BEAUMONT-CHERRY VALLEY WATER DISTRICT
560 Magnolia Avenue, Beaumont, CA 92223

NOTICE AND AGENDA
REGULAR MEETING OF THE BOARD OF DIRECTORS
Wednesday, June 9, 2021 - 6:00 p.m.

TELECONFERENCE NOTICE

This meeting is hereby noticed pursuant to
California Government Code Section 54950 et. seq. and
California Governor's Executive Orders N-29-20 and N-33-20

The BCVWD Board of Directors will attend via Zoom Video Conference
To access the Zoom conference, use the link below:
https://us02web.zoom.us/j/84318559070?pwd=SXIzMFZCMGh0YTFIL2tnUGlpU3h0UT09

To telephone in, please dial: **(669) 900-9128**
Enter Meeting ID: **843 1855 9070**
Enter Passcode: **113552**

For Public Comment, use the ***"Raise Hand"*** *feature if on the video call when prompted. If dialing in, please* ***dial *9 to "Raise Hand"*** *when prompted*

Meeting materials are available on the BCVWD's website:
https://bcvwd.org/document-category/regular-board-agendas/

Call to Order: President Slawson

Pledge of Allegiance: Director Covington

Invocation: Director Williams

Roll Call

Teleconference Verification

Public Comment

Roll Call - Board of Directors

	President Daniel Slawson
	Vice President Lona Williams
	Secretary Andy Ramirez
	Treasurer David Hoffman
	Member John Covington

PUBLIC COMMENT: RAISE HAND OR PRESS *9 to request to speak when prompted
At this time, any person may address the Board of Directors on matters within its jurisdiction. 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. **Please limit your comments to three minutes.** Sharing or passing time to another speaker is not permitted.

ACTION ITEMS

Action may be taken on any item on the agenda. Information on the following items is included in the full Agenda Packet.

1. **Adjustments to the Agenda:** In accordance with Government Code Section 54954.2, additions to the agenda require a 2/3 vote of the legislative body, or if less than 2/3 of the members are present, a unanimous vote of those members present, which makes the determination that there is a need to take action, and the need to take action arose after the posting of the agenda.

   a. Item(s) to be removed or continued from the Agenda
   b. Emergency Item(s) to be added to the Agenda
   c. Changes to the order of 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. Review of the April 2021 Budget Variance Reports (pages 5 - 9)
   b. Review of the April 30, 2021 Cash/Investment Balance Report (page 10)
   c. Review of Check Register for the Month of May 2021 (pages 11 - 26)
   d. Review of May 2021 Invoices Pending Approval (pages 27 - 28)
   e. Minutes of the Regular Meeting of May 12, 2021 (pages 29 - 39)

3. **2020 External Audit and Annual Comprehensive Financial Report** (pages 40 - 129)

4. **Review Annual Disclosure (California Government Code Section 66013(d)), Fiscal Year 2020 Capacity Charges** (pages 130 - 135)

5. **Resolution 2021-__: Approval of Water Supply Assessment for Water Service for the Proposed Beaumont Pointe Commercial and Industrial Project (formerly Jack Rabbit Trail) located south of State Highway 60 and west of Potrero Boulevard** (pages 136 - 210)

6. **Request for *Will-Serve Letter* for the Beaumont Pointe (formerly Jack Rabbit Trail) Project located south of State Highway 60 and west of Potrero Boulevard** (pages 211 - 216)

7. **Request for Update to *Will-Serve Letter* for Proposed Single-Family Residence for Riverside County Assessor's Parcel No. (APN) 402-190-007 (40090 Lincoln Street), east of Cherry Avenue and west of Jonathan Avenue in the Community of Cherry Valley** (pages 217 - 221)

8. **Consideration of Attendance at Upcoming Events and Authorization of Reimbursement and Per Diem** (pages 222 - 252)

9. **Discussion of Return to In Person / Zoom Board Meetings** (No Staff Report)

10. **Continued Review of Anticipated California Drought Conditions, District Urban Water Management Plan Drought Restrictions and BCVWD Resolution 2014-05 Regarding Issuance of Will-Serve Letters and Other Drought Response** (pages 253 - 286)

11. Status of Local Emergency regarding the Impact of the Respiratory Illness Pandemic COVID-19 pursuant to Resolution 2020-07 (Report due every 21 days) (No Staff Report)

12. Status of Declared Local Emergencies related to Fires

a. **Impact of the Apple Fire pursuant to Resolution 2020-17** (No Staff Report)

b. **Impact of the El Dorado Fire pursuant to Resolution 2020-20** (No Staff Report)

13. Reports For Discussion

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

14. Announcements

All meetings will be held via teleconference until further notice, unless otherwise indicated.

