining fees due with the credit for fees paid and not applied to the Kohl’s parcel. Facilities Fees for the new development will be due also.

The Board approved the Request for Update of “Will Serve Letter” for Previously Approved Development – Parcel Map 35266 (Parcel Nos. 1 and 3) San Gorgonio Village (Riverside County Assessor’s Parcel Nos. 419-260-057 and 419-0260-059) located in the City of Beaumont, by the following vote:

MOVED: Williams	SECONDED: Slawson	APPROVED 5-0
AYES:	Covington, Hoffman, Ramirez, Slawson, Williams	
NOES:	None.	
ABSTAIN:	None.	
ABSENT:	None.	

7. Reports For Discussion

a. Ad Hoc Committees:

San Gorgonio Pass Water Alliance: Director Slawson reported there has been no meeting, but investments are doing well.

Collaborative Agencies: President Covington reported that it was a short meeting but there was an extended conversation about the Bogart Park transfer. He said that Mr. Jaggars reported on the SGPWA water rates issue. Beaumont Unified School District said there would be no new high school for a while.

Ad Hoc Committee on Water Re-Use: Director Hoffman reported this is ongoing.

Bogart Park Ad Hoc Committee: Director Hoffman reported that the park is now under the jurisdiction of the Beaumont-Cherry Valley Recreation and Park District.

Finance and Audit Committee: Director Hoffman reported that the budget was well structured and followed closely. He expects the 2019 budget to be similar.

b. General Manager:

Mr. Jaggars reported that Finance staff submitted the District's Comprehensive Annual Financial Report (CAFR) to the GFOA and received an award of excellence.

Water recharge quantities for December, Jaggars reported, were 1,148.6 acre-feet. Overall recharge for 2018 was 12,121 acre-feet, which is well above replenishment need, and Banning recharged 500 acre-feet through the Noble Creek Recharge Facility. Jaggars answered questions posed by President Covington about the Banning recharge agreement. Covington indicated he wants to assure that BCVWD is first in line to maximize the connection for the benefit of Beaumont-Cherry Valley.

Mr. Jaggars explained that the anticipated shutdown of the East Branch Extension in December has been moved to February as the Department of Water Resources has some leaking valves to replace which requires a shutdown. Jaggars detailed the construction plans for the expansion and expects it can be done in February. He plans to request the SGPWA use its recharge facility to make the BCVWD whole as to what would have been recharged at its facility. Covington suggested the SGPWA should park the water for BCVWD then roll it into the BCVWD storage account with the Watermaster at no cost.

Jaggers continued, stating he expects upgraded recharge rates of up to 20,000-acre feet. Director Hoffman asked about SGPWA's recharge capacity; Jaggers detailed the facilities. Director Slawson asked about spillage from the Beaumont Basin, and Jaggers explained that the hydrogeologist's model shows leakage to the southeast.

Jaggers reported on production from the Beaumont Basin and Edgar Canyon. Staff has been working to maximize the Edgar Canyon production. President Covington pointed out that 12,000 acre feet was pumped from the Beaumont Basin, and 12,000 acre-feet was imported. The replenishment need is approximately 9,000, Jaggers noted. Covington requested information from the Beaumont Basin Watermaster annual report to show trends in storage.

GM Jaggers advised that chemicals being added have ceased for the winter, and staff has seen a slight decline in recharge capacity due to algae growth.

Jaggers reiterated that the SGPWA advised of the East Branch shutdown in February. In October, the SGPWA reported that the next shutdown would be in December 2019. Staff is preparing to do the usual maintenance.

Well 22 has been put back in the ground and tested. The discharge piping is still underway and site grading still needs to be done to improve drainage.

c. Directors' Reports:

Director Williams reported on the Collaborative Agencies meeting. She noted the School District would be reconfiguring the high school site to a potential K-6. They also received a grant for visual and performing arts. Beaumont PD has hired new officers, and Beaumont Library a new librarian.

Director Ramirez indicated he looks forward to the Personnel Committee meeting on Jan. 28. He requested an update on the HR consultant. He requested a process for Board members to participate with the new PR firm.

d. Legal Counsel Report: None.

8. Announcements

President Covington read the following announcements:

- Water Re-Use 2x2 Committee Meeting: January 10, 2019 at 5:00 p.m.
(Location: City of Beaumont Offices 550 E 6th St.) – **cancelled**.
Mr. Jaggers advised that the City of Beaumont has requested to move the meeting to a future date, as there is a new representative assigned. Director Hoffman noted he will be out of town from the 15th through 20th.
- District Offices will be closed Monday, January 21, 2019 in observance of Martin Luther King, Jr. Day
- Engineering Workshop: January 24, 2019 at 6:00 p.m.
- Personnel Committee Meeting: January 28, 2019 at 5:30 p.m.
- Bogart Park Ad Hoc Committee meeting: PENDING February 4, 2019 at 5:45 p.m.
- Beaumont Basin Watermaster Committee: February 6, 2019 at 10 a.m.
- Finance and Audit Committee Meeting: February 7, 2019 at 3:00 p.m.
- Regular Board meeting: February 13, 2019 at 6:00 p.m.

- District Offices will be closed Monday, February 18, 2019 in observance of Presidents' Day
- Engineering Workshop: February 28, 2019 at 6:00 p.m.
- Collaborative Agencies Committee meeting: March 6, 2019 at 5:00 p.m.
(Location: Beaumont-Cherry Valley Recreation and Park District – Noble Creek Community Center, 390 W. Oak Valley Pkwy)

9. Action List for Future Meetings

- Proposition 1 Bond Opportunities
- Proposition 68
- Water supply for BCVWD and the region

10. Recessed to Closed Session: 7:10 p.m.

- PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Pursuant to Government Code Section 54947
Title: General Manager

Reconvene in Open Session: 7:45 p.m.

Report on Action Taken During Closed Session:

There was no reportable action taken.

11. Adjournment: 7:45 p.m.

ATTEST:

DRAFT UNTIL APPROVED

DRAFT UNTIL APPROVED

Director John Covington, President
to the Board of Directors of the
Beaumont-Cherry Valley Water District

Director Daniel Slawson, Vice President
to the Board of Directors of the
Beaumont-Cherry Valley Water District



**BEAUMONT-CHERRY VALLEY WATER DISTRICT
MINUTES OF REGULAR MEETING – ENGINEERING WORKSHOP
OF THE BOARD OF DIRECTORS
560 Magnolia Avenue, Beaumont, CA 92223
Thursday, January 24, 2019 at 6:00 p.m.**

Call to Order: President Covington

President Covington began the meeting at 6:02 p.m.

Director Williams led the Pledge of Allegiance

Invocation was given by Vice President Slawson

Roll Call:

Directors present:	Covington, Hoffman, Ramirez, Slawson, Williams
Directors absent:	None
Staff present:	General Manager Dan Jagers, Director of Finance and Administrative Services Yolanda Rodriguez, Assistant Director of Operations James Bean, Senior Engineer Mark Swanson, Accountant III Lorena Lopez, Senior Accountant Sylvia Molina, Administrative Assistant Erica Gonzales

Members of the public who registered their attendance: Fran Flanders, Dr. Blair Ball.

Public Comment: None.

ACTION ITEMS

1. Acknowledge receipt of the Certificate of Achievement for Excellence in Financial Reporting from the Government Finance Officers Association for BCVWD's 2017 Comprehensive Annual Financial Report

Director of Finance and Administrative Services Yolanda Rodriguez explained and presented the District's Certificate of Achievement, and acknowledged the District's accounting team: Lorena Lopez, Sylvia Molina, William Clayton and Sally Hernandez. President Covington requested staff to return for a photo with the Board once the anticipated plaque is received.

President Covington introduced Jeff Davis, General Manager of the San Geronio Pass Water Agency and reordered agenda item 6.

6. Discussion regarding the SGPWA and Sites Project Authority 2019 Reservoir Project (Phase 2 Participation Agreement), Associated 2019 and Ongoing Costs and Presentation by Jeff Davis, General Manager of the San Geronio Pass Water Agency

Mr. Davis explained that the deadline is near for a decision on participating in the Sites Reservoir Project Phase 2 to continue for the 2019 year beginning April 1. The SGPWA Board, he reported, voted this week to continue to participate at the full 10,000 acre-foot level and in the event that BCVWD did not choose to participate at its 4,000 acre-foot level, the SGPWA would pick up the cost through 2019.

Mr. Davis shared a PowerPoint presentation and explained the Sites project and some changes made in 2018. He advised that some federal and State funding has been received, and the cost per acre-foot is \$60 for 2019. Phase 2 consists of obtaining permits.

President Covington asked about operations and maintenance costs. Mr. Davis indicated it would be much smaller than the capital costs.

Financing for 2019 will be on an all-cash, pay-as-you-go basis, explained Mr. Davis. Starting next year, borrowing will begin and it is expected participants will be paying an interest-only line of credit which will add approximately \$24 to the \$60 per acre-foot being paid this year. In 2022, another estimated \$18 will be added. There are still no guarantees, he warned, that the project would be built.

SGPWA, he continued, is considering funding strategies including rates, ad valorem tax (if available), and a capacity fee.

Director Williams asked about decision-making on water releases, reservoir expected yield, the formula for the SGPWA capacity fee, and whether an agency that opts out now, might opt back in later. Davis indicated this had not been considered, however it may be flexible given that the yield is not fully subscribed.

General Manager Jagers advised the Board that a decision must be made and a check for \$240,000 submitted to the SGPWA by Feb. 15, 2019 if the District is to participate in Phase 2.

Director Ramirez expressed concern about added costs to current ratepayers before looking at developers, and encouraged the Board members to consider how to pay for the added supply. He pointed out that it is the growth primarily driving the need for new water supply, and new development should pay those costs. President Covington concurred.

Director Hoffman indicated he did not like the concept of an interest-only payment, he prefers to reduce principal. He also noted that the area is growing, and there will be more houses with additional water demand. He also pointed out an example of new residents purchasing existing properties, and noted they would not be paying the burden as paid by new development.

Vice President Slawson asked Mr. Davis whether the Reservoir Committee was leaning toward the concept of charging participants based on storage, or based on acre-feet requested. Mr. Davis said he believes both should be considered, and consultants will likely develop a recommendation on which the Committee would vote.

Director Slawson pointed out that BCVWD does not receive the supply that it was designed to get in the 1960s and this project is important. He posited that the District might consider requesting more than 4,000 acre-feet.

Mr. Jagers added that currently, the District collects \$1,225 per dwelling unit intended for purchase of Table A water, which is no longer an option. The Sites Reservoir is a long-term, dependable supply and he stated that the District should

be involved at least through the end of 2019. According to staff calculations, he estimated the cost of the 4,000 acre feet will be approximately \$2.6 million annually as the bonds move forward. Rolling the annual cost into a capacity fee at an average of 400 homes built per year, the capacity fee per unit would be \$6,500.

President Covington asked how new development would be responsible for the cost. Mr. Jagers continued. Costs would be spread across the anticipated 8,000 to 10,000 new homes when the 4,000 acre feet is delivered to the District. He pointed out that a rate would include a component to cover the cost of water lost due to environmental concerns, which affects all customers.

General Manager Jagers confirmed the need for new supply and advised that the Sites Reservoir is the best source of supply right now for the region. He pointed out that the support at the state and federal levels indicates there is strong interest in moving the project forward.

President Covington directed staff to bring back the Phase 2 Agreement at the Feb. 13 Board meeting.

Director Ramirez left the meeting at 7:43 p.m.

2. Resolution 2019-02: Authorizing Agreement with UMPQUA Bank to Participate in the California Special Districts Association Purchasing Card Program

Director of Finance and Administrative Services Yolanda Rodriguez advised the Board that the District currently participates with the California Special Districts Association Purchasing Card Program. She reported that since 2014, the District has received \$2,000 in rebates through use of the card.

The program has changed management from Bank of the West to UMPQUA Bank and staff requests continued participation in the program and Board approval of the agreement.

Director Williams asked about calculation of rebates; Ms. Rodriguez explained it is a discount rate to the bank, which is passed on to the District, paid quarterly.

The Board adopted Resolution 2019-02: Authorizing Agreement with UMPQUA Bank to Participate in the California Special Districts Association Purchasing Card Program by the following vote:

MOVED: Williams	SECONDED: Slawson	APPROVED 4-0
AYES:	Covington, Hoffman, Slawson, Williams	
NOES:	None.	
ABSTAIN:	None.	
ABSENT:	Ramirez	

3. Consideration of Award of Contract for Landscape Services to Urban Habitat Landscape Contractors for an amount not to exceed \$55,564.61

General Manager Jagers reminded the Board that staff had been authorized to move forward with a contract with Mariposa Landscape, who declined to enter into

a contract. By removing three sites (Well 23, 12th and Palm, and Well 26) from the contract, staff has been able to reach the same contract amount and requests authorization to move forward with Urban Habitat, the one other responsive bidder to the RFP.

President Covington noted that in November the Board approved \$130,000 for site maintenance. Some of that money was to go to Mariposa, some to California Conservation Corps, and some to Cal Fire. He said he is not for removing facilities that are in dire need in order to save a few dollars. He said he prefers to have the sites included and bring that number back to the Board.

Assistant Director of Operations James Bean advised that the intent was not to cut any of the three sites out completely, but staff believes without them, the contract can be awarded to Urban Habitat. The three sites would be addressed by CCC or Cal Fire within the original \$130,000 approved. Vice President Slawson asked if all sites would be maintained; Mr. Bean said they would.

Discussion ensued. General Manager Jagers suggested leaving it open-ended with Urban Habitat while staff determines if the CCC is effective. If not, the three sites would be brought back for separate authorization.

The Board approved Award of Contract for Landscape Services to Urban Habitat Landscape Contractors for an amount not to exceed \$55,564.61 by the following vote:

MOVED: Slawson	SECONDED: Hoffman	APPROVED 4-0
AYES:	Covington, Hoffman, Slawson, Williams	
NOES:	None.	
ABSTAIN:	None.	
ABSENT:	Ramirez	

4. Consideration of Renewal of Contract with Wells Fargo for Banking Services

Ms. Rodriguez indicated that Wells Fargo has requested an extension of two years based on best practices recommended by the California Society of Municipal Finance Officers. Staff is comfortable with the services provided by Wells Fargo and requests approval for two years, followed by going out to bid in 2021.

Director Hoffman said the highlights of the contract appear to be a good way to go at this point.

The Board approved the Renewal of Contract with Wells Fargo for Banking Services by the following vote:

MOVED: Hoffman	SECONDED: Williams	APPROVED 4-0
AYES:	Covington, Hoffman, Slawson, Williams	
NOES:	None.	
ABSTAIN:	None.	
ABSENT:	Ramirez	

5. Consideration of Proposed new alignment for existing water line through 9087 Avenida Miravilla (formerly known as 401-190-035, 401-190-034 and 401-190-033 located on Nonie Court) in the Community of Cherry Valley

Director Hoffman recused himself from the discussion and left the meeting room at 8:03 p.m.

Mr. Jagers reminded the Board options for this property were discussed at a previous workshop.

The property owner purchased three lots that had been subdivided, and has merged the parcels back together. He has requested service from the District. Each option identified by staff has issues. Staff presents here the best-case scenario resulting in the least impact to facilities for consideration.

Senior Engineer Mark Swanson advised the Board that the District has provided the property owner with the original conditions. Four earlier proposed solutions were deemed too cost prohibitive. Staff explained pressure issues with alternatives then described the potential option of realignment of an existing 4" water line to a more suitable location along a fence line. It serves two properties in addition to the applicant's.

Staff has advised the property owner that the line does not provide fire flow and he will require a storage tank.

Realignment of the line makes it easier for staff to access and replaces an aged line. Staff further recommends replacement of the remaining aged line to the south.

Staff has confirmed with the County that pipeline realignment, plus operation and maintenance of the line is acceptable within this area of the Multiple Species Habitat Conservation Plan.

Staff noted this solution does not fall in line with the District's master plan for the area. GM Jagers added that this alignment is based on field observations and is recommended off Miravilla due to some oak trees along the property frontage and along Miravilla. The District does not want to damage the roots of any oak trees. Also of note, Jagers said, this line is one of the District's worst for leaks. The property owner would bear the cost of the alignment on his property.

Mr. Jagers advised that with Board concurrence, a Will Serve Letter will be presented at the next meeting.

President Covington called a recess at 8:18 p.m.

The Board reconvened at 8:21 with Director Hoffman in attendance.

6. Discussion regarding the SGPWA and Sites Project Authority 2019 Reservoir Project (Phase 2 Participation Agreement), Associated 2019 and Ongoing Costs and Presentation by Jeff Davis, General Manager of the San Geronio Pass Water Agency

This item was discussed earlier in the meeting.

7. Discussion regarding the Water Supply Assessment for Hidden Canyon Industrial Park

General Manager Jagers advised the Board of the project background and prior iterations. In response to Director Hoffman, Jagers confirmed that staff has not been able to find a previous Will Serve Letter, however part of the LAFCO annexation process would be a Resolution by the District to bring the property into the service area boundary.

In order to move forward at the next meeting, Board direction is required.

By 2011, the project had changed from a 573 single-family residential development to a 2.8 million square foot warehousing activity consisting of two buildings, which triggered the need for a Water Supply Assessment (WSA). The District has worked with the property owner to create the WSA and staff believes the development will require 59 acre-feet, or approximately 90.8 dwelling units.

Director Hoffman asked about water delivery via the line going across the freeway. Mr. Jagers said the developer has pre-funded and installation of three 24" water lines has actually already begun along Potrero Boulevard and across San Timoteo Creek. The developer worked with the City to get the water lines in the bridge and the District has provided inspections to assure the work meets District standards.

Vice President Slawson commented positively on the reduction in water need. President Covington said he also noticed the difference in commercial versus residential demand.

Via consensus, the Board directed staff to bring back the revised WSL for approval at a future meeting.

8. Discussion regarding the Beaumont Basin Watermaster Accounting of Recharge and Storage Levels and City of Banning Extractions from Beaumont Basin through Well 25

Mr. Jagers introduced the item requested by President Covington. He explained the Beaumont Basin adjudication and the authority of the Watermaster. A stipulated judgment was reached, requiring management of the basin and overlies (owners of water rights) and appropriators (water retailers) were identified and allocations made.

Every ten years, Jagers explained, the Watermaster must re-evaluate the safe yield of the basin. The last evaluation was done in 2013 and determined the new safe yield of 6,700 acre-feet, which was assigned to the overlies. The remainder not pumped by overlies goes into a pool, which is subdivided and sent back to the appropriators as ability to use. Appropriator rights are allocated as a share of the safe yield.

General Manager Jagers pointed to the 2017 Beaumont Basin Watermaster Consolidated Annual Report and Engineering Report. The BCVWD's recharge activities are apparent on the graph showing water elevation comparisons year over year, he said. Jagers pointed to other elevations and explained water flow through the basin, leakage from the basin and operations practices to manage the retention of water.

President Covington noted the Watermaster Annual Reports continue to include the data from the inception of the adjudication. Although the report gets longer, he said, it is still a great tool. Mr. Jagers pointed out that in 2007, the annual production of BCVWD was 11,383 acre-feet and moving into the economic decline, production lowered. Some of that, he explained, is related to a decrease in construction activities taking place and less over watering of landscaping on new homes. Now, production is back up to approximately 11,000 acre-feet, but with a significant number of added houses. Data can be used to identify trends, and do correlation and analysis, he explained.

The Watermaster also analyzes supplemental recharge, Jagers added. He predicted that the next re-evaluation of safe yield will reduce the number to a range of 5,800 to 6,100 acre-feet, due to some underflow reporting from SGPWA's recharge activities in previous reports.

Jagers reviewed production numbers and explained allocation of unused production to appropriators. In 2017, BCVWD started with 27,565 acre-feet in its storage account. The District pumped 11,650, received 2,700 in overlier production reallocation, and recharged 13,590 resulting in 29.9 acre-feet in its storage account. He pointed to total basin storage of 109,165 acre-feet. Each entity has a storage account, and there are more storage accounts than potential storage in the basin.

During the drought, the District drew down storage from 32 or 33,000 acre-feet to 26 or 27,000. In the wet years, this has been brought back up. Water must be imported to meet continued growth. Work must be done locally and regionally to maximize local resources and sources of supply such as recycled water, stormwater capture, and increasing production outside the adjudicated basin.

President Covington noted the importance of monitoring the storage account and identifying trends. Director Hoffman asked if the Watermaster will require a minimum supply in storage. Jagers explained that the state is legislating a requirement to try to have three years of storage. He added that there will be a reduction in allocation this year that hits the BCVWD's account for the first time.

9. Discussion Regarding a New Opportunity and Options for Additional Office Space

Senior Engineer Mark Swanson reminded the Board of previous discussions and talk about having a modular building on the rear lot to accommodate staffing needs. As the District grows, workspace is running low.

One option was modification of the existing building to maximize space. Staff examined needs and determined that more offices are needed in addition to cubicles. Although cost effective, rearranging did not fulfill the needs. The modular building purchase option was also considered and 2018 units are still available. Mr. Swanson pointed out that a ramp for ADA accessibility and fencing the area would be required at a cost in the range of \$80,000-plus. There is also increased traffic due to a new business.

A third option recently became known, Swanson explained. There is a nearby commercial suite on 6th Street for rent at 1,662 square feet \$1.25 per square foot.

The facility is larger than a modular. Staff is investigating tenant improvements and ADA accessibility. President Covington asked if the building would include public access or just staff. Mr. Jagers indicated the initial thought was to move the Engineering Department there. Any meetings with the public could be held at the main office, or a conference area would be created at the new location. Any public access would likely be by appointment, not open to the general public.

Director Hoffman asked about common ground. Mr. Swanson explained the owner covers that in common area maintenance (CAM). Director Hoffman posited this would be an opportunity to see how it works out without too much investment. Mr. Swanson presented comparisons of all options over a five-year period. Costs vary between \$237,000 and \$186,000.

President Covington asked about the sewer connection requirement for the modular building and Edison connection. Mr. Swanson explained that the City requires a sewer reconnection; Mr. Jagers noted these fees might be able to be negotiated away based on existing service. Edison serves per parcel so would require new service.

Director Hoffman and President Covington offered comments on lease terms and owner / tenant responsibilities. Staff will gather more information and present an update at the next meeting.

10. Notification of Intention to proceed - Redundant SAN Project / Server Replacement Project

Mr. Jagers advised this is an IT improvement / Capital Improvement Project of \$50,000 overseen by the IT Manager.

11. Discussion Regarding 2019 AB 1234 Ethics Training Requirements and Options for Fulfillment

Erica Gonzales, Administrative Assistant explained the requirements for training for management and Board every two years. BCVWD usually attends a free seminar at Yucaipa Valley Water District. This year, the seminar fell on the regular Board meeting night. Other options include online through ACWA/JPIA or CSDA, or District's legal counsel can do a presentation.

Consensus was for online training. Director Williams advised she completed her requirements at the ACWA conference. Ms. Gonzales will send the appropriate links to the Board members.

12. Update: Legislative Action and Issues Affecting BCVWD

President Covington tabled this item to a future meeting.

13. Status Update regarding Well 26

Assistant Director of Operations James Bean advised the Board of activities at Well 26. Staff noticed a reduction in pumping capacity last March, indicative of pumping unit failure. In April, the Board awarded the repair and rehabilitation contract to Legend Pump and Well. The facility went back online in July.

On Monday, January 14, there was an alarm at the site and a short was discovered in the motor. The motor has been taken to the electrician for warranty repair work.

In response to Director Hoffman, Mr. Bean noted it is a 400 hp motor. Director Slawson asked if there was a loaner that could be used in the interim; there is not, Mr. Bean answered.

14. Topics for Future Meetings

President Covington tabled this item.

15. Announcements

President Covington advised of the rate discussion agendized for the San Gorgonio Pass Water Agency Budget and Finance Committee Meeting at 1:30 p.m. on January 28 and read the following announcements:

- Personnel Committee Meeting: January 28, 2019 at 5:30 p.m.
- Bogart Park Ad Hoc Committee meeting: PENDING February 4, 2019 at 5:45 p.m.
- Beaumont Basin Watermaster Committee: February 6, 2019 at 10 a.m.
- Finance and Audit Committee Meeting: February 7, 2019 at 3:00 p.m.
- Regular Board meeting: February 13, 2019 at 6:00 p.m.
- District Offices will be closed Monday, February 18, 2019 in observance of Presidents' Day
- Engineering Workshop: February 28, 2019 at 6:00 p.m.
- Collaborative Agencies Committee meeting: March 6, 2019 at 5:00 p.m.
(Location: Beaumont-Cherry Valley Recreation and Park District – Noble Creek Community Center, 390 W. Oak Valley Pkwy)

16. Recessed to Closed Session: 8:12 p.m.

- a. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Pursuant to Government Code Section 54947
Title: General Manager

President Covington tabled this item to the February 13, 2019 meeting.

17. Adjournment

President Covington adjourned the meeting at 9:26 p.m.

ATTEST:

DRAFT UNTIL APPROVED

DRAFT UNTIL APPROVED

Director John Covington, President
to the Board of Directors of the
Beaumont-Cherry Valley Water District

Director Andy Ramirez, Secretary
to the Board of Directors of the
Beaumont-Cherry Valley Water District



**Beaumont-Cherry Valley Water District
Regular Board Meeting
February 13, 2018**

Item 3

STAFF REPORT

TO: Board of Directors
FROM: Dan Jagers, General Manager
SUBJECT: **Consideration of Sites Reservoir Phase 2 Agreement and Authorization of Related Expenditure for 2019 Participation, Not-To-Exceed \$267,790.50**

Staff Recommendation

Authorize the General Manager to:

1. Execute the Sites Reservoir Project Participation in Phase 2 Reservoir Project Agreement (attached) between the San Geronio Pass Water Agency (SGPWA) and Beaumont-Cherry Valley Water District (District) for the District's 4,000 acre foot (AF) share and participation in SGPWA's 2019 Phase 2 participation of the Sites Reservoir project participation;
2. Authorize expenditures not-to-exceed \$240,000 for 2019 Phase 2 Participation to fund the District's Sites Reservoir project share consisting of 4,000 AF of SGPWA's 14,000 AF; and
3. Authorize expenditures not-to-exceed \$27,790.50 for the conversion of 1,146 AF of Class 2 water to Class 1 water as stated in the attached January 11, 2019 letter from the SGPWA.

Background

The Sites Reservoir is a 1.3 to 1.8 million acre-foot storage facility located in northern California expected to be constructed and online in 2032.

Participation in the Sites Reservoir Project has been under consideration by the District since July 2016. The District joined Phase 1 of the project with a request for 4,000 AF of water via SGPWA on May 18, 2017, and at the January 24, 2019 District Engineering Workshop, discussed participation in Phase 2 at a cost of \$240,000 for 2019, due and payable on February 15, 2019. The SGPWA Board has authorized their staff to continue participation in the Phase 2 Project component.

At the District's Engineering Workshop on January 24, 2019, the Board heard a presentation by Mr. Jeff Davis, General Manager of SGPWA, regarding Phase 2 of the project, estimated costs, and variables. After Board discussion, President Covington directed staff to bring back the Phase 2 Agreement at the February 13, 2019 meeting for consideration.

When the District executed the Sites Reservoir Participation in Phase 1 Reservoir Project Agreement, the District requested all of the District's 4,000 AF share to be of Class 1 water, which was defined as 50 percent of the expected annualized yield of water from the Sites Reservoir that would be allocated to Project Members. This request was rejected and a counter offer made for 56.9 percent of the District's share to be Class 1 water, at a rate not to exceed \$60/AF, and 43.1 percent to be Class 2, at a rate not to exceed \$30/AF, which correlates with SGPWA percentages.



Class 2 water is defined as some of the remaining 50 percent of the annualized yield of water which could become available for non-Proposition 1 uses if Proposition 1 does not fully fund the project.

As the Project has progressed and participation has changed, all of Class 2 water has been converted to Class 1 water. Because of this conversion, SGPWA is requesting payment for the conversion of 1,146 AF of water to Class 1 from Class 2 at a rate of \$24.25/AF or \$27,790.50 which will be invoiced in the first quarter of 2019.

Summary

At the District's January 24, 2019 Engineering Workshop, District Staff advised the Board that with anticipated housing growth within the District's service area and the region, and the identified water supply, the additional water is necessary. District Staff recommended proceeding with the Sites Reservoir participation through 2019.

Various concerns were brought before the Board during the January 24, 2019 BCVWD Engineering Workshop and are noted in said Workshop's Staff Report. Said concerns have been addressed through further discussions and a Sites Reservoir Project Participation Phase 2 Reservoir Project Agreement (attached), drafted by SGPWA Legal Counsel, and approved by the SGPWA Board of Directors at the January 22, 2019 SGPWA Regular Board meeting.

Fiscal Impact

The fiscal impact to the District to participate in the Sites Project Authority 2019 Reservoir Project Agreement will be \$240,000 for the April 1, 2019 through December 31, 2019 period and \$27,790.50 for the Conversion of 1146 AF from Class 2 to Class 1 water, and will be paid with Facilities Fees.

Attachments

1. Sites Project Authority 2019 Reservoir Project Agreement dated as of April 1, 2019 by and among Sites Project Authority and the Project Agreement Members Listed Herein
2. Sites Reservoir Project Participation in Phase I Reservoir Project Agreement
3. January 11, 2019 SGPWA Letter – Sites Reservoir Project ("Project") Participation in Phase 2 Reservoir Project Agreement ("Phase 2") Cost Share Payment Due by Beaumont Cherry Valley Water District ("District") (Corrected)
4. Sites Reservoir Project Participation in Phase 2 Reservoir Project Agreement

Staff Report prepared by Lynda Kerney, Administrative Assistant and Erica Gonzales, Administrative Assistant

SITES PROJECT AUTHORITY

2019 RESERVOIR PROJECT AGREEMENT

DATED AS OF ~~APRIL~~ 1, 2019

BY AND AMONG

SITES PROJECT AUTHORITY

AND

THE PROJECT AGREEMENT MEMBERS LISTED HEREIN

TABLE OF CONTENTS

Section 1 Definitions..... 2

Section 2 Purpose..... 3

Section 3 Reservoir Project Committee..... 3

Section 4 Funding 5

Section 5 Participation Percentages 6

Section 6 Future Development of the Sites Reservoir Project..... 6

Section 7 Indemnity and Contribution..... 7

Section 8 Term..... 7

Section 9 Withdrawal From Further Participation..... 7

Section 10 Admission of New Project Agreement Members 8

Section 11 Amendments 8

Section 12 Assignment; Binding on Successors 8

Section 13 Counterparts..... 8

Section 14 Merger of Prior Agreements 8

Section 15 Severability 9

Section 16 Choice of Law..... 9

Section 17 Notices 9

EXHIBIT A PROJECT AGREEMENT MEMBERS A-1

EXHIBIT B 2019 WORK PLAN..... B-1

EXHIBIT C NOTIFICATIONS C-1

THIS 2019 RESERVOIR PROJECT AGREEMENT is made effective as of April 1, 2019, by and among (a) the Sites Project Authority (the “Authority”) and (b) certain Members and/or Non-Member Participating Parties, listed on the attached **Exhibit A** and is made with reference to the following facts:

RECITALS

A. Various public agencies in the Sacramento River Watershed created the Authority in 2010. Various public agencies in the Sacramento River Watershed, including certain Project Agreement Members, previously entered into the Fourth Amended and Restated Sites Project Authority Joint Exercise of Powers Agreement, dated November 21, 2016, pursuant to which they are developing the Sites Reservoir Project, which is contained in the CalFed Bay-Delta program Programmatic Record of Decision, August 28, 2000. The Joint Powers Agreement provides a mechanism for “Project Agreements” (as defined in the Joint Powers Agreement) to undertake specific work activities for the development of the Sites Reservoir Project. On ~~August 20,~~ **September 17,** 2018, the Authority’s Board of Directors also adopted Bylaws for Phase 2 of the Sites Reservoir Project, which also address Project Agreements and their management through Reservoir Project Committees.

B. On April 11, 2016, certain Authority Members of the Authority entered into the PHASE 1 RESERVOIR PROJECT AGREEMENT which was amended and restated as of November 21, 2016.

C. The Authority and certain Project Agreement Members have undertaken a process to negotiate a 2019 Reservoir Project Agreement to undertake specific work activities.

D. The Project Agreement Members wish to continue development of the Project pursuant to a Work Plan approved by the Authority on _____, **November 19,** 2018 and the Reservoir Project Committee on _____, **November 16,** 2018 and a summary of which is described in **Exhibit B** attached hereto. The Project will be undertaken in the name of the Authority and in accordance with the Authority’s stated Mission as set forth in the fourth Recital of the Joint Powers Agreement. The Project Agreement Members are entering into this Project Agreement to satisfy the requirements of Article VI of the Joint Powers Agreement.

E. All members of the Authority have also been given the opportunity to enter into this Project Agreement. The form of this Project Agreement was determined to be consistent with the Joint Powers Agreement and the Bylaws and approved by the Authority’s Board of Directors on ~~August 20,~~ **September 17,** 2018.

F. The Authority and the Project Agreement Members acknowledge that one of the Authority’s goals, in addition to providing environmental benefits, is to develop and make both a water supply and storage capacity available to water purveyors and landowners within the Sacramento River watershed, and in other areas of California, who are willing to purchase either or both a water supply and storage capacity from the Sites Reservoir Project, and that the Project Agreement Members should have a preference to the water supply or storage capacity.

G. The Authority and the Project Agreement Members acknowledge that the approval and execution of this Project Agreement does not commit the Authority, the Project Agreement Members or any other party to any definite course of action regarding the Sites Reservoir Project. As set forth in Section 6(a) of this Project Agreement, there are no assurances that the Sites Reservoir Project will be

constructed. One of the prerequisites that would need to be fulfilled before the Sites Reservoir Project could be constructed is the completion of environmental review under the California Environmental Quality Act (“CEQA”). As part of this environmental review, the Authority, as the lead agency that is conducting the review, reserves all of its rights, responsibilities, obligations, powers, and discretion under the provisions of CEQA to: (i) evaluate the environmental impacts of the Sites Reservoir Project; (ii) deny and disapprove the Sites Reservoir Project if the environmental review reveals significant environmental impacts that cannot feasibly be mitigated; (iii) adopt feasible mitigation measures and/or an alternative to the Sites Reservoir Project to avoid or lessen significant environmental impacts; or (iv) determine that any significant environmental impacts that cannot feasibly be mitigated are outweighed by the economic, social or other benefits of the Sites Reservoir Project.

AGREEMENT

THEREFORE, in consideration of the facts recited above and of the covenants, terms and conditions set forth herein, the parties agree as follows:

Section 1 Definitions

“Authority” means the Sites Project Authority, a joint exercise of powers agency created pursuant to the Joint Powers Agreement.

“Authority Members” means the members of the Authority executing the Joint Powers Agreement, as such members may change from time-to-time in accordance with Section 3.3, Section 7.12 and Section 7.2 of the Joint Power Agreement.

“Board” means the Board of Directors of the Authority.

“Bylaws” means the Bylaws for Phase 2 of the Sites Reservoir Project adopted by the Authority on ~~August 20,~~ September 17, 2018, as such Bylaws may be amended or supplemented from time-to-time in accordance therewith.

“Committee” means the Reservoir Project Committee described in Section 3 of this Project Agreement.

“Fiscal Year” means the fiscal year of the Authority, which currently begins on January 1 of each calendar year and ends on December 31 of each calendar year, or such other twelve month period which may be designated by the Authority as its Fiscal Year.

“Joint Power Agreement” means the Fourth Amended and Restated Sites Project Authority Joint Exercise of Powers Agreement, dated November 21, 2016, as such agreement may be amended or supplemented from time-to-time in accordance therewith.

“Law” means Articles 1 through 4 (commencing with Section 6500), Chapter 5, Division 7, Title 1 of the California Government Code, as amended or supplemented from time-to-time.

“Material Change Item” shall have the meaning ascribed thereto in the Bylaws.

“Participation Percentage” means the Participation Percentages as set forth in **Exhibit A** hereto, as such Participation Percentages may be modified in accordance herewith.

“2019 Budget” means the 2019 Budget approved by the Committee on _____, **November 16,** 2018 and the Authority on _____, **November 19,** 2018, as such 2019 Budget may be amended or supplemented from time-to-time in accordance with the Joint Powers Agreement, this Project Agreement and the Bylaws.

“Project” or “Sites Reservoir Project” means the Sites Reservoir Project as described in **Exhibit B** hereto, as modified from time-to-time in accordance therewith.

“Project Agreement” means this Project Agreement, dated as of [April] 1, 2019, by and among the Authority and the Project Agreement Members listed on **Exhibit A** from time-to-time, as such Project Agreement may be amended or supplemented from time-to-time in accordance herewith.

“Project Agreement Members” means (a) the Authority Members listed in the attached **Exhibit A**, (b) the Non-Member Participating Parties listed in the attached **Exhibit A** and (c) additional Authority Members or Non-Member Participating Parties who execute this Project Agreement from time-to-time pursuant to Section 10 hereof.

“Work Plan” means the activities described in **Exhibit B** hereto as such description may be amended or supplemented from time-to-time.

Section 2 **Purpose**

The purpose of this Project Agreement is to permit the Authority and the Project Agreement Members to continue development of the Project in the name of the Authority consistent with the Joint Powers Agreement. The activities undertaken to carry out the purposes of this Project Agreement shall be those, and only those, authorized by the Authority and the Committee in accordance with this Project Agreement, the Joint Powers Agreement and the Bylaws. Without limiting in any way the scope of the activities that may be undertaken under this Project Agreement, such activities shall include funding the Authority’s costs undertaken to carry out the directions of the Committee. Notwithstanding any other provision of this Project Agreement, no activity undertaken pursuant to this Project Agreement shall conflict with the terms of the Joint Powers Agreement or the Bylaws, nor shall this Project Agreement be construed in any way as creating an entity or combination of entities that is separate and apart from the Authority.

Section 3 **Reservoir Project Committee**

(a) **Committee Membership.** The business of the Project Agreement Members under this Project Agreement shall be conducted by a Committee consisting of one member appointed by each Project Agreement Member. Appointment of each member of the Committee shall be by action of the governing body of the Project Agreement Member appointing such member, and shall be effective upon the appointment date as communicated in writing to the Authority. Project Agreement Members may also appoint one or more alternate Committee members, which alternate(s) shall assume the duties of the Committee member in case of absence or unavailability of such member. Project Agreement Members may also appoint an alternate Committee member from a different Project Agreement Member for convenience in attending Committee meetings, who may cast votes for such Project Committee Members, provided that no person shall represent more than five other Project

Committee Members and more than 20% of the weighted vote as provided in Subsection 3(g) at any given meeting; provided however, that if the appointing Project Committee Member is an officer of the Committee, the appointed alternate Committee member shall not assume the capacity of such officer position. In order to serve as an alternate Committee member, a written evidence of such designation shall be filed with the Committee Secretary. Each member and alternate member shall serve on the Committee from the date of appointment by the governing body of the Project Agreement Member he/she represents and at the pleasure of such governing body.

(b) Officers. The Committee shall select from among its members a Chairperson, who shall annually act as presiding officer, and a Vice Chairperson, to serve in the absence of the Chairperson. There also shall be selected a Secretary, who may, but need not be, a member of the Committee and a Treasurer. All elected officers shall be elected and remain in office at the pleasure of the Committee, upon the affirmative vote of at least a majority of the total weighted vote as provided at Subsection 3(g);

(c) Treasurer. The Authority Treasurer shall serve as the Committee's Treasurer and shall act as the Committee's liaison to the Authority's General Manager and Authority Board on financial matters affecting the Committee. The Treasurer shall prepare and provide regular financial reports to the Committee as determined by the Committee. The Treasurer shall not be required to be a member of the Board of Directors of the Authority.