- Personnel Committee Meeting: Monday, Jun. 21, 2021 at 5:30 p.m.
- Engineering Workshop: Thursday, Jun. 24, 2021 at 6 p.m.
- Finance and Audit Committee Meeting: Thursday, Jul. 1, 2021 at 3 p.m.
- District Offices will be closed Monday, Jul. 5, 2021 in observance of Independence Day
- Collaborative Agencies Committee: Wednesday, Jul. 7, 2021 at 5 p.m.

15. Action List for Future Meetings

- Water supply for BCVWD and the region
- Matrix for delivery of recycled water
- Update on the Delta Conveyance Project
- Legal perspective on the Delta Conveyance (request to Counsel Markman)
- Legal update on drought conditions in the west

16. Closed Session

a. CONFERENCE WITH LEGAL COUNSEL – Existing Litigation
Significant exposure to litigation
Pursuant to Government Code Section 54956.9(d)(1)
San Timoteo Watershed Authority v. City of Banning, et. al., Riverside County Superior Court Case No. RIC389197

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

17. Report on Closed Session

18. 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 on the District website at the same time as they are distributed to Board Members: 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 to the Beaumont-Cherry Valley Water District, 560 Magnolia Avenue, Beaumont, California 92223.

CERTIFICATION OF POSTING

I certify that on or before June 6, 2021, 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)).

William Clayton

Digitally signed by William Clayton
DN: cn=William Clayton, o=Beaumont-Cherry Valley Water District, ou, email=william.clayton@bcvwd.org, c=US
Date: 2021.06.03 15:26:57 -07'00'

William Clayton
Acting Director of Finance and Administration

General Ledger

Budget Variance Revenue

User: wclayton
Printed: 5/27/2021 7:42:19 AM
Period 04 - 04
Fiscal Year 2021

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**					
01-50-510-419051	Grant Revenue	$ 642,090.72	$ 39,226.00	$ 49,226.00	$ 592,864.72	92.33%
	Grant Rev	**$ 642,090.72**	**$ 39,226.00**	**$ 49,226.00**	**$ 592,864.72**	**92.33%**
01-50-510-490001	Interest Income - Bonita Vista	$ 1,600.00	$ 163.34	$ 346.35	$ 1,253.65	78.35%
01-50-510-490011	Interest Income-Fairway Canyon	$ 46,829.00	$ -	$ -	$ 46,829.00	100.00%
01-50-510-490021	Interest Income - General	$ 600,000.00	$ 39,091.30	$ 70,909.42	$ 529,090.58	88.18%
	Interest Income	**$ 648,429.00**	**$ 39,254.64**	**$ 71,255.77**	**$ 577,173.23**	**89.01%**
01-50-510-481001	Fac Fees-Wells	$ 1,496,528.00	$ 1,936.00	$ 1,138,368.00	$ 358,160.00	23.93%
01-50-510-481006	Fac Fees-Water Rights (SWP)	$ 383,425.00	$ 1,225.00	$ 148,225.00	$ 235,200.00	61.34%
01-50-510-481012	Fac Fees-Water Treatment Plant	$ 711,933.00	$ 921.00	$ 541,548.00	$ 170,385.00	23.93%
01-50-510-481018	Fac Fees-Local Water Resources	$ 151,805.00	$ 485.00	$ 58,685.00	$ 93,120.00	61.34%
01-50-510-481024	Fac Fees-Recycld Wtr Facilties	$ 1,083,746.00	$ 1,402.00	$ 824,376.00	$ 259,370.00	23.93%
01-50-510-481030	Fac Fees-Transmission (16")	$ 1,212,064.00	$ 1,568.00	$ 921,984.00	$ 290,080.00	23.93%
01-50-510-481036	Fac Fees-Storage	$ 1,552,184.00	$ 2,008.00	$ 1,180,704.00	$ 371,480.00	23.93%
01-50-510-481042	Fac Fees-Booster	$ 107,447.00	$ 139.00	$ 81,732.00	$ 25,715.00	23.93%
01-50-510-481048	Fac Fees-Pressure Reducng Stns	$ 54,883.00	$ 71.00	$ 41,748.00	$ 13,135.00	23.93%
01-50-510-481054	Fac Fees-Misc Projects	$ 47,926.00	$ 62.00	$ 36,456.00	$ 11,470.00	23.93%
01-50-510-481060	Fac Fees-Financing Costs	$ 235,765.00	$ 305.00	$ 179,340.00	$ 56,425.00	23.93%
01-50-510-485001	Front Footage Fees	$ 23,370.00	$ 3,049.50	$ 4,275.00	$ 19,095.00	81.71%
	Non-Operating Revenue	**$ 7,061,076.00**	**$ 13,171.50**	**$ 5,157,441.00**	**$ 1,903,635.00**	**26.96%**
01-50-510-410100	Sales	$ 5,626,822.29	$ 230,572.48	$ 1,268,811.26	$ 4,358,011.03	77.45%
01-50-510-410151	Agricultural Irrigation Sales	$ 22,315.78	$ -	$ 3,007.86	$ 19,307.92	86.52%
01-50-510-410171	Construction Sales	$ 101,314.47	$ 21,013.02	$ 44,776.65	$ 56,537.82	55.80%
01-50-510-413001	Backflow Admin Charges	$ 45,000.00	$ 5,399.85	$ 16,419.92	$ 28,580.08	63.51%
01-50-510-413011	Fixed Meter Charges	$ 3,661,780.56	$ 372,822.89	$ 1,384,866.35	$ 2,276,914.21	62.18%
01-50-510-413021	Meter Fees	$ 300,000.00	$ 36,490.00	$ 97,518.00	$ 202,482.00	67.49%
01-50-510-415001	SGPWA Importation Charges	$ 3,870,300.00	$ 196,380.46	$ 999,064.50	$ 2,871,235.50	74.19%
01-50-510-415011	SCE Power Charges	$ 1,816,800.00	$ 87,280.21	$ 444,008.51	$ 1,372,791.49	75.56%
01-50-510-417001	2nd Notice Penalties	$ 100,000.00	$ (170.00)	$ 11,735.00	$ 88,265.00	88.27%
01-50-510-417011	3rd Notice Charges	$ 50,000.00	$ -	$ -	$ 50,000.00	100.00%
01-50-510-417021	Account Reinstatement Fees	$ 10,000.00	$ -	$ -	$ 10,000.00	100.00%
01-50-510-417031	Lien Processing Fees	$ 2,000.00	$ (100.00)	$ -	$ 2,000.00	100.00%
01-50-510-417041	Credit Check Processing Fees	$ 9,600.00	$ 870.00	$ 3,355.00	$ 6,245.00	65.05%
01-50-510-417051	Returned Check Fees	$ 4,000.00	$ 425.00	$ 925.00	$ 3,075.00	76.88%
01-50-510-417061	Custmr Damages/Upgrade Charges	$ 22,000.00	$ 1,250.00	$ 2,420.00	$ 19,580.00	89.00%
01-50-510-417071	After Hours Call Out Charges	$ 600.00	$ -	$ -	$ 600.00	100.00%
01-50-510-417081	Bench Test Fees	$ 90.00	$ -	$ -	$ 90.00	100.00%
01-50-510-417091	Credit Card Processing Fees	$ 78,000.00	$ 4,952.00	$ 10,156.50	$ 67,843.50	86.98%
01-50-510-419001	Rebates/Refunds	$ -	$ 26,437.72	$ 26,437.72	$ (26,437.72)	0.00%
01-50-510-419011	Development Income	$ 60,000.00	$ 25,425.45	$ 71,567.90	$ (11,567.90)	-19.28%
01-50-510-419012	Development Income-GIS	$ 300,000.00	$ -	$ -	$ 300,000.00	100.00%
01-50-510-419031	Well Maintenance Reimbursemnt	$ 7,500.00	$ -	$ -	$ 7,500.00	100.00%
01-50-510-419061	Miscellaneous Income	$ 500.00	$ -	$ 21,128.65	$ (20,628.65)	-4125.73%
	Operating Revenue	**$ 16,088,623.10**	**$ 1,009,049.08**	**$ 4,406,198.82**	**$ 11,682,424.28**	**72.61%**
01-50-510-471001	Rent - 12303 Oak Glen	$ 2,400.00	$ 200.00	$ 800.00	$ 1,600.00	66.67%
01-50-510-471011	Rent - 13695 Oak Glen	$ 2,400.00	$ 200.00	$ 800.00	$ 1,600.00	66.67%
01-50-510-471021	Rent - 13697 Oak Glen	$ 2,400.00	$ 200.00	$ 800.00	$ 1,600.00	66.67%
01-50-510-471031	Rent - 9781 Avenida Miravilla	$ 2,400.00	$ 200.00	$ 800.00	$ 1,600.00	66.67%
01-50-510-471101	Util - 12303 Oak Glen	$ 4,118.00	$ 326.77	$ 1,283.02	$ 2,834.98	68.84%
01-50-510-471111	Util - 13695 Oak Glen	$ 4,000.00	$ 206.79	$ 1,250.45	$ 2,749.55	68.74%
01-50-510-471121	Util - 13697 Oak Glen	$ 5,000.00	$ 144.91	$ 1,698.45	$ 3,301.55	66.03%
01-50-510-471131	Util - 9781 Avenida Miravilla	$ 3,600.00	$ 259.00	$ 1,433.34	$ 2,166.66	60.19%
	Rent/Utilities	**$ 26,318.00**	**$ 1,737.47**	**$ 8,865.26**	**$ 17,452.74**	**66.31%**
Revenue Total		**$ 24,466,536.82**	**$ 1,102,438.69**	**$ 9,692,986.85**	**$ 14,773,549.97**	**60.38%**