(d) General Manager. The Authority's General Manager shall (1) serve as the Project Director responsible for advancing the Sites Reservoir Project, (2) be a non-voting member of the Committee, (3) ensure coordination of activities between the Authority and Committee, (4) convene, on an as needed basis, legal representatives from the Project Agreement Members and Authority Members to advise the General Manager on legal matters that will be reported to the Committee and Authority on a timely basis, and (5) coordinate the activities between the Committee and both the United States Bureau of Reclamation and Department of Water Resources.

(e) Meetings. The Chairperson of the Committee or a majority of a quorum of the members of the Committee are authorized to call meetings of the Committee as necessary and appropriate to conduct its business under this Project Agreement. All such meetings shall be open to the public and subject to the requirements set forth in the Ralph M. Brown Act (Government Code Sections 54950 et seq.).

(f) Quorum. A majority of the Committee members based on the weighted vote provided in Subsection 3(g) shall constitute a quorum of the Committee.

(g) Voting. Notwithstanding any provisions of the Bylaws that might be construed otherwise, for purposes of this Project Agreement, the voting rights of each Project Agreement Member shall be determined as follows:

(i) an equal number of voting shares for each Project Agreement Member as defined in **Exhibit A**, that being for each Project Agreement Member, 1 divided by the total number of Project Agreement Members, multiplied by 50%; plus

(ii) an additional number of voting shares for each Project Agreement Member equal to its respective Participation Percentage described in **Exhibit A**, multiplied by ~~50%~~, **50**, using the version of **Exhibit A** in effect at the time the Committee votes.

The resulting weighted total of all voting shares shall equal 100. An Example of this weighted voting incorporating the formulas for determining participating percentages is attached at **Exhibit A**.

(h) Decision-making Thresholds. In accordance with Section ~~5.75.8~~ of the Bylaws, for purposes of this Project Agreement, approval by the Committee for material and non-material changes shall be as follows: for actions other than Material Change Items, action of the Committee shall be taken upon the affirmative vote of at least a majority of the total weighted vote as provided in Subsection 3(g); for Material Change Items, action shall be taken upon the affirmative vote of at least 75% of the total weighted vote as provided at Subsection 3(g).

(i) Delegation of Authority/Powers and Limitations Thereon. Subject to the direction of the governing bodies of the Project Agreement Members, the Committee shall undertake all actions necessary for carrying out this Project Agreement, including but not limited to setting policy for the Project Agreement Members acting under this Project Agreement with respect to the Project; recommending actions to be undertaken in the name of the Authority under this Project Agreement; determining the basis for calculation of the Participation Percentages for each fiscal year, and the timing required for payments of obligations hereunder; authorizing expenditure of funds collected under this Project Agreement within the parameters of the Work Plan and budget; and such other actions as shall be reasonably necessary or convenient to carry out the purposes of this Project Agreement. This Section 3(i) is subject to any and all limitations set forth in the Joint Powers Agreement and Bylaws, including but not limited to, any action that constitutes a material change as defined at Section 12.3 of the Bylaws requiring the approval of both the Committee and the Authority Board, and actions specified in Section 10 of the Bylaws which remain exclusively with the Authority Board.

Section 4 Funding

(a) Budget. The Committee shall, in cooperation with the Authority's Board, provide and approve both a Fiscal Year operating budget and reestablish a Phase 2 budget target, annually or more frequently as needed. On November 19, 2018, the Board approved the Fiscal Year 2019 operating budget. The Work Plan, including annual budget, dated November 19, 2018, is attached at Exhibit B, along with the budget approval process and requirements. The Project Agreement Members shall contribute their respective pro-rata share of the budgeted sums in accordance with Section 5 of this Project Agreement; **provided, however, that in no event shall the amount paid by a Project Agreement Member exceed \$60 per acre-foot without the approval of such Project Agreement Member.**

(b) Fiscal Responsibilities. Exhibit B specifies the Authority's requirements regarding the fiscal responsibilities of the Committee.

(c) Allocation of Project Agreement Expenses. The Project Agreement Members agree that all expenses incurred by them and/or by the Authority under this Project Agreement are the costs of the Project Agreement Members and not of the Authority or the Project Agreement Members of the Authority that do not execute this Project Agreement, and shall be paid by the Project Agreement Members; provided, however, that this Section shall not preclude the Project Agreement Members from accepting voluntary contributions and/or Authority Board's pre-approval of in-kind services from other Authority Members, or Project Agreement Members, and applying such contributions to the purposes hereof. The Project Agreement Members further agree to pay that share of any Authority costs reasonably determined by the Authority's Board to have been incurred by the Authority to

administer this Project Agreement. Before the Authority's costs of administering this Project Agreement become payable, the Authority will provide its calculation of such costs to the Committee, which will have the right to audit those costs and provide comments on the calculation to the Authority Board. The Authority Board shall consider the Committee's comments, if any, including the results of any such audit, in a public meeting before the Authority Board approves a final invoice for such costs.

Section 5 Participation Percentages

~~Each~~**Subject to Section 4(a), each** Project Agreement Member shall pay that share of costs for activities undertaken pursuant to this Project Agreement, whether undertaken in the name of the Authority or otherwise, equal to such Project Agreement Member Participation Percentage as established in this Section 5. The initial Participation Percentages of the Project Agreement Member are set forth in the attached **Exhibit A**. These initial Participation Percentages are for the purpose of establishing the Reservoir Project Agreement Members respective responsibilities for costs under this Project Agreement and other amounts contained in the approved Fiscal Year budget and Phase 2 budget target, which is defined as the "Reservoir Total" on **Exhibit B**. The Participation Percentages of each Project Agreement Member will be modified by the Committee from time to time as the result of the admission of a new Project Agreement Member to this Project Agreement or the withdrawal of a Project Agreement Member, and **Exhibit A** shall be amended to reflect all such changes. Such amended **Exhibit A** shall, upon approval by the Committee, be attached hereto and upon attachment, shall supersede all prior versions of **Exhibit A** without the requirement of further amendment of this Project Agreement.

Section 6 Future Development of the Sites Reservoir Project

(a) The Project Agreement Members acknowledge that the Sites Reservoir Project is still in the conceptual stage and there are no assurances that the Sites Reservoir Project will be constructed or that any water supplies will be developed as a result of this Project Agreement. **Exhibit B** includes a partial list of some of the risks and uncertainties that underlie the lack of assurances. The Project Agreement Members therefore recognize that they are not acquiring any interest in the Sites Reservoir Project other than their interest in the specific permitting, design, engineering and other materials that will be in the Work Plan Project as described in **Exhibit B**, and that the Project Agreement Members are not acquiring under this Project Agreement any interest in any future water supply or access to any other services from the Sites Reservoir Project except as provided hereunder.

(b) Without limiting the foregoing, any Project Agreement Member that elects to continue participating in the development, financing, and construction of the Sites Reservoir Project to the time when the Authority offers contracts for a water supply or other services, will be afforded a first right, ~~commensurate with and in proportion~~**equal** to that Project Agreement Member's ~~participation and financial contribution to the Sites Reservoir Project~~**Participation Percentage**, to contract for a share of any water supply that is developed, and for storage capacity that may be available from, the Sites Reservoir Project. In any successor phase agreements, Project Agreement Members who are parties to this Project Agreement that submitted a proposal to participate before ~~{February 15, 2019}~~**2019**, shall be granted rights to contract for a share of any water supply that is developed, and for storage capacity that may be available from the Sites Reservoir Project prior to the rights of those becoming parties to this Project Agreement after that date. The Authority and the Project Agreement Members will cooperate on the drafting of provisions in the water supply contract that will allow a Project Agreement Member or other eligible entity that commits to purchase a Sites Reservoir Project

water supply to transfer water that the entity may not need from time to time on terms and conditions acceptable to the such Project Agreement Member.

Section 7 Indemnity and Contribution

(a) Each Project Agreement Member, including Authority Members acting in their capacity as Project Agreement Members, shall indemnify, defend and hold the Authority, Authority Members and other Project Agreement Members and their directors, trustees, officers, employees, and agents harmless from and against any liability, cause of action or damage (including, without limitation, reasonable attorneys' fees) arising out of the performance of this Project Agreement multiplied by each Project Agreement Member's Participation Percentage. Notwithstanding the foregoing, to the extent any such liability is caused by the negligent or intentional act or omission of an Authority Member or a Project Agreement Member, such Authority Member or Project Agreement Member shall bear such liability.

(b) Each Project Agreement Member, including Authority Members acting in their capacity as Project Agreement Members, shall indemnify, defend and hold the Authority and the members of the Authority that do not execute this Project Agreement and their directors, trustees, officers, employees and agents harmless from and against any liabilities, costs or expenses of any kind (including, without limitation, reasonable attorney's fees) arising as a result of the activities described in or undertaken pursuant to this Project Agreement multiplied by each Project Agreement Member's Participation Percentage. All assets, rights, benefits, debts, liabilities and obligations attributable to activities undertaken under this Project Agreement shall be assets, rights, benefits, debts, liabilities and obligations solely of the Project Agreement Members in accordance with the terms hereof, and shall not be the assets, rights, benefits, debts, liabilities and obligations of the Authority or of those members of the Authority that have not executed this Project Agreement. Members of the Authority not electing to participate in the Project Agreement shall have no rights, benefits, debts, liabilities or obligations attributable to the Project Agreement.

Section 8 Term

(a) No provision of this Project Agreement shall take effect until this Project Agreement has been duly executed and delivered by the Authority and by {one} Project Agreement Member.

(b) The term of this Project Agreement shall continue until ~~the later of _____,~~
[2019, 2020] December 31, 2019, unless extended in writing by the parties hereto.

Section 9 Withdrawal From Further Participation

To withdraw from this Project Agreement, a Project Agreement Member shall give the Authority and other Project Agreement Members written notice of such withdrawal not less than 30 days prior to the withdrawal date. As of the withdrawal date, all rights of participation in this Project Agreement shall cease for the withdrawing Project Agreement Member. The financial obligation as prescribed in the Bylaws' Section ~~5.10~~5.11 in effect on the withdrawal date, shall consist of the withdrawing Member's share of the following costs: (a) payment of its share of all non-contract costs incurred prior to the date of the written notice of withdrawal, and (b) those contract costs associated with funds approved in either contract amendments or task orders that were approved prior to the date of the written notice of withdrawal for which the contractor's work extends beyond the withdrawal

date. However, a withdrawing member shall have no liability for any change order or extensions of any contractor's work that the remaining Project Agreement Members agree to after the withdrawing Member provides written notice of withdrawal. Withdrawal from this Project Agreement shall not be considered a Material Change Item and shall not be subject to the Dispute Resolution process provided for in Section ~~12.3.5~~13.3 of the Bylaws.

Section 10 Admission of New Project Agreement Members

Additional Members of the Authority and Non-Member Participating Parties may become Project Agreement Members upon (a) confirmation of compliance with the membership requirements established in the Bylaws, (b) the affirmative vote of at least 75% of the total weighted vote as provided at Subsection 3(g) of the then-current Project Agreement Members, (c) the affirmative vote of at least 75% of the total number of Directors of the Authority, and (d) upon such conditions as are fixed by such Project Agreement Members.

Section 11 Amendments

This Project Agreement may be amended only by a writing executed by the Authority and at least 75% of the total weighted vote as provided in Subsection 3(g) of the then-current Committee members.

Section 12 Assignment; Binding on Successors

Except as otherwise provided in this Project Agreement, the rights and duties of the Project Agreement Members may not be assigned or delegated without the written consent of the other Project Agreement Members and the Authority, which consent shall not be unreasonably withheld. Any attempt to assign or delegate such rights or duties in contravention of this Project Agreement shall be null and void. Project Agreement Members may assign and delegate their rights and duties under this Project Agreement to other Project Agreement Members, and they may assign, sell, trade, or exchange all or a fraction of the potential benefits (e.g. acre-feet of water supply, megawatt-hours of power) they expect to receive through their participation in this Project Agreement. Any approved assignment or delegation shall be consistent with the terms of any contracts, resolutions, indemnities and other obligations of the Authority then in effect. This Project Agreement shall inure to the benefit of, and be binding upon, the successors and assigns of the Authority and the Project Agreement Members.

Section 13 Counterparts

This Project Agreement may be executed by the Authority and each Project Agreement Member in separate counterparts, each of which when so executed and delivered shall be an original, but all such counterparts shall together constitute but one and the same instrument. Facsimile and electronic signatures shall be binding for all purposes.

Section 14 Merger of Prior Agreements

This Project Agreement and the exhibits hereto constitute the entire agreement between the parties and supersede all prior agreements and understanding between the parties relating to the subject matter hereof. This Project Agreement is intended to implement, and should be interpreted consistent with, the Joint Powers Agreement.

Section 15 **Severability**

If one or more clauses, sentences, paragraphs or provisions of this Project Agreement shall be held to be unlawful, invalid or unenforceable, the remainder of the Project Agreement shall not be affected thereby.

Section 16 **Choice of Law**

This Project Agreement shall be governed by the laws of the State of California.

Section 17 **Notices**

Notices authorized or required to be given under this Project Agreement shall be in writing and shall be deemed to have been given when mailed, postage prepaid, or delivered during working hours, to the addresses set forth **Exhibit E (“Notifications”)**, or to such other address as a Project Agreement Member may provide to the Authority and other Project Agreement Members from time to time.

IN WITNESS WHEREOF, the Authority and Project Agreement Members hereto, pursuant to resolutions duly and regularly adopted by their respective governing bodies, have caused their names to be affixed by their proper and respective officers on the date shown below:

Dated: _____

SITES PROJECT AUTHORITY

By: _____

Name:

Title:

[PROJECT AGREEMENT MEMBER]

Dated: _____

(Authority & Project Agreement Member)

By: _____

Name:

Title:

EXHIBIT A

PROJECT AGREEMENT MEMBERS

Participant	Participation (Annualized Acre-Foot)	
	Preliminary	Percent
American Canyon, City of	~4,000	1.7%
Antelope Valley-East Kern Water Agency	~500	0.2%
Carter Mutual Water Company ‡	~500	0.2%
Coachella Valley Water District	~10,000	4.3%
Colusa County	~10,000	4.3%
Colusa County Water District	~13,100	5.6%
Desert Water Agency	~6,500	2.8%
Glenn-Colusa Irrigation District	~5,000	2.1%
Metropolitan Water District of S. CA	~50,000	21.4%
Pacific Resources Mutual Water Company ‡	~20,000	8.5%
Reclamation District 108	~5,000	2.1%
San Bernardino Valley Municipal Water District	~21,400	9.1%
San Geronio Pass Water Agency	~14,000	6.0%
Santa Clara Valley Water District	24,000	10.3%
Santa Clarita Valley Water Agency	~5,000	2.1%
TC-4: Cortina Water District	~300	0.1%
TC-4: Davis Water District	~2,000	0.9%
TC-4: Dunnigan Water District	~2,774	1.2%
TC-4: LaGrande Water District	~1,000	0.4%
Westside Water District	~15,000	6.4%
Wheeler Ridge-Maricopa Water Storage District	14,000	6.0%
Zone 7 Water Agency	~10,000	4.3%
Potential new participants	TBD	%
Total:	234,074	100.0%

Participation Percentages exclude State of California and United States Bureau of Reclamation share of the Project.

NOTE: Any annualized amounts listed for Phase 2 are preliminary and are based on best estimates received after participants’ respective review of the draft financing plan and draft Phase 2 Reservoir Project Agreement. These amounts do not represent the results of any action having been taken by the participants’ respective governing body to formally execute the Phase 2 Reservoir Project Agreements. Final participation amounts will be established after interim financing terms and conditions have been provided and incorporated into the final Phase 2 Reservoir Project Agreement.

‡ Denotes a non-public agency. Refer to California Corporations Code Section 14300 et. seq. with additional requirements provided in both the Public Utilities Code and Water Code.

EXHIBIT B
2019 WORK PLAN

[TO COME FROM AUTHORITY]

2018 November 16 Reservoir Committee Meeting - Attachment A - Agenda Item 3-3

Category	(Multiple Items)
Action	(Multiple Items)
Funding Source	(Multiple Items)
Work Manager	(All)
Priority	(All)

Report: **Reservoir Committee 2019 Work Plan & Budget**
Report Date: 2018 Nov 12

Expense (-) or Revenue (+)	Cost Center	Task	Resource	Reprioritize	Proposed Budget
				Currently Approved Budget	Authority= 12 mon Res. Comm= 9 mon
				Sum of Total End of Phase 1	Sum of Total 2019
Expense	C.R. Policy			\$ -	\$ (2,067,094)
	Engagement			\$ -	\$ (135,000)
	Operations	Contingency		\$ -	\$ -
		Env Interests		\$ (44,936)	\$ (120,552)
		Exchange		\$ -	\$ (75,550)
		Modeling		\$ (325,000)	\$ (998,480)
		Op POA		\$ (59,488)	\$ (61,040)
		Staff+		\$ (69,705)	\$ (417,555)
		Storage		\$ (17,824)	\$ (136,300)
		Water Rights		\$ (29,712)	\$ (204,264)
		Water Rights+		\$ (29,712)	\$ (119,892)
	Operations Total			\$ (576,377)	\$ (2,133,633)
	Power	Grid Interconn+		\$ -	\$ (1,097,880)
		H2oPower+		\$ -	\$ (668,453)
		Staff Aug+		\$ -	\$ (632,880)
		Staff+		\$ -	\$ -
	Power Total			\$ -	\$ (2,399,213)
	Res. Comm. O	Advisory		\$ (43,200)	\$ (82,565)
		Office		\$ -	\$ (133,100)
		Participation		\$ (109,800)	\$ (210,600)
		PROCURE		\$ -	\$ (80,240)
		PROCURE-2		\$ -	\$ -
		Rebalance		\$ (8,400)	\$ (134,070)
		Staff		\$ (6,000)	\$ (1,739,573)
		Staff Aug		\$ -	\$ (4,237,495)
		Staff Aug+		\$ -	\$ (225,990)
		Staff+		\$ -	\$ -
		Support		\$ (26,925)	\$ (107,678)
		Technology		\$ (3,330)	\$ (13,280)
		USDA-1		\$ (10,000)	\$ (10,800)
		WSIP-1		\$ (51,440)	\$ (81,960)
	Res. Comm. OH Total			\$ (259,095)	\$ (7,057,351)
	Water	Dam Design		\$ -	\$ (8,776,500)
		Economics+		\$ -	\$ (329,880)
		EIR-EIS		\$ (165,000)	\$ (2,371,767)
		Field Studies		\$ (200,000)	\$ (887,876)
		Field Surveys		\$ -	\$ (91,980)
		Permit Coord		\$ (590,000)	\$ (8,095,900)
		Rights of Entry		\$ (306,000)	\$ (600,119)
	Water Total			\$ (1,261,000)	\$ (21,154,022)
Expense Total				\$ (2,096,472)	\$ (34,946,312)

Summary - Page 1 of 2

NOTE: 2019 proposed budget, which is applicable to this Agreement, was approved by the Reservoir Committee at their November 16, 2018 meeting with the Reservoir Committee's share of expenses listed on page B-2.

Expense (-) or Revenue (+)	Cost Center	Task	Resource	Reprioritize	Proposed Budget
				Currently Approved Budget	Authority= 12 mon Res. Comm= 9 mon
				Sum of Total End of Phase 1	Sum of Total 2019
Revenue	Conversion			\$ -	\$ 2,067,094
	WIIN			\$ -	\$ 8,776,500
	WSIP			\$ 821,603	\$ 10,077,760
	Res. Comm.			\$ -	\$ 14,044,440
Revenue Total				\$ 821,603	\$ 34,965,795
Grand Total				\$ (1,274,870)	\$ 19,482

Summary - Page 2 of 2

EXHIBIT C
NOTIFICATIONS

Attention: Mr. Steve Hartwig
City of American Canyon
4381 Broadway, Suite 201
American Canyon, CA 94503

Attention: Mr. Tom Charter
c/o Ms Jamie Traynham
Davis Water District
P.O. Box 83
Arbuckle, CA 95912

Attention: Mr. Dwayne Chisam
Antelope Valley-East Kern WA
6500 West Avenue N
Palmdale, CA 93551

Attention: Mr. Mark Krause
Desert Water Agency
1200 South Gene Autry Trail
Palm Springs, CA 92264

Attention: Mr. Ben Carter
Carter MWC
4245 River Road
Colusa, CA 95932

Attention: Mr. Bill Vanderwaal
Dunnigan Water District
P.O. Box 84
Dunnigan, CA 95937

Attention: Mr. Jim Barrett
Coachella Valley Water District
P.O. Box 1058
Coachella, CA 92236

Attention: Mr. Thad Bettner
Glenn-Colusa Irrigation District
P.O. Box 150
Willows, CA 95988

Attention: Ms. Wendy Tyler
Colusa County
547 Market St., Suite 102
Colusa, CA 95932

Attention: Mr. Matt LaGrande
LaGrande Water District
P.O. Box 370
Williams, CA 9598

Attention: Ms. Shelley Murphy
Colusa County Water District
P.O. Box 337
Arbuckle, CA 95912

Attention: Mr. Steve Arakawa
Metropolitan Water District of Southern
California
1121 L Street, Suite 900
Sacramento, CA 95814

Attention: Mr. Jim Peterson
Cortina Water District
P.O. Box 489,
Williams, CA 95987

Attention: Mr. Preston Brittain
Pacific Resources MWC
4831 Calloway Drive, Ste. 102
Bakersfield, CA 93312
Bakersfield, CA 93312

Attention: Mr. Bill Vanderwaal
Reclamation District 108
P.O. Box 50
Grimes, CA 95950

Attention: Mr. Dirk Marks
Santa Clarita Valley Water Agency
27234 Bouquet Canyon Road
Santa Clarita, CA 91350

Attention: Mr. Doug Headrick
San Bernardino Valley Municipal Water District
380 East Vanderbilt Way
San Bernardino, CA 92408-3593

Attention: Dan Ruiz
Westside Water District
5005 State Hwy 20
Williams, CA 95987

Attention: Mr. Jeff Davis
San Geronio Pass Water Agency
1210 Beaumont Ave,
Beaumont, CA 92223

Attention: Robert Kunde
Wheeler Ridge-Maricopa Water Storage District
12109 Highway 166
Bakersfield, CA 93313

Attention: Ms. Cindy Kao
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3686
Attention: Mr. Dirk Marks

Attention: Ms. Valerie Pryor
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 945

**AGREEMENT
SITES RESERVOIR PROJECT
PARTICIPATION IN PHASE 1 RESERVOIR PROJECT AGREEMENT**

This AGREEMENT FOR PARTICIPATION IN THE PHASE 1 RESERVOIR PROJECT AGREEMENT ("Agreement") is made as of 8-22, 2017, by and between the San Geronio Pass Water Agency, a public agency ("Agency") and the Beaumont-Cherry Valley Water District, a public agency ("District"). Agency and District are hereinafter sometimes collectively referred to as the "Parties" or individually as a "Party."

RECITALS

A. On December 21, 2015, public agencies in the Sacramento River Watershed entered in that certain Modified Third Amended and Restated Sites Project Authority Joint Exercise of Powers Agreement pursuant to which said agencies ("Members") formed the Sites Project Authority ("Authority") to develop the Sites Reservoir Project ("Project").

B. On April 16, 2016, certain Members entered into a Phase 1 Reservoir Project Agreement and invited additional Members and Non-Member Participating Parties to become part of the Phase 1 Reservoir Project Agreement. Phase 1 includes the following primary activities: (i) planning level studies related to operation of the reservoir to provide both direct and indirect water supply and water supply reliability for water users and Proposition 1, Chapter 8-defined public benefits; (ii) planning level studies related to the design and construction of the reservoir; and (iii) the potential inclusion of pumped-storage to provide renewable energy; and

C. On June 20, 2016, the Agency Board took action to submit a proposal to the Authority to become a Non-Member Participating Party through the purchase of 14,000 acre-feet ("AF") of Class 1 water. The Agency Board also took action to provide an opportunity to District to purchase 4,000 AF of the Agency's 14,000 AF requested amount; and

D. On July 27, 2016, the District Board took action to participate with the Agency in the amount of 4,000 AF as offered by the Agency but specified that it was interested in only a Class 1 level of participation; and

E. Class 1 water is defined by the Authority as 50% of the expected annualized yield that would be allocated to the Project Agreement Members. Class 1 water represents the amount of water that would not be made available for Proposition 1, Chapter 8-eligible public benefits assuming the California Water Commission elects to participate up to the maximum amount allowed by Proposition 1, Chapter 8, which is 50% of the total development costs of the Project. Class 2 water is defined by the Authority as some of the remaining 50% which could become available for non-Proposition 1, Chapter 8 uses. For Phase 1, the maximum amount of this Class 2 additional water is approximately 35% of the total. The remaining 15% is currently not available for potential non-Proposition 1, Chapter 8 uses and represents the differential amount of long-term annualized water produced should the Project be downsized from 1.8 million AF to

1.3 million AF; and

F. The Authority responded to Agency's request by way of a letter dated October 11, 2016. The Authority stated that the amount requested by all interested entities totaled 377,411 AF, of which only 250,000 AF is available until the State of California makes its decision to participate in the development of the Project, which in accordance with Chapter 8 of Proposition 1, is limited to 50% of capital costs. Therefore, the difference, which equals 127,411 AF, is deemed to be Class 2 water. As a result, the Authority was originally able to provide to Agency 7,966 AF as Class 1 water, which has a Phase 1 not-to-exceed cost of \$60/AF plus an additional 6,034 AF as Class 2 water, which has a Phase 1 not-to-exceed cost of \$30/AF. This counterproposal from the Agency is referred to as the "Agency Participation"; and

G. The Parties acknowledge that the Authority may change the volume of Class 1 water and Class 2 water to be made available ; and

H. On January 17, 2017, the Agency Board took action to enter into the Sites Project Authority's Amended And Restated Phase 1 Reservoir Project Agreement ("Project Agreement") and to make the financial commitment required for the Agency Participation under said Project Agreement. A copy of the Project Agreement is set forth in Exhibit "A" attached hereto and incorporated herein by reference; and

I. Pursuant to the Agency's previous offer to District to participate in Agency's purchase, and based on the Agency Participation, the Parties desire to enter into this Agreement in order to set forth the terms and conditions upon which the District will purchase a portion of the Agency Participation.

NOW, THEREFORE, in consideration of the mutual covenants, promises, and conditions set forth in this Agreement, and for other good, valuable, and adequate consideration, the Parties hereto agree as follows:

1. District Participation

District hereby agrees to make the following financial commitment and otherwise participate in the Agency Participation ("District Participation"). The following percentage shares shall remain in effect regardless of whether the Authority later changes the volume of Class 1 water and Class 2 water to be made available. Based on the volumes available from the Authority as of the effective date of this Agreement, the District Participation shall be deducted from the Agency Participation as follows:

- (a) Percentages By And Between The Parties
Agency – 71.429%

55397.00009\29919002.1

District – 28.571%

- (b) Current Authority Proposal and Agency Participation
 - 14,000 AF divided between Class 1 and Class 2
 - 7,966 AF of Class 1 water; Phase 1 not-to-exceed cost of \$60/AF
 - 6,034 AF of Class 2 water; Phase 1 not-to-exceed cost of \$30/AF
- (c) Agency Participation After Deducting District Participation
 - 71.429% of Class 1 water ; Phase 1 not-to-exceed cost of \$60/AF
 - 71.429% of Class 2 water; Phase 1 not-to-exceed cost of \$30/AF
- (d) District Participation After Deducting Agency Participation
 - 28.571% of Class 1 water; Phase 1 not-to-exceed cost of \$60/AF
 - 28.571% of Class 2 water; Phase 1 not-to-exceed cost of \$30/AF

2. Rights And Obligations

(a) Compliance With Project Agreement - Performance of this Agreement, and the activities of the Parties, shall be subject to the rights and obligations set forth in the Project Agreement and any other Authority rules and regulations as the same may be adopted or revised from time to time.

(b) Agency's Obligations To District - The rights and obligations of Agency to District shall be limited to the terms and conditions of this Agreement. District shall not be deemed to be a party to the Project Agreement nor otherwise have any right or entitlement under the Project Agreement. For example and not by way of limitation, District shall not have any right to participate in, or become a member of, the Reservoir Project Committee as set forth in the Project Agreement.

(c) No Representations Or Warranties – Nothing in this Agreement shall constitute a representation or warranty by Agency to District of any water rights, water supplies, allocation or any other obligation regarding the amount of water which may or may not be provided by the Authority under the Project Agreement. Agency's obligations are limited to performance of the Project Agreement as a Non-Member Participating Party and performance of this Agreement. Agency shall not be deemed to have made any commitment of a water right or water supply to District, District's customers or District's applicants for service.

3. Payment Obligations

(a) Payment Requests From Authority - Upon receipt of Phase 1 cost payment requests from the Authority, Agency shall provide a copy of said requests to District along with a cover letter setting forth the calculation of the percentage amount due and owing by District. Within thirty (30) days of the date of said cover letter, District shall submit payment to Agency for District's percentage share as set forth in this Agreement. Agency shall be responsible for

71.429% of Phase 1 costs and District shall be responsible for 28.571% of Phase 1 costs.

(b) District's Review Of Payment Requests - If District objects to any portion of said statement or calculation, it shall provide written notice to Agency of said objections within ten (10) days from the date of the Agency cover letter and the Parties shall then engage in good faith efforts to resolve such issues through informal discussions. In the event District does not submit such an objection to Agency within said 10-day period, District will be deemed to have approved said statement.

(c) Failure Or Refusal To Make Payment

(i) The Parties hereby acknowledge that Agency will be the Non-Member Participating Party contractually bound to the Project Agreement and Agency will be ultimately responsible for all Phase 1 costs in relation to the Agency Participation which includes the portion designated as the District Participation.

(ii) Therefore, in the event that District objects to a payment request or otherwise fails or refuses to make a payment, and said issues are not resolved through good faith informal discussions prior to a deadline for payment imposed by the Authority, Agency reserves the right to make the entire payment as applicable. As a result of making any such payment, Agency shall have the right to terminate this Agreement under the termination provisions set forth below. Upon said termination, District shall be deemed to have released any and all rights and obligations under this Agreement in regard to the District Participation.

4. Compliance With Legal And Regulatory Requirements

In carrying out its respective activities, each Party shall at all times be in compliance with all applicable local, state and federal laws, rules and regulations, and regulations in any manner affecting the performance of the respective activities. Each Party shall be liable to the other Party for all violations of such laws and regulations in connection with the respective activities. Each Party shall be responsible for securing, at its own expense, and paying for all permits and licenses necessary to perform their respective activities as set forth in this Agreement.

5. Effective Date

This Agreement shall be effective on the date of full execution of this Agreement by both Parties ("Effective Date").

6. Term and Termination

(a) Term The term of this Agreement shall be from the Effective Date to the date of

completion of performance of the activities under this Agreement. This Agreement shall remain in effect during the term unless earlier terminated under the following procedures:

(b) Notice and Opportunity to Cure If either Party to this Agreement believes that the other Party has failed to perform any obligation of that Party in accordance with the terms of this Agreement (“Default”), the Party alleging the Default shall provide written notice (“Default Notice”) to the other Party, setting forth the nature of the alleged Default. Unless otherwise provided by a specific term of this Agreement, the Party claimed to be in Default shall have thirty (30) days from the receipt of the Default Notice to completely cure such Default or, if such Default cannot reasonably be cured within such thirty (30) day period, to commence the cure of such Default within the thirty (30) day period and diligently prosecute the cure to completion thereafter. If the Party claimed to be in Default does not cure such Default within the time period and procedures as set forth herein, the Party alleging Default may then terminate this Agreement.

7. General Provisions

(a) Entire Agreement This Agreement is intended by the Parties as a complete and exclusive statement of the terms of their agreement and it supersedes all prior agreements, written or oral, as to this subject matter. For example, and not by way of limitation, any previous actions or correspondence from the District regarding a preference for only purchasing Class 1 water is hereby superseded by this Agreement and shall be of no further force or effect. This Agreement may be modified only upon the mutual written agreement of the Parties hereto.

(b) Notices Written notices to be given to either Party must be given by personal delivery or by registered or certified mail addressed and delivered as set forth below.

Beaumont-Cherry Valley Water District
560 Magnolia Avenue
Beaumont, CA 92223
(951) 845-9581
Attn: General Manager

San Geronio Pass Water Agency
1210 Beaumont Avenue
Beaumont, CA 92223
(951) 845-2577
Attn: General Manager

(c) Representation of Authority Each Party represents to the other that it has the authority to enter into this Agreement and that the individual signing this Agreement on behalf of their respective Parties has the authority to execute this Agreement and to bind their respective Parties to the terms and conditions of this Agreement.

(d) Incorporation of Recitals The Recitals set forth above are incorporated herein and made an operative part of this Agreement.

(e) Invalidity and Severability If any portion of this Agreement is declared invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions shall continue in full force and effect.

IN WITNESS WHEREOF, each of the Parties have caused this Agreement to be executed by its respective duly authorized officers.

SAN GORGONIO PASS WATER AGENCY

By: Jeffrey W. Davis
Title: GM

BEAUMONT-CHERRY VALLEY WATER DISTRICT

By: [Signature]
Title: _____



San Gorgonio Pass Water Agency

A California State Water Project Contractor
1210 Beaumont Avenue • Beaumont, CA 92223
Phone (951) 845-2577 • Fax (951) 845-0281

RECEIVED
JAN 14 2019

BY:

January 11, 2019

Dan Jagers, General Manager
Beaumont-Cherry Valley Water District
560 Magnolia Avenue
Beaumont, CA 92223

President:
David Fenn

Vice President:
Ronald Duncan

Treasurer:
Leonard Stephenson

Directors:
Dr. Blair M Ball
David Castaldo
Stephen Lehtonen
Michael Thompson

**General Manager
& Chief Engineer:**
Jeff Davis, PE

Legal Counsel:
Jeffry Ferre

Re: Sites Reservoir Project ("Project")
Participation in Phase 2 Reservoir Project Agreement ("Phase 2")
Cost Share Payment Due by Beaumont Cherry Valley Water District
("District") (Corrected)

Dear Dan:

Pursuant to the District's desire to participate in the San Gorgonio Pass Water Agency's ("Agency") share of 2019 Project costs, please submit payment of the following amount: \$240,000 (\$60 per AF for 4000 AF). Due to the deadline imposed on the Agency by the Project, payment from the District should be made on or before February 15, 2019. Background and an update are set forth below.

Background

Public agencies in the Sacramento River Watershed entered into the Fourth Amended and Restated Sites Project Authority Joint Exercise of Powers Agreement, dated November 21, 2016, which provides that said agencies ("Members") have formed the Sites Project Authority ("Authority") to develop the Sites Reservoir Project ("Project") and which provides for "Project Agreements" to undertake specific work activities for development of the Project.

On April 16, 2016, certain Members entered into a Phase 1 Reservoir Project Agreement and invited additional Members and Non-Member Participating Parties to become part of the Phase 1 Reservoir Project Agreement. The Agency Board took action to submit a proposal to the Authority to become a Non-Member Participating Party through the purchase of 14,000 acre-feet ("AF") of Class 1 water. The Agency Board also took action to provide an opportunity to the District to purchase 4,000 AF of the Agency's 14,000 AF requested amount.

On July 27, 2016, the District Board took action to participate with the Agency in the amount of 4,000 AF. On January 17, 2017, the Agency Board took action to enter into the Sites Project Authority's Amended and Restated Phase 1 Reservoir Project Agreement and to make the financial commitment required for Agency's participation in Phase 1. Based on the Agency's participation in Phase 1, the District agreed to purchase a portion of the Agency's participation in Phase 1.

Update

The Agency Board will consider taking action on January 22, 2019 to enter into the Sites Project Authority 2019 Reservoir Project Agreement (“2019 Agreement”) and to make the financial commitments required for the Agency’s participation in 2019. The 2019 Agreement sets forth the 2019 budget and the work plan for 2019. The pro rata share of the budget required to be paid by Members (including the Agency) is set forth in the 2019 Agreement. The 2019 Agreement will expire on December 31, 2019, unless extended in writing by the parties/Members. A copy of the 2019 Agreement, including the exhibits which explain the payment obligations, is enclosed.

For the 2019 Agreement, all Class 2 and Class 1 water requested by the Agency is maintained. Thus, the Agency has available to it all 14,000 AF requested (of which 4,000 AF was requested by the District). The 2019 cost per AF, taking into consideration outside financial contributions, is \$60 per AF. Payment of this amount will enable the Agency to continue its participation in the Project through December 31, 2019.

In addition to this \$240,000 required by February 15, the Agency will also ask the District for an additional \$24.25 per AF as a payment to convert all Class 2 water to Class 1 water. This amounts to \$27,790.50 for the 1146 AF of Class 2 water held by BCVWD. The Agency will be invoicing the District for this amount at some point in the near future, probably in the first quarter of 2019. We are not asking for these funds at this time.

The Agency looks forward to continuing this partnership with the District. The District’s timely payment of the above-mentioned \$240,000 is greatly appreciated.

Sincerely,



Jeff Davis
General Manager

Enclosure: Sites Project Authority 2019 Reservoir Project Agreement

**AGREEMENT
SITES RESERVOIR PROJECT
PARTICIPATION IN PHASE 2 RESERVOIR PROJECT AGREEMENT**

This AGREEMENT FOR PARTICIPATION IN THE PHASE 2 RESERVOIR PROJECT AGREEMENT ("Agreement") is made as of _____, 2019, by and between the San Geronio Pass Water Agency, a public agency ("Agency") and the Beaumont-Cherry Valley Water District, a public agency ("District"). Agency and District are hereinafter sometimes collectively referred to as the "Parties" or individually as a "Party."

RECITALS

A. Public agencies in the Sacramento River Watershed entered into the Fourth Amended and Restated Sites Project Authority Joint Exercise of Powers Agreement, dated November 21, 2016, which provides that said agencies ("Members") have formed the Sites Project Authority ("Authority") to develop the Sites Reservoir Project ("Project") and which provides for "Project Agreements" to undertake specific work activities for development of the Project; and

B. On April 16, 2016, certain Members entered into a Phase 1 Reservoir Project Agreement and invited additional Members and Non-Member Participating Parties to become part of the Phase 1 Reservoir Project Agreement. The Agency Board took action to submit a proposal to the Authority to become a Non-Member Participating Party through the purchase of 14,000 acre-feet ("AF") of Class 1 water. The Agency Board also took action to provide an opportunity to the District to purchase 4,000 AF of the Agency's 14,000 AF requested amount; and

C. On July 27, 2016, the District Board took action to participate with the Agency in the amount of 4,000 AF. On January 17, 2017, the Agency Board took action to enter into the Sites Project Authority's Amended And Restated Phase 1 Reservoir Project Agreement and to make the financial commitment required for Agency's participation in Phase 1. Based on the Agency's participation in Phase 1, the District agreed to purchase a portion of the Agency's participation in Phase 1 pursuant to that certain Participation In Phase 1 Reservoir Project Agreement ("Phase 1 Participation Agreement"), dated August 22, 2017, a copy of which is attached hereto as Exhibit "A" and incorporated herein by reference; and

D. On January 22, 2019, the Agency Board took action to enter into the Sites Project Authority 2019 Reservoir Project Agreement ("Phase 2 Project Agreement") and to make the financial commitments required for the Agency's participation in Phase 2. The Phase 2 Project Agreement sets forth the 2019 budget and the work plan for 2019. The pro rata share of the budget required to be paid by Members (including the Agency) is set forth in the Phase 2 Project Agreement. The Phase 2 Project Agreement will expire on December 31, 2019, unless extended in writing by the parties/Members. A copy of the Phase 2 Project Agreement, including the exhibits which explain the payment obligations, is attached hereto as Exhibit "B" and incorporated herein by reference and

E. Pursuant to the Agency's previous offer to District to participate in Agency's purchase, and based on the Agency Participation, the Parties desire to enter into this Agreement in order to set forth the terms and conditions upon which the District will purchase a portion of the Agency Participation in Phase 2.