General Ledger
Budget Variance Expense

User: wclayton
Printed: 5/27/2021 9:33:48 AM
Period 04 - 04
Fiscal Year 2021

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	$ 45,200.00	$ 6,740.00	$ 15,940.00	$ 29,260.00	$ -	64.73%
01-10-110-500115	Social Security	$ 2,805.00	$ 417.88	$ 988.28	$ 1,816.72	$ -	64.77%
01-10-110-500120	Medicare	$ 658.00	$ 97.73	$ 231.13	$ 426.87	$ -	64.87%
01-10-110-500125	Health Insurance	$ 130,241.40	$ 3,748.62	$ 5,622.93	$ 124,618.47	$ -	95.68%
01-10-110-500140	Life Insurance	$ 120.00	$ 6.82	$ 33.98	$ 86.02	$ -	71.68%
01-10-110-500143	EAP Program	$ 360.00	$ 7.75	$ 38.75	$ 321.25	$ -	89.24%
01-10-110-500145	Workers' Compensation	$ 521.00	$ 35.05	$ 82.89	$ 438.11	$ -	84.09%
01-10-110-500175	Training/Education/Mtgs/Travel	$ 10,000.00	$ 1,645.00	$ 1,645.00	$ 8,355.00	$ -	83.55%
	Board of Directors Personnel	**$ 189,905.40**	**$ 12,698.85**	**$ 24,582.96**	**$ 165,322.44**	**$ -**	**87.06%**
01-10-110-550042	Supplies-Other	$ 1,000.00	$ -	$ -	$ 1,000.00	$ -	100.00%
	Board of Directors Materials & Supplies	**$ 1,000.00**	**$ -**	**$ -**	**$ 1,000.00**	**$ -**	**100.00%**
01-10-110-550012	Election Expenses	$ 130,000.00	$ 234.00	$ 234.00	$ 129,766.00	$ -	99.82%
01-10-110-550051	Advertising/Legal Notices	$ 1,400.00	$ 328.00	$ 690.00	$ 710.00	$ -	50.71%
	Board of Directors Services	**$ 131,400.00**	**$ 562.00**	**$ 924.00**	**$ 130,476.00**	**$ -**	**99.30%**
Expense Total	**BOARD OF DIRECTORS**	**$ 322,305.40**	**$ 13,260.85**	**$ 25,506.96**	**$ 296,798.44**	**$ -**	**92.09%**
20	**ENGINEERING**						
01-20-210-500105	Labor	$ 561,698.00	$ 41,129.08	$ 117,325.78	$ 444,372.22	$ -	79.11%
01-20-210-500115	Social Security	$ 39,169.00	$ 2,593.41	$ 7,127.69	$ 32,041.31	$ -	81.80%
01-20-210-500120	Medicare	$ 9,164.00	$ 606.53	$ 1,722.12	$ 7,441.88	$ -	81.21%
01-20-210-500125	Health Insurance	$ 107,328.00	$ 3,640.44	$ 13,283.56	$ 94,044.44	$ -	87.62%
01-20-210-500140	Life Insurance	$ 2,736.00	$ 35.28	$ 141.12	$ 2,594.88	$ -	94.84%
01-20-210-500143	EAP Program	$ 344.00	$ 7.75	$ 31.00	$ 313.00	$ -	90.99%
01-20-210-500145	Workers' Compensation	$ 5,778.00	$ 265.49	$ 769.79	$ 5,008.21	$ -	86.68%
01-20-210-500150	Unemployment Insurance	$ 19,100.00	$ -	$ 885.50	$ 18,214.50	$ -	95.36%
01-20-210-500155	Retirement/CalPERS	$ 90,255.00	$ 4,736.69	$ 15,356.69	$ 74,898.31	$ -	82.99%
01-20-210-500165	Uniforms & Employee Benefits	$ 350.00	$ -	$ -	$ 350.00	$ -	100.00%
01-20-210-500175	Training/Education/Mtgs/Travel	$ 6,000.00	$ -	$ -	$ 6,000.00	$ -	100.00%
01-20-210-500180	Accrued Sick Leave Expense	$ 28,816.00	$ (744.66)	$ (33.36)	$ 28,849.36	$ -	100.12%
01-20-210-500185	Accrued Vacation Leave Expense	$ 21,282.00	$ 1,427.30	$ 1,427.30	$ 19,854.70	$ -	93.29%
01-20-210-500187	Accrual Leave Payments	$ 14,510.00	$ -	$ -	$ 14,510.00	$ -	100.00%
01-20-210-500195	CIP Related Labor	$ (225,000.00)	$ (1,469.32)	$ (13,347.80)	$ (211,652.20)	$ -	94.07%
	Engineering Personnel	**$ 681,530.00**	**$ 52,227.99**	**$ 144,689.39**	**$ 536,840.61**	**$ -**	**78.77%**
01-20-210-540048	Permits, Fees & Licensing	$ 2,060.00	$ -	$ -	$ 2,060.00	$ -	100.00%
	Engineering Materials & Supplies	**$ 2,060.00**	**$ -**	**$ -**	**$ 2,060.00**	**$ -**	**100.00%**
01-20-210-540014	Development Reimbursable-GIS	$ 300,000.00	$ -	$ -	$ 300,000.00	$ -	100.00%
01-20-210-550030	Membership Dues	$ 900.00	$ -	$ 300.00	$ 600.00	$ -	66.67%
01-20-210-550051	Advertising/Legal Notices	$ 2,000.00	$ -	$ -	$ 2,000.00	$ -	100.00%
01-20-210-580031	Outside Engineering	$ 60,000.00	$ -	$ -	$ 60,000.00	$ -	100.00%
01-20-210-580032	CIP Related Outside Engineering	$ (41,280.00)	$ -	$ -	$ (41,280.00)	$ -	100.00%
	Engineering Services	**$ 321,620.00**	**$ -**	**$ 300.00**	**$ 321,320.00**	**$ -**	**99.91%**
Expense Total	**ENGINEERING**	**$ 1,005,210.00**	**$ 52,227.99**	**$ 144,989.39**	**$ 860,220.61**	**$ -**	**85.58%**
30	**FINANCE & ADMIN SERVICES**						
01-30-310-500105	Labor	$ 1,178,947.00	$ 104,791.62	$ 278,709.25	$ 900,237.75	$ -	76.36%
01-30-310-500110	Overtime	$ 1,214.00	$ 774.46	$ 1,735.06	$ (521.06)	$ -	-42.92%
01-30-310-500111	Double Time	$ 193.00	$ 256.16	$ 256.16	$ (63.16)	$ -	-32.73%
01-30-310-500115	Social Security	$ 88,696.00	$ 7,537.88	$ 19,575.80	$ 69,120.20	$ -	77.93%
01-30-310-500120	Medicare	$ 20,759.00	$ 1,762.88	$ 4,578.19	$ 16,180.81	$ -	77.95%
01-30-310-500125	Health Insurance	$ 268,320.00	$ 15,757.24	$ 64,234.66	$ 204,085.34	$ -	76.06%
01-30-310-500130	CalPERS Health Admin Costs	$ 2,500.00	$ 145.75	$ 578.86	$ 1,921.14	$ -	76.85%
01-30-310-500140	Life Insurance	$ 6,348.00	$ 106.56	$ 420.12	$ 5,927.88	$ -	93.38%
01-30-310-500143	EAP Program	$ 885.00	$ 18.60	$ 69.75	$ 815.25	$ -	92.12%
01-30-310-500145	Workers' Compensation	$ 11,734.00	$ 618.67	$ 1,633.66	$ 10,100.34	$ -	86.08%
01-30-310-500150	Unemployment Insurance	$ 40,094.00	$ -	$ -	$ 40,094.00	$ -	100.00%
01-30-310-500155	Retirement/CalPERS	$ 211,738.00	$ 19,913.23	$ 64,583.53	$ 147,154.47	$ -	69.50%
01-30-310-500161	Estim Current Yr OPEB Expense	$ 151,500.00	$ -	$ -	$ 151,500.00	$ -	100.00%
01-30-310-500165	Uniforms & Employee Benefits	$ 1,000.00	$ -	$ -	$ 1,000.00	$ -	100.00%
01-30-310-500175	Training/Education/Mtgs/Travel	$ 25,000.00	$ 465.00	$ 1,846.60	$ 23,153.40	$ -	92.61%
01-30-310-500180	Accrued Sick Leave Expense	$ 57,478.00	$ 712.49	$ 4,977.21	$ 52,500.79	$ -	91.34%
01-30-310-500185	Accrued Vacation Leave Expense	$ 86,947.00	$ 6,885.95	$ 13,472.70	$ 73,474.30	$ -	84.50%
01-30-310-500187	Accrual Leave Payments	$ 93,571.00	$ 7,939.36	$ 15,944.61	$ 77,626.39	$ -	82.96%
01-30-310-500195	CIP Related Labor	$ (16,032.00)	$ -	$ -	$ (16,032.00)	$ -	100.00%
01-30-310-560000	GASB 68 Pension Expense	$ 167,500.00	$ -	$ -	$ 167,500.00	$ -	100.00%
01-30-320-500105	Labor	$ 67,242.00	$ 6,497.47	$ 17,371.81	$ 49,870.19	$ -	74.17%
01-30-320-500110	Overtime	$ 563.00	$ 259.03	$ 702.38	$ (139.38)	$ -	-24.76%
01-30-320-500111	Double Time	$ -	$ 75.82	$ 75.82	$ (75.82)	$ -	#DIV/0!