NOW, THEREFORE, in consideration of the mutual covenants, promises, and conditions set forth in this Agreement, and for other good, valuable, and adequate consideration, the Parties hereto agree as follows:

1. District Participation

District hereby agrees to make the following financial commitment and otherwise participate in the Agency Participation in Phase 2 ("District Participation"). Consequently, the District's participation in the Agency's budget obligation is calculated as follows:

(a) Percentages

Agency – 71.429%

District – 28.571%

(b) Current Authority proposal and Agency's participation

14,000 AF – 6%

(c) Agency's participation after deducting the District's participation

71.429% of water;

(d) District's participation after deducting the Agency's participation

28.571% of water;

(e) Agency's payment obligation _____ (6% of _____)

(f) District's payment obligation _____

(28.571% of Agency payment obligation)

(Obligation contingent upon Agency entering into Phase 2 Agreement.)

2. Rights And Obligations

(a) Compliance With Project Agreement - Performance of this Agreement, and the activities of the Parties, shall be subject to the rights and obligations set forth in the Phase 2 Project Agreement and any other Authority rules and regulations as the same may be adopted or revised from time to time.

(b) Agency's Obligations To District - The rights and obligations of Agency to District shall be limited to the terms and conditions of this Agreement. District shall not be deemed to be

a party to the Phase 2 Project Agreement nor otherwise have any right or entitlement under said agreement. For example and not by way of limitation, District shall not have any right to participate in, or become a member of, the Reservoir Project Committee as set forth in the Phase 2 Project Agreement.

(c) No Representations Or Warranties – Nothing in this Agreement shall constitute a representation or warranty by Agency to District of any water rights, water supplies, allocation or any other obligation regarding the amount of water which may or may not be provided by the Authority under the Phase 2 Project Agreement. Agency's obligations are limited to performance of the Phase 2 Project Agreement as a Non-Member Participating Party and performance of this Agreement. Agency shall not be deemed to have made any commitment of a water right or water supply to District, District's customers or District's applicants for service.

3. Payment

(a) On or before February 15, 2019, the District shall submit payment to the Agency for the District's payment obligation as set forth in Section 1. Said deadline has been imposed by the Authority.

(b) The Parties hereby acknowledge that the Agency will be the Non-Member Participating Party contractually bound to the Phase 2 Project Agreement and the Agency will be ultimately responsible for all Phase 2 costs in relation to the Agency Participation in Phase 2 which includes the portion designated as the District Participation in Phase 2.

(c) Therefore, in the event that the District fails or refuses to make the payment on or before the above-mentioned deadline for payment, the Agency reserves the right to make the entire payment as applicable. As a result of making any such payment, Agency shall have the right to terminate this Agreement under the termination provisions set forth below and/or seek any legal or equitable remedies for collection. Upon said termination, District shall be deemed to have released any and all rights and obligations under this Agreement, the Phase 1 Project Agreement and the Phase 2 Project Agreement in regard to the District Participation in Phases 1 and 2.

4. Compliance With Legal And Regulatory Requirements

In carrying out its respective activities, each Party shall at all times be in compliance with all applicable local, state and federal laws, rules and regulations, and regulations in any manner affecting the performance of the respective activities. Each Party shall be liable to the other Party for all violations of such laws and regulations in connection with the respective activities. Each Party shall be responsible for securing, at its own expense, and paying for all permits and licenses necessary to perform their respective activities as set forth in this Agreement.

5. Effective Date

This Agreement shall be effective on the date of full execution of this Agreement by both Parties (“Effective Date”).

6. Term and Termination

(a) Term The term of this Agreement shall be from the Effective Date to the date of completion of performance of the activities under this Agreement. This Agreement shall remain in effect during the term unless earlier terminated under the following procedures:

(b) Notice and Opportunity to Cure If either Party to this Agreement believes that the other Party has failed to perform any obligation of that Party in accordance with the terms of this Agreement (“Default”), the Party alleging the Default shall provide written notice (“Default Notice”) to the other Party, setting forth the nature of the alleged Default. Unless otherwise provided by a specific term of this Agreement, the Party claimed to be in Default shall have thirty (30) days from the receipt of the Default Notice to completely cure such Default or, if such Default cannot reasonably be cured within such thirty (30) day period, to commence the cure of such Default within the thirty (30) day period and diligently prosecute the cure to completion thereafter. If the Party claimed to be in Default does not cure such Default within the time period and procedures as set forth herein, the Party alleging Default may then terminate this Agreement and/or seek any applicable legal or equitable remedies.

7. General Provisions

(a) Entire Agreement This Agreement is intended by the Parties as a complete and exclusive statement of the terms of their agreement and it supersedes all prior agreements, written or oral, as to this subject matter. This Agreement may be modified only upon the mutual written agreement of the Parties hereto.

(b) Notices Written notices to be given to either Party must be given by personal delivery or by registered or certified mail addressed and delivered as set forth below.

Beaumont-Cherry Valley Water District
560 Magnolia Avenue
Beaumont, CA 92223
(951) 845-9581
Attn: General Manager

San Geronio Pass Water Agency
1210 Beaumont Avenue
Beaumont, CA 92223
(951) 845-2577
Attn: General Manager

(c) Representation of Authority Each Party represents to the other that it has the authority to enter into this Agreement and that the individual signing this Agreement on behalf of their respective Parties has the authority to execute this Agreement and to bind their respective Parties to the terms and conditions of this Agreement.

(d) Incorporation of Recitals The Recitals set forth above are incorporated herein and made an operative part of this Agreement.

(e) Invalidity and Severability If any portion of this Agreement is declared invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions shall continue in full force and effect.

IN WITNESS WHEREOF, each of the Parties have caused this Agreement to be executed by its respective duly authorized officers.

SAN GORGONIO PASS WATER AGENCY

By: _____

Title: _____

BEAUMONT-CHERRY VALLEY WATER DISTRICT

By: _____

Title: _____



**Beaumont-Cherry Valley Water District
Regular Board Meeting
February 13, 2019**

Item 4

STAFF REPORT

TO: Board of Directors
FROM: Dan Jagers, General Manager
SUBJECT: **Review and Consideration of the San Gorgonio Pass Water Agency Invoice for the East Branch Extension Noble Creek Turnout Upgrade and Authorization for Expenditures not to Exceed \$60,000 for DWR Construction and Plan Check Deposit**

Staff Recommendation

Review and consideration of the San Gorgonio Pass Water Agency (SGPWA) Invoice # 19-00186 dated February 1, 2019 and consider the following options for proceeding:

- Option 1: Authorize the General Manager to make additional expenditures related to the East Branch Extension (EBX) Noble Creek Turnout in the amount of \$60,000 for the Department of Water Resources (DWR) Plan Check Construction Deposit, or;
- Option 2: Make partial payment for DWR Plan Check Construction Deposit in the amount of \$60,000.

Background

The SGPWA advertised the construction project for the EBX Noble Creek Turnout Upgrade from 20 CFS to 34 CFS in October 2018 and on October 31, 2018, six (6) proposals were received and opened. The bid results received by the SGPWA were higher than either the SGPWA or BCVWD staff anticipated. Said bids were more than double the original preliminary costs estimate prepared by the SGPWA's consultant of \$162,000 (\$243,000 with estimated design and project contingencies), and much greater than the District staff construction cost estimate of \$330,000 (with 10% contingency) provided by District staff at the October 25, 2018 Engineering Workshop. The District's \$330,000 cost estimate included additional engineering and other soft costs of \$96,640, for a total estimated project cost of \$424,640.

The SGPWA's General Manager, Jeff Davis, informed District staff that during the SGPWA's discussion with bidders, it was identified that the bids for the facilities construction were higher than they might otherwise be due to the uncertainty of the materials and equipment supply market and the inability of those bidders to secure fixed pricing for materials of construction for greater than a two week period. Mr. Davis also informed staff that bidders' identified bid prices were further affected adversely by the uncertainty of costs of supplies which may be affected by tariffs imposed on steel materials.

At the November 14, 2018 BCVWD Regular Board meeting, District staff presented to the Board the anticipated total project cost set forth in Table 1 below. The Board subsequently approved to authorize SGPWA to proceed with construction and engineering support service for the EBX Noble Creek Turnout Upgrade in an amount not to exceed \$580,404.



**TABLE 1
REVISED CONSTRUCTION, ENGINEERING, AND CONSTRUCTION COSTS
FOR PROPOSED NOBLE CREEK EBX TURNOUT UPGRADES**

ITEM	DESCRIPTION	ESTIMATED COST
1	Project Construction Cost	\$433,000
Subtotal Construction		\$433,000
3	Previously Completed SGPWA Eng. And Legal	\$35,640
4	Ongoing Estimated SGPWA Eng. Costs	\$43,500
5	Ongoing Estimated SGPW DWR and Legal Costs	\$10,500
6	Ongoing BCVWD Legal and Admin. Costs	\$5,000
Subtotal Engineering and Other Costs		\$94,640
Total Project Construction and Engineering Cost		\$527,640
	Construction Contingency (10%)	\$43,300
	Engineering and Other Cost Contingency (10%)	\$9,464
Total Project Contingencies (10%)		\$52,764
Total Project Construction and Contingencies (10%)		\$580,404

District staff verified with SGPWA that as of August 31, 2018, DWR had invoiced \$2,568 to the Noble Creek Turnout Expansion Plan Check. District staff estimates and additional \$10,500 may be likely expended by Project completion. However, the SGPWA was required to deposit \$60,000 for the Project with DWR.

On February 6, 2019, Invoice # 19-00186 dated February 1, 2019 was received by District staff and included the line item DWR Construction and Plan Check Deposit in the amount of \$60,000. Said line item was not included in the Board of Director's November 14, 2018 project approval due to the anticipated reduction in total DWR deposit charges actually expected. District staff is now bringing this item to the Board for consideration and approval.

District staff will verify that all unused deposits are returned upon Project completion to the District.

Fiscal Impact:

The fiscal impact to the District will be an additional \$60,000 and will be paid for from Facilities Fees.



Attachments

1. San Geronio Pass Water Agency Invoice #19-00186
2. EBX Noble Creek Turnout Upgrade Construction Schedule

Prepared by Dan Jagers, General Manager/Erica Gonzales, Administrative Assistant



INVOICE

San Gorgonio Pass Water Agency A California State Water Project Contractor

1210 Beaumont Avenue
Beaumont, California 92223
Phone (951) 845-2577 Fax (951) 845-0281

Invoice # 19-00186
DATE: February 1, 2019

Bill To:
Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, CA 92223

Reference:
Expenses related to upgrade of
Noble Connection

01-4-41 - 1

STATEMENT DETAILS	Sub-totals	AMOUNT
Agency Costs to Date		
DWR Construction and Plan Check Deposit	\$60,000.00	
Design Costs	\$36,793.90	
Documents and Advertising (Bids)	\$1,201.85	
Legal	\$2,316.70	
Total Costs as of January 31, 2019		\$100,312.45
Construction – Pro-Craft, Inc.		\$433,000.00
Post-Design – Engineering Resources of Southern California		<u>\$36,500.00</u>
TOTAL – Actual and Estimated Expenses		\$569,812.45
LESS: Deposit received 5/16/16		-\$25,000.00
	INVOICE TOTAL	\$544,812.45

This invoice represents actual and estimated expenses. Further expenses will be invoiced as needed or upon the completion of the project. Upon completion of the project, a full accounting of all funds expended will be made and a final invoice sent or a credit issued.

Make all checks payable to San Gorgonio Pass Water Agency

If you have any questions concerning this statement, contact Tom Todd, Jr., (951) 845-2577, ttodd@sgpwa.com



**Beaumont-Cherry Valley Water District
Regular Board Meeting
February 13, 2019**

Item 5

STAFF REPORT

TO: Board of Directors

FROM: Dan Jagers, General Manager

SUBJECT: **Resolution 2019-___: Consideration of Approval of Water Supply Assessment and Update to “Will Serve Letter” for Water Service for Hidden Canyon Industrial Park located south of State Highway 60 and west of Potrero Boulevard (Riverside County Assessor’s Parcel Numbers 421-020-001 and 421-020-006)**

Staff Recommendation

Consider the following actions for the Hidden Canyon Industrial Park Project (Riverside County Assessor’s Parcel Numbers 421-020-001 and 421-020-006)

1. Approve the “Draft” Water Supply Assessment for Hidden Canyon Industrial Park.
2. Adopt Resolution 2019-___, Acknowledging the Review, Receipt and Acceptance of the Water Supply Assessment for Hidden Canyon Industrial Park.
3. Consider the request for Update to “Will Serve Letter” for water service to the proposed revised Development Hidden Canyon Industrial Park.
 - a. Approve the request for Update to “Will Serve Letter” for Water Service, or;
 - b. Deny the request for Update to “Will Serve Letter: for Water Service.

Background

District Staff has received a request for an Update to the “Will Serve Letter” for a project known as the Hidden Canyon Industrial Park Project which is located on Riverside County Assessor’s Parcel Numbers (APN) 421-020-001 and 421-020-006 (see Figure 1 – Hidden Canyon Industrial Park Project Location).

The Beaumont Gateway Specific Plan (BGSP) was a residential project with 573 dwelling units proposed by the Lockheed Corporation and approved by the City of Beaumont (City) in 1996. CEQA compliance for the project was documented through the BGSP EIR, which was certified in 1996. The BGSP was never constructed.

In 2003, CRV-SC Beaumont Partners, LP made an application to the City of Beaumont and the District for the Hidden Canyon Specific Plan (HCSP), a revised residential development of up to 426 residences, park space and a 4.8 acre commercial site located on the former site of the proposed BGSP and an additional 36.5 acres to the east. The City prepared and adopted an addendum to the BGSP EIR in 2005 (2005 Addendum). The 2003 revised HCSP was never constructed.

The HCSP residential housing development project described above was annexed into the District’s service area as part of LAFCO Annexation 2004-48-5.

Since the project annexed into the District, the developer has proposed a revised development project which changed said project from a Residential Tract Home Project to an Industrial



Park Project of two (2) warehouse type facilities consisting of two (2) buildings with approximately 2,867,210 square feet. BCVWD Staff provided a Preliminary Fire Flow and Plan of Service Assessment in early 2011.

In December 2011, BCVWD offered comment to the City of Beaumont Planning Department, identifying that due to the change in the Proposed Project from residential to industrial / warehousing, a Water Supply Assessment (WSA) would be required before moving forward with presenting a request for an Update to “Will Serve Letter” to the BCVWD Board. Said comments were restated to the City of Beaumont Planning Department on April 5, 2016 (see Attachment 2 – April 5, 2016 District Conditional Requirements).

The Developer has requested that the District prepare a WSA and said assessment together with a request for Update to “Will Serve Letter” be presented to the Board.

District Staff has since prepared a WSA (See Attachment 3 – “Draft” Water Supply Assessment) which addresses the District’s current and projected water supply with the addition of Hidden Canyon Industrial Park Project’s total new water demand, approximately 59 AFY (61,321 gallons per day). Due to the requisite WSA, the District has prepared the attached Resolution (see Attachment 4 – Resolution 2019-___) for adoption by the Beaumont-Cherry Valley Water District’s Board of Directors for the review, receipt and acceptance of the Hidden Canyon Industrial Park WSA. Said Resolution, states that the WSA identifies the District’s projected water supply adequately meets the projected water demand for the Hidden Canyon Development Project.

The proposed Hidden Canyon Industrial Park consists of approximately 200 gross acres (146 acres net) and is located south of State Highway 60 and west of Potrero Blvd. Said project is rough graded into two large pads with one building proposed on each pad; one building will be approximately 1,000,000 sq. ft. and the other approximately 1,800,000 sq. ft. (2,800,000 sq. ft. of industrial distribution type warehousing facilities). 4th Street is proposed to be extended from its current end to the western boundary of the Project where it will terminate in a cul-de-sac.

The estimated water demand for the Proposed Project’s industrial distribution warehousing facilities has been established based on discussion with District Staff and the Developer. District Staff has also evaluated water use for an existing 720,000 sq. ft. industrial distribution center nearby to verify water use projections. The estimated potable water use for said Project would be 30,000 gpd or 24 acre-ft. per year (AFY) based on 260 working days. It is estimated with drought tolerant landscaping measures, the outdoor water use would be approximately 35 AFY. Said potable and non-potable water system usage is summarized as follows:

	Acre Feet Per Year (AFY)	Gallons Per Day (GPD)
Potable Water Demand	24 AFY	30,076 GPD
Non-Potable Water Demand	35 AFY	31,245 GPD
TOTAL WATER DEMAND:	59 AFY	61,321 GPD

The total new water demand required by the project is estimated to be 59 AFY (90.8 EDUs) and is further described in the WSA (see Attachment 3 - “Draft” Water Supply Assessment).



BCVWD Proposed Development Conditions are as Follows:

Prior to final project development, the following conditions must be met:

1. The Applicant shall enter into a water facilities extension agreement and pay all fees associated with the domestic, non-potable water services and main line pipeline extensions. The Applicant shall also pay all fees related to new fire service facilities including any facilities improvements that may be necessary to meet the fire flow requirements.
2. The Applicant shall be required to extend all master plan water and recycled water pipeline facilities to the property in question and along all property frontages in accordance with a Plan of Service for said property which will be updated from the preliminary plan of service and fire flow analysis prepared in 2011.
3. The Applicant shall be required to pay front footage fees along all property frontages where facilities are currently installed.
4. The Applicant shall connect to the recycled water system for irrigation supply. To minimize the use of potable water, the District requires the applicant conform to the City of Beaumont Landscaping Ordinances and Zoning Requirements and/or County of Riverside Landscaping Ordinances (as applicable) which pertains to water efficient landscape requirements and the following:
 - a. Landscaped areas which have turf, shall have “smart irrigation controllers” which use Evapotranspiration (ET) data to automatically control the watering. Systems shall have an automatic rain sensor to prevent watering during and shortly after rainfall and automatically determine watering schedule based on weather conditions, and not require seasonal monitoring changes. Orchard areas, if any, shall have drip irrigation
 - b. Landscaping in non-turf areas should be drought tolerant consisting of planting materials. Irrigation systems for these areas should be drip or bubbler type.
5. The Applicant shall prepare plans in accordance with District Standards showing all required domestic water system and non-potable water system improvements. Said plans shall be approved by the District prior to construction.
6. The Applicant shall conform to all District requirements and all City of Beaumont requirements.
7. The Applicant most likely will be required to provide water line purge systems (flush system) and return flow pump system or pressure reducing system as part of their development conditions due to the dead end location of the proposed development.
8. Applicant will be required to provide a District well site and associated facilities easements within development footprint.



Fiscal Impact

There will be no fiscal impact to the District as all fees and facility installation costs will be paid for by the Developer.

Attachment(s)

Attachment 1 – Figure 1 – Hidden Canyon Industrial Park Project Location

Attachment 2 – April 5, 2016 District Conditional Requirements

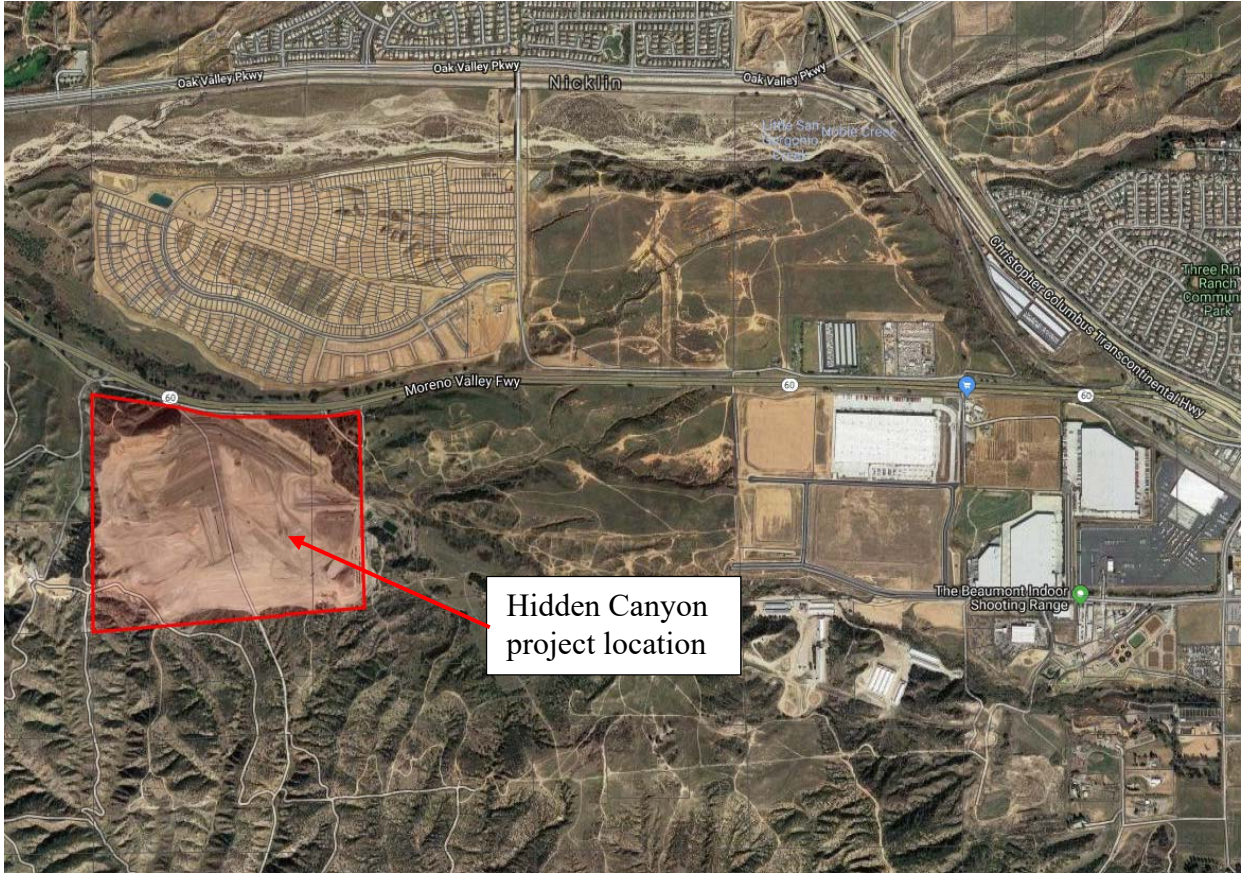
Attachment 3 – “Draft” Water Supply Assessment

Attachment 4 – Resolution 2019-__

Prepared by Aaron Walker



Figure 1 –Hidden Canyon Industrial Park Project Location



ATTACHMENT 2

CITY OF BEAUMONT
550 EAST 6TH STREET
BEAUMONT CALIFORNIA 92223
(951) 769-8518
(951) 769-8526 FAX

PLANNING DEPARTMENT
TRANSMITTAL SHEET

ASSESS PCL NO.:
421-020-001, 421-020-006

BEAUMONT CASE NO.:
16-PP-02

DATE:
3/15/2016

RETURN COMMENTS BY:
4/5/2015

LOCATION:
South side of SR-60 at the end of future 4th Street, Beaumont, CA 92223

TRANSMITTED TO:

Southern California Edison
Southern California Gas Company
Cal Trans
Verzon
Beaumont Building and Safety
Economic Development
RC Waste Management (no plans)
Regional Water Quality Control Board
South Coast Air Quality District

Beaumont Transit Department
Beaumont Unified School Dist.
Beaumont Cherry Valley Water Dist.
Beaumont CV Recreation & Parks Dist.
Beaumont Library
Beaumont Public Works
Beaumont Fire Department
Beaumont Police Department
State Dept. of Fish & Wildlife

BRIEF DESCRIPTION OF PROJECT:

Plot Plan Application for two (2) industrial buildings totaling 2,867,210 square feet on two (2) vacant parcels totaling 204.225 Acres within the Hidden Canyon Industrial Specific Plan (SP) Zone.

Please review the attached tentative map/documents and return your comments or Conditions of Approval NO LATER THAN the date noted above. If additional time is needed, please so state in your recommendations or contact the Planning Director by telephone. There is no need to return the exhibit, you may keep it in your files. Should you have any questions, please do not hesitate to contact this department (951) 769-8518 or rdeming@beaumontcares.com. Mailing Address: City of Beaumont, Planning Department, 550 E. 6th Street, Beaumont, Ca 92223

COMMENTS/RECOMMENDED CONDITIONS OF APPROVAL (COMMENTS MAY BE ATTACHED)

SEE comments Attached on April 5, 2016 Board letter and 12/7/2011 Comments

Daniel J. Jagers

Submitted by: Daniel J. Jagers Title: Director of Eng Date: 4/5/2016

Signature: 



www.bcvwd.org

Beaumont-Cherry Valley Water District

Phone: (951) 845-9581 Fax: (951) 845-0159

Board of Directors

David Hoffman
Division 5

John Covington
Division 4

Daniel Slawson
Division 3

Nathan Douglas
Division 2

Jeffrey Cottrell
Division 1

April 5, 2016

Rebecca Demming
City of Beaumont, Planning Department
550 East 6th Street
Beaumont, CA 92223

Subject: Planning Case for APN 421-020-001, and 421-020-006
(Beaumont Case Number: 16-99-02)

Dear Ms. Demming:

The Beaumont-Cherry Valley Water District (District) has reviewed the proposed development submittal and offers the following comments:

1. The Beaumont-Cherry Valley Water District previously offered comment regarding this project on December 12, 2011 identifying a Water Supply Assessment (WSA) would be required for this project. That WSA is still required. A copy of those comments is provided for reference and those comments are still valid.
2. The Plan of Service developed by the District for the original proposed projects that encompassed these parcels (Tract 31843 and Tract 32747) and the District's Urban Water Management Plan envisioned that the recycled water component of the required project water supply would be provided by the Beaumont-Cherry Valley Water District utilizing recycled water acquired by the District from the City of Beaumont. The Applicant shall secure entitlement to said non-potable water supply from the City of Beaumont via an irrevocable offer of dedication by the City of Beaumont to the District as necessary to support the project development non-potable water use requirements. Said non-potable water supply shall be provided to the District by the City at a delivered cost not to exceed the cost per acre-foot of imported water available from the State Water Project supply as available from the San Geronio Pass Water Agency. Current Table "A" Allotment (currently \$317 per acre foot of water). The water quality of said non-potable water shall meet all Title 22 and Basin Plan requirements. Alternatively, the Developer may propose an alternative source of supply that is acceptable by the District.



www.bcwwd.org

Beaumont-Cherry Valley Water District

Phone: (951) 845-9581 Fax: (951) 845-0159

Board of Directors

David Hoffman
Division 5

John Covington
Division 4

Daniel Stawson
Division 3

Nathan Douglas
Division 2

Jeffrey Cottrell
Division 1

3. The Applicant shall connect to the recycled water system for irrigation supply. To minimize the use of potable water, the District requires the applicant conform to the City of Beaumont Landscaping Ordinances and Zoning Requirements and/or County of Riverside Landscaping Ordinances (as applicable) which pertains to water efficient landscape requirements and the following:
 - a. Landscaped areas which have turf shall have “smart irrigation controllers” which use Evapotranspiration (ET) data to automatically control the watering. Systems shall have an automatic rain sensor to prevent watering during and shortly after rainfall and automatically determine watering schedule based on weather conditions, and not require seasonal monitoring changes. Orchard areas, if any, shall have drip irrigation.
 - b. Landscaping in non-turf areas should be drought tolerant consisting of planting materials. Irrigation systems for these areas should be drip or bubbler type.
4. The Applicant shall prepare separate water improvement plans and non-potable water improvement plans for the project as well as required water main and non-potable water main pipeline extensions in accordance with current District Standards showing all required domestic water system and non-potable water system improvements. Said plans shall be approved by the District prior to construction.
5. The existing Will Serve letter issued by the District for this project is expired. The Developer will be required to request an updated will serve letter from the District at the time the Water Supply Assessment is completed and when project moves forward. Finally, the District has enacted Resolution 2014-05 which prohibits the issuance of Will Serve Letters for projects while the drought is in effect in California with 2 exceptions (Item 2.a and 2.b of said resolution). This project may or may not be affected by District Resolution 2014-05 and said determination will be made by the District Board of Directors upon request by the Developer. Please see attached copy of said resolution for specific requirements.
6. The Applicant shall conform to all District requirements and all City of Beaumont requirements.



www.bcward.org

Beaumont-Cherry Valley Water District

Phone: (951) 845-9581 Fax: (951) 845-0159

7. See attached "Timoteo Industrial Park, Comment on Revision of Hidden Canyon Specific Plan APN 421-020-001 & 421-020-006" for additional comments.

Board of Directors

David Hoffman
Division 5

John Covington
Division 4

Daniel Slavson
Division 3

Nathan Douglas
Division 2

Jeffrey Cottrell
Division 1

Sincerely,

Daniel K. Jagers
Director of Engineering
Beaumont-Cherry Valley Water District

DKJ/dkj

APN_421-020-001-006_COB_Plan_L1_20160405r1.docx

CITY OF BEAUMONT
550 EAST 6TH STREET
BEAUMONT CALIFORNIA 92223
(951) 769-8520
(951) 769-8526 FAX

RECEIVED
DEC 17 2011

BY:

PLANNING DEPARTMENT
TRANSMITTAL SHEET

ASSESS PCL. NO.:	TRACT MAP / PARCEL MAP NO.:	
421-020-001 & 421-020-006	PM 36426	
BEAUMONT CASE NO.:	DATE:	RETURN COMMENTS BY:
11-SPA-01, 11-PM-03, 11-GPA-02, and 11-PP-04	11/29/2011	12/15/2011

LOCATION:

36523 Hwy 60 – South of Hwy 60 and East of Jack Rabbit Trail

TO:

<input type="checkbox"/> Southern California Edison	<input type="checkbox"/> Beaumont Unified School Dist.
<input type="checkbox"/> Southern California Gas Company	<input checked="" type="checkbox"/> Beaumont Cherry Valley Water Dist.
<input type="checkbox"/> Cal Trans	<input type="checkbox"/> Beau CV Rec & Parks Dist.
<input type="checkbox"/> Verizon	<input type="checkbox"/> Beaumont Library
<input type="checkbox"/> RC Waste Management (no plans)	

BRIEF DESCRIPTION OF PROJECT:

Specific Plan Amendment, Parcel Map, General Plan Amendment and Plot Plan to revise the Hidden Canyon Specific Plan from Single Family to Industrial for the development of an industrial distribution facility.

Please review the attached tentative map/documents and return your comments or Conditions of Approval NO LATER THAN the date noted above. If additional time is needed, please so state in your recommendations or contact the Planning Director by telephone. There is no need to return the exhibit, you may keep it in your files. Should you have any questions, please do not hesitate to contact this department (951) 769-8520. Mailing Address: City of Beaumont, Planning Department, 550 E. 6th Street, Beaumont, Ca 92223

COMMENTS/RECOMMENDED CONDITIONS OF APPROVAL (COMMENTS MAY BE ATTACHED)

See Attached

Submitted by:

[Signature]

Title: *Subject Engineer*

Date: *12/17/2011*

Signature:

[Signature]



DATE: December 7, 2011
TO: City of Beaumont Planning Dept
FROM: Joseph Reichenberger, District Engineer
SUBJECT: Timoteo Industrial Park, Comments on Revision of Hidden Canyon Specific Plan
APN 421-020-001 & 421-020-006

1. A water supply assessment (WSA) conforming to Water Code §10910 is required. City to request BCVWD in writing, to prepare the WSA per Water Code §10910 (c)(1).
2. Applicant shall make deposits to BCVWD to cover all costs associated with preparation of the WSA. Applicant shall provide BCVWD with potable and landscape irrigation water demands. Applicant shall request fire flow requirements from the City of Beaumont.
3. WSA and water service application requires approval of the BCVWD Board of Directors. Applicant recognizes there is a time limit of 1 year on water service applications.
4. Applicant shall be responsible for securing all rights-of-way for the off-site pipelines to the satisfaction of BCVWD.
5. Applicant shall prepare plans and profiles of on-site and off-site water and recycled water pipelines; plans shall be prepared by a civil engineer registered in the State of California. Applicant shall make deposits to BCVWD to cover the costs of studies, plan check, inspection etc.
6. Applicant shall install all potable and recycled water pipelines and appurtenances as required by BCVWD from the existing end of the pipelines in Fourth Street about 3000 feet east of proposed Potrero Street to the property and install pipelines on the property to serve each parcel at the Applicant's sole cost.
7. Applicant shall execute a main line extension agreement with BCVWD.
8. Applicant shall use recycled water for all landscape irrigation. Submit plans to BCVWD for approval. Final as-built plans shall be submitted to BCVWD upon final completion.
9. Applicant shall conform to BCVWD's Rules and Regulations Governing Water Service which are available on the BCVWD's website www.bcvwd.org

RESOLUTION 2014-05

A RESOLUTION OF THE BOARD OF DIRECTORS OF BEAUMONT-CHERRY VALLEY WATER DISTRICT PRECLUDING THE APPROVAL OF A REQUEST FOR THE ISSUANCE OF ANY WILL SERVE LETTER UNDER THE CIRCUMSTANCES STATED HEREIN SUBJECT TO THE EXCEPTIONS STATED HEREIN

WHEREAS, This Board has discussed and desires to adopt a policy which will suspend the issuance of will serve letters which will add demand to the District's water supplies not previously considered and approved by this Board during conditions specified herein.

WHEREAS, This policy is intended to avoid requiring conservation by presently served ratepayers in order to protect available supplies while simultaneously creating new demand on those supplies and to preserve the rights of persons who have relied on the issuance of a will serve letter by annexing to the District or paying fees or constructing infrastructure in consideration of the issuance of a will serve letter.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of Beaumont-Cherry Valley Water District declares the following:

1. Subject to the exceptions stated in Paragraph 2 below, this Board shall not issue a will serve letter when:
 - (a) A condition of drought exists in the State of California as declared by the Governor of the State of California,
 - (b) There is in effect mandatory conservation measures applicable to the District's ratepayers imposed directly by the State of California, or imposed by implementation of District conservation measures in accordance with the District's Urban Water Management Plan and
 - (c) The quantity of the District's ready to deliver water supplies is less than a projected demand of five years based on the District's then current annual demand.
2. The following applications shall be excepted from the prohibition of the issuance of will serve letters stated in Paragraph 1 of this Resolution:
 - (a) An application for residential or commercial water use reasonably estimated to constitute an annual demand equal to or less than 2 (two) EDU's;
 - (b) An application for service to property as to which a will serve letter previously has been issued and the recipient of that letter or his or her successor in interest has relied on the letter in paying fees to the District, annexing the subject property to the District or constructing District infrastructure in order to provide service to the subject property.
3. The District Secretary shall certify the adoption of this Resolution.

ADOPTED AND APPROVED this 8th day of October, 2014



Chairman

I, Daniel Slawson, Secretary of the Beaumont-Cherry Valley Water District Board of Directors, do hereby certify that the foregoing Resolution was adopted at a regular meeting of the Beaumont-Cherry Valley Water District Board of Directors, held on the 8th day of October, 2013, by the following vote:

AYES: 3	BOARDMEMBERS: Ross, Guldseth, Ball
NOES: 1	BOARDMEMBERS: Slawson
ABSENT: 1	BOARDMEMBERS: Well (vacant seat)
ABSTAINED: 0	BOARDMEMBERS:

ATTEST:



Secretary

BEAUMONT-CHERRY VALLEY WATER DISTRICT

560 MAGNOLIA AVENUE

BEAUMONT, CALIFORNIA 92223

www.bcvwd.org

DRAFT

WATER SUPPLY ASSESSMENT

for

HIDDEN CANYON INDUSTRIAL PARK

City of Beaumont, CA

DECEMBER 2018



Prepared by

BEAUMONT-CHERRY VALLEY WATER DISTRICT

560 MAGNOLIA AVENUE

BEAUMONT, CALIFORNIA 92223

(951) 845-9581

Table of Contents

1. Introduction	1
2. Water Supply Assessment (WSA) Legislative Requirements	1
2.1 Senate Bill 221 (SB 221).....	2
2.2 Senate Bill (SB 610).....	3
2.3 Summary	5
3. Urban Water Management Planning Act	5
3.1 Background.....	5
3.2 San Geronio Pass Water Agency 2015 UWMP	7
3.3 BCVWD’s 2015 UWMP	8
4. Hidden Canyon Industrial Park Project Description	9
4.1 Project Description.....	9
4.2 Estimated Water Demand	11
5. BCVWD Water System	11
5.1 Overview of BCVWD’s Water System and Operation.....	14
5.2 Potable Water System	14
5.3 Imported Water and Recharge Facilities	15
5.4 Non-potable (Recycled) Water System	16
6. Updated Water Demands in San Geronio Pass Area	17
6.1 Regional Water Supply and Demand Spreadsheet Models	17
6.1.1 City of Banning	19
6.1.2 YVWD/City of Calimesa	21
6.1.3 BCVWD	25
6.2 Summary of Member Agency Imported Water Demands on SGPWA	31
7. SGPWA Available Imported Water.....	31
7.1 State Water Project (SWP) Table A	32
7.2 Yuba Accord Water	33
7.3 San Bernardino Valley Municipal Water District (SBVMWD Water).....	34
7.4 AVEK-Nickel Water	34
7.5 City of Ventura and Casitas Municipal Water District (Ventura Water)	35

7.6	California Water Fix (CWF)	35
7.7	Sites Reservoir	38
7.8	<i>Sale of State Water Project Contractors Incremental CWF Reliability Benefits</i>	40
7.9	<i>Purchase or Leasing of Metropolitan’s CWF Phase 2 Water</i>	40
7.10	Other Sources of Imported Water	40
7.10.1	Article 21 Water	40
7.10.2	Turn-back Pool Water	41
7.10.3	Short-term or Long-term Water Transfers or Exchanges.....	41
7.10.4	Recommendations for SGPWA.....	41
7.11	Summary of Available Imported Water Supplies	42
7.12	Contingency Plan.....	42
8.	Water Supply and Demand for BCVWD.....	44
9.	Water Supply Single and Multiple Dry Period Analysis.....	47
9.1	Water Source Availability	47
9.1.1	Groundwater	47
9.1.2	Imported Water	49
9.1.3	Recycled Water	55
9.1.4	Storm Water and Other Local Water Resources	56
9.2	Water Demands During Critical and Multi-year Dry Periods	56
10.	Conclusions.....	59
11.	Acknowledgements	61
12.	References.....	61

LIST OF TABLES

1	BCVWD Imported Water Needs for BCVWD 2015 UWMP (Table 6-26)	9
2	BCVWD Potable and Non-potable Water Connections and Deliveries 2017	14
3	Major Development Projects in City of Banning	19
4	Summary of Spreadsheet Supply-Demand Model for City of Banning	21
5	Major Development Projects in YVWD in SGPWA (City of Calimesa).....	21
6	YVWD SGPWA Imported Water Demands.....	23
7	Summary of Spreadsheet Supply-Demand Model for YVWD (City of Calimesa)	24

8	Major Development Projects in Planning or Construction Stages	25
9	Unit Water Demands for New EDUs in BCVWD Service Area	28
10	Summary of Spreadsheet Supply-Demand Model for BCVWD	29
11	Regional Summary of Spreadsheet Supply-Demand Model for SGPWA	32
12	Final Adjusted Phase 1 Agreement	39
13	Estimated Amount of Article 21 Water Available to SGPWA Based on 0.5% of Total Available, AF	41
14	SGPWA Current and Projected Available Imported Water Supply through 2040	43
15	Regional Summary of SGPWA Imported Water Supply, AFY	44
16	Summary of BCVWD's Forbearance and Reallocated Overlier Pumping Rights	49
17	Groundwater Available from Edgar Canyon for Single and Multiple Dry Year Analysis .	49
18	SGPWA SWP Delivery Capability as a Percent of Table A (Based on 2015 DWR SWP Delivery Capability Report)	50
19	SGPWA SWP Delivery Capability as a Percent of Table A (Used for WSA Reliability Analysis)	50
20	SGPWA Preliminary Amount of Sites Reservoir Water Available, AFY	52
21	Regional Summary of SGPWA Imported Water Supply Single Dry Year, AFY	52
22	Regional Summary of SGPWA Imported Water Supply Two Consecutive Dry Years, AFY	53
23	Regional Summary of SGPWA Imported Water Supply Three Consecutive Dry Years, AFY	53
24	Regional Summary of SGPWA Imported Water Supply Six Consecutive Dry Years, AFY	54
25	Summary of SGPWA Regional Imported Water Supply and Demand Single and Multiple Dry Years	54
26	Member Agency's Percent of Available Imported Water When Demand Exceeds Supply	55
27	BCVWD Available Imported Water During Single and Multiple Dry Year Periods	55
28	BCVWD Available Recycled Water During Single and Multiple Dry Year Periods	56
29	Ratio of Dry Period Precipitation to Average Precipitation at Beaumont and Estimated New Water from Storm Water Capture and Local Water Resource Projects	56
30	BCVWD Water Supply Summary – Critical Dry Year	57
31	BCVWD Water Supply Summary – 2 Consecutive Dry Years	58

32 BCVWD Water Supply Summary – 3 Consecutive Dry Years58

33 BCVWD Water Supply Summary – 6 Consecutive Dry Years59

LIST OF FIGURES

1 Hidden Canyon Industrial Park General 10

2 Hidden Canyon Industrial Park Plot Plan 10

3 BCVWD Boundary and Sphere of Influence 13

4 City of Beaumont Single Family Home Permits26

5 SGPWA Imported Water Sources and Demand to 2040 (Worst Case Conditions)45

6 BCVWD’s Water Supply and Demand Projection to 204046

7 BCVWD’s Groundwater Storage Balance to 204046

8 BCVWD Historic Beaumont Basin Groundwater Storage Account48

9 Sites Reservoir Available Water 2030 and 207051

DRAFT

1. INTRODUCTION

The Hidden Canyon Industrial Park (Hidden Canyon Industrial or "Project") is proposed to be constructed in the City of Beaumont, CA on an approximately 200 gross acre site, south of Highway 60 and west of Potrero Blvd. The project will consist of two large graded building pads with one building on each pad – one at approximately 1,000,000 square feet (sq. ft.) and the other approximately 1,800,000 sq. ft. The total building area is proposed to be 2,800,000 sq. ft. Existing 4th Street will be extended from its current end to the westerly boundary of the Project site where it will terminate as a cul-de-sac. The Riverside County Fire Department has identified a fire flow requirement for the project 4,000 gpm for 4 hours at 20 psi residual, which also meets the requirement of the project. The project site is within the Beaumont Cherry Valley Water District (BCVWD) service area.