Account Number	Description	Budget	Period Amt	End Bal	Variance	Encumbered	% Avail/ Uncollect
01-30-320-500115	Social Security	$ 4,630.00	$ 432.55	$ 1,146.34	$ 3,483.66	$ -	75.24%
01-30-320-500120	Medicare	$ 1,084.00	$ 101.16	$ 268.10	$ 815.90	$ -	75.27%
01-30-320-500125	Health Insurance	$ 26,832.00	$ 1,278.20	$ 5,112.80	$ 21,719.20	$ -	80.95%
01-30-320-500140	Life Insurance	$ 444.00	$ 6.60	$ 26.40	$ 417.60	$ -	94.05%
01-30-320-500143	EAP Program	$ 72.00	$ 1.55	$ 6.20	$ 65.80	$ -	91.39%
01-30-320-500145	Workers' Compensation	$ 661.00	$ 35.63	$ 94.73	$ 566.27	$ -	85.67%
01-30-320-500150	Unemployment Insurance	$ 2,287.00	$ -	$ -	$ 2,287.00	$ -	100.00%
01-30-320-500155	Retirement/CalPERS	$ 11,828.00	$ 608.47	$ 1,704.35	$ 10,123.65	$ -	85.59%
01-30-320-500165	Uniforms & Employee Benefits	$ 111.00	$ -	$ -	$ 111.00	$ -	100.00%
01-30-320-500175	Training/Education/Mtgs/Travel	$ 9,400.00	$ -	$ 40.00	$ 9,360.00	$ -	99.57%
01-30-320-500176	District Professional Developm	$ 29,000.00	$ 100.00	$ 100.00	$ 28,900.00	$ -	99.66%
01-30-320-500177	Gen Safety Training & Supplies	$ 28,250.00	$ 400.00	$ 2,000.00	$ 26,250.00	$ 224.29	92.13%
01-30-320-500180	Accrued Sick Leave Expense	$ 3,106.00	$ 143.33	$ 337.02	$ 2,768.98	$ -	89.15%
01-30-320-500185	Accrued Vacation Leave Expense	$ 3,202.00	$ -	$ -	$ 3,202.00	$ -	100.00%
01-30-320-500187	Accrual Leave Payments	$ 449.00	$ -	$ -	$ 449.00	$ -	100.00%
01-30-320-550024	Employment Testing	$ 4,530.00	$ 116.60	$ 135.49	$ 4,394.51	$ -	97.01%
	Finance & Admin Services Personnel	**$ 2,592,083.00**	**$ 177,742.26**	**$ 501,737.60**	**$ 2,090,345.40**	**$ 224.29**	**80.63%**
01-30-310-550006	Cashiering Shortages/Overages	$ 50.00	$ -	$ -	$ 50.00	$ -	100.00%
01-30-310-550018	Employee Medical/First Aid	$ 300.00	$ -	$ -	$ 300.00	$ -	100.00%
01-30-310-550042	Office Supplies	$ 10,000.00	$ 712.91	$ 2,578.59	$ 7,421.41	$ -	74.21%
01-30-310-550046	Office Equipment	$ 5,000.00	$ -	$ -	$ 5,000.00	$ -	100.00%
01-30-310-550048	Postage	$ 12,000.00	$ 275.00	$ 964.20	$ 11,035.80	$ -	91.97%
01-30-310-550066	Subscriptions	$ 2,000.00	$ -	$ 92.10	$ 1,907.90	$ -	95.40%
01-30-310-550072	Misc Operating Expenses	$ 1,000.00	$ 0.15	$ 0.15	$ 999.85	$ -	99.99%
01-30-310-550078	Bad Debt Expense	$ 25,000.00	$ -	$ -	$ 25,000.00	$ -	100.00%
01-30-310-550084	Depreciation	$ 2,850,000.00	$ 240,981.47	$ 964,037.76	$ 1,885,962.24	$ -	66.17%
01-30-320-550028	District Certification	$ 2,550.00	$ -	$ 2,195.00	$ 355.00	$ -	13.92%
01-30-320-550042	Office Supplies	$ 2,500.00	$ 85.21	$ 1,022.21	$ 1,477.79	$ -	59.11%
	Finance & Admin Services Materials & Supplies	**$ 2,910,400.00**	**$ 242,054.74**	**$ 970,890.01**	**$ 1,939,509.99**	**$ -**	**66.64%**
01-30-310-500190	Temporary Labor	$ 49,154.00	$ 5,419.72	$ 39,930.35	$ 9,223.65	$ -	18.76%
01-30-310-550001	Bank/Financial Service Fees	$ 20,600.00	$ 661.41	$ 1,680.37	$ 18,919.63	$ -	91.84%
01-30-310-550008	Transaction/Return Fees	$ 2,500.00	$ 150.23	$ 271.19	$ 2,228.81	$ -	89.15%
01-30-310-550010	Transaction/Credit Card Fees	$ 78,000.00	$ 5,880.52	$ 23,081.92	$ 54,918.08	$ -	70.41%
01-30-310-550014	Credit Check Fees	$ 10,300.00	$ 516.00	$ 1,874.70	$ 8,425.30	$ -	81.80%
01-30-310-550030	Membership Dues	$ 43,260.00	$ 1,936.67	$ 17,780.64	$ 25,479.36	$ -	58.90%
01-30-310-550036	Notary & Lien Fees	$ 2,060.00	$ 122.00	$ 227.00	$ 1,833.00	$ -	88.98%
01-30-310-550050	Utility Billing Service	$ 72,000.00	$ 11,386.95	$ 21,025.11	$ 50,974.89	$ -	70.80%
01-30-310-550051	Advertising/Legal Notices	$ 4,000.00	$ -	$ -	$ 4,000.00	$ -	100.00%
01-30-310-550054	Property, Auto& Gen Liab Insur	$ 85,000.00	$ 8,240.83	$ 32,963.32	$ 52,036.68	$ -	61.22%
01-30-310-580001	Accounting & Audit	$ 36,050.00	$ 26,900.00	$ 27,050.00	$ 9,000.00	$ -	24.97%
01-30-310-580011	General Legal	$ 150,000.00	$ 3,977.50	$ 9,720.50	$ 140,279.50	$ -	93.52%
01-30-310-580036	Other Professional Services	$ 147,200.00	$ 4,000.00	$ 16,000.00	$ 131,200.00	$ -	89.13%
01-30-320-550025	Employee Retention	$ 5,000.00	$ 70.00	$ 245.00	$ 4,755.00	$ -	95.10%
01-30-320-550026	Recruitment Expense	$ 8,059.00	$ 797.00	$ 996.00	$ 7,063.00	$ -	87.64%
01-30-320-550030	Membership Dues	$ 1,470.00	$ -	$ 1,059.00	$ 411.00	$ -	27.96%
01-30-320-550051	Advertising/Legal Notices	$ 2,785.00	$ 296.96	$ 701.34	$ 2,083.66	$ -	74.82%
01-30-320-580036	Other Professional Services	$ 92,000.00	$ 750.00	$ 3,252.00	$ 88,748.00	$ -	96.47%
	Finance & Admin Services Services	**$ 809,438.00**	**$ 71,105.79**	**$ 197,858.44**	**$ 611,579.56**	**$ -**	**75.56%**
Expense Total	**FINANCE & ADMIN SERVICES**	**$ 6,311,921.00**	**$ 490,902.79**	**$ 1,670,486.05**	**$ 4,641,434.95**	**$ 224.29**	**73.53%**
35	**INFORMATION TECHNOLOGY**						
01-35-315-500105	Labor	$ 143,514.00	$ 15,621.60	$ 41,006.70	$ 102,507.30	$ -	71.43%
01-35-315-500115	Social Security	$ 11,298.00	$ 969.27	$ 3,595.92	$ 7,702.08	$ -	68.17%
01-35-315-500120	Medicare	$ 2,643.00	$ 226.68	$ 840.96	$ 1,802.04	$ -	68.18%
01-35-315-500125	Health Insurance	$ 26,832.00	$ 2,170.69	$ 8,682.76	$ 18,149.24	$ -	67.64%
01-35-315-500140	Life Insurance	$ 936.00	$ 16.80	$ 67.20	$ 868.80	$ -	92.82%
01-35-315-500143	EAP Program	$ 72.00	$ 1.55	$ 6.20	$ 65.80	$ -	91.39%
01-35-315-500145	Workers' Compensation	$ 1,476.00	$ 81.24	$ 213.25	$ 1,262.75	$ -	85.55%
01-35-315-500150	Unemployment Insurance	$ 4,880.00	$ -	$ -	$ 4,880.00	$ -	100.00%
01-35-315-500155	Retirement/CalPERS	$ 15,804.00	$ 1,645.02	$ 4,810.37	$ 10,993.63	$ -	69.56%
01-35-315-500175	Training/Education/Mtgs/Travel	$ 4,120.00	$ 95.00	$ 95.00	$ 4,025.00	$ -	97.69%
01-35-315-500180	Accrued Sick Leave Expense	$ 8,270.00	$ -	$ -	$ 8,270.00	$ -	100.00%
01-35-315-500185	Accrued Vacation Leave Expense	$ 15,035.00	$ -	$ -	$ 15,035.00	$ -	100.00%
01-35-315-500187	Accrual Leave Payments	$ 14,660.00	$ -	$ 16,960.51	$ (2,300.51)	$ -	-15.69%
01-35-315-500195	CIP Related Labor	$ (32,875.00)	$ -	$ -	$ (32,875.00)	$ -	100.00%
	Information Technology Personnel	**$ 216,665.00**	**$ 20,827.85**	**$ 76,278.87**	**$ 140,386.13**	**$ -**	**64.79%**
01-35-315-501511	Telephone/Internet Service	$ 36,668.00	$ 4,701.80	$ 8,918.37	$ 27,749.63	$ -	75.68%
01-35-315-550044	Printing/Toner & Maint	$ 19,000.00	$ 998.42	$ 4,769.42	$ 14,230.58	$ 221.40	73.73%
	Information Technology Materials & Supplies	**$ 55,668.00**	**$ 5,700.22**	**$ 13,687.79**	**$ 41,980.21**	**$ 221.40**	**75.01%**
01-35-315-550030	Membership Dues	$ 2,060.00	$ 65.00	$ 760.00	$ 1,300.00	$ -	63.11%
01-35-315-580016	Computer Hardware	$ 25,000.00	$ 97.61	$ 581.58	$ 24,418.42	$ -	97.67%
01-35-315-580021	IT/Software Support	$ 5,150.00	$ -	$ 3,503.45	$ 1,646.55	$ -	31.97%
01-35-315-580026	License/Maintenance/Support	$ 210,000.00	$ 16,224.08	$ 53,324.81	$ 156,675.19	$ -	74.61%
	Information Technology Services	**$ 242,210.00**	**$ 16,386.69**	**$ 58,169.84**	**$ 184,040.16**	**$ -**	**75.98%**