The site has had several entitlement activities in the past:

- Beaumont Gateway Specific Plan – 1990s site owner, Lockheed Corporation, received specific plan and tentative tract approval in 1995 for 573 dwelling units, minimum 5,000 sq ft lot size. Due to market conditions the project did not move forward.
- Wyle Laboratories Test Facility – Wyle Laboratories acquired the site and received City of Beaumont approval in 2001 for a zone change and General Plan Amendments for industrial designation and a conditional use permit for a small industrial testing facility and a 4.8 acre commercial site.
- Hidden Canyon Specific Plan – Beaumont Partners, LP, received City of Beaumont approval in 2005 for a 426 residential unit subdivision with a 4.8 acre support commercial, and 19.5 acres of parks and open space. The average day water demand for that project was approximately 170 gallons per minute (gpm) or 275 acre feet per year (AFY).

The current Project was initiated in 2012 with a Specific Plan Amendment changing the land use from residential to industrial and providing for up to 2.89 million sq. ft. of industrial floor space. This is the currently entitled status for the projects. The plot plan approval expired in 2014. Timoteo Land Investors, LLC, requested and secured plot plan approval from the City of Beaumont, with conditions, in 2016. As a result of the change of level of use, a new Water Supply Assessment (WSA) is required. This WSA supersedes the original plan of service/WSA prepared in 2011.

2. WATER SUPPLY ASSESSMENT (WSA) LEGISLATIVE REQUIREMENTS

There were two Senate Bills, passed in 2001, to advance water supply planning efforts in California and provide the foundation for developing comprehensive water policies to meet future water needs by integrating water supply and land use planning. These were Senate Bill 221 and Senate Bill 610, (SB 221 and SB 610, respectively). The intent was to provide additional assurance that the new projects could have a reliable water supply and the impact of the new developments on existing water users, those relying on common water sources, and decision

makers were adequately informed of the proposed project's water use, the impacts, and plans to maintain supplies.

2.1 Senate Bill 221 (SB 221)

SB 221 applies to residential subdivisions and chaptered in Government Code §65867.5 *et seq* which states:

- (c) *A development agreement that includes a subdivision, as defined in Government Code §666473.7, shall not be approved unless the agreement provides that any tentative map prepared for the subdivision will comply with the provisions of §666473.7.*

Government Code §666473.7 states:

- (a) *For purposes of this section, the following definitions apply:*
 - (1) *“Subdivision” means a proposed residential development of more than 500 dwelling units, except that for a public water agency that has fewer than 5,000 service connections, “subdivision” means any proposed residential development that would account for an increase of 10 percent or more in the number of the public water system’s existing service connections.*
- (b)(1) *The legislative body of a city or county or the advisory agency, to the extent that it is authorized by local ordinance to approve, conditionally approve, or disapprove the tentative map, shall include as a condition in any tentative map that includes a subdivision, a requirement that a sufficient water supply shall be available. Proof of the availability of a sufficient water supply shall be requested by the subdivision applicant or local agency, and shall be based on written verification from the applicable water supply system within 90 days of a request.*
- (i) *Government Code §666473.7 shall not apply to any residential project proposed for a site that is within an urbanized area and has previously been developed for urban uses, or where the immediate contiguous properties surrounding the residential project site area, or previously have been, developed for urban uses, or housing projects that area exclusively for very low and low-income households.*
- (a)(2) *“Sufficient water supply” means the total water supplies available during normal, single-dry and multiple-dry years within a 20-year projection that will meet the projected demand associated with the proposed subdivision, in addition to existing and planned future uses, including but not limited to agricultural and industrial uses.*

This does not mean that 100 percent of the development's unrestricted water demand must be met 100 percent of the time, nor does it mean the new development may not have an impact on the service level of existing customers. A “sufficient water supply” may be found to exist for a proposed subdivision and for existing customers, even where a drought-induced shortage will be known to occur, as long as a minimum water supply can be estimated and planned for during a record drought.

2.2 Senate Bill (SB 610)

SB 610, chaptered in Water Code §10910 *et seq*, requires a city or county that determines a "Project," as defined in Water Code §10912, is subject to the California Environmental Quality Act (CEQA), the city or county must identify any public water system that may supply water for the project and to request those public water systems to prepare a specified water supply assessment (WSA), except as otherwise specified. Water Code §10912 defines a "Project" as any of the following:

- (1) *A proposed residential development of more than 500 dwelling units.*
- (2) *A proposed shopping center or business establishment employing more than 1,000 persons or having more than 500,000 square feet (sq.ft) of floor space.*
- (3) *A proposed commercial office building employing more than 1,000 persons or having more than 250,000 sq. ft. of floor space.*
- (4) *A proposed hotel or motel, or both having more than 500 rooms.*
- (5) *A proposed industrial, manufacturing, or processing plant, or industrial park planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 sq. ft. of floor area.*
- (6) *A mixed-use project that includes one or more of the projects specified in this subdivision.*
- (7) *A project that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500 dwelling unit project.¹*

The basic question to be answered in the WSA is:

Will the water supplier's total projected water supplies during normal, dry, and multiple dry years during a 20-year projection meet the projected water demand of the proposed project, in addition the water supplier's existing and planned future uses, including agricultural and manufacturing uses?

The WSA, under SB 610, is to include the following, if applicable to the supply conditions:

1. Discussion regarding whether the public water system's total projected water supplies available during normal, single dry, and multiple dry water years during a 20-year projection will meet the projected water demand associated with the proposed project, in addition to the public water system's existing and planned future uses.
2. Identification of existing water supply entitlements, water rights, or water service contracts secured by the purveying agency and water received in prior years pursuant to those entitlements, rights, and contracts.
3. Description of the quantities of water received in prior years by the public water system under the existing water supply entitlements, water rights or water service contracts.

¹ The water use for one dwelling unit depends on regional climate and varies from agency to agency

4. Water supply entitlements, water rights or water service contracts shall be demonstrated by supporting documentation such as the following:
 - a. Written contracts or other proof of entitlement to an identified water supply.
 - b. Copies of capital outlay program for financing the delivery of a water supply that has been adopted by the public water system.
 - c. Federal, state, and local permits for construction of necessary infrastructure associated with delivering the water supply.
 - d. Any necessary regulatory approvals that are required to be able to convey or deliver the water supply.
5. Identification of other public water systems or water service contract holders that receive a water supply or have existing water supply entitlements, water rights, or water service contracts, to the same source of water as the public water system.
6. If groundwater is included for the supply of a proposed project, the following additional information is required:
 - a. Description of groundwater basin(s) from which the proposed project will be supplied. Adjudicated basins must have a copy of the court order or decree adopted and a description of the amount of groundwater the public water system has the legal right to pump. For non-adjudicated basins, information on whether the California Department of Water Resources has identified the basin as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current bulletin of the Department of Water Resources that characterizes the condition of the basin, and a detailed description of the efforts being undertaken in the basin to eliminate the long-term overdraft.
 - b. Description and analysis of the amount and location of groundwater pumped by the public water system for the past five (5) years from any groundwater basin from which the proposed project will be supplied. Analysis should be based on information that is reasonably available, including, but not limited to, historic use records.
 - c. Description and analysis of the amount and location of groundwater projected to be pumped by the public water system from any groundwater basin from which the proposed project will be supplied. Analysis should be based on information that is reasonably available, including, but not limited to, historic use records.
 - d. Analysis of sufficiency of the groundwater from the basin(s) from which the proposed project will be supplied.
7. The water supply assessment shall be included in any environmental document prepared for the project.

SB 610 prescribes a timeframe within which a public water system is required to submit the assessment to the city or county and authorizes the city or county to seek a writ of mandamus to

compel the public water system to comply with requirements relating to the submission of the assessment.

SB 610 requires the public water system, or the city or county, as applicable, if that entity concludes that water supplies are, or will be, insufficient, to submit the plans for acquiring additional water supplies.

SB 610 requires the city or county to include the water supply assessment and certain other information in any environmental document prepared for the project pursuant to the act.

2.3 Summary

The Senate bills are quite similar; SB 221 applies to proposed residential subdivisions over 500 dwelling units or a subdivision project that proposes 10 percent of the number of existing agency water connections whichever is smaller; SB 610 to other types of large projects or mixed use projects. Both require documentation of water supply and demand under normal, dry and multiple dry year scenarios to accommodate the project plus existing and known planned projects. Both rely on the agency's Urban Water Management Plan (UWMP) for support.

Based on the description in the introduction, the proposed **Hidden Canyon Industrial Park project requires a water supply assessment pursuant to SB 610 under Section 10912 (a) (2)**. The Project includes a proposed business establishment having more than 500,000 square feet of floor space. The Project proposes approximately 2,800,000 square feet of floor space. For the Project, the water purveyor is the Beaumont-Cherry Valley Water District (BCVWD).

3. URBAN WATER MANAGEMENT PLANNING ACT

3.1 Background

The California Water Code requires that all urban water suppliers within the state, serving over 3,000 acre-feet (AF) of water (1 AF = 325,829 gallons) or having at least 3,000 service connections, to prepare Urban Water Management plans (UWMPs) on a five-year, ongoing basis demonstrating their continued ability to provide water supplies for current and future expected development under normal, single dry and multiple dry year scenarios. The Urban Water Management Planning Act was enacted in 1983 and amendments were made periodically since then. The Act also requires imported water suppliers to prepare UWMPs. Water Code sections §10610 through §10656 detail the information that must be included in the plans. These plans also require the assessment of urban water conservation measures and wastewater recycling. They also require, pursuant to §10632, a water shortage contingency plan, outlining how the municipal water provider will manage water shortages of up to 50 percent of their normal supplies in a given year.

An UWMP is a planning tool that provides general guidance to water management agencies. It provides managers and the public with high altitude overview on a number of water supply issues facing the agency. It is not a substitute for project-specific planning documents, nor was it intended to be when mandated by the State Legislature. When specific projects are chosen to

be implemented, detailed project plans are prepared, environmental analysis, if required, is prepared, and financial and operational plans are developed.

“A plan is intended to function as a planning tool to guide broad-perspective decision making” by water agency managers and directors.² It should not be viewed as an exact blueprint for supply and demand management. Water management in California is not a matter of certainty and planning projections may change in response to a number of factors. “[L]ong-term water planning involves expectations and not certainties. The State Supreme Court has recognized the uncertainties inherent in long-term land use and water planning and observed that the generalized information required ...in the early stages of the planning process are replaced by firm assurances of water supplies at later stages.”³ It is appropriate to look at the UWMP as a general planning framework, not a specific action plan. It is an effort to generally answer a series of planning questions including:

- What are the potential sources of supply and what is the reasonable probable yield from them?
- What is the probable demand, given a reasonable set of assumptions about growth and implementation of good water management practices?
- How well do supply and demand figures match up, assuming that the various probable supplies will be pursued by the implementing agency?

Based on the answers to these questions, the implementing agency will pursue feasible and cost-effective options and opportunities to meet demands.

Overall, the demands for the Project have been refined herein based upon a specific water demand projection based upon the most recent proposed land uses of the development.

The Urban Water Management Planning Act requires the supplier to document water supplies available during normal, single dry, and multiple dry water years over a 20-year projection and the existing and projected future water demand during a 20-year projection. The Act requires that the projected supplies and demands be presented in 5-year increments for the 20-year projection period.

Like SB 221 and SB 610, specific levels of supply reliability are not mandated (i.e., whether a specific level of demand can be met over a designated frequency); rather, the law provides that it is a local policy decision of the water provider as part of the planning process. As provided for in the law, this WSA can rely on the data in the latest UWMP in assessing the water demand of the proposed project relative to the overall increase in demands expected by BCVWD. The Hidden Canyon Industrial Park was included in Table 3-6 of BCVWD’s 2015 UWMP as well as their 2013 UWMP. In late 2017 and 2018, BCVWD prepared a set of “White Papers” that evaluated the growth in demand within the SGPWA and the current and future

² *Sonoma County Water Coalition v. Sonoma County Water Agency* (2010) 189 Cal. App. 4th 33, 39, taken from SGPWA 2015 UWMP.

³ *Ibid.*

water supply from the SGPWA on a regional basis. The result of this evaluation is a reduction in the rate of growth and a refinement in the imported water supply. This is discussed later in this WSA.

3.2 San Gorgonio Pass Water Agency 2015 UWMP

The Hidden Canyon Industrial Park is located within the service area of the San Gorgonio Pass Water Agency (SGPWA or Pass Agency). BCVWD provided data to SGPWA on BCVWD’s projected demands so the SGPWA could prepare their UWMP. Because the California Department of Water Resources (DWR) required the imported water suppliers to submit their UWMPs earlier than the retail agencies, BCVWD made some preliminary estimates of their demand over the 20-year projection period and provided the projections to SGPWA. These preliminary estimates deviated slightly from the actual demands in BCVWD’s 2015 UWMP. Table 2-4, extracted from SGPWA’s 2015 UWMP, is shown below. SGPWA’s 2015 UWMP states the “retail purveyor demands that reflect reasonably anticipated supplies through the planning periods” and take into account non-SGPWA supplies available to the retail purveyors, such as local groundwater, recycled water, etc.

**TABLE 2-4
PROJECTED WATER DEMANDS ON SGPWA (AF)**

Agency Name	2020	2025	2030	2035	2040
BCVWD ^(a)	10,860	12,476	14,087	15,886	17,334
City of Banning ^(b)	-	501	1,344	2,237	2,718
YVWD ^(c)	1,809	1,967	2,162	2,391	2,644
Other ^(d)	500	1,600	2,800	3,900	5,000
Total Water Demands	13,169	16,544	20,393	24,414	27,696

The “other” demands in Table 2-4 reflect the demand from other agencies in SGPWA service area not currently receiving imported water from SGPWA.

Since the Hidden Canyon Industrial Park project was included in the demands in BCVWD’s 2015 UWMP, it is considered included in the 2015 SGPWA UWMP, adopted by SGPWA Board of Directors as Resolution No. 2017-03, on March 20, 2017.

In the introductory section of the SGPWA’s 2015 UWMP, the SGPWA reviewed the water supply and demand requirements on a regional basis and did not focus on specific conditions within the service area of the retail water agencies.

“It is the stated goal of SGPWA to import supplemental water and to protect and enhance local water supplies for use by present and future water users and to sell imported water at wholesale to local retail water purveyors within its service area. Based on conservative water supply and demand assumptions over the next 25 years in combination with conservation of non-essential demand during certain dry years, the [Urban Water Management] Plan successfully achieves this goal. It is important to note that this document has been completed to address regional resource management and does not address the particular conditions of any specific retail water agency or entity within the SGPWA service area. The retail urban water suppliers within SGPWA service area are preparing their own separate UWMPs, but

SGPWA has coordinated with the retailers during development of this Plan to ensure a level of consistency with the retailers to the extent possible.⁴ [Emphasis added]

BCVWD recognizes and acknowledges the disclaimer statement within the 2015 Urban Water Management Plan prepared by the SGPWA related to regional planning. While the UWMP prepared by the SGPWA "...does not address the particular conditions of any specific retail water agency..." BCVWD relies upon the policies and practices of the SGPWA as a foundation for regional water supply solutions. In other words, while the SGPWA's regional planning document does not address local water conditions, BCVWD does rely upon the policies of the SGPWA to provide comprehensive regional solutions related to the use of imported water in the Pass area. As example of the policies and practices adopted by the SGPWA and relied upon by BCVWD include, but are not limited to the following:

- San Gorgonio Pass Water Agency, Ordinance No. 8, An Ordinance Establishing Rules and Regulations for SGPWA Water Service, February 7, 2005;
- San Gorgonio Pass Water Agency Strategic Plan, May 2012;
- San Gorgonio Pass Water Agency, Resolution No. 2014-02, A Resolution of the San Gorgonio Pass Water Agency Establishing a Policy for Meeting Future Water Demands, February 18, 2014;
- San Gorgonio Pass Water Agency, Ordinance No. 10, Ordinance Establishing Water Shortage Plan, July 21, 2014;
- San Gorgonio Pass Water Agency, Resolution No. 2015-05, Resolution of the Board of Directors of the San Gorgonio Pass Water Agency to Adopt Facility Capacity Fees for Facilities and Water, July 27, 2015;
- San Gorgonio Pass Water Agency, State of the Supply PowerPoint Presentation, September 30, 2016;
- San Gorgonio Pass Water Agency, Ordinance No. 13, An Ordinance Amending Rules and Regulations Regarding Authorization for Service, June 5, 2017.

3.3 BCVWD's 2015 UWMP

There were some minor differences between the projections in BCVWD's 2015 UWMP and the projections provided to SGPWA for their 2015 UWMP. These differences stemmed from the need for BCVWD to provide preliminary demand projections early on so the SGPWA could meet their prescribed deadline.

BCVWD's demands for imported water are presented in Table 6-26 of BCVWD's 2015 UWMP and are repeated in Table 1 below. Table 1 shows the actual imported water demand to meet the potable water demand plus the banking water demand to ensure drought-proofing of future development. If imported water is not available in a given year, no banking will occur. But when

⁴ SGPWA 2015 UWMP

imported water is available, any deficiencies from previous years would be “carried over” and “made up.” As can be seen, there is a slight difference between the demands in Table 1 versus those shown above (Table 2-4) from SGPWA’s 2015 UWMP.

**Table 1
BCVWD Imported Water Needs from BCVWD 2015 UWMP (Table 6-26)**

	2020	2025	2030	2035	2040
BCVWD Drinking Water Demand, AFY	10,313	11,407	12,503	13,843	15,362
Banking Demands, AFY	1,000	1,500	2,000	2,500	2,500
Total BCVWD Imported Water Demand, AFY	11,313	12,907	14,503	16,343	17,862

4. HIDDEN CANYON INDUSTRIAL PARK PROJECT DESCRIPTION

The Hidden Canyon Industrial Park is located in the City of Beaumont and consists of approximately 200 gross acres (146 acres net). The general location of the project is in a portion of northwest quarter of Section 7, T3S, R1W S.B.M and portion of the southwest of Section 6, T3S, R1W SBB&M⁵, within City of Beaumont. The project is located south of State Highway 60 and west of Portero Blvd. and the Portero Interchange over Highway 60, which is under construction.

4.1 Project Description

The Hidden Canyon Industrial Park project is rough graded into two large pads with one building proposed on each pad; one building will be approximately 1,000,000 sq. ft. and the other approximately 1,800,000 sq. ft. Existing 4th Street will be extended from its current end to the western boundary of the Project where it will terminate in a cul-de-sac. The Project consists of a total of approximately 2,800,000 sq. ft. (total floor area) industrial distribution center.

Figure 1 shows the Project Location; Figure 2 is a preliminary plot plan.

There are to be about 800 standard parking spaces and about 850 truck / trailer parking spaces.

The project is required to adhere to the landscaping standards in “Guide to California Friendly Landscaping” and the City of Beaumont’s Landscaping Ordinance which requires water efficient landscaping. Landscaping in non-turf areas shall be drought tolerant and irrigated with drip or bubbler type heads (BCVWD requirement).

⁵ San Bernardino Base and Meridian

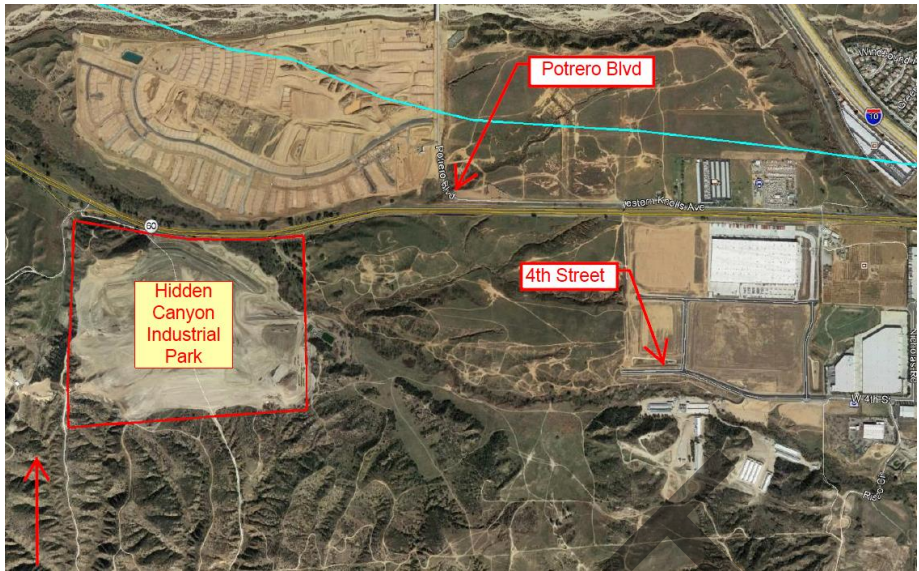


Figure 1 -- Hidden Canyon Industrial Park General Location

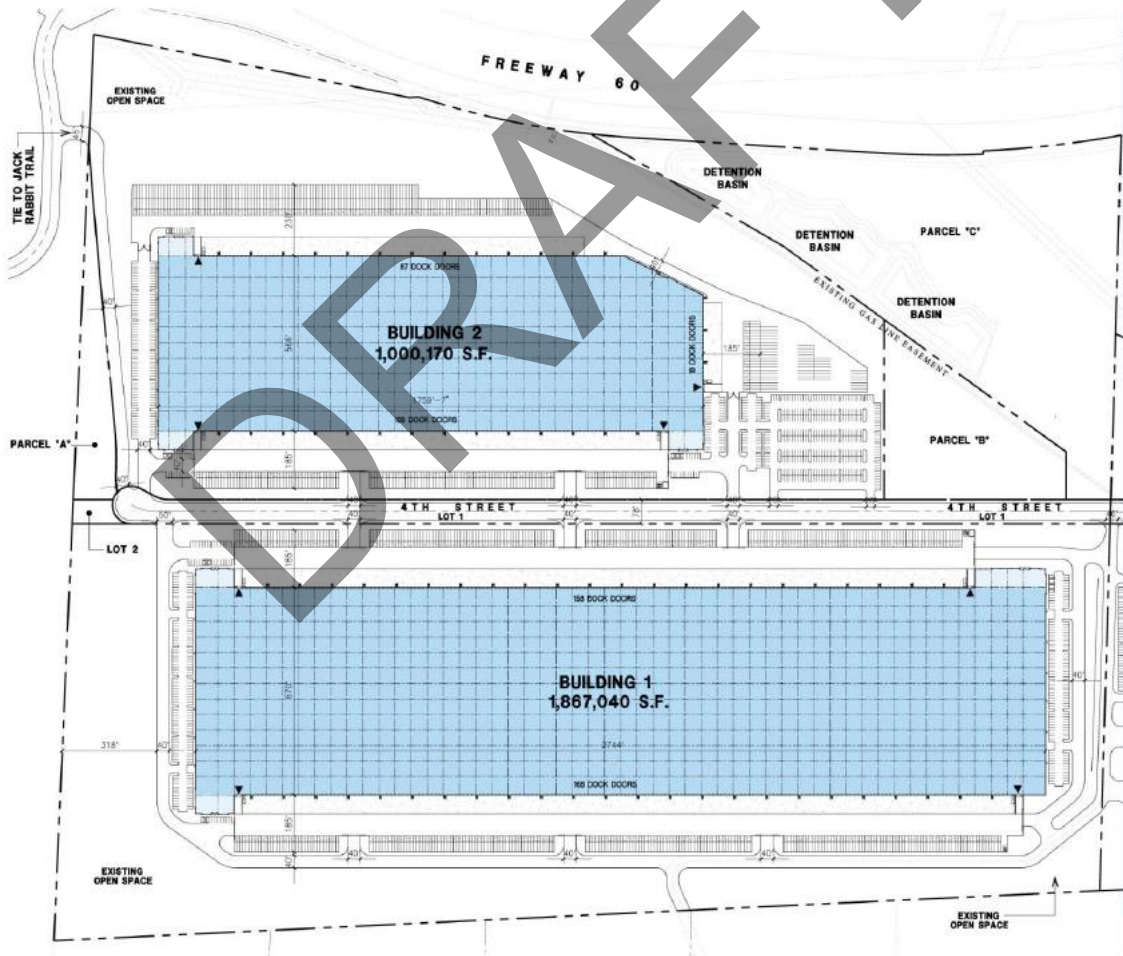


Figure 2 -- Hidden Canyon Industrial Park Plot Plan

4.2 Estimated Water Demand

The water demand for this project has been established based on discussion with District and the City of Beaumont staff. The total project consists of approximately 2.8 million sq. ft. of industrial distribution space. BCVWD has reviewed the total water use for an existing 720,000 sq. ft. industrial distribution center on 4th St. in Beaumont (Wolverine), and noted that the maximum water use for the center in the last 12-months was less than 2,000 gallons per day. The City used an employee count of 9,000 sq. ft. per employee for the Wolverine project. Since the Hidden Canyon Industrial Park project has a possible tenant like Amazon, an estimated 1,500 sq. ft. per employee was used which is supported by studies prepared by NAIOP.⁶ Based on this unit floor area, the total number of persons working at the facility would be approximately 1,866; this was rounded to 2,000 persons. The current developer has estimated to the District that 15 gallons per person per-day (15 gpcd) is the water demand number for these types of projects. District record identify that this amount represents a reasonable estimate of demand. Based on this, the daily indoor demand would be 30,000 gallons per day (gpd) or 24 acre-ft per year (AFY) assuming 260 operating days per year. This is supported by data from the U. S. Energy Information Administration.⁷ It is assumed that based on drought tolerant landscaping measures, the outdoor water demand would be about 35 AFY based on BCVWD's experience with landscape water use at similar large warehouse projects in the same area.

All inside water demands, about 24 AFY, would be met by potable water supplied by BCVWD, and about 35 AFY of non-potable water is used outdoors. It is anticipated that recycled water would be available from the City of Beaumont by March 2020 as per the City of Beaumont and appropriate agreements are being worked on by both parties.

The domestic and fire flow service will be served from District's 2650 Pressure Zone. The Riverside County Fire Department has identified a fire flow requirement for the project 4,000 gallons per minute (gpm) for 4 hours at 20 pounds per sq. in. (psi) residual.

5. BCVWD WATER SYSTEM

BCVWD owns and operates the water system which would serve the Hidden Canyon Industrial Park. BCVWD was first formed in April 1919, to provide domestic and irrigation water to the developing community of Beaumont and the surrounding area. BCVWD was originally named the Beaumont Irrigation District. In 1973, the name was changed to the Beaumont-Cherry Valley Water District. Sometime after that the hyphen was dropped from the name. However, even though the name has changed, the BCVWD's authority comes from the Irrigation District Law of the State of California.

⁶ NAIOP Research Foundation (2010). Logistics Trends and Specific Industries that Will Drive Warehouse and Distribution Growth and Demand for Space, L. Nicolas Ronderos, Director, Urban Development Programs Regional Plan Association, March

⁷ U. S. ENERGY INFORMATION ADMINISTRATION (2012). COMMERCIAL BUILDINGS ENERGY CONSUMPTION SURVEY (CBECS) WATER CONSUMPTION IN LARGE BUILDINGS SUMMARY.

BCVWD owns approximately 2,800 acres of watershed land north of Cherry Valley along the Little San Gorgonio Creek (also known as Edgar Canyon) and Noble Creek. There are two stream diversion locations within Little San Gorgonio Creek that are in the Department of Water Resources, Division of Water Rights, database. The diversions have pre-1914 recorded water rights amounting to 3,000 miners inch hours (MIH) or approximately 45,000 acre-feet per year (AFY) of right for diversion of water for domestic and irrigation uses. However, BCVWD has never had a demand that requires such large quantities of water supply; and the watersheds may not be capable of supplying such quantities during an average year. The creeks/canyons have been used for water development via diversions for irrigation and domestic service since the latter part of the 1800s. Currently, BCVWD diverts water from Little San Gorgonio Canyon Creek into a series of ponds adjacent to the creek where it percolates and recharges the shallow aquifers in the Canyon. BCVWD's wells located in Edgar Canyon provide a significant portion of BCVWD's water supply.

Figure 3 shows BCVWD's present Service Boundary and Sphere of Influence (SOI). BCVWD's present service area covers approximately 28 square miles, virtually all of which is in Riverside County and includes the City of Beaumont and the community of Cherry Valley. BCVWD-owned watershed land extends across Riverside County line into San Bernardino County where BCVWD operates a number of wells and several reservoirs.

BCVWD's SOI, or ultimate service planning area, encompasses an area of approximately 37.5 square miles (14.3 sq. mi. are in the City of Beaumont). This SOI was established by the Riverside and San Bernardino County Local Agency Formation Commissions (LAFCOs). SOIs are established as a planning tool and help establish agency boundaries and avoid problems in service, unnecessary duplication of costs, and inefficiencies associated with overlapping service.

BCVWD's SOI is bounded on the west and north by the Yucaipa Valley Water District (YVWD) and on the east by the City of Banning. The northerly boundary of Eastern Municipal Water District (EMWD) is one-mile south of the BCVWD's southerly SOI boundary. The area between EMWD and the BCVWD's SOI is not within any SOI and could be annexed to either BCVWD or EMWD. BCVWD's SOI in Little San Gorgonio Canyon follows Oak Glen Road. The area west of Oak Glen Road is within YVWD's SOI; east of Oak Glen Road is within BCVWD's SOI.

The service area ranges in elevation from 2,300 feet above mean sea level in Fairway Canyon area of Beaumont on the southwestern boundary, to 2,900 feet in Cherry Valley, and to over 4,000 feet in the upper reaches of the SOI.

The area serves primarily as a "bedroom" community for the Riverside/San Bernardino Area and the communities east of Los Angeles County along the I-10 corridor.

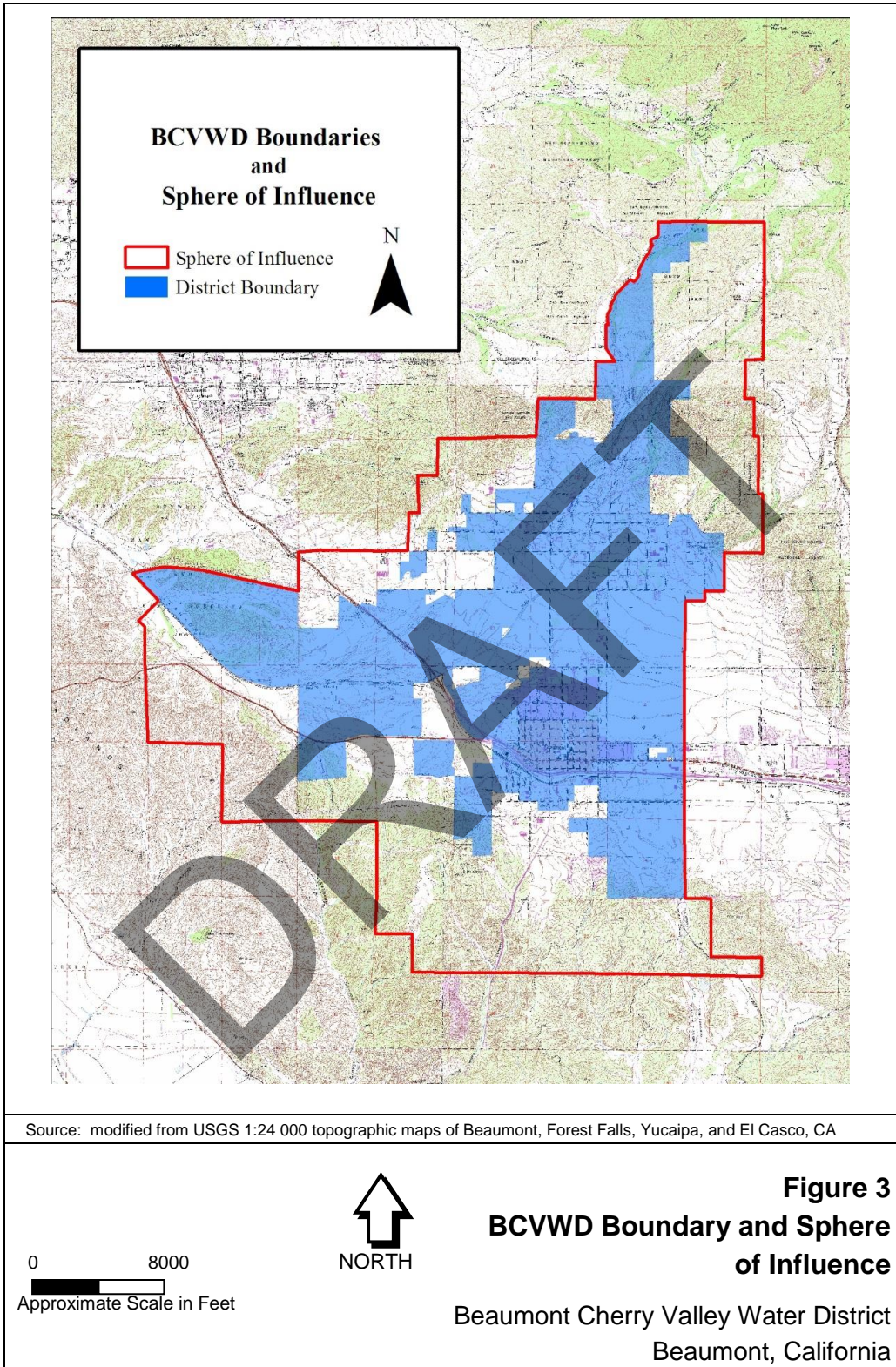


Figure 3 – BCVWD Boundary and Sphere Of Influence

5.1 Overview of BCVWD's Water System and Operation

BCVWD owns and operates both a potable and a non-potable water distribution system. BCVWD provides potable water and scheduled irrigation water to users through the potable water system. BCVWD provides non-potable water for landscape irrigation of parks, playgrounds, school yards, street medians and common areas through its non-potable (recycled) water system.

Table 2 presents BCVWD 2017 potable and non-potable water connections and pumping amounts. The number of connections increased from 5,600 in the year 2000, before the housing boom that encompassed Western Riverside County and particularly Beaumont.

Table 2
BCVWD Potable and Non-potable Water Connections and Deliveries 2017

	Potable Water	Non-potable Water (Landscape)	Total
Number of Connections	18,021 ^(a)	325	18,346
Water Pumped, AFY	11,454 ^(b)	1,612	13,066
Average Annual, mgd	10.2	1.4	11.6
Maximum Day, mgd	19.3 ^(c)	NA	NA

- a) 45 of these connections are agricultural water connections on potable water system.
- b) 148 AF was transferred into Non-potable System for make-up.
- c) Historic maximum day demand was 22.1 mgd in 2009.

5.2 Potable Water System

BCVWD's potable water system is supplied by wells in Little San Gorgonio Creek (Edgar Canyon) and the Beaumont Groundwater Basin (sometimes called the Beaumont Storage Unit or the Beaumont Management Zone). BCVWD has a total of 24 wells; 1 well is a standby. Only 20 of the wells are used to any great extent. Twelve of the wells have auxiliary engine drives, a portable generator connection, or an in-place standby generator. BCVWD has 3 portable generators capable of operating 50, 350 and 500 horsepower (HP) motors. The Beaumont Groundwater Basin is adjudicated and managed by the Beaumont Basin Watermaster⁸. BCVWD augments its groundwater supply with imported State Project Water (SPW) from the SGPWA which is recharged at BCVWD's recharge facility at the intersection of Brookside Ave. and Beaumont Ave. Overall, the water quality from BCVWD's wells is excellent. Total Dissolved Solids (TDS) is usually below 250 mg/L. Nitrates are only a sporadic problem in a few wells at present. BCVWD continues to monitor these wells per State Water Resources Control Board, (SWRCB) Division of Drinking Water (CDDW) requirements. No wells have had to be taken out of service because of water quality concerns.

⁸ San Timoteo Watershed Management Authority vs. City of Banning et al, Superior Court of the State of California, for the County of Riverside, Riverside Court, Stipulation for Entry of Judgement Adjudicating Groundwater Rights in the Beaumont Basin, RIC 389197, February 4, 2004.

Wells in Edgar Canyon have limited yield, particularly in dry years, and take water from shallow alluvial and bedrock aquifers; wells in the Beaumont Basin are large capacity and pump from deep aquifers – some as deep as 1,500 ft. below the ground surface. The Edgar Canyon wells are very inexpensive to operate and are the preferred source; however, those wells are not able to meet the average day demand and need to be supplemented with the Beaumont Basin wells. The Edgar Canyon wells pump to a gravity transmission main that extends the full length of the BCVWD-owned properties in Edgar Canyon. The transmission main connects to the distribution system in Cherry Valley. Water from the Edgar Canyon Wells, which is not used in the developed areas adjacent to Edgar Canyon or Cherry Valley, can be released to lower pressure zones, if needed.

During 2017, the Edgar Canyon Wells provided about 11 percent of BCVWD's total annual potable water supply; the rest is pumped from wells in the Beaumont Basin. BCVWD's total well capacity (Edgar Canyon and Beaumont Basin) is about 33 million gallons per day (mgd). BCVWD is easily able to meet the maximum day demand (historic maximum about 22 mgd) with the largest well out of service. Wells with auxiliary power can supply up to 21.4 mgd.

Because of the range of topographic elevations in the BCVWD's service area, 11 pressure zones are needed to provide reasonable operating pressures for customers.

BCVWD has 14 reservoirs ranging in size from 0.5 million gallons (MG) to 5 MG. Total storage is approximately 22 MG, slightly more than 2 average days or 1 maximum day. The reservoirs provide gravity supply to their respective pressure zones. BCVWD's system is constructed such that any higher zone reservoir can supply water on an emergency basis to any lower zone reservoir. There are booster pumps in the system that allow water to be pumped up from a lower pressure zone to a higher pressure zone also. This provides great flexibility in system operations. Sufficient reservoir redundancy exists permitting reservoirs to be taken out of service for maintenance.

The backbone transmission system in the main pressure zones is primarily 24-in diameter though there are some 30-in diameter pipelines leading to some reservoirs. The bulk of the backbone transmission and distribution pipe is ductile iron with cement mortar lining, that was installed in the last 10 to 15 years. There are a number of small, older, distribution lines in the system that are gradually being replaced over time with minimum 8-in diameter ductile iron pipe. The system is capable of providing over 4,000 gpm fire flow in the industrial/commercial areas of the service area.

5.3 Imported Water and Recharge Facilities

BCVWD imported and storm water recharge facility consists of a 78-acre site on the east side of Beaumont Ave., between Brookside Ave. and Cherry Valley Blvd., where imported water is currently recharged. The recharge project site was selected after extensive hydrogeologic studies and pilot testing over a multi-year period. Phase 1 of the recharge facility, on the westerly half of the site, went on-line in late summer 2006. Phase 2 of the recharge facility was completed in 2014. This site has excellent recharge capability. To date, only imported water has been recharged at the site. Since its operation in 2006 through the end of 2017, 72,121 acre-ft

(23.5 billion gallons) of imported water have been recharged. The capacity of the recharge site is conservatively estimated at 25,000 to 30,000 AFY, based on short term studies. With more aggressive maintenance, the capacity may be as much as 35,000 to 40,000 AFY.

BCVWD and Riverside County Flood and Water Conservation District (RCFWCD) are jointly in design of Beaumont MDP-Line16, a large diameter storm drain in Grand Ave., which drains a watershed area of 505 acres to BCVWD's recharge site. This project should be operational by 2022 and storm water from the project will be recharged. BCVWD also envisions recharging recycled water, not needed for irrigation, at the recharge site in the future, with appropriate treatment and permits.

The SGPWA imports State Project Water (SPW) through the East Branch Extension (EBX) of the California State Water Project (Governor Edmund G. Brown California Aqueduct). EBX Phase I was completed in 2003; EBX Phase II was completed in 2018. The completion of EBX Phase II improvements brings SGPWA's imported water delivery capacity to the Pass Area to 48 cubic feet per second (cfs) or 34,750 AFY if it was operational all year continuously.

BCVWD takes water from a 20-in diameter turnout and metering station at the current end of the EBX at Orchard Ave. and Noble Creek in Cherry Valley. Design of an expansion of this existing turnout is completed and the enlarged turnout should be available in 2019. Water from the turnout is metered by the Department of Water Resources (DWR) and then enters a 3,500-ft long, 24-in diameter gravity pipeline, constructed by BCVWD, which conveys the water to BCVWD's groundwater recharge site.

The 24-in diameter pipeline, designed for 30 cfs, was constructed in 2006. If operated continuously at that rate, the pipeline could convey 21,700 acre-ft per year. The capacity is based on maintaining the pipeline velocity below 10 ft/second. Higher velocities could be tolerated for short periods of time which would result in increased short-term delivery capacity.

5.4 Non-potable (Recycled) Water System

Currently, BCVWD has over 44 miles of non-potable water transmission and distribution system in place. The backbone transmission system forms a loop around the City of Beaumont and is comprised of primarily 24-in diameter cement mortar lined, ductile iron pipe, all installed after year 2000. The system includes a 2 million gallon recycled (non-potable) water reservoir which provides gravity storage for the system. As shown in Table 2, presented previously, at the end of 2017, there were approximately 325 connections delivering just over 1,600 AFY of non-potable water. There are three major non-potable water pressure zones (2800 Zone, 2600 Zone and 2520 Zone); potentially there could be two additional pressure zones (3040 Zone, 2370 Zone).

A 2 MG non-potable reservoir, (2800 Zone Non-potable Water Tank), has been constructed at the BCVWD Groundwater Recharge Site and is piped to receive potable water or untreated SPW through air gap connections. The non-potable water system can have a blend of recycled water, imported, untreated SPW, and potable water.

The 2800 Non-potable Water Zone is currently separated from the 2600 and lower pressure zones. The 2800 Non-potable Water Zone is supplied with water from Well 26, supplemented by potable groundwater introduced into the system through an air gap at the 2800 Zone Non-potable water tank. The 2600 and lower non-potable water pressure zones are supplied with potable water through interconnections between the potable and non-potable water system. BCVWD has a capital project approved to provide fine screening to the SPW prior to entering the 2800 Zone Non-potable Water Reservoir. This project will be implemented when demands increase.

BCVWD is working with the City of Beaumont to secure recycled water for use in the non-potable water system. The City is under construction with expansion and upgrade of their existing wastewater treatment facility to bring it to 6 mgd capacity and will be installing a new membrane bioreactor (MBR) treatment units followed by reverse osmosis membrane treatment. A brine line from the treatment plant to the Inland Empire Brine Line (IEBL) in San Bernardino is also under construction. At this point a draft memorandum of understanding (MOU) between BCVWD and the City for recycled water purchase and use has been developed and is under review. An ad-hoc committee of City Council members and BCVWD Board Members has been formed and is meeting regularly.

When the demand for recycled water for landscape irrigation is less than the supply available, BCVWD may ultimately recharge the surplus recycled water at BCVWD's groundwater recharge facility or some alternative facility with appropriate treatment and permits. Recycled water use and recharge is permitted by the Adjudication.

6. UPDATED WATER DEMANDS IN SAN GORGONIO PASS AREA

In 2018, BCVWD developed a series of White Papers (White Papers No. 1 through 7) that evaluated water supply, water demands, current and future water supply costs, funding requirements and funding strategies considering both BCVWD's service area and the SGPWA as a whole. These White Papers were presented at BCVWD Board Meetings and elsewhere. The purpose of the White Papers was to assess the water supply situation vis-à-vis the growth in demand. The results of this series of White Papers indicated that the regional imported water demands in BCVWD's 2015 UWMP and the SGPWA 2015 UWMP may be overstated, primarily because of over-aggressive growth in demand, limited consideration of recent state-mandated conservation and indoor water use requirements, etc.

6.1 Regional Water Supply and Demand Spreadsheet Models

BCVWD, in cooperation with the other major retailers, developed a Regional Water Demand Spreadsheet or Workbook which included a separate worksheet for each of the three major retailers in the SGPWA service area: BCVWD, City of Banning, and Yucaipa Valley Water District (YVWD)/City of Calimesa. The other water supply agencies, e.g., Cabazon Water District, High Valleys Water District, etc. that are not currently receiving imported water from SGPWA were also included, based on data in SGPWA's 2015 UWMP.

The spreadsheet model allows the water agency to input (and adjust):

- New EDU Water Demand, AFY/EDU
- Existing EDU Water Demand, AFY/EDU
- Infill EDUs/year
- Commercial & Institutional EDUs/yr, %Residential EDUs
- Commercial & Institutional EDUs, Minimum EDUs/yr
- Water Conservation, % Reduction on Existing Demands
- Water Conservation, % Reduction on New Demands
- 2017 Year Ending Potable Water Demand, AF
- Beaumont Basin Groundwater Storage Account Maximum, AF
- Beaumont Basin Groundwater Storage Account 2017 Ending Balance, AF

The demand worksheets included the major development projects in each of the retailer's service area, based on data in specific plans, water supply assessments, regional water resource planning studies, and other sources. The spreadsheets allow the water supply agencies to input their own development rates, on a year by year basis, to adjust anticipated housing startups, build-out years for large developments, and the amount of in-fill development and commercial/institution development; adjust unit water demands for new and existing housing, and account for any anticipated conservation for new and existing demands, among other items. Each water supplier could adjust their imported water banking requirements, and evaluate the impact of their strategies on their own Beaumont Basin storage accounts over time.

The spreadsheet provides a graph of the agency's annual groundwater storage account balance which is automatically updated with any input change. The purpose is to allow the agencies to model, on a year by year basis, various imported water purchase and banking strategies vis-à-vis available imported water from SGPWA. Adjustments can be made to water demands using conservation factors on new and existing (older) housing units; water supply sources can include groundwater, recharged recycled water (indirect potable reuse), and captured storm water. Beaumont Basin Watermaster's redistribution of unused overlie rights and forbearance water are included in the model.

The worksheets were reviewed by the retail water agency managers for reasonableness of growth taking into account the housing market and absorption capacity of the Pass Area. These spreadsheets, and the criteria are summarized below but are described in detail in White Paper No. 6.

Separate spreadsheet models have been developed for:

- BCVWD
- City of Banning, including Banning Heights Mutual Water Company, High Valleys Water District
- YVWD (Summerwind Ranch and Mesa Verde Area)

- All combined

6.1.1 City of Banning

Major development projects in the City of Banning which are included in the Regional Spreadsheet Model are shown in Table 3.

**Table 3
Major Development Projects in City of Banning**

Project Name	Projected EDUs	Estimated Start-up Year	Build-out Years
Butterfield Ranch	4,862	2020	30
Rancho San Gorgonio	3,385	2019	17
Diversified Pacific	98	2021	5
St. Boniface	171	2023	10

Butterfield Ranch was projected to start in 2015 and extend for 30 years to buildout in 2045 per the Project's Water Supply Assessment (WSA). The project recently started grading operations and will probably likely to have homes ready before 2019. There are 4,862 EDUs proposed, or an average of 160 EDUs per year over the 30 year build-out period. Rancho San Gorgonio is planned for 3,385 EDUs and initially projected to start in 2017 and be fully built out by 2034 (17 years) per the Project's WSA (about 200 EDUs per year average over the build-out period). This project has not yet started and probably will not start until 2019 or later.

The spreadsheet for Banning included two other projects:

- Diversified Pacific (98 EDUs)
- St. Boniface (171 EDUs)

Specific years when these projects are to begin were not stated, nor were the buildout years. The spreadsheet assumes 2021 and 2023, respectively, for starting and build out years of 5 and 10 years, respectively.

In the development of the spreadsheet model for the City of Banning, the San Gorgonio Integrated Regional Water Management Plan (SGIRWMP), May 2, 2018 (Revised August 1, 2018) was analyzed in addition to the City's 2015 UWMP. The SGIRWMP covered the SGPWA service area generally east of Highland Springs Avenue. The SGIRWMP integrated three separate studies:

- Water Supply Reliability Study
- San Gorgonio Region Recycled Water Study
- San Gorgonio Integrated Watershed and Groundwater Model Technical Memorandum

The City of Banning has firm groundwater supplies from the Banning Storage Unit, Banning Bench Storage Unit, Cabazon Storage Unit, and Banning Canyon Storage Unit totaling 9,675 AFY.⁹

In addition, in accordance with the Adjudication, the City of Banning is entitled to 31.43% of the unused overlier pumping rights in the Beaumont Storage Unit. Watermaster developed estimates for years 2018 through 2022 and are included in the spreadsheet. The amount of unused pumping rights varies from year to year, depending on hydrologic conditions and other factors, and is evaluated by Watermaster annually. The 2017 Annual Watermaster Report (Draft) indicates that Banning's reallocated unused overlier pumping amount for 2020 is 1,450 AFY, slightly more than that reported in the City's 2015 UWMP. As some of the overlying parties develop their properties, the overlier rights will be used by the potable water and recycled water supplying agency and will no longer be available for reallocation. As a result the total amount subject to reallocation will decrease over time. BCVWD made an estimate of the unused overlier pumping rights under a "developed" or "build-out" condition and estimated the total unused overlier amount would be 1,800 AFY under full buildout. The City of Banning's share (31.43%) would be 560 AFY (rounded) at buildout. The spreadsheet allows for the gradual reduction of the unused overlier pumping rights over time. It is projected by BCVWD to decrease to 560 AFY by 2030 or so as the overlying properties develop.

The City of Banning has 51,961 AF banked in their Beaumont Basin Storage account at the end of 2017 per Watermaster. For the period 2008 through 2017, the City of Banning has recharged an average of 1,294 AFY of SPW in BCVWD's recharge facility. The City can store up to 80,000 AF.

Table 4 presents a summary on the Supply-Demand Spreadsheet Model for the City of Banning. The year 2040 data was projected from previous years since the model currently only extends to 2035.

Table 4 was based on the following criteria:

- 2017 Ending Potable Water Demand: 7,500 AFY
- New EDU water demand: 0.52 AFY/EDU
- Existing EDU water demand: 0.62 AFY/EDU
- No demand reduction due to conservation on either existing or new EDUs

This was reviewed by the City of Banning. Table 4 indicates that the City of Banning has adequate local supply until 2035. Note that Banning's Beaumont Basin Groundwater Storage Account is full in 2030. (Per the spreadsheet model it actually fills in 2027). This indicates that the City of Banning has minimal imported water needs from SGPWA until 2040.

⁹ Extracted from Table 5-4 in Banning 2015 UWMP.

**Table 4
Summary of Spreadsheet Supply-Demand Model for City of Banning**

Demand or Supply	Year					
	2018	2020	2025	2030	2035	2040
Total New EDUs/year		218	388	706	220	220
Potable Water Demand, AFY	7,504	7,678	8,406	9,902	10,832	11,400
Banning/Cabazon Groundwater, AFY	9,675	9,675	9,675	9,675	9,675	9,675
Beaumont Reallocated Overlier Rights, AFY	2,001	1,450	1,100	600	560	560
Total Local Supply, AFY	11,676	11,125	10,775	10,275	10,235	10,235
Surplus/(Deficiency)	4,172	3,447	2,369	373	(597)	(1,165)
Imported Water, AFY						1,000
Groundwater Storage Account, AF	56,133	63,100	77,573	80,000	78,415	76,510

6.1.2 YVWD/City of Calimesa

Major development projects in the YVWD service area within SGPWA (principally the City of Calimesa) which are included in the Regional Spreadsheet Model are shown in Table 5.

**Table 5
Major Development Projects in YVWD in SGPWA (City of Calimesa)**

Project Name	Projected EDUs	Estimated Start-up Year	Build-out Years
Summerwind Ranch	3,841	2019	20
Mesa Verde	3,650	2022	20
JP Ranch (a)	500	2025	10

(a) Per discussions with J. Zoba, General Manager, YVWD.

To develop the spreadsheet for YVWD, several references were reviewed for YVWD's water supply and projected demands within their service area lying within the SGPWA boundaries:

- 2015 SGPWA UWMP
- 2015 San Bernardino Valley Regional UWMP
- Mesa Verde Water Supply Assessment (WSA) – Draft August 11, 2017
- YVWD Strategic Plan For Sustainable Future (Adopted August 20, 2008)

The EDUs for Summerwind Ranch and Mesa Verde were taken from the Specific Plans for these projects. Grading is in process for Summerwind Ranch, so the first homes should come “on-line” in 2019. Mesa Verde is estimated to start in 2022. An estimated 20 year build-out time for Summerwind Ranch and Mesa Verde was assumed, resulting in an average of 192 and 183 EDUs per year, respectively. Per YVWD, future phases of JP Ranch will likely not start until 2025 with a 10-year build-out period (about 50 EDUs per year). It should be noted there will be additional EDUs associated with the developments for related commercial and retail developments, schools, parks, restaurants, etc.

Water supply sources for these projects are:

- Reallocated unused overlie pumping rights in the Beaumont Basin
- Oak Valley Partners’ earmarked transfer right
- Banked groundwater from storage
- Imported Water from SGPWA
- Treated potable water from the YVWD’s Regional Water Treatment Plant

In accordance with the Adjudication, YVWD’s share (13.58%) of the reallocated unused overlie pumping right was determined by Watermaster for 2018 through 2022 and reported in the 2017 Watermaster annual report. To project the amount available under more long term conditions, BCVWD made an evaluation of a fully developed condition of the developable overlie parcels as shown on the worksheet in the spreadsheet. BCVWD believes the total unused overlie right at build-out will be about 1,800 AFY; YVWD’s share will be about 240 AFY (rounded).

Both Mesa Verde and Summerwind Ranch are part of the original Oak Valley Development that started with the Landmark Land Company of California in the 1980s. The original Landmark Project was a master planned golf/recreational development. Oak Valley Partners (OVP) took over the project and were involved in the Beaumont Basin Adjudication. OVP has overlying groundwater rights in the Beaumont Basin [originally 1,806 AFY but reduced to 1,398.9 AFY, (round to 1,399 AFY), after the safe yield was reduced in 2014]. These overlie groundwater rights will be transferred to YVWD to serve the Summerwind Ranch development only per YVWD.

YVWD uses 700 gal/day/EDU (0.78 AFY/EDU) for total water demand for existing EDUs; but requires all new development to be dual-plumbed and requires the use of recycled water outside. Potable water demands are estimated by YVWD to be 40% of the total water demand, i.e. 280 gal/day/EDU (0.37 AFY/EDU) with the remainder, i.e., 420 gal/day/EDU to be recycled water. It is BCVWD’s opinion that the Adjudication requires OVP to forebear the pumping of their 1,399 AFY overlie pumping right, on an acre-ft by acre-ft basis, for both potable and recycled water.

YVWD has groundwater banked in the Beaumont Basin; at the end of 2017, per Watermaster, the amount in storage was 15,776 AF. YVWD has a 50,000 AF storage account.

The following Table (Table 6) was extracted from the Mesa Verde WSA. The Mesa Verde WSA indicates 1,200 AFY is proposed to be recharged (banked) by YVWD from 2020 through 2040. YVWD developed a Strategic Plan for a Sustainable Future, The Integration and Preservation of

Resources for a Sustainable Future (adopted August 2008) which identified a groundwater banking program for future reliability for droughts and disruption in the SPW supply as shown in Table 6. The Plan indicates a Board Policy of banking of 15 percent of the total water supply used by the YVWD’s customers. Data was not available to confirm the 1,200 AFY in Table 6; but 1,200 AFY is used in the spreadsheet model.

The total of the drinking water demands for the Water Filtration Facility plus the Conjunctive Use Demands match with the projected imported water demands in the SGPWA 2015 UWMP as shown in Table 2-4 presented previously.

**Table 6
YVWD SGPWA Imported Water Demands**

Imported Water Demands from the San Geronio Pass Water Agency (Acre-feet)	2015	2020	2025	2030	2035	2040
Drinking Water Demands: Yucaipa Valley Water Filtration Facility	454	609	767	962	1,191	1,444
Conjunctive Use Demands -Local Water Banking	0	1,200	1,200	1,200	1,200	1,200
New Development Long-Term Supply - Sustainability Program	0	2,504	3,040	3,596	4,344	3,407
Purchase from SGPWA	454	4,313	5,007	5,758	6,735	6,051

Source: Mesa Verde Project WSA Draft August 11, 2017, page 25

Table 6 also identified “New Development Long-Term Supply—Sustainability Program which relates to YVWD’s Strategic Plan for a Sustainable Future, mentioned above. YVWD requires all new developments to provide funding to secure 7.0 AF of supplemental imported water per EDU. This amount of water is sufficient to meet the drinking water demands generated by each new EDU for a period of 20 years. YVWD also offers a Crystal Status Development Program whereby the developer provides funding for 15.68 AF of supplemental imported water per EDU which is sufficient to meet the potable and non-potable (recycled) water demands of the new EDU for 20 years. The difference between the two programs is that under the standard (7.0 AF/EDU) program, development will be restricted, (i.e., no grading or building permits will be issued), when a Stage 2 water shortage is declared (10% cutback). However, Crystal Status Development can continue through a Stage 4 Shortage (35% cutback). The 7.0 AF/EDU will not need to be replenished for 20 years. For this spreadsheet, the Standard 7.0 AF/EDU imported water purchase and storage is used, since it is difficult to determine how many new developments will purchase Crystal status. This is conservative.

The spreadsheet assumes that 7.0 AF/EDU will be applied to all new developments (Mesa Verde and JP Ranch) in YVWD, except for Summerwind Ranch, which has overlier pumping rights available to meet its projected demands.

Table 7 presents a summary on the Supply-Demand Spreadsheet Model for YVWD in the SGPWA service area, i.e., principally the City of Calimesa. Year 2040 data was projected from previous years since the model currently only extends to 2035.

Table 7 was based on the following criteria:

- 2017 Ending Potable Water Demand: 500 AFY
- New EDU water demand: 0.37 AFY/EDU
- Existing EDU water demand: 0.78 AFY/EDU
- Water demand reduction from conservation on new EDUs: 10%
- Water demand reduction from conservation on existing EDUs: none

Table 7 indicates that YVWD, in SGPWA service area has sufficient local supply to meet demands until 2025, at which time imported water will be needed unless YVWD plans on withdrawing water from their storage account. The YVWD Beaumont Basin Groundwater Storage Account is full in 2030 primarily because of the “Sustainability Water” which is banked. YVWD’s total imported water demands reported in the Mesa Verde WSA differs from YVWD’s imported water demands in the SGPWA 2015 UWMP presented earlier.

**Table 7
Summary of Spreadsheet Supply-Demand Model for YVWD (City of Calimesa)**

Demand or Supply	Year					
	2018	2020	2025	2030	2035	2040
Total New EDUs/year		83	464	551	551	500
Potable Water Demand, AFY	503	544	1,065	2,054	3,058	4,062
Oak Valley Partners Earmark Transfer, AFY	3	50	586	1,399	1,399	1,399
Beaumont Reallocated Overlier Rights, AFY	864	627	400	240	240	240
Total Local Supply, AFY	867	677	986	1,639	1,639	1,639
Surplus/(Deficiency)	364	133	(79)	(415)	(1,419)	(2,423)
Imported Water for Regional Filtration Facility, AFY (a)	500	609	767	962	1,191	1,444
Imported Water for Banking, AFY (a)		1,200	1,200	1,200	1,200	1,200
Imported Water for Sustainability, AFY	49	51	1,655	2,260	2,260	2,260
Total Imported Water, AFY	549	1,860	3,622	4,422	4,651	4,880
To (From) Storage, AFY	913	1,993	3,542	4,007	3,232	2,457
Groundwater Storage Account, AF	16,689	19,397	32,825	50,000	50,000	50,000

(a) Source: YVWD’s Mesa Verde WSA, pg. 25, SGPWA SPW or equivalent used at Filtration Plant

6.1.3 BCVWD

6.1.3.1 City of Beaumont Development

Major development projects in the BCVWD service area, which are included in the Regional Spreadsheet Model, are shown in Table 8. The projected EDUs planned or yet to be built are estimated and may vary slightly from City of Beaumont Project Status Report estimates.

**Table 8
Major Development Projects in Planning or Construction Stages**

Project Name	Projected EDUs (Planned or Yet to be Built End 2017)	Estimated Start-up Year	Build-out Years
Tournament Hills Ph 4	281	2020	4
Sundance ^(a)	1,262	2018	5
Fairway Canyon ^(a)	1,810	2019	20
Heartland Olivewood ^(a)	1,081	2018	20
Four Seasons ^(a)	203	2018	3
Kirkwood Ranch	391	2022	12
Potrero Creek Estates	700	2025	10
Noble Creek Meadows	648	2021	15
Hidden Canyon Industrial ^(a)	82	2019	5
Sunny Cal Egg Ranch	529	2019	10
Jack Rabbit Trail	2,000	2030	25
The Preserve/Hidden Canyons	3,218	2025	25
Taurek	244	2022	20
TR 32950 Manzanita	95	2022	10
Other Projects on City of Beaumont's Project Status List (10/18/2018)			
Sundance Corporate Center ^(a)	---	2018	2019
Rolling Hills Ranch Industrial Ph 2	---	2020	2021
Centerpointe Commercial ^(a)	---	2018	2019
San Gorgonio Village Ph 2	---	2020	2021
Total EDUs	12,545		

(a) Under construction;

Figure 4 shows the number of single family home building permits issued in the City of Beaumont for the years 2002 through 2018. (Year 2018 was estimated based on data through September

2018.) Although not shown in the Figure, the permit applications started to increase in 1999-2000 and reached their peak in 2005 with 2,300 new home permits issued for that year. The number of permits for new homes declined to a low of 169 in 2011. Over the last 10 years, permits averaged 396 per year, and 508 over the last 5 years. The 16-year average was 747 per year. Future growth will likely be in the range of 450 to 650 permits per year, although some developers have projected slightly higher amounts in their build-out forecasts.

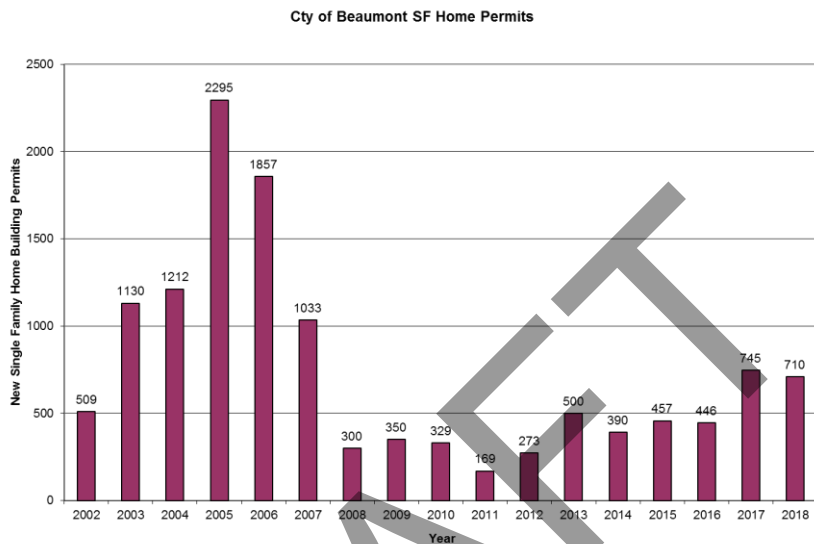


Figure 4
City of Beaumont Single Family Home Permits

The EDUs in Table 8 total 12,545; at the rate of 480 to 500 EDUs/year, it would take about 25 years to construct these units or about 2040 or slightly beyond.

6.1.3.2 Cherry Valley Growth and Development

The ultimate build-out population for that portion of Cherry Valley served by BCVWD, based on the Pass Area Land Use Plan^{10 11} densities, was estimated to be 21,700 people or about 7,750 EDUs. This was BCVWD's estimate in 2009, developed by BCVWD, using GIS land use data from Riverside County and typical development densities for the various land uses in the General Plan. The 21,700 people included 6,736 people in the City of Calimesa. BCVWD will not be serving the City of Calimesa as this is within YVWD's service area. As a result, the 21,700 population estimate, to be served by BCVWD, may be overestimated, BCVWD now believes it to be closer to 15,000 people at build-out, or about 5,350 EDUs. The build-out population is based on an increase from 2.43 persons per EDU, currently, to 2.8 persons per EDU projected at build-out.

There were 2,874 housing units in Cherry Valley in 2010 per the census data, but 26.6% of those are mobile homes. Adjusting for the reduced water use in mobile homes, the 2,874 housing

¹⁰ Pass Area Land Use Plan, October 7, 2003, Part of Riverside County General Plan.

¹¹ The Pass Area Plan, County of Riverside General Plan Amendment 960, Draft March 2014.

units are equivalent to about 2,485 EDUs. The Sunny Cal Egg Ranch Development, (529 EDUs from Table 8 above), is included with the City of Beaumont's development projects, but is actually within the current Cherry Valley census area. The 529 Sunny Cal EDUs and would have been included in the projected 2,865 EDU increase for Cherry Valley, (5,350 EDUs – 2,485 EDUs). To avoid "double counting EDUs," the Sunny Cal Egg Ranch EDUs were deducted from the 2,865 EDUs, resulting in a net projected 2,336 EDU increase for Cherry Valley to build-out. The buildout population and EDUs will be revised in future updates of the BCVWD Potable Water Master Plan and UWMPs.

BCVWD believes Cherry Valley will be growing at a low rate keeping with its character of residential rural community, and estimated to be less than 10 EDUs/year until the City of Beaumont's currently planned projects are developed. Once the City of Beaumont has developed, Cherry Valley will begin to be developed at a gradually increasing rate, perhaps increasing to 30 to 50 EDUs/year, but this is not expected to occur until after 2040.

6.1.3.3 Verification of Water Demands in BCVWD Service Area

A key to forecasting future demand in BCVWD's service area was a determination of the demand each new housing unit was placing on the water supply system. BCVWD performed a detailed analysis of individual housing unit demand, i.e., the Equivalent Dwelling Unit (EDU) demand. Up through and including BCVWD's 2013 Potable Water Master Plan and 2013 UWMP, the EDU demand was 0.65 AFY/EDU; for the 2015 UWMP, the EDU demand moving forward was 0.62 AFY/EDU. BCVWD believed these EDU demands overestimated the water demand for new housing units because of a number of factors:

- Increased use of ultra-low flow toilets and flow-restricting plumbing fixtures, and low water using, high efficiency appliances, (dishwashers, washing machines, etc.)
- New landscape ordinances requiring low water using plantings and limitations on turf area.
- Smaller lot sizes with reduced landscape area, particularly turf.
- State ordered limitations on indoor water use (Governor's Executive Orders "Making Conservation a California Way of Life.")

In summer 2018, BCVWD staff reviewed metered water consumption data for 32 housing tracts constructed from 2006 through mid-2018, with meter install dates from 2006 through early 2018. The database included over 3,100 housing units. Metered water use data for the entire 2018 was not available at the time of the study, so staff projected the missing 2018 water use on the basis of the ratio of the historic billing period usage for the tract to average annual usage for the tract for 2016 and 2017. The results of the study for all 32 tracts are shown in Table 9.

To identify the actual AFY/EDU for planning purposes, the commercial, industrial and institutional (CII) demand should be added. Based on BCVWD's Public Water Supply Reports which are submitted annually to the SWRCB, the CII water use in the BCVWD's service area is about

13.6% of the single family residential potable water demand based on 2015 data.¹² In the future, it is likely that the CII water use will also decrease, but the amount is uncertain. Adding 13.6% to the average in the table above results in 0.463 AFY/EDU.

**Table 9
Unit Water Demands for New EDUs in BCVWD Service Area**

Parameter	AFY/EDU
Average	0.408
Median	0.384
75 th percentile	0.533

SGPWA, in their Revised Capacity Fee Nexus Study used a water demand factor of 0.548 AFY/Single Family Home, equivalent to 0.548 AFY/EDU; multi-family was 0.267 AFY/EDU. Slightly larger water use factors were used in the unincorporated County Area. Commercial and Industrial water use equivalents were determined separately.¹³

BCVWD, in the development of their water demand for future growth, used 0.546 AFY/EDU which is reasonably consistent with SGPWA and slightly above the 75th percentile AFY/EDU determined from the water use study of new tracts completed by BCVWD, presented in Table 9 above.

6.1.3.4 Supply Demand Model for BCVWD

Table 10 presents a summary of the spreadsheet model for BCVWD’s demand which was based on the following criteria:

- 2017 Ending Potable and Non-potable Water Demand: 12,981AFY
- New EDU water demand: 0.546 AFY/EDU
- Existing EDU water demand: 0.62 AFY/EDU
- Water demand reduction from conservation on new EDUs: 5%
- Water demand reduction from conservation on existing EDUs: 5%

BCVWD’s source of supply consists of:

- **Edgar Canyon (Little San Gorgonio Creek) Groundwater.** The annual yield for Edgar Canyon is based on 33 years of pumping records. The average annual production for the period 1983 – 2017 was 2,135 AFY, which was rounded to 2,100 AFY in the spreadsheet. However, for 2018, the production was reduced to 1,700 AFY to account for the reduced production in some wells due to reduced pump efficiency. These pumps are in the process of being refurbished and should be at full production in Spring 2019. They will be refurbished on a regular basis from now on.

¹² As reported in BCVWD 2015 UWMP, Table 4-1.

¹³ SGPWA 2015. Capacity Fee Study for San Gorgonio Pass Water Agency, prepared by David Taussig and Associates, Inc., July 15.

- **Beaumont Basin**

- **Reallocated Unused Overlier Pumping Rights** – Watermaster provided the amount of reallocated overlier rights in the 2017 Draft Annual Report for each year up to 2022. BCVWD was allocated 2,706 AF in 2018 and 1,962 AF in 2020. Thereafter, BCVWD made an estimate based on production and development of the overlies’ property. BCVWD estimated the long-term, fully developed, unused overlying party pumping rights would be about 1,800 AFY. BCVWD gets 42.51% of the unused overlier pool each year. At full development, BCVWD estimates its share is 760 AFY.

**Table 10
Summary of Spreadsheet Supply-Demand Model for BCVWD**

Demand or Supply	Year					
	2018	2020	2025	2030	2035	2040
Total New EDUs/year	381	580	460	552	458	297
Potable and Non-potable Water Demand, AFY	13,129	13,668	14,841	16,032	17,192	18,100
Edgar Canyon, AFY	1,700	2,100	2,100	2,100	2,100	2,100
Beaumont Reallocated Overlier Rights, AFY	2,706	1,962	1,200	760	760	760
Forbearance Water (Sunny Cal Egg Ranch), AFY	0	50	200	340	340	340
Recycled Water City of Beaumont, AFY	0	1,556	2,188	2,840	3,487	3,930
Stormwater Capture, AFY	0	0	250	250	250	250
Other Local Water Resource Projects, AFY	0	0	250	250	250	250
Total Local Supply, AFY	4,406	5,668	6,188	6,540	7,187	7,630
Surplus/(Deficiency), AFY	(8,723)	(8,000)	(8,653)	(9,492)	(10,005)	(10,470)
Imported Water for Replenishment, AFY	8,723	8,000	8,653	9,492	10,005	10,470
Imported Water for Drought proofing, AFY	1,000	1,000	2,000	2,500	2,500	2,500
Total Imported Water, AFY	9,723	9,000	10,653	11,992	12,506	12,970
To (From) Storage, AFY	1,000	1,000	2,000	2,500	2,500	2,500
Groundwater Storage Account, AF	33,296	35,296	41,296	51,796	64,296	76,796

- **Forbearance Water** is credited to a water supplier by Watermaster for any potable and/or recycled water provided to an overlier when the overlier’s property develops. The overlier forbears pumping the equivalent amount of water supplied. BCVWD will be supplying the Sunny Cal Egg Ranch Development with both potable and recycled water at some point. Sunny Cal Egg Ranch and

associated partners are overlying parties and have pumping rights. BCVWD estimates that fully developed demand from recycled and potable water is about 340 AFY. The amount of forbearance water will increase over time from zero AFY to 340 AFY as the project develops to anticipated buildout in 2030.

- **Water from Groundwater Storage** – BCVWD has an 80,000 AF storage account in the Beaumont Basin. As of the end of 2017, there were 32,296 AF in storage per Watermaster’s 2017 Annual Report. BCVWD’s plan, which is shown in BCVWD’s 2015 UWMP, envisions banking from 1,000 AFY to 2,500 AFY to drought proof BCVWD. This is accounted for in the spreadsheet each year. Should there be a year when the projected amount cannot be delivered by SGPWA, any deficiency will be made up in successive years when adequate supply is available. Table 10 shows that for average water supply conditions, banking is anticipated every year and no water will be withdrawn from storage.
- **Recycled Water from the City of Beaumont** – The City of Beaumont is required by Regional Water Quality Control Board (RWQCB) Order No. R8 -2015-0026 to have recycled water put to beneficial reuse by March 1, 2020. The City started construction of the construction of the new wastewater treatment plant, reverse osmosis desalting unit, and the required brine line from the wastewater treatment plant to the Inland Empire Brine Line (IEBL), in San Bernardino. The City has completed and has an approved Title 22 Engineering Report for the Treatment Facilities. The City and BCVWD have a draft Memorandum of Understanding (MOU) which will form the basis for an agreement on the sale and reuse of recycled water from the new treatment plant. BCVWD and the City are working jointly on defining the pumping and storage requirements at the treatment plant. The City will be the recycled water producer; BCVWD the distributor. BCVWD is in process of completing their Title 22 Engineering Report for the Distribution and Reuse Applications. BCVWD has developed draft rules and regulation for recycled water use and developed a cross-connection testing and control plan which has been approved by the SWRCB Division of Drinking Water. At this time, recycled water is assumed to only be used for non-potable uses. In the future, as more recycled water becomes available during the late fall, winter, and early spring, BCVWD and the City will develop an advanced treatment facility and secure permits for groundwater recharge of the surplus effluent. BCVWD and City will discuss providing recycled water to the Oak Valley Greens and/or Tukwet Canyon Golf Courses in exchange for forbearance water which will increase BCVWD’s potable water supply.

The BCVWD spreadsheet model is based on 0.25 AFY/EDU (225 gallons/day/EDU) connected to the City’s wastewater system. The City is obligated to maintain a 1.8 mgd discharge to Cooper’s Creek for habitat maintenance; the available recycled water accounts for this 1.8 mgd “loss.” A capacity factor 75% is applied to the available wastewater to account for brine discharge, recycled water used on the plant site for maintenance, and water contained in the biosolids, hauled off-site.

- **Storm Water Capture** – BCVWD and Riverside County Flood and Water Conservation District (RCFWCD) are jointly working on a Santa Ana Watershed Project Authority

(SAWPA) Grant Project to design and construct Beaumont MDP-Line 16 storm water capture project, also known as the Grand Avenue Storm Drain in Cherry Valley. The project is partially funded under the Integrated Regional Water Management Implementation Grant Program under Proposition 84. A detailed analysis of the runoff potential was performed using 77 years of daily rainfall records from the Beaumont Rain Gage with the runoff determined for each storm using the Natural Resources Conservation Service (NRCS) curve number method. An estimated 200 to 230 AFY can be captured with MDP-Line 16 project. Other projects, in and around the BCVWD recharge facility, will capture excess flow in both Brookside Ave and Beaumont Ave to increase the annual capture (long term average) to 250 AFY.

- **Other Local Water Resource Projects** – BCVWD has several other local water resource projects which can be implemented including:
 - High nitrate groundwater at the mouth of Edgar Canyon. This groundwater can supplement the recycled water/non-potable water system flow in the summer, high demand months, making well water available for potable water use. BCVWD believes as much as 300 AFY can be captured and reused.
 - San Timoteo Canyon Extraction Wells to capture groundwater from the Beaumont Basin flowing into San Timoteo Canyon and also to capture City of Beaumont wastewater flow discharged to Cooper’s Creek once the water has percolated and is no longer available for habitat maintenance. It is estimated that 400 to 800 AFY can be captured and put into the recycled water/non-potable water system to meet summertime demands.
 - For purposes of this WSA, 250 AFY are assumed to be available with the initial phases of these projects.
- **Imported Water from SGPWA** -- The amount of imported water which BCVWD is able to purchase and recharge is only the amount left over after YVWD, the City of Banning, and others have purchased the amount each needs to meet their demands and banking. The amount available from the SGPWA collectively is discussed later in this WSA. BCVWD has enter into an agreement, and participated financially, with the SGPWA for a share of the yield from the Sites Reservoir Project. This is discussed later in this WSA.

6.2 Summary of Member Agency Imported Water Demands on SGPWA

Table 11 presents a summary of the spreadsheet model demands for the City of Banning, YVWD/Calimesa, and BCVWD from Tables 4, 7, and 10 presented previously. The imported water demands include from 4,792 to 7,912 AFY for banking and drought proofing. Table 11 also includes a projected amount of imported water for member agencies in SGPWA that are not currently taking SPW. These amounts were taken from SGPWA’s 2015 UWMP. BCVWD believes these amounts are very conservative considering the growth rates in the Pass Area.

7. SGPWA AVAILABLE IMPORTED WATER

At the present time (2018) the “firm” supplies of imported water available to SGPWA, (or in the final stages of being finalized), between now (2018) and 2040 are:

- Table A
- Yuba Accord Water
- SBVMWD (agreement is in final stages of development)
- AVEK (Nickel Water)
- Ventura/Casitas Water Lease/Purchase
- California Water Fix (CWF)
- Sites Reservoir (Sites)
- Purchase of State Water Project Contractors Incremental CWF Reliability Benefits
- Purchase or Leasing of Metropolitan's CWF Phase 2 Water
- Other Sources Available through SWP

These are discussed in White Paper No. 6, but reiterated here.

**Table 11
Regional Summary of Spreadsheet Supply-Demand Model for SGPWA**

Demand or Supply	Year					
	2018	2020	2025	2030	2035	2040
Potable Water Demand, Banning YVWD/Calimesa, BCVWD (Potable and Non-potable), AFY	21,135	21,890	24,312	27,987	31,083	33,562
Local Supply, Banning YVWD/Calimesa, BCVWD, AFY	16,949	17,470	17,949	18,454	19,061	19,404
Imported Water Demand, incl. drought proofing, etc., AFY	10,272	10,860	14,274	16,414	17,157	18,950
Total Imported and Local Supply, AFY	27,221	28,330	32,223	34,868	36,218	38,354
Total to (from) Regional Groundwater Storage, AF	6,085	6,440	7,912	6,881	5,135	4,792
Regional Groundwater Storage, not incl. SGPWA, AF	106,118	117,793	151,694	181,796	192,711	217,529
SGPWA Imported Water Demands for those agencies not currently taking imported water, from SGPWA 2015 UWMP, AFY		500	1,600	2,800	3,900	5,000
Total Imported Water Demand, AFY	10,272	11,360	15,874	19,214	21,057	23,950
Total Imported Water Demand, without banking or drought proofing, AFY	9,223	9,109	11,019	13,254	15,097	17,924

7.1 State Water Project (SWP) Table A

SGPWA's contract with the Department of Water Resources (DWR) states a Table A amount of 17,300 AFY. Table A is the maximum amount of water the SGPWA can convey through the SWP facilities. This amount of water is not available consistently every year. In fall of each year, DWR provides an initial delivery allocation as a percent of Table A depending on amount of

water in reservoir storage and anticipated hydrologic conditions. The allocation can be increased or decreased depending on the precipitation during the winter; a final allocation is usually issued in spring and sets the amount of water available, as a percentage of Table A, from the SWP. Since 1992, the allocation has averaged about 65%. DWR has prepared a reliability study¹⁴ which indicated the SWP can deliver only about 62% of Table A (10,726 AF to SGPWA) in any one year. Table B-5B, in DWR's Bulletin 132-17, forecasts the amount of SPW delivered to SGPWA in future years at 10,380 AFY (60% reliability). For consistency purposes 10,380 AFY is the amount which SGPWA can rely on at the present time.

In the discussions over the CWF, experts believe the current SWP reliability of about 62% will decrease over time to 48%, or possibly even lower, due to anticipated additional regulatory constraints to protect threatened and endangered fish within the Delta. The length of time over which this decline in reliability will occur is not certain, but to be conservative, it is assumed that by 2035, the SWP reliability will decrease to 48%. Implementation of CWF by 2030 to 2035 will restore reliability and possibly even increase it above the current 60% to 62% reliability.

For planning purposes in this WSA, the SWP delivery reliability is assumed to decline at rate of linearly from 2018 to 2035. So by the year 2035, with a delivery reliability of 48%, the SGPWA can expect only about 8,300 AFY from the SWP. Once the CWF is in place, the reliability will be restored, and, perhaps be slightly improved, over its current 62% reliability.

7.2 Yuba Accord Water

Through the Yuba Dry Year Transfer Program, the official name for Yuba Accord Water, SGPWA can purchase additional supplemental water from Yuba County Water District under an agreement.¹⁵ The amount of water available from the Yuba Accord varies year to year depending on hydrologic conditions. Yuba Accord Water has only been available, for purchase by SWCs since about 2009. There are delivery "losses," (termed "carriage cost" in DWR's Bulletin 132 series), in the Delta. The amount is typically assumed by DWR to be 20% of the delivered amount, adjusted as needed based on water quality considerations, plus another 2 to 3% Delta Conveyance "loss." Records in the Bulletin 132 series indicate that SGPWA purchased Yuba Accord Water in four years since 2009 although Yuba Accord Water was available every year from 2009 through 2015 except 2011. Purchases by SGPWA averaged 374 AFY, with deliveries averaging 280 AFY (25% loss).

The amount of Yuba Accord Water available depends on the calculated Sacramento Valley Water Year Index. Between 75,000 AFY (Dry Years) and 140,000 AFY may be available depending on the Water Year Index. If all 22 SWCs decide to participate in a given year, SGPWA's share of the Accord Water is 0.21%, based on the proportion of SGPWA's Table A and the Total Table A of all 22 participants. If some SWCs do not want to participate in a given

¹⁴ DWR (2012). State Water Project Delivery Reliability Report 2011. State of California Dept. of Water Resources, June.

¹⁵ DWR (2008). Agreement for the Supply and Conveyance of Water by the Department of Water Resources for the state of California to the Participating State Water Contractors under the Dry Year Water Purchase Program, March 31.

year, the allocation to each SWC is adjusted upward. SGPWA would normally get 158 AFY during a dry year and a maximum of about 294 AFY

The SGPWA estimates that about 300 AFY, on the average, of Yuba Accord Water can be obtained.¹⁶ For purposes of this WSA, a conservative 30% total loss is assumed, which will reduce the amount than can be actually delivered to the Pass Area to 200 AFY. This is reasonable considering the past experience.

7.3 San Bernardino Valley Municipal Water District (SBVMWD Water)

The SGPWA Board of Directors authorized the General Manager to sign the Surplus Water Sale agreement with SBVMWD to purchase up to 5,000 AFY of SBVMWD's Table A water in years that SBVMWD's Board of Directors declares a surplus¹⁷. The availability of SBVMWD surplus water depends on hydrologic and groundwater conditions within SBVMWD's service area per SBVMWD Ordinance 79. SGPWA has the right of first refusal on the first 5,000 AFY of surplus water. Assuming SGPWA exercises the right, the agreement states that SBVMWD must first offer 50% of the available supply to one or both agencies that are in both SBVMWD and SGPWA, i.e., Yucaipa Valley WD and South Mesa Water Company. Fifty percent of the water and any additional water "left over," can be offered to other SGPWA retailers. The agreement is for a term of 15 years from the date of execution (terminates in 2033), but SGPWA intends to renegotiate the terms and extend to some point in the future. Execution of the agreement is anticipated soon.

SGPWA estimates, based on past hydrologic conditions, this is likely to occur about two years out of every five, or 40% of the time. This is equivalent to 2,000 AFY in any one year. The term of this agreement will be at least 15 years from now or until about 2032.¹⁸ For purposes of this WSA, the amount of water available from SBVMWD is 2,000 AFY until 2032.

7.4 AVEK-Nickel Water

In June 2017, SGPWA Board of Directors approved an agreement with the Antelope Valley-East Kern Water Agency (AVEK) for 1,700 AFY for 20 years (to 2037) with the right of first refusal to extend it for a second 20 years. The water rights on the Kern River originally belonged to the Nickel Family, LLC that were sold to Kern County Water Agency (KCWA) and subsequently leased to other parties in various amounts. One portion (1,700 AFY) is under the control of AVEK, which offered the water to SGPWA. This water is not subject to the reliability issues of the SWP. Per the agreement, SGPWA must take all of the 1,700 AF each year or pay for 1,700 AF if the SGPWA does not take all of it in any one year.

¹⁶ Refer to Table 3-1 of SGPWA 2015 UWMP

¹⁷ SGPWA Regular Board Meeting Minutes, October 16, 2017, page 4.

¹⁸ SGPWA 2015 UWMP

7.5 City of Ventura and Casitas Municipal Water District (Ventura Water)

The Ventura County Watershed Protection District is one of 29 State Water Contractors, but the agency lacks the infrastructure at present to be able to take its 20,000 AFY of Table A water. The County's Table A is allocated to three entities: City of Ventura (10,000 AFY), United Water Conservation District (5,000 AFY), and Casitas Municipal Water District (5,000 AFY). Up until last year, these agencies sold their Table A water back to the "Turn-back Pool" (discussed later in this WSA). This year (2018) the City of Ventura (Ventura) and Casitas Municipal Water District (Casitas MWD) are looking to exchanging water with other SWP agencies, like SGPWA.

The SGPWA staff has negotiated a water exchange with Ventura and Casitas MWD for their Table A, totaling 15,000 AFY. The SGPWA has executed a short term, (one year), exchange now, and appears to be reviewing extending it to a more long-term arrangement. The SGPWA Board of Directors, at the May 7, 2018 meeting authorized the General Manager to sign the draft agreement presented at the board meeting authorized staff to complete any and all action required to document the CEQA exemption, including the filing of the Notice of Exemption, develop and execute any agreements or documentation with DWR for the one year deal.

Under the terms of the 2018 agreement, SGPWA received all of Ventura's and Casitas MWD's Table A water allocation for 2018, or 5,250 AF considering the Department of Water Resources' year 2018, final 35% allocation, (up from the original 30% in the draft agreement). SGPWA paid all of the Transportation Capital, Transportation Minimum, Conservation Capital and Conservation minimum charges. Finally, each party to the agreement would be responsible for paying the variable costs for pumping the water to their respective service areas.

The SGPWA is obligated to return 40 percent of the Table A water taken from Ventura and Casitas MWD within 10-years, no later than the end of calendar year 2028. This amount would be from SGPWA's future Table A allocation. Ventura and Casitas MWD must initiate the request for return of the 40%, except they may not request return in any year that DWR has a Table A allocation of 30% or less. If the Table A allocation is between 30 and 50%, the two agencies will negotiate the delivery amount for that year. If there is any "balance" remaining after the 10-year period, the two agencies and SGPWA will negotiate alternative delivery methods which could include extension of the 10-year period by five years, rolling the balance into a long-term exchange, should that develop.

The SGPWA is also considering a more long-term water transfer with a State Water Contractor for a portion of their unused SWP Table A as identified in the SGPWA's September 2018 Board discussion related to imported water demands. Based upon information published by SGPWA, it appears that supply would potentially start at approximately 6,000 AF on an average year in 2020 and might decline to 3,500 AF in 2040 as that partner Agency utilizes more of their Table A supplies.

7.6 California Water Fix (CWF)

The SWP was authorized in the Burns-Porter Act, also known as the California Water Resources Development Bond Act, passed by vote of the people in November, 1960 (Proposition 1).

Construction on most of the basic facilities of the SWP was completed by 1975. Due to cost considerations, and the fact that initial project water demands lower than design capacity, a number of the originally planned facilities were “scaled down” or deferred. Many have not been constructed to date for various reasons. One of those projects was the Cross-delta Facility known as the Peripheral Canal. As a result of the scaling down and facility deferments/cancelations, the SWP is not able to live up to its original delivery capacity. A number of these reasons are beyond the scaled down, deferred, or not constructed facilities.

The Sacramento-San Joaquin Delta levees are vulnerable to seismic shaking; the Delta ecosystem continues to decline; flooding and saline water intrusion into the Delta impacts the water quality delivered to municipal and agricultural users during dry years; climate change, whether short-term (50 or 100 years) or long term 500 or more years, will cause increased water levels in the Delta further stressing vulnerable levees. The SWP dams and reservoirs were designed about 50 years ago with the hydrology of the times. Climate change will impact the operation of the SWP. Precipitation, which used to fall as snow and be stored in snowpack, will be in the form of rain which the reservoirs were not designed to accommodate. More and water will be lost to the ocean in future years.

The California Water Fix (CWF), intended to address some of these issues, proposes a dual, gravity tunnel conveyance system from north of the Delta extending south to the Clifton Court Forebay. At the southerly end of the tunnels, a new Clifton Court Pumping Facility would lift water from the tunnels into Clifton Court Forebay. The water would be pumped from Clifton Court Forebay by the State and Federal Central Valley Project pumps as they now do. About 9,000 cfs would be diverted from the Sacramento River into the tunnels and around the Delta improving water supply reliability and export water quality TDS. The cost for the CWF was anticipated to be shared 55% by the State Water Contractors and 45% by federal Central Valley Project Contractors. This allocation share may change depending on the number of Central Valley Project Contractor participants.

Five State Water Contractors withdrew from CWF leaving 24 SWCs still supporting it. These 24 contractors hold almost all of the original Table A (97.2%). As of October 17, 2017, twelve Contractors, including SGPWA and many of large agencies, e.g., Metropolitan Water District of Southern California (Metropolitan), Kern County Water Agency, Santa Clara Valley Water District, voted to support the CWF. Many of those agencies that did not take a formal vote are anticipated to participate commensurate with their existing State Water Contracts.

The CWF is moving forward; on April 10, 2018, the Board of Directors of the Metropolitan Water District of Southern California (Metropolitan), voted to fund not only their share of the CWF Phase 1, but also to provide the additional funding necessary to allow for the construction of the full CWF, including Phase 2 (the second tunnel). Metropolitan voted to fund Phase 2, the Central Valley Project (CVP) contractors' portion in anticipation that the CVP contractors would eventually need the water and purchase some or a portion of the Phase 2 water from Metropolitan. It is also possible that other SWP contractors may want to purchase a portion of the Phase 2 water.

On May 8, 2018, the Santa Clara Valley Water District (Santa Clara) voted to approve their share of the CWF, and possibly up to 200 cubic feet per second (cfs) of the 3,000 cfs capacity in the second tunnel held by Metropolitan for possible purchase by CVP contractors.

On May 14, 2018, Metropolitan, Santa Clara, and Alameda County Flood Control and Water Conservation District – Zone 7, (Zone 7 Water Agency), formed the Delta Conveyance Design and Construction Joint Powers Agency (DCA), the public agency that will be charged with the design and construction of the CWF. In parallel, DWR formed the Delta Conveyance Office (DCO) which will oversee the DCA. Metropolitan is the largest State Water Project contractor; Santa Clara and Zone 7 Water Agency are the two largest Bay Area State Water Project contractors. This joint agreement lends significant credibility to implementation of the CWF. Construction of the CWF is expected to start once DCA has secured all of the permits which is expected to occur before the end of 2019. The U.S. Bureau of Reclamation issued the CWF Draft Supplemental EIR/EIS for public review on September 21, 2018 which complements DWR's draft EIR/EIS published in July 2018. Public comment period was expected to close on November 5, 2018. Substantive comments will be addressed in the Final Supplemental EIR/EIS.

The CWF is anticipated to be funded by revenue bonds issued by the State or a Joint Powers Financing Agency with payment by State Water Contractors south of the Delta through their existing contracts with the DWR – extended as needed into the future. In addition to other federal, State, and local permits, CWF requires changes to the water rights permits for the SWP and Federal Central Valley Project to authorize the proposed new points of diversion and their recombination. The hearings on the “change petition” are underway. The CWF would be funded by SGPWA through their State Water Project (SWP) Debt Service taxes. White Papers No. 3 and 6 provide more details on the funding etc. The CWF is not expected to be operational until about 2035. From now till 2035, the reliability of the SWP would gradually degrade over time to 48% without the California Water Fix (CWF) due to a variety of reasons as described previously in this WSA.

The CWF is projected to increase the future reliability of the SWP by 14% (DWR study) to 17.62% (Metropolitan study) resulting in an increase of the overall reliability to 62% or, in the best case, 65.62%. This is about or slightly above the current reliability.

Without CWF, SGPWA's reliable Table A would be 8,300 AFY (rounded, based on 48% of 17,300 AFY). The reliable Table A supply for SGPWA would increase to 10,726 AFY at 62% reliability or possibly as much as 11,352 AFY based on Metropolitan's study (65.62% reliability). Potentially then, the CWF would result in an increase from 2,425 AFY to 3,050 AFY (rounded) reliable supply. With the firm withdrawal of five of the contractors mentioned above, SGPWA's percentage of the CWF “yield” could be slightly more than 0.41% (SGPWA's current share of total Table A), perhaps maybe as high as 0.43% of the yield based on SGPWA's share of the total Table A of the participating 24 contractors. This would potentially increase SGPWA's share from the CWF yield to 2,545 to 3,200 AFY.

7.7 Sites Reservoir

Sites Reservoir is a proposed reservoir that would be located at the site of a cattle ranch in the eastern foothills of the Central Valley about 78 miles northwest of Sacramento and north of the Sacramento-San Joaquin Delta. Sites Reservoir is not on any major stream; all water must be pumped into the reservoir. Sites Reservoir was part of the original California Water Project, but was deferred. The reservoir would have a surface area of about 14,000 acres and store between 1.27 and 1.81 million acre-feet depending on final project. The estimated water yield would be between 470,000 to 640,000 acre-feet per year, depending on yearly rainfall and environmental regulations, according to DWR.

The Sites Project Authority, a Joint Powers Agency, was formed in 2010 to be a proponent and facilitator, to design and potentially acquire, construct, manage, govern, and operate Sites Reservoir and related facilities.

Flood flows in the Sacramento River, over and above that needed to meet the demands of existing water rights holders, would be captured and pumped into Sites Reservoir. High flows in the Sacramento River would be diverted at two existing locations (Red Bluff and Hamilton City) and one new location (River Mile Post 158.5 approximately Princeton Rd, hwy 45, and Willow Creek Rd.]. The water would be pumped from the river diversions, flow through the existing Tehama-Colusa and Glenn-Colusa irrigation canals or a new Delevan Pipeline to a forebay reservoir, (Holthouse Reservoir expanded from the existing Funks Reservoir). The water would then be boosted from the forebay reservoir into Sites Reservoir. When needed, the water would be released through the Delevan Pipeline into the Sacramento River, augmenting natural flows and releases from other reservoirs on the Sacramento River. Electric power would be generated upon release of the water into the Sacramento River.

During the drought year of 2014-15 Sites would have captured 410,000 AF; if Sites were operational in the 2015-16 season it would have captured over 1 million AF, which was lost to the ocean. On an average year Sites will add 500,000 AF to Delta flows; during critical dry years, Sites would add about 250,000 to 300,000 AF of water.

The Sites Reservoir has been preliminarily modeled using the Cal SIM model and its yield is determined to be 500,000 AFY; but only 250,000 AFY is actually guaranteed to the project participants at this time. Portions of the remaining 250,000 AFY may be under the control of the resource agencies for the benefit of fish and migratory birds.¹⁹ Any unused portion of the 250,000 AFY, after the resource agencies “buy in,” will revert back to the project participants.

The Sites Project Authority participants requested more than 250,000 AF of the “guaranteed” water and so the Authority developed and allocated two classes of water: Class 1 and Class 2. Class 1 water is guaranteed if the project moves forward. After Phase I study is complete and all of the project participants, including the resource agencies, are committed, any remaining Class 2 water will be converted to Class 1 for each project participant.

¹⁹ Sites Project Authority (2017). Sites Reservoir Project, Program Administrator Position: Request for Qualifications and Proposal, June 23.

SGPWA has made a financial commitment of 10,000 AF and BCVWD committed to 4,000 AF (total 14,000 AF) to the Sites Project Authority to fund Phase 1 of the Sites Reservoir Study. Table 12 shows the breakdown between Class 1 and Class 2 water for SGPWA and BCVWD.

Phase 1 is essentially complete. Phase 1 focused on preparing a proposal for funding from Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1). Sites Reservoir was approved by the California Water Commission (CWC) for \$816 million of Proposition 1 funding on July 24, 2018; the CWC also agreed to provide \$40.8 million in early funding to assist in completing the needed environmental analyses and to obtain permits. It is believed that all of the Class 2 water will be converted to Class 1 water, which for the SGPWA is 14,000 AFY; 4,000 AFY of that amount is BCVWD's committed participation. Reliability is between 65% (worst case) to 100%²⁰. The result is, 9,100 AFY at 65% reliability as a worst case.

**Table 12
Final Adjusted Phase 1 Agreement**

	Total, AF	SGPWA, AF	BCVWD, AF
Class 1	9,748	6,963	2,785
Class 2	4,252	3,037	1,215
Total	14,000	10,000	4,000

Sites Reservoir will not produce water until about 2030 or so; however, there will be costs incurred by project participants moving forward. For purposes of this analysis it is assumed that water would not be available until 2035. The Sites Project Authority will finance all Phase 2 costs. The Authority's current plan is a \$350 million revolving line of credit with a bank with the funds available in early 2019. The intent is an "interest only" payment through the end of Phase 2, after which, the line of credit will be refinanced with long-term bonds beginning in Phase 3. The first payment on the line of credit is due in January 2020. The preliminary terms on the Line of Credit are 3% interest on the amount borrowed with a 0.75% fee on the undrawn balance.

The Sites Authority will be working closely with the federal Bureau of Reclamation to secure Bureau participation and funding which will reduce the cost to the current participants. It is believed the Sites Project Authority would be responsible for 60% of the project cost with the rest from the State and federal agencies. This may change since the Sites Authority anticipated slightly more Proposition 1 funding than the \$816 million.

It is important to understand that although Sites Reservoir will not be delivering water for another 15 years, it is moving forward. The project has been awarded a substantial CWC Proposition 1 grant. The Sites Project Authority has a financing plan in place to fund the follow-on phases. The reservoir is an "off-stream" reservoir and so has a reduced environmental footprint.

²⁰ See White Paper No. 1, Table 3.

Although there is some risk in the implementation, with each step forward, the risk becomes less and the project is more certain.

7.8 Sale of State Water Project Contractors Incremental CWF Reliability Benefits

All south of the Delta, SWP Contractors pay their proportionate share of the CWF costs. With the implementation of the CWF, there will be an increase in SWP reliability. Although all of the “South of the Delta” SWP Contractors will be paying their proportionate share of the CWF, for various reasons, a few SWP Contractors do not need the benefits of the increased yield and are interested in transferring (selling) their incremental yield to other interested SWP Contractors, such as SGPWA. The buyer, (in this case SGPWA, for example), would receive the seller’s CWF Table A reliability Increase which depends on the particular DWR Table A allocation for the year. These “side deals” work as follows. The Seller pays all SWP costs including the CWF cost to DWR, but receives 85% reimbursement from the Buyer. The Seller retains the right to purchase Article 21 water and retains conveyance capacity for non-SPW. The Buyer pays 85% of the Sellers CWF cost and obtains the reliability benefit which is based on the DWR allocation for that year for the amount of Table A transferred.

For discussion purposes, using a transfer of 50,000 AFY of Table A (overall), the SGPWA has estimated that anywhere between 100 AFY and 13,000 AFY may be available in any given year depending on the SWP allocation. Based on a long term average DWR allocation of 60%, 3,500 AFY should be available to SGPWA under such a program.

7.9 Purchase or Leasing of Metropolitan’s CWF Phase 2 Water

With Metropolitan funding their share of the CWF plus second phase of the CWF, i.e., the Central Valley Project share, along with the possibility that other State Water Contractors may not need the increased supply from the CWF, should make additional SPW available for purchase or short or long term leases from other CVP or SWP Contractors. SGPWA may be able to take advantage of this water, if needed.

7.10 Other Sources of Imported Water

There are other sources of water available through the SWP which include:

7.10.1 Article 21 Water

Article 21 Water is water that is offered for purchase by DWR resulting from reservoir releases needed to accommodate impending storm or snowmelt runoff when water is still available after operational requirements for SWP water deliveries, water quality and Sacramento-San Joaquin Delta requirements are met. This water is available only on short notice and must be taken immediately. BCVWD has capacity in its groundwater recharge facility to accommodate Article 21 Water. SGPWA is constructing their own Fiesta Recharge Facility which can be used for Article 21 Water. Article 21 Water is in addition to the State Water Contractor’s Table A amount.

An analysis of Article 21 Water availability indicated the amount available is highly variable and there is competition for the water. If the requests for purchase are greater than the available

amount, it is typically allocated on the basis of the requestors' Table A. A review of recent purchases from 2002 to 2015, with up to 17 "buyers," indicated that if SGPWA were a purchaser, their share would be about 0.5% of the total available. (The large agencies tend to dominate the purchases.) Table 13 presents an analysis of Article 21 Water availability to SGPWA based on DWR records from 1967 – 2015. Two periods of time were analyzed: total record and recent record.

The results in Table 13 indicate that 800 AFY, on the average of Article 21 could be obtained by SGPWA.

Table 13
Estimated Amount of Article 21 Water Available to SGPWA
Based on 0.5% of Total Available AF

	1969-2015	2001- 2015
Average, AFY	939	824
Median, AFY	362	216
Maximum, AFY	4,542	3,655
75 th Percentile, AFY	1,544	1,550

7.10.2 Turn-back Pool Water

Turn-back Pool Water is water that other State Water Contractors have ordered from DWR as part of their Table A, but decided they did not need the water that particular year and sold it back to DWR. DWR in-turn offers it for purchase at a set price, (quite inexpensive), to other State Water Contractors. Turn-back Pool Water has only been available since 1996 or so – after the Monterey Amendments to the State Water Contracts. Analysis of the data from 1997 through 2015, shows SWCs sold an average of 59,000 AFY of water back to the "pool" for purchase by other interested SWCs. (The median value was 29,770 AFY). Purchase of Turn-back pool water is also competitive, depending on hydrologic conditions. Assuming SGPWA's share is 0.5% based on the analysis of Article 21 Water, 295 AFY on the average could be purchased, (149 AFY median). It would be reasonable that SGPWA could rely on about 200 AFY of Turn-back pool water.

7.10.3 Short-term or Long-term Water Transfers or Exchanges

Short-term or Long-term Water Transfers or Exchanges is water that can be obtained through exchanges and transfers from other State Water Contractors who do not need all of their Table A water in a given year or years. There are opportunities almost every year.

7.10.4 Recommendations for SGPWA

There is considerable competition for the Turn-back Pool and Article 21 Water and its availability is uncertain from year to year. SGPWA should take advantage of this water whenever it is available, and should be looking at short term transfers whenever water is available. It must be pointed out that transfers of SWC Table A is subject to the delivery SWP reliability.

7.11 Summary of Available Imported Water Supplies

Table 14 summarizes the range of available imported water supplies available to SGPWA based on the current and potential sources presented above. Agreements are in place for Ventura-Casitas, AVEK-Nickel Water, and SBVMWD Surplus Water. SGPWA is one of the 22 SWCs that has signed on to the Yuba Accord. Their share of the Yuba Accord Water is 0.021% of the available water. In addition, through their State Water Contract, SGPWA can purchase Article 21 Water and Turn-back Pool Water.

It is important to understand that agreements for these exchanges or commitments presented in Table 14 have been made by SGPWA for these projects. In the case of the CWF, the Agency Board has agreed to support and participate. BCVWD and SGPWA have made financial commitments to Sites Reservoir, Phase 1 and will be contributing to future phases of the Sites Project.

Table 15 presents a summary of current and projected SGPWA imported water supplies, through 2040 in 5-year increments based on the yields in Table 14 presented previously. Figure 5 shows the sources of imported water supply and the regional imported water demand with and without banking and drought proofing.

Until 2025, SGPWA has sufficient imported water to meet the demands of the City of Banning, BCVWD, YVWD/Calimesa as well as the demands from those SGPWA members currently not taking imported water. Those other agency demands are shown in Table 11 presented previously. BCVWD believes these are very conservative and unlikely these areas will be developing to require those demands within the timeframe shown. It would be reasonable to believe that the Yucaipa/Calimesa to Banning area will develop more fully before moving into these outlying areas. But nevertheless, Table 11, presented previously, shows that about 6,000 AFY will be banked regionally by the water suppliers between now and 2015, i.e., about 42,000 AF of additional water in storage than the current 106,000 AF. (See Table 11 presented previously). This would result in over 145,000 AF banked in regional storage.

From 2025 to 2035 (when CWF and Sites Reservoir become operational), there is adequate imported water supply to meet the imported water demands but with reduced amounts available for banking. The region's member agencies would still have nearly 145,000 AF in banked storage which could be used if needed. In a normal year, banking would continue in 2030, but at slightly reduced annual amounts until CWF and Sites Reservoir come on line.

7.12 Contingency Plan

Once CWF and Sites Reservoir are operational there will be more than ample water supply to meet the SGPWA demands for a long time. It is recognized that there is some risk that CWF and Sites will be delayed or perhaps reduced in size and capacity. But as these projects go through the design and permitting process over the next 5 years or so, there will be time to assess the risk. SGPWA can take action to supplement their existing supply with short-term exchanges and transfers from other agencies. If it is evident that CWF and/or Sites Reservoir will not move forward, the short-term exchanges and transfers can be converted to long-term

transfers. An option is to extend the AVEK-Nickel Water Agreement for another 20 years to 2057 as allowed in the existing agreement. Another option is participating with other local agencies in other water resource projects such as groundwater, brackish water, or even sea water desalination projects with water exchanges.

Table 14
SGPWA Current and Projected Available Imported Water Supply through 2040

Source	Low Yield Case, Annual Amount, AFY	High Yield Case, Annual Amount, AFY	Comment
Existing Table A	8,300	10,380	17,300 AFY but only 60% reliable (10,380 AFY) per Bulletin 132; to degrade to approximately 48% (8,300 AFY) without California Water Fix (CWF) by 2035
Yuba Accord	200	200	When available, represents average per year
San Bernardino Valley MWD Surplus Table A Water (SBVMWD Water)	2,000	2,000	Up to 5,000 AFY available estimated 2 out of every 5 years (40%) of time = 2,000 AFY; agreement terminates in 2032, but can be extended.
Antelope Valley East Kern Water Agency (AVEK) Nickel Water, (AVEK Nickel Water)	1,700	1,700	20 year agreement terminates in 2037 with option for a 20 year extension
Additional Table A SGPWA Partner Agency	500	3,000	Looking at extended exchange agreement with Additional Table A SGPWA Partner Agency to utilize unused Table A. Estimated to be net 3,000 AFY initially to 500 AFY by 2040.
Article 21 Water Purchase	800	800	Variable, represents average per year
Turn-back Pool Purchases	200	200	Variable, represents average per year
California Water Fix (CWF)	2,425	3,200	Will increase reliability of State Water Project (SWP) by 14% (2,425 AFY) to 17.62% (3,050 AFY) from 48%. Could be 2,545 to 3,200 AFY increase depending on number of participants in final project
CWF Side Deal	3,500	7,500	Purchase (Transfer) of Additional Table A CWF increased yield to SGPWA from other SWP Contractors
Sites Reservoir	9,100	14,000	Assumes all Class 2 will convert to Class 1 Water (14,000 AFY); worst case with 65% assumed reliability. (BCVWD has committed to 4,000 AFY of the 14,000 AFY)
Total Imported Water Potentially Available	28,725	42,980	

**Table 15
Regional Summary of SGPWA Imported Water Supply, AFY**

Source	Year					
	2018	2020	2025	2030	2035	2040
Imported Water Demand Table 11	10,272	11,360	15,874	19,214	21,057	23,950
Imported Water Demand, Table 11, without banking or drought proofing	9,223	9,109	11,019	13,254	15,097	17,924
Table A	10,380	10,135	9,524	8,912	8,300	8,300
Yuba Accord	200	200	200	200	200	200
AVEK Nickel	1,700	1,700	1,700	1,700	1,700	
SBVMWD	2,000	2,000	2,000	2,000		
Ventura-Casitas	5,250		(2,100)			
Subtotal	19,530	14,035	11,324	12,812	10,200	8,500
Extension of SBVMWD Agreement					2,000	2,000
Article 21 Water Purchases		800	800	800	800	800
Turn-back Pool Water Purchases		200	200	200	200	200
Additional Table A SGPWA Partner Agency Side Deal		3,000	2,500	2,000	1,500	500
Subtotal	19,530	18,035	14,824	15,812	14,500	12,000
California Water Fix (worst case)					2,425	2,425
California Water Fix Side Deals					3,500	3,500
Sites Reservoir (worst case)					9,100	9,100
Total Imported Water Supply	19,530	18,035	14,824	15,812	29,525	27,025

8. WATER SUPPLY AND DEMAND FOR BCVWD

Section 6.1.3 presented the water demand and water supply requirements, including imported water, under average hydrologic conditions for BCVWD. Section 7 quantified the imported water demands on the SGPWA from BCVWD and the other member agencies of the SGPWA. It is clear from the discussion at the end of Section 7, and Figure 5, that SGPWA will have enough imported water or has made commitments for or taken steps to acquire imported water supply to meet its needs to year 2040 and beyond. Since BCVWD's demands and imported water requirements are included in SGPWA's demands, including imported water, it can be concluded that BCVWD has sufficient supply and imported water to meet demands to 2040 and beyond under average demand and supply conditions.

It should be pointed out that 28.6% of the Sites Reservoir Project yield, (4,000 AFY/14,000 AFY) shown in Figure 5 above, is committed to BCVWD by virtue of BCVWD's financial commitment to the Sites Reservoir Project Phase 1. Figure 6 shows BCVWD's demand is less than the

available supply. Figure 6 is based on the data in Table 10, presented previously. Figure 7 shows the accumulated volume in BCVWD's Beaumont Basin groundwater storage account. By 2040, the storage account is almost full (76,796 AF in storage). Table 10, presented previously indicated that BCVWD's imported water demand was 10,470 AFY in 2040; this means that BCVWD is projected to have 7.3 years of imported water demand in storage which can be used to supply water during drought periods even if no SPW is available.

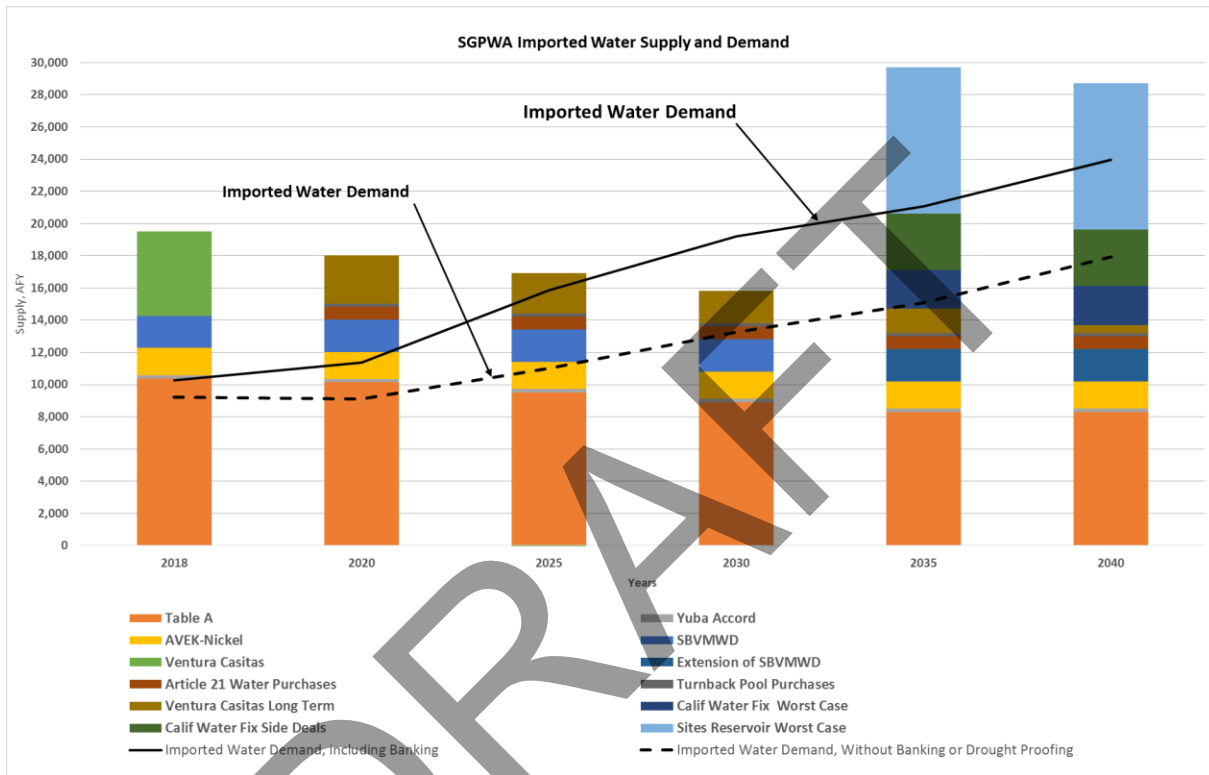


Figure 5
SGPWA Imported Water Sources and Demand to 2040 (Worst Case Conditions)

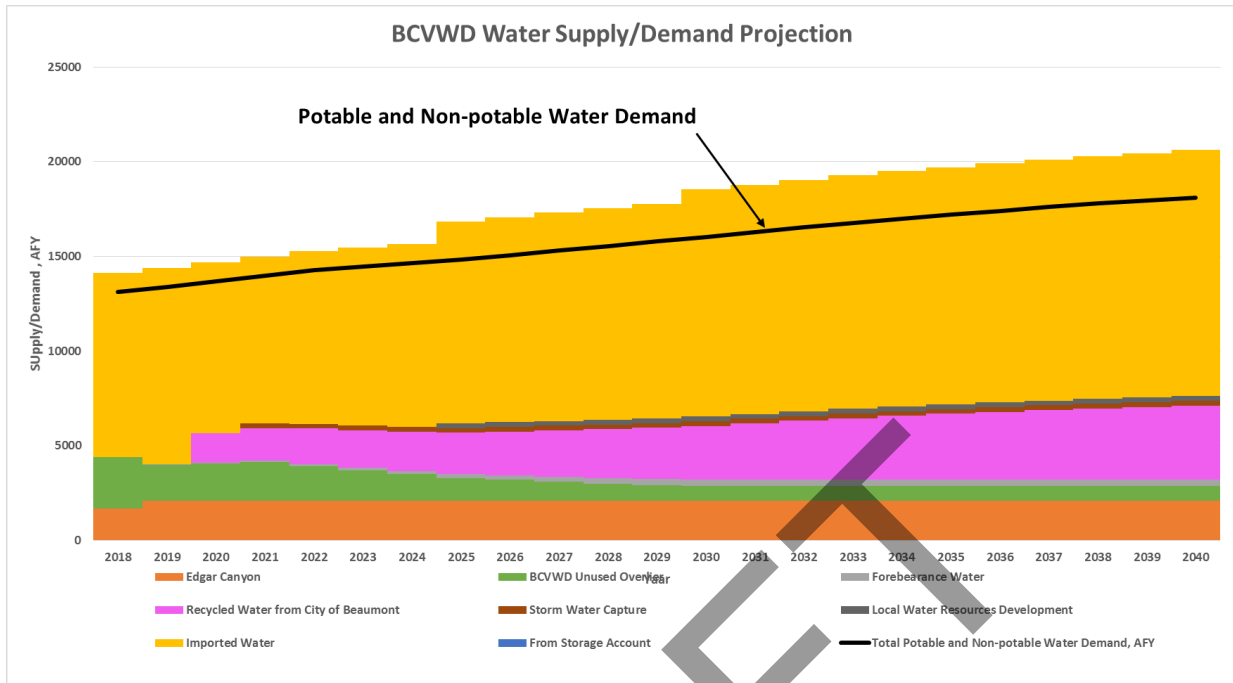


Figure 6
BCVWD's Water Supply and Demand Projection to 2040

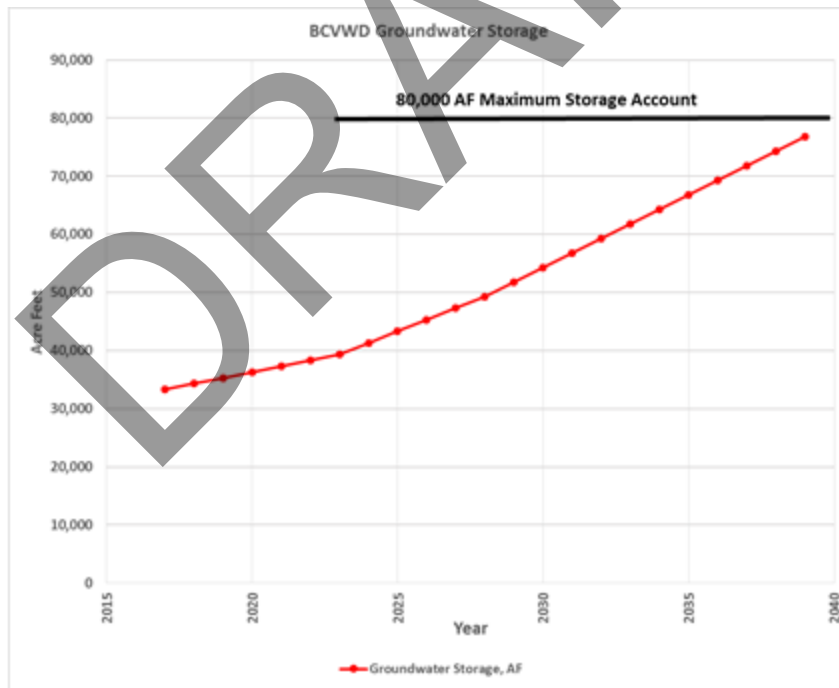


Figure 7
BCVWD's Groundwater Storage Balance to 2040

9. WATER SUPPLY SINGLE AND MULTIPLE DRY PERIOD ANALYSIS

The previous sections in this WSA analyzed a typical, normal or average, water supply year. The previous sections demonstrated there is adequate water supply both regionally and for BCVWD to meet the needs. But, in addition to a “normal” year, the WSA requires a supply sufficiency analysis for critical dry year and multiple dry year conditions. The water supply conditions for these periods are presented in BCVWD’s 2015 UWMP, Section 7, Water Supply Reliability Assessment. Key tables and information are extracted from the 2015 UWMP to support the analysis presented herein and updated. The scenarios evaluated in this section include:

- Single Critical Dry Year -- the lowest water supply available to BCVWD, a worst case condition
- 2 Consecutive Dry Years -- the lowest average available water supply over a 2-year period
- 3 Consecutive Dry Years-- the lowest average available water supply over a 3-year period
- 6 Consecutive Dry Years-- the lowest average available water supply over a 6-year period

BCVWD will be relying on banked water to provide the major portion of the supply during these periods.

BCVWD enjoys the benefits of a groundwater basin, (Beaumont Basin), with very large storage capacity. BCVWD and its neighboring agencies in the San Gorgonio Pass Area take advantage of this by banking imported water during wet years for use during extended droughts. Complementing the large storage capacity is the fact that percolation and recharge occur at relatively high rates. It is very easy to “bank” water in the Beaumont Basin. It is retained in the Basin due to well-managed groundwater levels, and the ample storage capacity. Figure 8 shows the amount of water BCVWD has accumulated in its storage account since 2003. Imported water began to be spread in 2006. As of the end of 2017, there were 32,296 AF in storage. BCVWD’s current maximum storage capacity is 80,000 AF. The figure shows the drop in storage in response to the drought in 2015 when there was very little imported water available for recharge and banking.

9.1 Water Source Availability

The amount of water available during the dry periods from BCVWD’s water sources are presented below.

9.1.1 Groundwater

9.1.1.1 Beaumont Basin

The Beaumont Basin is managed by the Beaumont Basin Watermaster under the principles of the Adjudication.

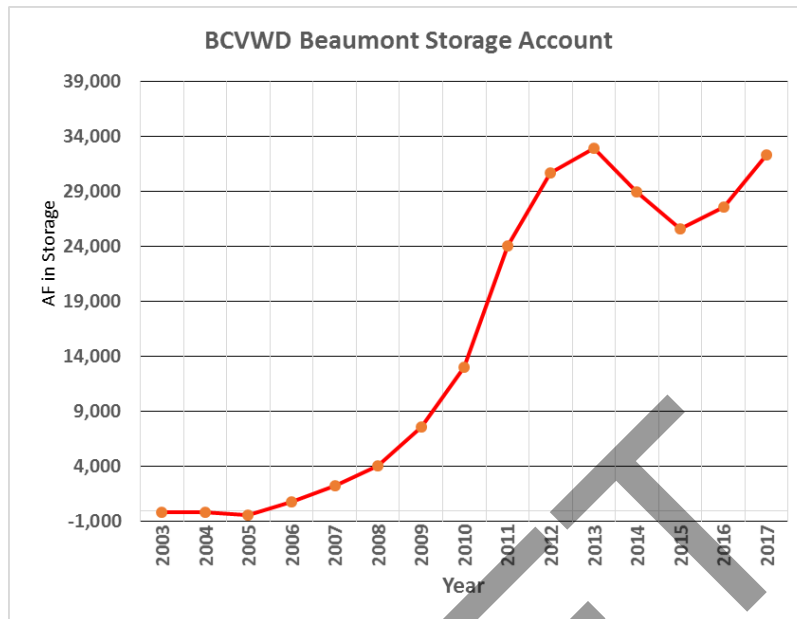


Figure 8
BCVWD Historic Beaumont Basin Groundwater Storage Account

In any given year, BCVWD can pump out its stored (banked) water. The storage is replenished, at least partially, every year by forbearance water, reallocated unused Overlying Party pumping rights, and imported water when available. Recharge, using advanced treated recycled water from the City of Beaumont, will occur in the future. The amount of imported water that can be recharged in any year depends on DWR's SWP allocation. This varies from year to year.

The amount of unused Overlying Party rights is based on a 5-year moving average and could decrease slightly during drought periods as the Overlying Parties use more groundwater to compensate for the lack of rainfall. The forbearance water will decrease during dry periods as users reduce water consumption.

Table 16 shows the estimated amount of water credited to BCVWD by Watermaster for a single or multiple dry year analysis. For the dry year analysis, it was estimated that there would be a 15% conservation effect; in other words, for dry year analysis, only 85% of average annual forbearance, reallocated Overlying Party rights, etc. would be available. In Table 16 the 15% reduction factor is also applied to the recycled forbearance water to account for a potential reduction in treated wastewater due to water conservation effects.

9.1.1.2 Edgar Canyon

Groundwater from Edgar Canyon is affected to some degree by climate. The average annual extraction from Edgar Canyon is 2,135 AFY based on records from 1983-2017. During that period of time the minimum extracted was 1,117 AFY, which occurred in 1991. This can be considered the "Single Dry Year Water Available." The 2-year, 3-year, and 6-year moving

averages for the extractions from 1983 -2017 were determined and are presented in Table 17 along with the Base Period for moving averages.

**Table 16
Summary of BCVWD's Forbearance and Reallocated Overlier Pumping Rights**

Item	2018	2020	2025	2030	2035	2040
Total Allocated Overlying Party Rights, and Forbearance Water from Table 10, AFY	2,706	2,012	1,400	800	800	800
Expected to be Available for Single and Multiple Dry Year Analysis, AFY	2,300	1,710	1,190	680	680	680

**Table 17
Groundwater Available from Edgar Canyon for
Single and Multiple Dry Year Analysis**

Drought Condition (Base Years)	Average Available over the Drought Period, AFY
Single Dry Year (1991)	1,117
2 Consecutive Dry Years (1990 – 91)	1,173
3 Consecutive Dry Years (1989 – 91)	1,230
6 Consecutive Dry Years (1987 – 92)	1,367

9.1.2 Imported Water

The amount of imported water available from the SGPWA via the State Water Project is climate dependent. A spreadsheet was developed using the 2015 DWR Delivery Capability Report simulation data (1922 to 2003) for SGPWA to develop an estimate of the delivery capability for the single dry year and multiple dry year reliability analysis. The 2-, 3-, and 6-year moving averages of annual estimated delivery allocations were determined for the period 1922-2003. A summary of the Table A delivery percentages is shown in Table 18.

The percentages in Table 18 were compared to actual SWP delivery allocations for the period 1992 to 2018, a 26-year period:

Minimum year	5% (2014)
Minimum 2 consecutive years	12.5% (2014-15)
Minimum 3 consecutive years	20% (2013 – 15)
Minimum 6 consecutive years	40% (2013 – 18)

As can be seen, the actual minimum year and minimum 2 and 3 consecutive years allocation percentages are less than those reported in the 2015 DWR SWP Delivery Capability Report. So, for the reliability analysis in this WSA, the allocation percentages shown in Table 19 below will be used to be conservative.

Table 18
SGPWA SWP Delivery Capability as Percent of Table A
(Based on 2015 DWR SWP Delivery Capability Report)

Dry Year(s)	Single	2-year	3-year	6-year
Table A Annual Delivery Average Over the Drought Period, %	8	19	22	28

Table 19
SGPWA SWP Delivery Capability as Percent of Table A
(Used for WSA Reliability Analysis)

Dry Year(s)	Single	2-year	3-year	6-year
Table A Annual Delivery Average Over the Drought Period, %	5	12.5	20	28

Previously, in this WSA, a number of imported water sources available to SGPWA were presented. Not all of these will be available during extended dry periods, however.

Yuba Accord Water is a dry year program and SGPWA can expect 200 AFY even during dry years. AVEK-Nickel Water is “south of the Delta” water and is not affected by DWR’s SWP reliability issues and is available every year until termination of the existing agreement in 2037. The California Water Fix reliability recovery water and the California Water Fix Side Deals would be available during extended dry periods but are subject to the average Table A delivery percentages as SPW in Table 19 above.

During dry periods San Bernardino Valley MWD Surplus Water, Article 21 water, and Turn-back Pool Water would likely not be available and should not be counted on for supply. Similarly, the availability of short and long term exchanges are unlikely, which would also include any additional Table A Water should SGPWA be able to secure a long-term exchange contract with the Additional Table A SGPWA Partner Agency.

The Sites Reservoir Project was designed to be a dry period flow augmentation project. Excess storms flows in the Sacramento River are diverted and pumped into Sites Reservoir, stored, and released back into the Sacramento River during dry periods. Data from the Sites Project Authority submitted with their application to the California Water Commission for Proposition 1 Funding was used to determine the amount of water which could be depended on during dry periods. Figure 9, extracted from the Sites Reservoir Project Authority’s Proposition 1

Application Executive Summary shows the dry year benefits based on 82 years of hydrologic simulation using the CalSim II Model.²¹

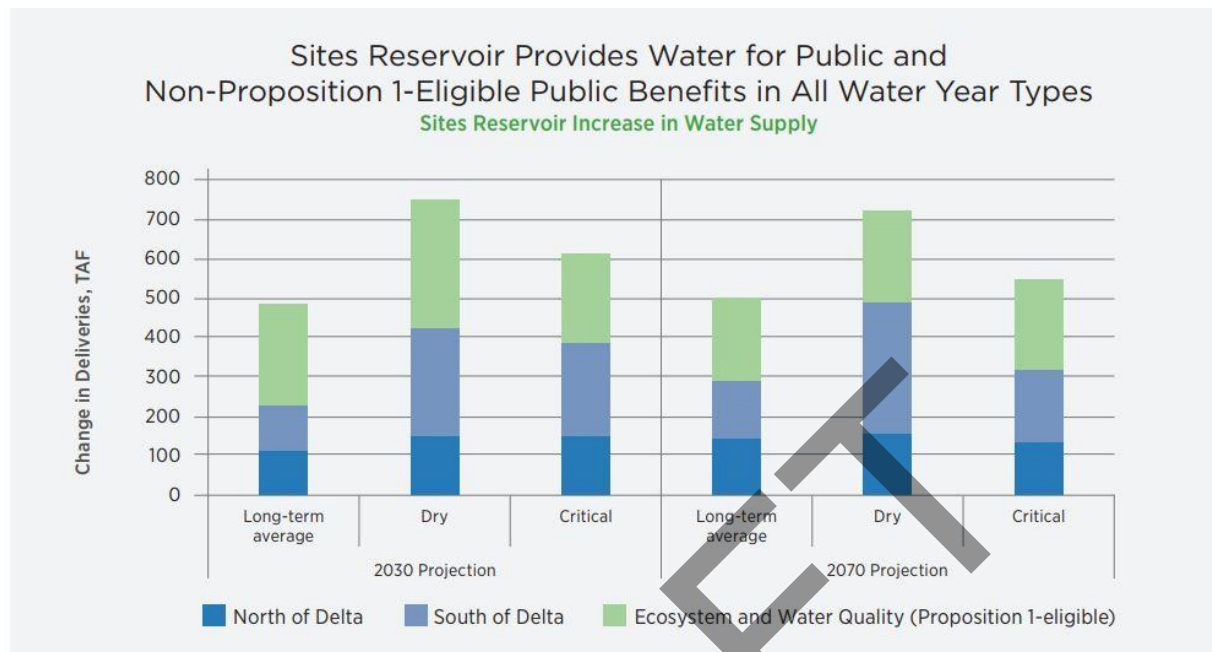


Figure 9
Sites Reservoir Available Water 2030 and 2070

Attachment D9, prepared by the Sites Project Authority, in response to questions from the California Water Commission, February 23, 2018, provided a breakdown of the estimated amounts of Sites Project Water which would be delivered to the project participants. Table 20 presents a summary of the preliminary estimates of Sites Reservoir Water available to SGPWA. It is important to note this is a preliminary estimate developed prior to Phase 2 when more accurate conversions of Class 2 water to Class 1 water will be made.

The modeling that was performed for the application was prescribed by the California Water Commission and includes the effects of climate change. For the analysis in this WAS, the year 2030 values will be used for 2030 through 2040. The “critical” volume will be used for all of the dry period analyses to be conservative.

²¹ Sites Project Authority (2017). Sites Project Executive Summary for California’s Water Storage Investment Program, August 14.

Table 20
SGPWA Preliminary Amount of Sites Reservoir Water Available, AFY

Development Condition	82-year Simulation (Average)	Water Year Type				
		Wet	Above Normal	Below Normal	Dry	Critical
Current	8,400	2,700	2,900	5,600	19,000	13,800
2030	9,500	3,000	7,700	7,400	18,000	16,400
2070	11400	5,400	7,300	11,500	17,900	17,200

Source: Attachment D9 of Sites Project Authority response to California Water Commission comments on Proposition 1 Application February 23, 2018.

Tables 21 through 24 present a summary of the imported water supply to the SGPWA for the single dry year, and 2, 3 and 6 consecutive year dry periods.

Table 21
Regional Summary of SGPWA Imported Water Supply Single Dry Year, AFY

Source	Year				
	2020	2025	2030	2035	2040
Table A	17,300	17,300	17,300	17,300	17,300
Allocation (5%)	865	865	865	865	865
Yuba Accord (Dry Year Program)	200	200	200	200	200
AVEK Nickel (Not Affected)	1,700	1,700	1,700	1,700	
Subtotal	2,765	2,765	2,765	2,765	1,065
California Water Fix (worst case)				2,425	2,425
California Water Fix Side Deals				3,500	3,500
Subtotal CWF				5,925	5,925
CWF Allocation (5%)				296	296
Sites Reservoir Critical Dry Period				16,400	16,400
Total Imported Water Supply	2,765	2,765	2,765	19,461	17,761

**Table 22
Regional Summary of SGPWA Imported Water Supply
Two Consecutive Dry Years, AFY**

Source	Year				
	2020	2025	2030	2035	2040
Table A	17,300	17,300	17,300	17,300	17,300
Allocation (12.5%)	2,163	2,163	2,163	2,163	2,163
Yuba Accord (Dry Year Program)	200	200	200	200	200
AVEK Nickel (Not Affected)	1,700	1,700	1,700	1,700	
Subtotal	4,063	4,063	4,063	4,063	2,363
California Water Fix (worst case)				2,425	2,425
California Water Fix Side Deals				3,500	3,500
Subtotal CWF				5,925	5,925
CWF Allocation (12.5%)				741	741
Sites Reservoir Critical Dry Period				16,400	16,400
Total Imported Water Supply	4,063	4,063	4,063	21,204	19,504

**Table 23
Regional Summary of SGPWA Imported Water Supply
Three Consecutive Dry Years, AFY**

Source	Year				
	2020	2025	2030	2035	2040
Table A	17,300	17,300	17,300	17,300	17,300
Allocation (20%)	3,460	3,460	3,460	3,460	3,460
Yuba Accord (Dry Year Program)	200	200	200	200	200
AVEK Nickel (Not Affected)	1,700	1,700	1,700	1,700	
Subtotal	5,360	5,360	5,360	5,360	3,660
California Water Fix (worst case)				2,425	2,425
California Water Fix Side Deals				3,500	3,500
Subtotal CWF				5,925	5,925
CWF Allocation (20%)				1,185	1,185
Sites Reservoir Critical Dry Period				16,400	16,400
Total Imported Water Supply	5,360	5,360	5,360	22,945	21,245

**Table 24
Regional Summary of SGPWA Imported Water Supply
Six Consecutive Dry Years, AFY**

Source	Year				
	2020	2025	2030	2035	2040
Table A	17,300	17,300	17,300	17,300	17,300
Allocation (28%)	4,844	4,844	4,844	4,844	4,844
Yuba Accord (Dry Year Program)	200	200	200	200	200
AVEK Nickel (Not Affected)	1,700	1,700	1,700	1,700	
Subtotal	6,744	6,744	6,744	6,744	6,744
California Water Fix (worst case)				2,425	2,425
California Water Fix Side Deals				3,500	3,500
Subtotal CWF				5,925	5,925
CWF Allocation (28%)				1,659	1,659
Sites Reservoir Dry Period				16,400	16,400
Total Imported Water Supply	6,744	6,744	6,744	24,803	23,103

Table 25 presents a summary of total SGPWA regional imported water demand and the imported water supply available during the single and multiple dry years. The demand does not include the “banking” demand, since “banking” would not be occurring during years when imported water supply is reduced. Table 25 shows the conditions when the imported water demand exceeds the supply which will require SGPWA’s member agencies, like BCVWD to withdraw water from their storage account. The supply of imported water is less than the demand until Sites Reservoir comes on line about year 2035.

**Table 25
Summary of SGPWA Regional Imported Water Supply and Demand
Single and Multiple Dry Years**

Source	Year				
	2020	2025	2030	2035	2040
Demand without Banking or drought proofing (Table 11, 15), AFY	9,109	11,019	13,254	15,097	17,924
Total Supply					
Single Dry Year (Table 21), AFY	2,765	2,765	2,765	19,461	17,761
2 Consecutive Dry Years (Table 22), AFY	4,063	4,063	4,063	21,204	19,504
3 Consecutive Dry Years (Table 23), AFY	5,360	5,360	5,360	22,945	21,245
6 Consecutive Dry Years (Table 24), AFY	6,744	6,744	6,744	24,803	23,103

When the demand for imported water exceeds the supply, it is reasonable to assume the imported water will be allocated in proportion to the member agency's fraction of the total imported water demand without banking. Table 26 shows the allocation percentages.

**Table 26
Member Agency's Percent of Available Imported Water
When Demand Exceeds Supply**

Agency	Year				
	2020	2025	2030	2035	2040
City of Banning	0	0	0	0	5.6%
YVWD/Calimesa	6.7%	7.0%	7.3%	7.9%	8.1%
BCVWD	87.8%	78.5%	71.6%	66.3%	58.4%
Other Member Agencies	5.5%	14.5%	21.1%	25.8%	27.9%
Total	100%	100%	100%	100%	100%

Table 27 shows the estimated amount of imported water BCVWD can expect during single and multiple dry year periods based on the amount of imported water presented in Table 25 and the allocation percentages in Table 26.

9.1.3 Recycled Water

Recycled water from the City of Beaumont is consistently available; although during droughts, consumers are more aware of water conservation and reduce their indoor water consumption somewhat. They are more aware of the need to do only full loads of laundry, full loads for the dishwasher, etc. Agencies, including the City of Beaumont, have observed a reduction in wastewater flows during the recent drought.

**Table 27
BCVWD Available Imported Water
During Single and Multiple Dry Year Periods**

Agency	Year				
	2020	2025	2030	2035	2040
Single Dry Year, AFY	2,400	2,100	2,000	12,900	10,300
2 Consecutive Dry Years, AFY	3,500	3,200	2,900	14,000	11,400
3 Consecutive Dry Years, AFY	4,700	4,200	3,800	15,200	12,400
6 Consecutive Dry Years, AFY	5,900	5,300	4,800	164,00	13,500

The average year amount of recycled water from the City of Beaumont is taken from Table 10 presented previously. As stated in the discussion for Table 10, the total wastewater produced by the City is reduced by 1.8 mgd for habitat maintenance, and a capacity factor of 75% was applied to the remaining water to account for brine and other losses. For a single dry year, an estimate of 90% of the normal, average recycled water will be available. As the drought becomes more pervasive, the amount of recycled water is estimated to reduce further to 85% of

normal. Table 28 provides an estimate of the available recycled water during extended dry periods from the City of Beaumont.

**Table 28
BCVWD Available Recycled Water
During Single and Multiple Dry Year Periods**

Agency	Year				
	2020	2025	2030	2035	2040
Average Year (Table 10), AFY	1,556	2,188	2,840	3,487	3,930
Single Dry Year (90%), AFY	1,400	1,970	2,555	3,135	3,535
2, 3, and 6 Consecutive Dry Years (85%), AFY	1,320	1,860	2,415	2,960	3,340

9.1.4 Storm Water and Other Local Water Resources

Storm water and Urban Runoff quantities are dependent on rainfall. Review of the rainfall record at Beaumont for the period 1888 – 2006 resulted in the data shown in Table 29. To determine the multiple dry year rainfall as a percent of the average rainfall, the 2-, 3-, and 6-year moving averages of the annual rainfall was determined.

**Table 29
Ratio of Dry Period Precipitation to Average Precipitation at Beaumont
and Estimated New Water from Storm Water Capture
and Local Water Resource Projects**

Dry Year(s)	Single	2-year	3-year	6-year
% of Annual Average	36%	45%	45%	65%
Total Storm water Capture, beginning 2021, 250 AFY	90	110	110	160
Total Local Water Resource Projects, beginning 2025, 250 AFY	90	110	110	160

9.2 Water Demands During Critical and Multi-year Dry Periods

Table 10, presented previously, showed the average BCVWD water demands (potable and non-potable). These demands are used in the Dry Period Reliability Analysis below for the 1, 2, and 3 consecutive year dry periods, primarily because there may not be enough time to implement water demand restrictions and see the effect of these restrictions on demand. However, for the 6 consecutive year dry period, it is assumed the water shortage contingency planning actions set forth in Section 8 of BCVWD’s 2015 UWMP would be in effect and at least a 15% reduction in demand would be obtained. This is over and above the nominal water conservation efforts envisioned in the development of the average demands in Table 10 presented previously.

Water supply for single dry year, 2 consecutive dry years, 3 consecutive dry years, and 6 consecutive dry years are presented in Tables 30 through 34 respectively.

Table 30 through 34 demonstrate BCVWD can provide water to the planned developments listed in Table 8 (presented previously) which included the Hidden Canyon Industrial Park during critical dry year and multiple dry year periods by relying on BCVWD’s Beaumont Basin Groundwater Storage. BCVWD will need to maintain 36,511 AF of water banked in storage to meet the 6-year dry period by the time Sites Reservoir and the CWF are “on-line.” This is not an unreasonable amount of storage considering BCVWD has an 80,000 AF storage account and as of the end of 2017, 32,296 AF in storage.

Table 10, presented previously, provided BCVWD’s Beaumont Basin storage account balance under the basis of average water supply conditions assuming the development projects listed in Table 8 (presented previously) were constructed. Table 10 shows a steady increase in projected groundwater storage from 35,296 AF in 2020 to almost 76,800 AF in the year 2040. To achieve this level of storage, BCVWD will be banking additional water for drought proofing to able to supply water during critical and multiple dry year period.

**Table 30
BCVWD Water Supply Summary – Critical Dry Year**

	Single Dry Year				
	YEAR				
	2020	2025	2030	2035	2040
DEMAND					
Total Water Demand	13,668	14,841	16,032	19,192	18,100
SUPPLY					
Groundwater					
Edgar Canyon, AFY	1,117	1,117	1,117	1,117	1,117
Beaumont Basin, Allocated Overlie Pumping Rights and Forbearance Water, AFY AFY	1,710	1,190	680	680	680
Storm Water, AFY	90	90	90	90	90
Other Local Water Resource Projects, AFY	90	90	90	90	90
Recycled Water, AFY	1,400	1,970	2,555	3,135	3,535
Imported SPW, AFY	2,400	2,100	2,000	12,900	10,300
Subtotal Supply, AFY	6,807	6,557	6,532	18,012	15,812
From Banked Beaumont Basin Storage, AF	6,861	8,284	9,500	1,180	2,288

**Table 31
BCVWD Water Supply Summary – 2 Consecutive Dry Years**

2 Consecutive Dry Years					
	YEAR				
	2020	2025	2030	2035	2040
DEMAND					
Total Water Demand	13,668	14,841	16,032	19,192	18,100
SUPPLY					
Groundwater					
Edgar Canyon, AFY	1,173	1,173	1,173	1,173	1,173
Beaumont Basin,Allocated Overlier Pumping Rights and Forbearance Water, AFY AFY	1,710	1,190	680	680	680
Storm Water, AFY	90	90	90	90	90
Other Local Water Resource Projects	90	90	90	90	90
Recycled Water, AFY	1,320	1,860	2,415	2,960	3,340
Imported SPW,AFY	3,500	3,200	2,900	14,000	11,400
Subtotal Supply, AFY	7,883	7,603	7,348	18,993	16,773
From Banked Beaumont Basin Storage, AFY	5,785	7,238	8,684	199	1,327
Total Volume Withdrawn from Storage, AF	11,570	14,476	17,368	398	2,654

**Table 32
BCVWD Water Supply Summary – 3 Consecutive Dry Years**

3 Consecutive Dry Years					
	YEAR				
	2020	2025	2030	2035	2040
DEMAND					
Total Water Demand	13,668	14,841	16,032	19,192	18,100
SUPPLY					
Groundwater					
Edgar Canyon, AFY	1,230	1,230	1,230	1,230	1,230
Beaumont Basin,Allocated Overlier Pumping Rights and Forbearance Water, AFY AFY	1,710	1,190	680	680	680
Storm Water, AFY	90	90	90	90	90
Other Local Water Resource Projects	90	90	90	90	90
Recycled Water, AFY	1,320	1,860	2,415	2,960	3,340
Imported SPW,AFY	4,700	4,200	3,800	15,200	12,400
Subtotal Supply, AFY	9,140	8,660	8,305	20,250	17,830
From Banked Beaumont Basin Storage, AFY	4,528	6,181	7,727	-1,058	270
Total Volume Withdrawn from Storage, AF	13,584	18,543	23,181	-3,174	810

**Table 33
BCVWD Water Supply Summary – 6 Consecutive Dry Years**

6 Consecutive Dry Years					
	YEAR				
	2020	2025	2030	2035	2040
DEMAND					
Total Water Demand	11,618	12,615	13,627	16,313	15,385
SUPPLY					
Groundwater					
Edgar Canyon, AFY	1,367	1,367	1,367	1,367	1,367
Beaumont Basin,Allocated Overlier Pumping Rights and Forbearance Water, AFY AFY	1,710	1,190	680	680	680
Storm Water, AFY	90	90	90	90	90
Other Local Water Resource Projects	90	90	90	90	90
Recycled Water, AFY	1,320	1,860	2,415	2,960	3,340
Imported SPW,AFY	3,500	3,200	2,900	14,000	11,400
Subtotal Supply, AFY	8,077	7,797	7,542	19,187	16,967
From Banked Beaumont Basin Storage, AFY	3,541	4,818	6,085	-2,874	-1,582
Total Volume Withdrawn from Storage, AF	21,245	28,907	36,511	-17,243	-9,492

The water banking is clearly stated in BCVWD's 2015 UWMP:

BCVWD's plan, which is shown in BCVWD's 2015 UWMP envisions banking anywhere from 1,000 AFY to 2,500 AFY to drought proof new development. This is accounted for in the spreadsheet each year. Should there be a year when the projected amount cannot be delivered by SGPWA, any deficiency will be made up in successive years when adequate supply is available. As stated in BCVWD's 2105 UWMP²²

In addition to BCVWD, YVWD/Calimesa and the City of Banning have storage accounts which when combined with BCVWD's have 100,000 AF in storage as of the end of 2017. Previous Tables 4 and 7 herein show that the storage accounts for YVWD/Calimesa and the City of Banning these agencies are projected to have 50,000 and nearly 76,510 AF in storage by 2040. When combined with BCVWD's projected storage account balance, on a regional basis there will be over 200,000 AF in banked storage – more than ample to meet the needs during short-term droughts.

10. CONCLUSIONS

1. The projected water demand from the Hidden Canyon Industrial Project is 59 AFY of which 35 AFY is outdoor, non-potable water use. This is a very small amount in comparison to BCVWD's current demand of 13,129 AFY.

²² BCVWD (2015). UWMP, pg 7-4

2. The Hidden Canyon Industrial Project was included in the list of planned development projects in BCVWD's 2015 UWMP which demonstrated adequate water supplies up to the year 2040 – the maximum forecast year for water supply planning in the UWMP requirements.
3. BCVWD prepared a series of White Papers which analyzed the regional (SGPWA) imported water supply requirements and funding requirements. These White Papers provided a starting point for the preparation of this WSA. The basis for the White Papers was a regional spreadsheet demand model, developed by BCVWD, which was reviewed by the City of Banning and YVWD.
4. The White Papers indicated that SGPWA can obtain sufficient imported water supply to supplement local supplies to meet regional needs including BCVWD's needs. The White Papers also indicated that adequate funding is available to implement the imported water projects and short and long term and transfers.
5. BCVWD prepared and adopted a Potable Water Master Plan which identified water needs and facility needs to build-out. The BCVWD 2015 UWMP identified recycled water from the City of Beaumont for non-potable water irrigation with a plan for the recharge of surplus recycled water with appropriate treatment and permits. A draft Memorandum of Understanding (MOU) is in the process of being reviewed by the City and BCVWD. In addition storm water capture and other local water resource projects were identified. One of these projects, MDP-Line 16, (Grand Avenue Storm Drain) is currently in design by the Riverside County Flood and Water Conservation District and BCVWD. The storm drain will be partially funded through a grant from the Santa Ana Watershed Project Authority.
6. SGPWA and BCVWD have made financial commitments to the Sites Reservoir project Phase 1 studies and will be committing funds to Phase 2 within the next year.
7. There is adequate water supply for Hidden Canyon Industrial Project to 2040 and beyond. BCVWD can meet the Hidden Canyon Industrial Project's needs as well as BCVWD's existing demands and the demands of the other planned and potential developments within BCVWD's service area which were listed in this WSA and which will be constructed between now and 2040.
8. Critical and multiple dry year reliability analysis demonstrated that BCVWD will be able to meet BCVWD's existing demands and the demands of the other planned and potential developments within BCVWD's service area which were listed in this WSA and which will be constructed between now and 2040. BCVWD will supplement their existing supply sources during these dry periods with banked water in BCVWD's Beaumont Basin Groundwater Storage Account.
9. Pursuant to §10910 of the California Water Code (SB 610) and information provided in this WSA, BCVWD has determined that sufficient currently available and planned supplies exist to meet the water demands of the proposed Hidden Canyon Industrial Project in addition to the existing and other projected demands during normal, single dry and multiple dry years over the next 20 years.

10. Pursuant to the California Government Code Section 66473.7, (SB 221) BCVWD has determined that it has sufficient and adequate water supply available to serve a long-term needs of the Hidden Canyon Industrial Project in addition to the existing and other projected demands during normal, single dry and multiple dry years over the next 20 years.

11. ACKNOWLEDGEMENTS

This WSA was prepared by Senior Engineer, Joseph C. Reichenberger PE with support from Dan Jagers, PE, General Manager, and Mark Swanson, PE, Senior Engineer. The WSA was based on White Papers prepared, in part, by Kaden Johnsen, Civil Engineering Assistant.

12. REFERENCES

1. 2015 Urban Water Management Plan, Beaumont Cherry Valley Water District, adopted by Board of Directors, January 17, 2017; acknowledged by California Department of Water Resources, March 14, 2018.
2. Potable Water Master Plan, Beaumont Cherry Valley Water District, adopted by Board of Directors, January 13, 2016.
3. White Paper No 1, Discussion of the Analysis of State Project Water (SPW) Requirements for SGPWA and BCVWD, prepared by BCVWD, September 6, 2017.
4. White Paper No 2, Role of Groundwater Storage and Banking in Meeting State Project Water (SPW) Requirements for SGPWA and BCVWD, prepared by BCVWD, November 15, 2017.
5. White Paper No 3, Water Supply Portfolio Unit Costs, prepared by BCVWD, December 20, 2017.
6. White Paper No 3, Water Supply Portfolio Unit Costs, prepared by BCVWD, December 20, 2017.
7. White Paper No 4, Water Supply Portfolio Funding Requirements, prepared by BCVWD, December 20, 2017.
8. White Paper No 5, Funding Strategies, prepared by BCVWD, January 2, 2018.
9. White Paper No 6 (Rev. 4), Updated San Geronio Pass Regional Water Supply Planning Spreadsheet, prepared by BCVWD, May 16, 2018.
10. White Paper No 7 (Draft), Funding Strategies for New and Existing Regional Water Supplies, Sites Reservoir and Other Sources, prepared by BCVWD, August 15, 2018.
11. Appendix F, San Geronio Pass Water Agency 2015 UWMP, Yuba Accord Agreements.
12. Sites Project Authority, Sites Reservoir Project Description and Assumptions of with-Project Conditions for Years 2030 and 2070, plus with and without-Project current conditions, Appendix A1 to Application, August 9, 2017

13. Sites Project Authority, Attachment D, Water Operations Review, response to California Water Commission Comments on Application, February 23, 2018.
14. Sites Project Authority, Modeling Results Compendium, Appendix A6.D. to Application, August 9, 2017
15. Sites Project Authority, Sites Project to Receive \$816 million in State Funding, press release, July 24, 2018.
16. San Gorgonio Pass Water Agency, Update of Sites Reservoir, presentation to Board of Directors, July 9, 2018
17. Consideration of the San Gorgonio Pass Water Agency's April 6, 2017 Sites Reservoir Cost Sharing Draft Agreement and Associated Transmittal Letter dates April 6, 2017, prepared by Eric Fraser (BCVWD) to BCVWD Board of Directors, May 9, 2017.
18. San Gorgonio Pass Water Agency, 2015 Urban Water Management Plan, prepared by Kennedy/Jenks Consultants, adopted by Board of Directors, March 20, 2017.
19. SGPWA General Manager to Board of Directors, Surplus Water Sale Agreement with San Bernardino Valley MWD ("Valley District") October 16, 2017. Approved by SGPWA Board of Directors per Regular Board Meeting Minutes, October 16, 2017.
20. SGPWA General Manager to Board of Directors, Consideration and possible action to enter into a Water Supply Agreement with the Antelope Valley-East Kern Water Agency, June 19, 2017
21. SGPWA Meeting Minutes, Regular Meeting of the Board of Directors, Resolution 2015-05, Adoption of Facility Capacity Fee, July 27, 2015.
22. Hidden Canyon, City of Beaumont City Council Presentation, Plot Plan 16-PP-02, Hidden Canyon Industrial Project, September 6, 2016.
23. City of Beaumont, Planning Commission, Agenda Item 2d, Staff Report, Hidden Canyon Industrial Park, Plot Plan 16-PP-02, June 14, 2016.
24. D. Jagers (BCVWD) to R. Demming (City of Beaumont Planning). Planning Case for APN 421-020-001 and 421-020-006, Beaumont Case Number 16-99-02, relaying conditions for Hidden Canyon Industrial Project.
25. J. Reichenberger (BCVWD) to City of Beaumont Planning Department, Timoteo Industrial Park, Comments on Revision of Hidden Canyon Specific Plan APN 421-020-001 and 421-020-006, December 7, 2011.
26. D. Jagers (BCVWD) to D. Golkar (Exser Consulting Group), Conditions of Service Hidden Canyon APN 421-020-001 and 421-020-006, December 13, 2017.
27. San Gorgonio Integrated Regional Water Management Plan, prepared by the Regional Water Management Group of the San Gorgonio Integrated Regional Water Management Region, May 2, 2018, Revised August 1, 2018

28. Yucaipa Valley Water District, Water Supply Assessment and Written Verification of Supply for the Mesa Verde Development, Calimesa, CA, August 15, 2017.
29. Summerwind Ranch at Oak Valley, Specific Plan Area No. 1, Amendment No. 1, City of Calimesa, January 21, 2005
30. Beaumont Basin Watermaster (2017). A Resolution of the Beaumont Basin Watermaster Approving the Transfere of Overlying Water Rights to Specific Parcel, Resolution 2017-02 (Summerwind Ranch Specific Plan Parcels).
31. City of Banning Water Supply Assessment for Butterfield Specific Plan, prepared by RBF Consulting and Brownstein|Hyatt|Farber|Schreck, issued June 2011 with Draft EIR, Modified December 2011 by Section 4.1 of the Final EIR.
32. City Banning Water Supply Assessment, Rancho San Gorgonio Specific Plan, prepared by Madole & Associates and Encompass Associates for Rancho San Gorgonio, LLC, September 30, 2015.

DRAFT

ATTACHMENT 4

RESOLUTION 2019-__

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE BEAUMONT-CHERRY VALLEY WATER DISTRICT TO APPROVE THE WATER SUPPLY ASSESSMENT (WSA) FOR THE HIDDEN CANYON INDUSTRIAL PARK PROJECT

WHEREAS, the Hidden Canyon Industrial Park is a proposed industrial, manufacturing, or processing plant, or industrial park planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 square feet of floor area, and therefore qualifies as a “project” under the Water Code, triggering the need to prepare a Water Supply Assessment; and

WHEREAS, the Water Supply Assessment (WSA) has been prepared in accordance with Water Code §10910 (c)(1) and SB 610; and

WHEREAS, the Beaumont-Cherry Valley Water District Board of Directors has the authority and responsibility for approving the WSA; and

WHEREAS, Beaumont-Cherry Valley Water District staff prepared the WSA, which includes any and all WSA addendums; and

WHEREAS, the WSA relied on existing information in the Urban Water Management Plan did conclude that the District has sufficient water supplies to serve the Project; and

NOW THEREFORE, BE IT RESOLVED that the Board of Directors of the Beaumont-Cherry Valley Water District finds and determines as follows:

1. The above recitals are true and correct and reflect the independent judgment of the Board
2. The WSA was prepared in accordance with the California Water Code
3. The conclusions set forth in the WSA are supported by substantial evidence and reasonable analysis, and are consistent with District policies, plans, documents and operations; and
4. The WSA demonstrated that the District’s water supplies are sufficient to satisfy the water demands of the Project, while still meeting the current and projected future water demands of the community.

NOW THEREFORE, BE IT FURTHER RESOLVED that, in the exercise of independent judgment, and taking onto consideration the WSA and engaging in due deliberations, the Board does hereby adopt the Hidden Canon WSA.

ADOPTED this _____ day of _____, 2019, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTACHMENT 4

ATTEST:

Director John Covington, President of the
Board of Directors of the
Beaumont-Cherry Valley Water District

Director Andy Ramirez, Secretary to the
Board of Directors of the
Beaumont-Cherry Valley Water District



**Beaumont-Cherry Valley Water District
Regular Board Meeting
February 13, 2019**

Item 6

STAFF REPORT

TO: Board of Directors
FROM: Dan Jagers, General Manager
SUBJECT: Consideration of Request for “Will Serve Letter” for 9087 Avenida Miravilla (formerly known as Riverside County Assessor’s Parcel Nos. 401-190-033, 401-190-034 and 401-190-035 located on Nonie Court) in the Community of Cherry Valley

Staff Recommendation

Consider the request for water service “Will Serve Letter” for a property located at 9087 Avenida Miravilla (formerly known as Assessor’s Parcel Nos. 401-190-033, 401-190-034 and 401-190-035 located on Nonie Court) in the Community of Cherry Valley, subject to payment of all fees to the District and securing all approvals from the County of Riverside and:

- A. Approve the Application for Water Service and furnish “Will Serve Letter”, or
- B. Deny the Application for Water Service

Background

The Applicant, Tim Daniels, has requested water service from the District for a proposed single-family residence to be constructed on an existing parcel of land located at 9087 Avenida Miravilla (see Figure 1A – 9087 Avenida Miravilla).

The property was originally approved for service by the District with the condition that the developer extend the water main approximately 1,400 LF (Figure 3 – Original Main Extension). An alternative to the 1,400 LF water main extension was identified by the District in February 2018 that consisted of an extension of approximately 560 LF (Figure 2 – February 2018 Proposed Main Extension), which would require additional easements from nearby property owners.

In correspondence with the District, the applicant requested the District explore a more economically feasible solution for the single-family residence due to the abandonment of a cul-de-sac (Nonie Ct.) and the merging of three (3) parcels (APNs 401-190-033, 401-190-034 and 401-190-035) into one (1) parcel. After considering multiple alternative alignments, District Staff presented a proposed alignment (see Figure 1B – Final Proposed Main Extension) to the District’s Board of Directors at the January 24, 2019 Engineering Workshop. District Staff has determined, together with the property owners, said alignment (Figure 1B) as an acceptable alternative alignment. Figure 1B includes realigning a portion of the existing water main along the applicant’s property line and the subsequent realignment and reconstruction of 620 LF of water main south of the property. The cost of the realignment of the pipeline associated with APNs 401-190-033, 401-190-034 and 401-190-035 would be the responsibility of the Applicant.

Subject property is located on Avenida Miravilla, south of Quail Road and northwest of Avenida Altejo Bella in the Community of Cherry Valley, California (see Figure 1A attached). This parcel is currently within the District’s Service Boundary and the District has confirmed there is an existing water main crossing the property. The Applicant plans to build a single-family residence



on the parcel identified on Figure 1A. The Applicant will need to secure all necessary approvals from the District and the County of Riverside. Figure 1B shows the approximate configuration of the proposed water line realignment.

The impact of this residence on the District's water supply system is minimal. The Applicant will be required to pay all applicable District Fees, including Facilities Fees, a non-tract water service installation charge, and front-footage fees. The Applicant will be required to pay all actual applicable fees in effect at the time of application for service installation.

Final meter size will be determined by the Applicant. Fire Flow requirements will be determined by the County of Riverside Fire Department and said requirements will dictate actual required Fire Hydrant Fire Flow requirements and residential fire sprinkler requirements for the residence. Finally, District Staff has previously identified a pipeline alignment in the District's February 2018 letter regarding said property that identified a water main extension to the property, which would provide for the installation of a new fire hydrant. Staff has conveyed to the property owner the current realignment of the existing water main located on the effected APNs does not provide for the installation of a new fire hydrant at the property. District Staff has further identified with the property owner that said lack of fire hydrants in close proximity to the proposed project should be reviewed by the Applicant with the Fire Department.

Conditions:

The Applicant shall conform to all District requirements for water service and all County of Riverside requirements.

1. The County of Riverside is to confirm that the alignment would be deemed acceptable in meeting any and all County of Riverside requirements.
2. The Applicant shall pay all fees associated with the realignment of existing water main over the property, and prepare and provide easements to the District.
3. The Applicant will be required to pay front footage fees along all property frontages where facilities are currently installed (where applicable).
4. To minimize the use of potable water, the District requires the applicant to conform to the County of Riverside Landscaping Ordinances which pertains to water efficient landscape requirements and the following:
 - a. Landscaped areas which have turf, shall have "smart irrigation controllers" which use Evapotranspiration (ET) data to automatically control the watering. Systems shall have an automatic rain sensor to prevent watering during and shortly after rainfall, automatically determine watering schedule based on weather conditions, and not require seasonal monitoring changes. Orchard areas, if any, shall have drip irrigation.
 - b. Landscaping in non-turf areas should be drought-tolerant, consisting of planting materials similar to that at the District's demonstration garden at the Noble Creek Groundwater Recharge site. Irrigation systems for these areas should be drip or bubbler type.
5. Fire Flow requirements must be met by existing Fire Flow locations or by on-site water storage at the property.



Fiscal Impact:

- The fiscal impact to the District for the water line which is realigned through the property known as 9087 Nonie Court and to the location where it would tie to the existing alignment to the south will be none. The costs will be the responsibility of the property owner.
- The fiscal impact to the District for the realignment of the remaining water line to the south is undetermined at this time. District Staff will determine a feasible alignment by working with the property owners and determine costs based on that alignment.

Attachments

Attachment 1 – Figure 1A – 9087 Avenida Miravilla (Site Map)

Attachment 2 – Figure 1B – Alternative Main Extension Alignment

Attachment 3 – Figure 2 – February 2018 Proposed Main Extension

Attachment 4 – Figure 3 – Original Main Extension

Prepared by Aaron Walker



FIGURE 1A – 9087 Avenida Miravilla

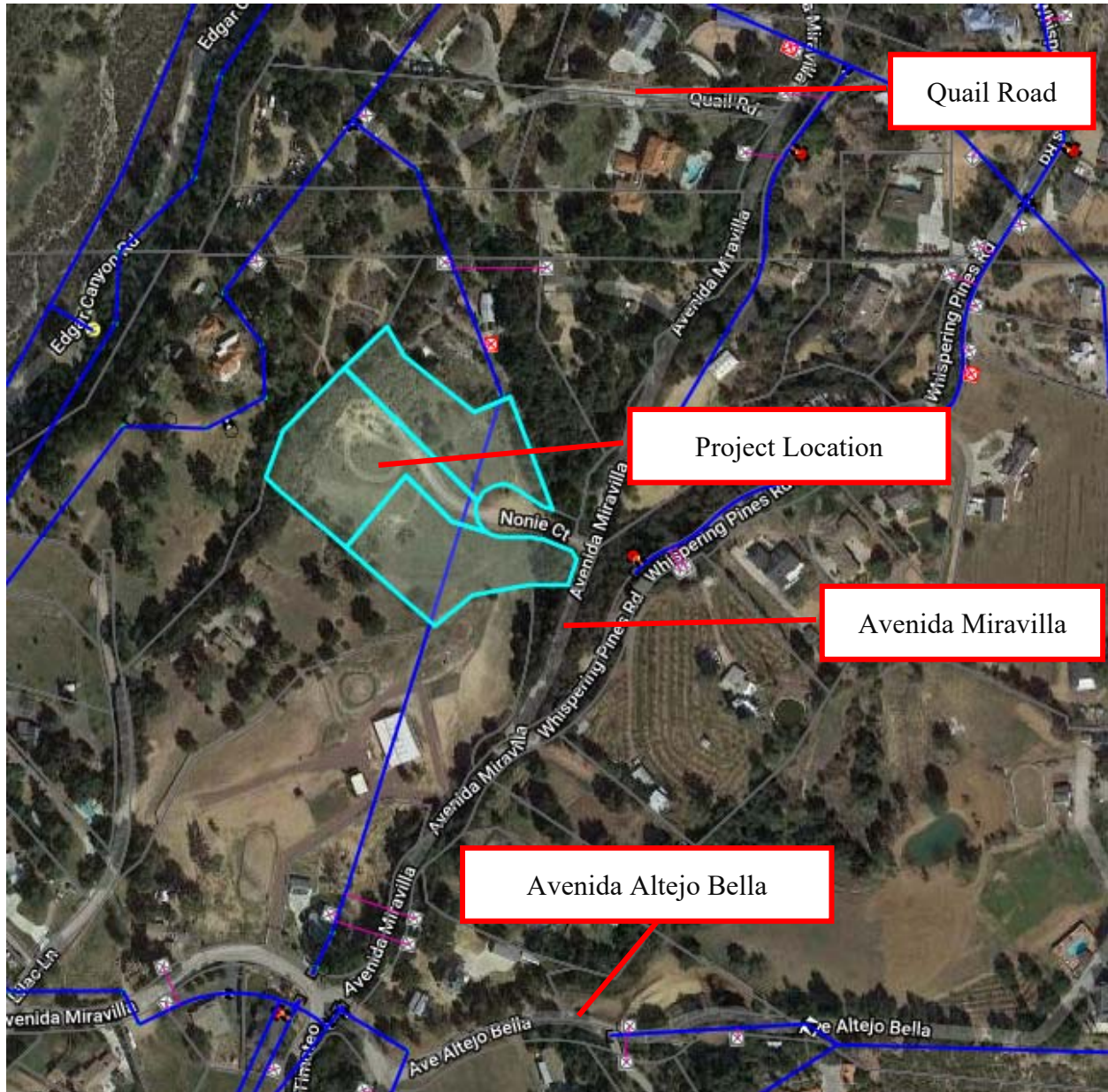




FIGURE 1B – ALTERNATIVE MAIN EXTENSION ALIGNMENT

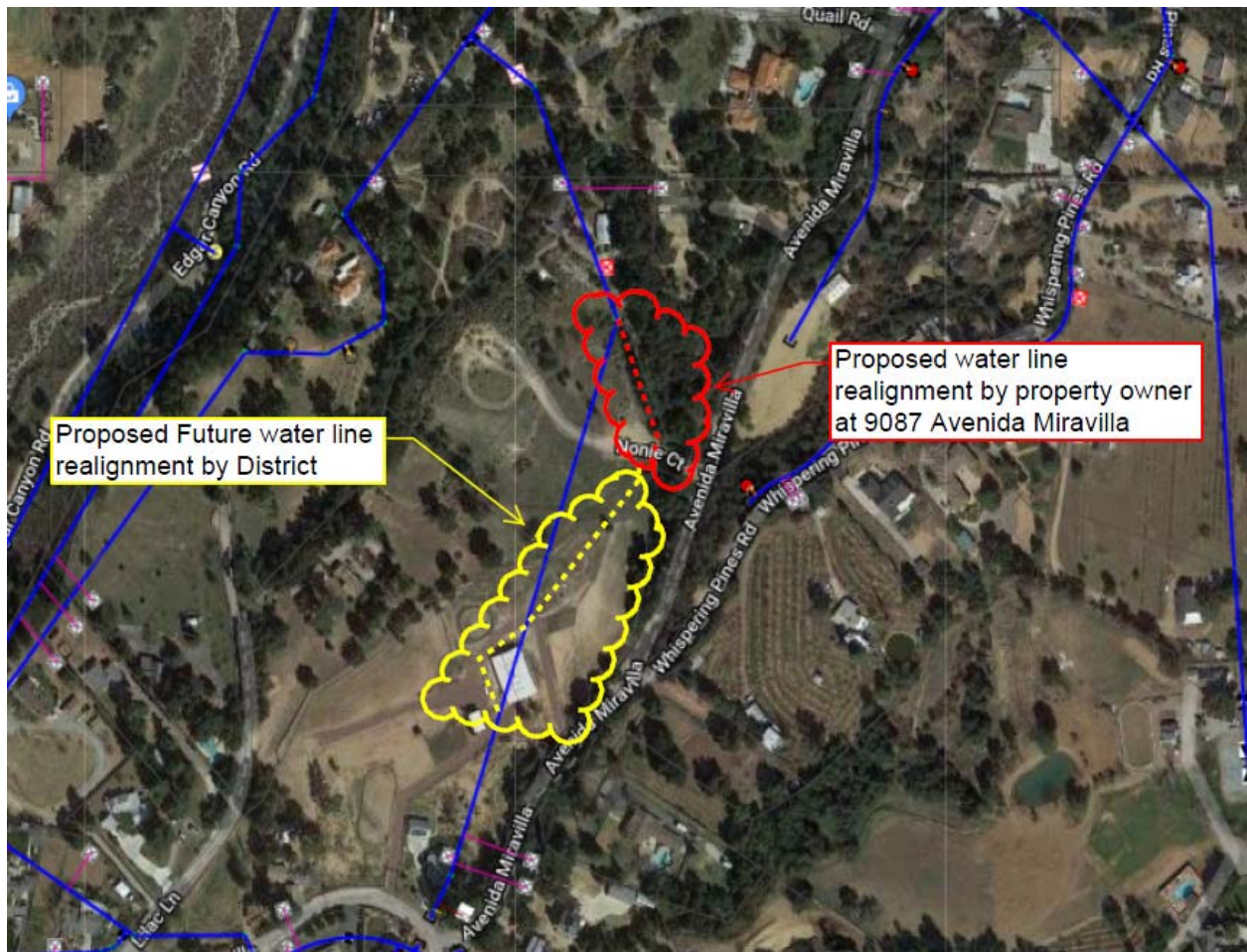
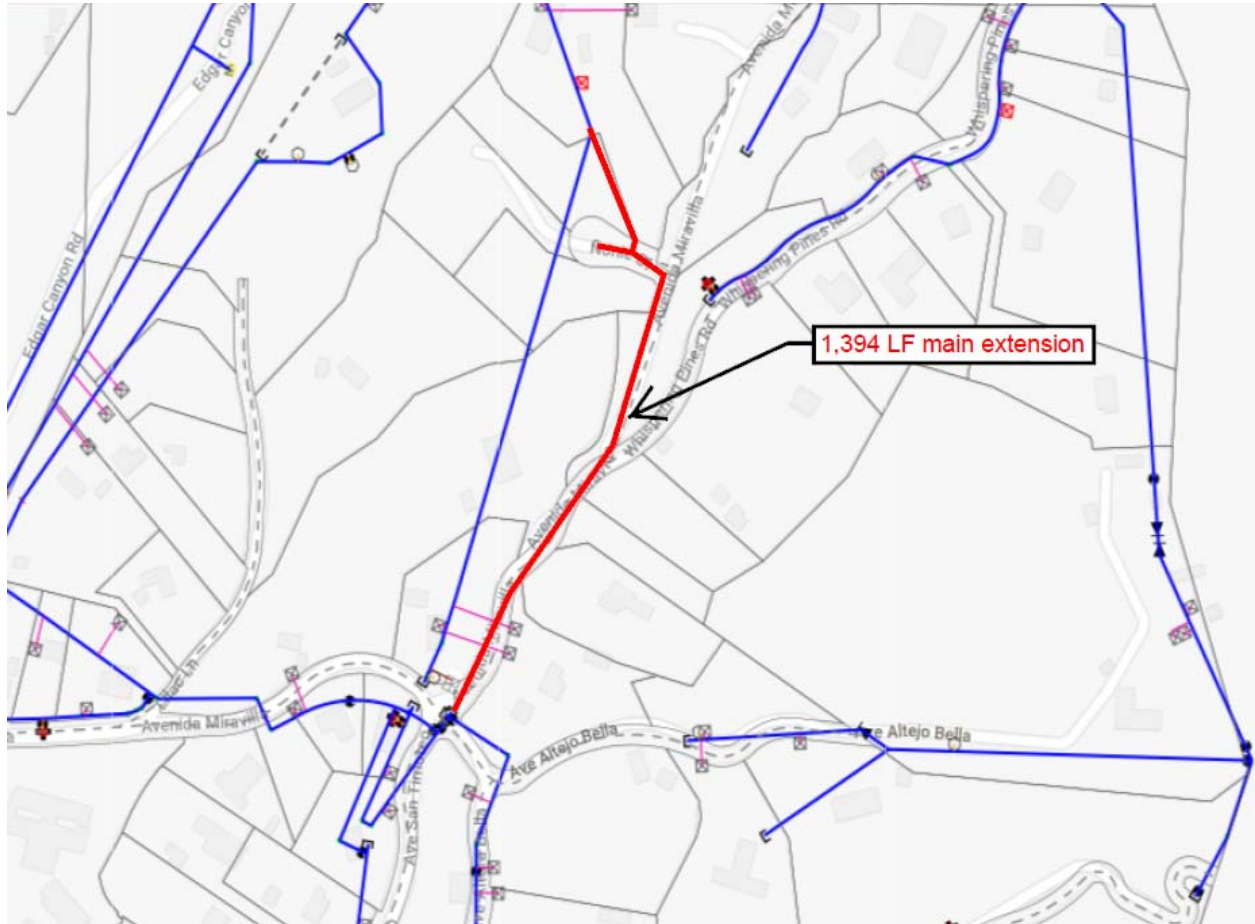




FIGURE 3 – ORIGINAL MAIN EXTENSION





**Beaumont-Cherry Valley Water District
Regular Board Meeting
February 13, 2019**

Item 9

STAFF REPORT

TO: Board of Directors

FROM: Dan Jagers, General Manager

SUBJECT: Update and Discussion regarding California Water Conditions as of February 7, 2019

Staff Recommendation

No recommendation. Information only.

Background

Currently, the California Department of Water Resources (DWR) has set the State Water Project allocation at 15 percent as of January 25, 2019. This value and associated supply modeling prepared by DWR staff is reviewed by the Department of Water Resources at the middle to the end of each month and adjustments (if any) are typically made around the first of the month.

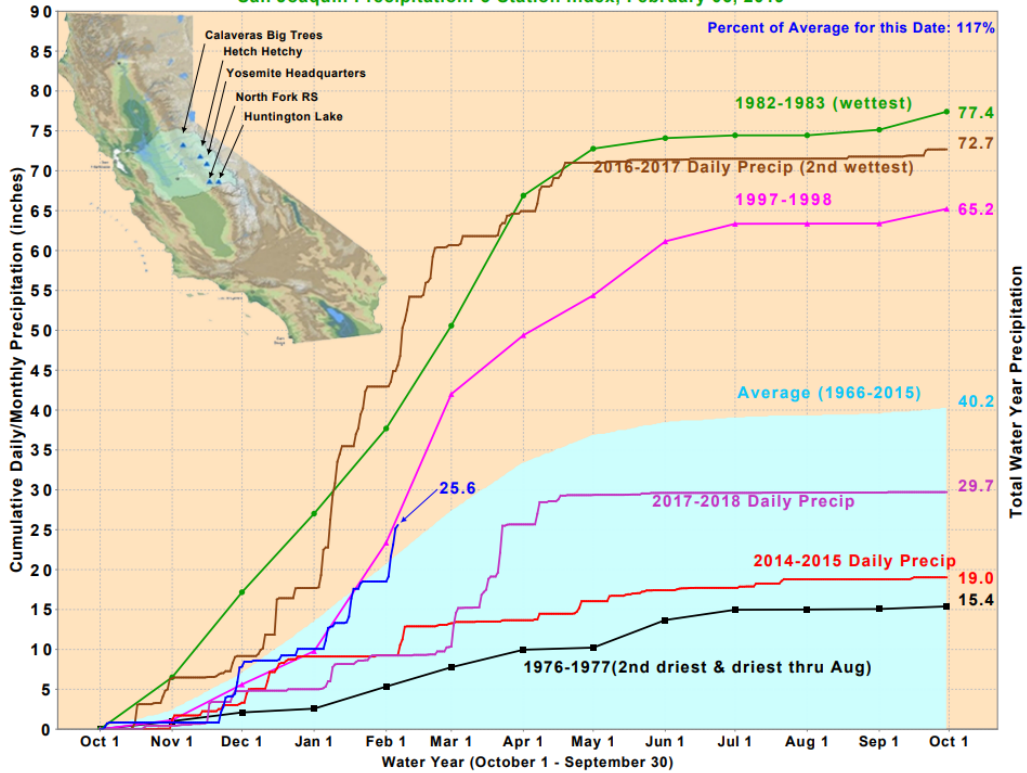
On average, 75 percent of California's annual statewide precipitation occurs from November to March. As the later part of the winter season approaches, staff presents for Board perusal the current status of precipitation, reservoir levels, and snow levels of the State in comparison with the average and historic levels for this time of year.

Attachment(s)

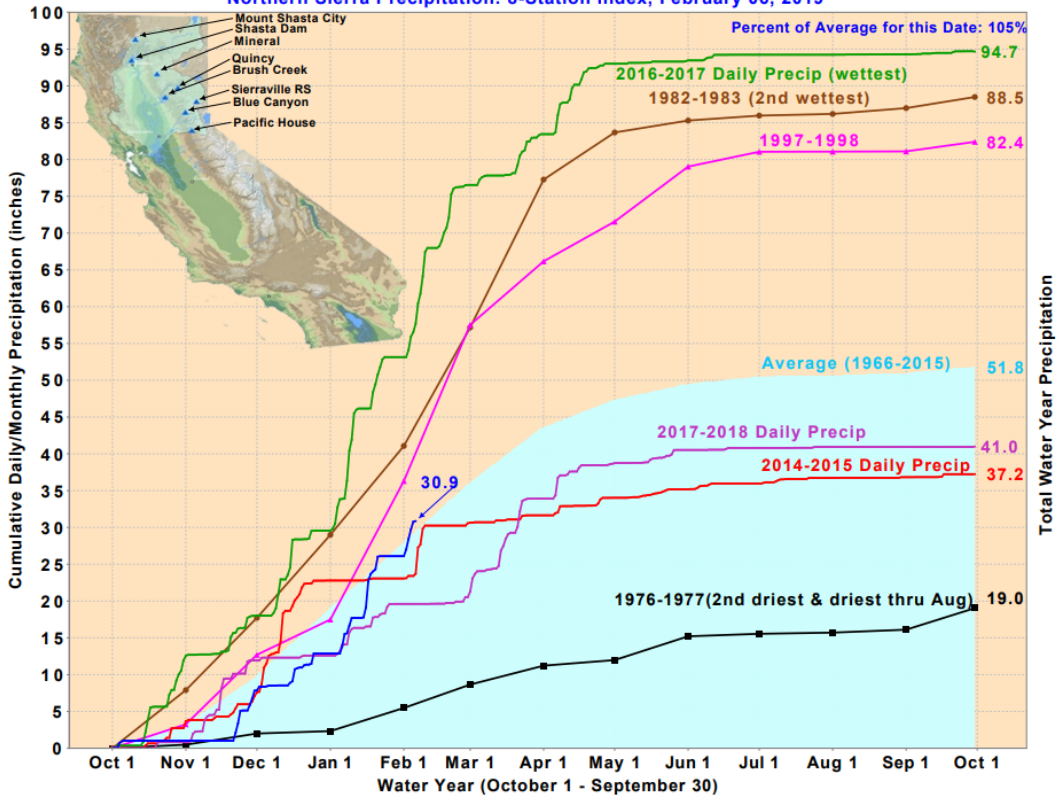
- California Department of Water Resources charts regarding Precipitation, Reservoir Conditions and Snowpack
- January 25, 2019 - Notice to State Water Project Contractors

Staff Report prepared by Erica Gonzales

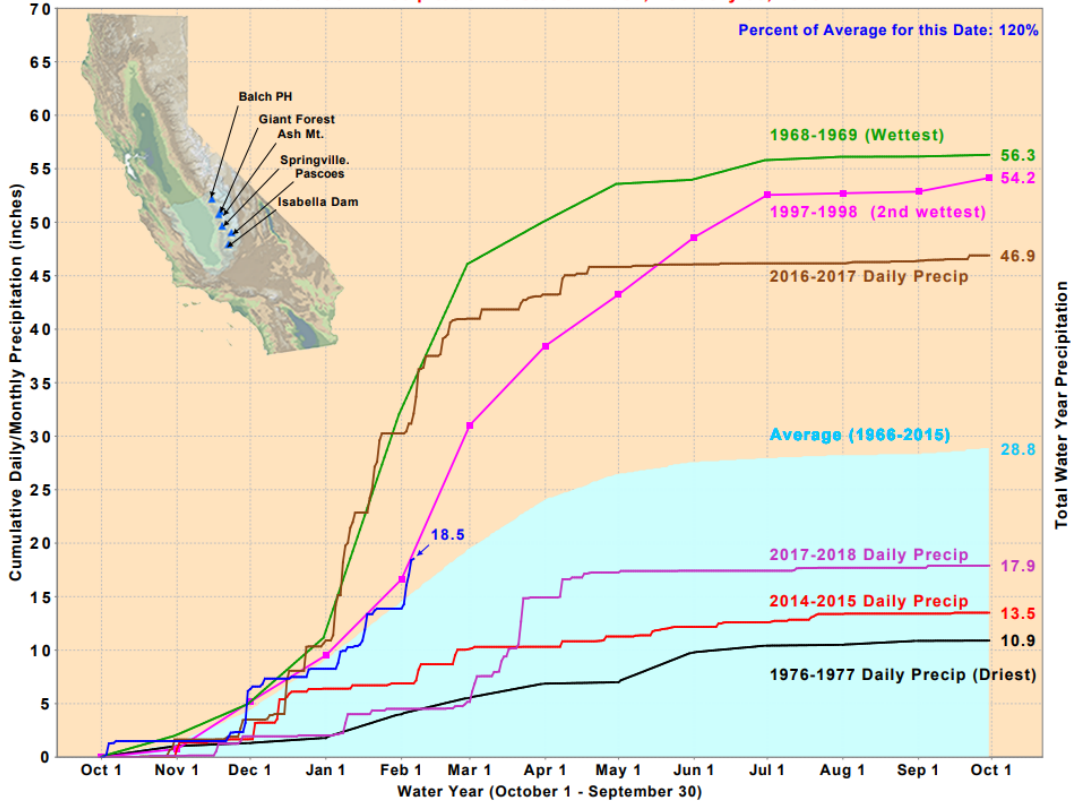
San Joaquin Precipitation: 5-Station Index, February 06, 2019



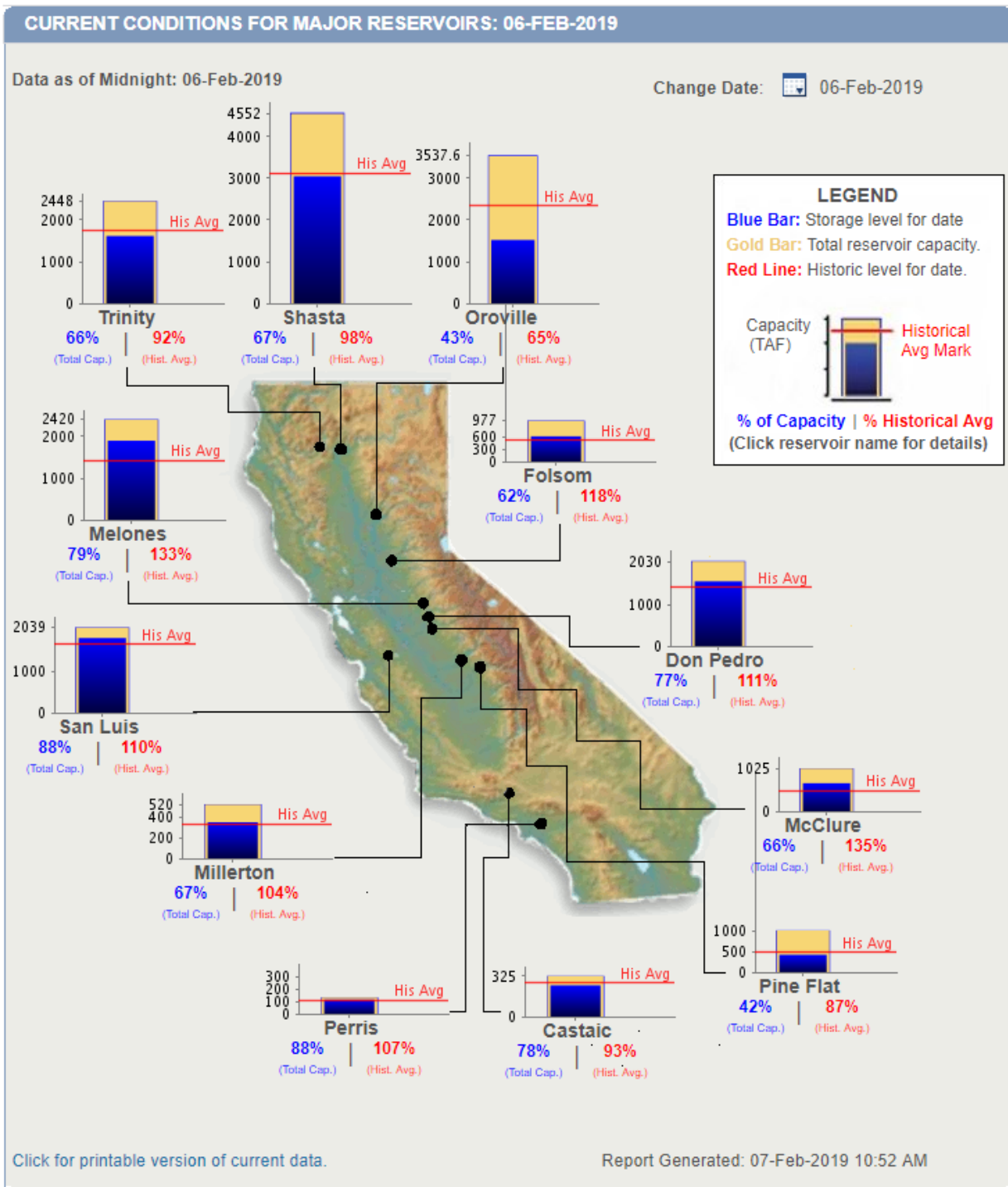
Northern Sierra Precipitation: 8-Station Index, February 06, 2019



Tulare Basin Precipitation: 6-Station Index, February 06, 2019



California Data Exchange Center - Reservoirs





Statewide Summary of Snow Water Content

Current Regional Snowpack from Automated Snow Sensors

% of April 1 Average / % of Normal for This Date



NORTH	
Data as of February 7, 2019	
Number of Stations Reporting	32
Average snow water equivalent (Inches)	21.9
Percent of April 1 Average (%)	77
Percent of normal for this date (%)	109

CENTRAL	
Data as of February 7, 2019	
Number of Stations Reporting	46
Average snow water equivalent (Inches)	26.6
Percent of April 1 Average (%)	87
Percent of normal for this date (%)	126

SOUTH	
Data as of February 7, 2019	
Number of Stations Reporting	30
Average snow water equivalent (Inches)	22.3
Percent of April 1 Average (%)	88
Percent of normal for this date (%)	135

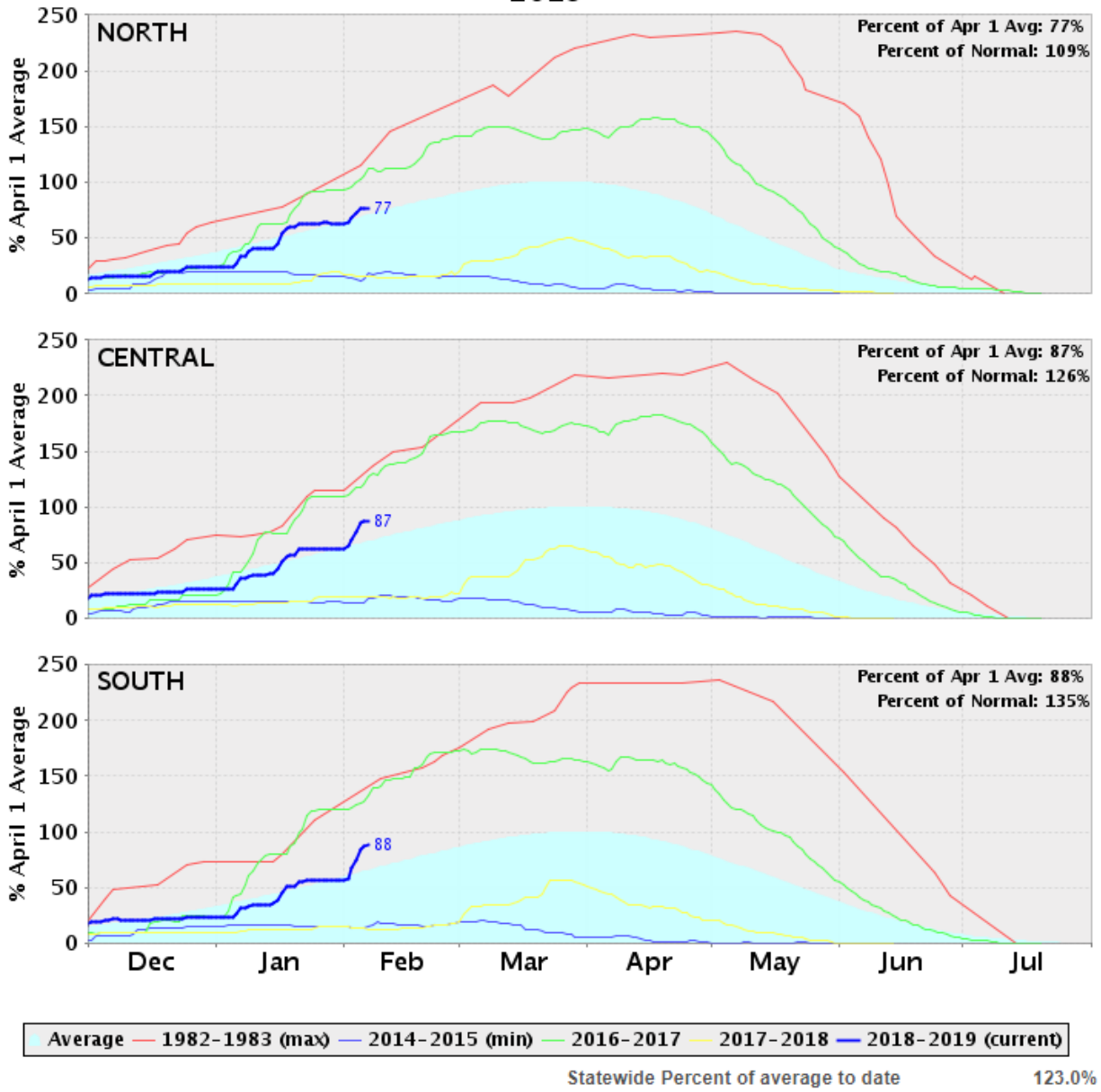
STATE	
Data as of February 7, 2019	
Number of Stations Reporting	108
Average snow water equivalent (Inches)	24.0
Percent of April 1 Average (%)	84
Percent of normal for this date (%)	123

Statewide Average: 84% / 123%

Data as of February 7, 2019

Updated 02/07/2019 10:48 AM

California Snow Water Content - Percent of April 1 Average For: 07-Feb-2019



NOTICE TO STATE WATER PROJECT CONTRACTORS**Date:** JAN 25 2019**Number:** 19-03**Subject:** 2019 State Water Project Allocation Increase – 15 Percent**From:**

A handwritten signature in blue ink that reads "Joel Ledesma".

Joel Ledesma
Deputy Director, State Water Project
Department of Water Resources

The Department of Water Resources (DWR) is increasing the allocation of 2019 State Water Project (SWP) water for long-term contractors from 427,167 acre-feet to 631,115 acre-feet. Based on the recent precipitation, runoff, and current water supply condition, SWP supplies are projected to be 15 percent of most SWP contractors' 2019 requested Table A amounts, which totals 4,172,786 acre-feet. Attached is the revised 2019 SWP 15 percent allocation table.

This allocation increase is made consistent with the long-term water supply contracts and public policy. DWR's approval considered several factors including existing storage in SWP conservation reservoirs, SWP operational constraints such as the conditions of the Biological Opinions for Delta Smelt and Salmonids, and the Longfin Smelt incidental take permit, and the 2019 contractor demands. DWR may revise this and any subsequent allocations if warranted by the year's developing hydrologic and water supply conditions.

To develop the new 15 percent schedule, DWR will scale up the current long-term SWP contractors' 10 percent schedules that were submitted in October 2018 (as part of their initial request), unless a contractor submits an updated schedule. DWR will send the approved monthly water delivery schedules to the long-term SWP contractors.

If you have any questions or need additional information, please contact Pedro Villalobos, Chief, State Water Project Analysis Office, at (916) 653-4313.

Attachment

2019 STATE WATER PROJECT ALLOCATION
(ACRE-FEET)

SWP CONTRACTORS	TABLE A (1)	INITIAL REQUEST (2)	APPROVED ALLOCATION (3)	PERCENT INITIAL REQUEST APPROVED (3)/(2) (4)
<u>FEATHER RIVER</u>				
County of Butte	27,500	27,500	5,000	18%
Plumas County FC&WCD	2,700	2,700	405	15%
City of Yuba City	9,600	9,600	1,920	20%
Subtotal	39,800	39,800	7,325	
<u>NORTH BAY</u>				
Napa County FC&WCD	29,025	29,025	5,805	20%
Solano County WA	47,756	47,756	9,551	20%
Subtotal	76,781	76,781	15,356	
<u>SOUTH BAY</u>				
Alameda County FC&WCD, Zone 7	80,619	80,619	12,093	15%
Alameda County WD	42,000	42,000	6,300	15%
Santa Clara Valley WD	100,000	100,000	15,000	15%
Subtotal	222,619	222,619	33,393	
<u>SAN JOAQUIN VALLEY</u>				
Oak Flat WD	5,700	5,700	855	15%
County of Kings	9,305	9,305	1,396	15%
Dudley Ridge WD	45,350	45,350	6,803	15%
Empire West Side ID	3,000	3,000	450	15%
Kern County WA	982,730	982,730	147,410	15%
Tulare Lake Basin WSD	87,471	87,471	13,121	15%
Subtotal	1,133,556	1,133,556	170,035	
<u>CENTRAL COASTAL</u>				
San Luis Obispo County FC&WCD	25,000	25,000	3,750	15%
Santa Barbara County FC&WCD	45,486	45,486	6,823	15%
Subtotal	70,486	70,486	10,573	
<u>SOUTHERN CALIFORNIA</u>				
Antelope Valley-East Kern WA	144,844	144,844	21,727	15%
Santa Clarita Valley WA	95,200	95,200	14,280	15%
Coachella Valley WD	138,350	138,350	20,753	15%
Crestline-Lake Arrowhead WA	5,800	5,800	870	15%
Desert WA	55,750	55,750	8,363	15%
Littlerock Creek ID	2,300	2,300	345	15%
Metropolitan WDSC	1,911,500	1,911,500	286,725	15%
Mojave WA	85,800	85,800	12,870	15%
Palmdale WD	21,300	21,300	3,195	15%
San Bernardino Valley MWD	102,600	102,600	15,390	15%
San Gabriel Valley MWD	28,800	28,800	4,320	15%
San Geronio Pass WA	17,300	17,300	2,595	15%
Ventura County WPD	20,000	20,000	3,000	15%
Subtotal	2,629,544	2,629,544	394,433	
TOTAL	4,172,786	4,172,786	631,115	



**Beaumont-Cherry Valley Water District
Regular Board Meeting
February 13, 2019**

Item 10

STAFF REPORT

TO: Board of Directors
FROM: Dan Jagers, General Manager
SUBJECT: Review of BCVWD Grant Opportunities

Staff Recommendation

No recommendation.

Background

At its October 25, 2018 meeting, the Board approved a contract with Townsend Public Affairs for grantwriting consulting services. Staff has met with the consultant to familiarize them with District operations and needs, and community opportunities.

California voters approved Proposition 1, the Water Quality, Supply and Infrastructure Improvement Act of 2014, allocating \$510 million for the Integrated Regional Water Management Program. Funding is designated for assisting water infrastructure systems in adapting to climate change, providing incentives to collaborate in managing the region's water resources and setting regional priorities for water infrastructure; and improving regional water self-reliance, while reducing reliance on Sacramento-San Joaquin Delta.

BCVWD is eligible to participate in this program through the Santa Ana Watershed Project Authority (SAWPA), which is the designated groundwater sustainability agency for the San Timoteo region, including the Beaumont area.

Summary

The Board continues to move forward with the City of Beaumont through the Water Re-Uses 2 x 2 Committee and approved funding for various recycled water projects, including a recycled water booster station and various system pressure reducing stations, as part of the 2019 Capital Improvement budget in December 2018.

The recycled water projects support the goals and objectives of the SAWPA One Water, One Watershed (OWOW) integrated regional water management plan, which combines water resources management with land use planning, flood control, and natural resource management. A comprehensive application for 50 percent match funding (\$2.2 million) for the District's planned project was submitted to SAWPA on January 31, 2019. The total budgeted cost of the project is \$4.4 million.

SAWPA will select projects of highest benefit to the Santa Ana River Watershed region for submission to the Department of Water Resources for funding consideration. Those applications will be finalized and submitted by the deadline in April 2019.



District staff together with the District Grant Writing Consultant, Townsend Public Affairs, have also identified the following other projects for potential funding eligibility:

- Water conservation – Automated Metering Infrastructure (AMI water metering)
- Supervisory Control and Data Acquisition (SCADA) upgrade
- Turf removal programs
- Solar power for well electrical

Fiscal Impact

If funding is granted for the Recycled Water Program Implementation project as submitted, the District could obtain up to \$2.2 million in Proposition 1 grant matching funding to offset the cost of the Recycled Water Distribution Facility. Staff has applied for 50 percent matching funds for said Recycled Water Program projects.

Report prepared by Lynda Kerney, Administrative Assistant and Dan Jagers, General Manager