Account Number	Description	Budget	Period Amt	End Bal	Variance	Encumbered	% Avail/ Uncollect
Expense Total	**INFORTMATION TECHNOLOGY**	**$ 514,543.00**	**$ 42,914.76**	**$ 148,136.50**	**$ 366,406.50**	**$ 221.40**	**71.17%**
40	**OPERATIONS**						
410	**Source of Supply Personnel**						
01-40-410-500105	Labor	$ 483,039.00	$ 30,030.01	$ 75,890.33	$ 407,148.67	$ -	84.29%
01-40-410-500110	Overtime	$ 20,292.00	$ 47.31	$ 767.62	$ 19,524.38	$ -	96.22%
01-40-410-500111	Double Time	$ 2,751.00	$ -	$ -	$ 2,751.00	$ -	100.00%
01-40-410-500113	Standby/On-Call	$ 12,250.00	$ 1,050.00	$ 3,150.00	$ 9,100.00	$ -	74.29%
01-40-410-500115	Social Security	$ 36,063.00	$ 2,017.22	$ 5,445.57	$ 30,617.43	$ -	84.90%
01-40-410-500120	Medicare	$ 8,439.00	$ 471.77	$ 1,273.58	$ 7,165.42	$ -	84.91%
01-40-410-500125	Health Insurance	$ 187,824.00	$ 7,877.35	$ 31,509.40	$ 156,314.60	$ -	83.22%
01-40-410-500140	Life Insurance	$ 3,252.00	$ 32.04	$ 128.16	$ 3,123.84	$ -	96.06%
01-40-410-500143	EAP Program	$ 504.00	$ 7.75	$ 24.80	$ 479.20	$ -	95.08%
01-40-410-500145	Workers' Compensation	$ 24,270.00	$ 889.62	$ 2,365.23	$ 21,904.77	$ -	90.25%
01-40-410-500150	Unemployment Insurance	$ 57,436.00	$ -	$ 5,769.50	$ 51,666.50	$ -	89.95%
01-40-410-500155	Retirement/CalPERS	$ 111,455.00	$ 7,037.84	$ 20,994.85	$ 90,460.15	$ -	81.16%
01-40-410-500165	Uniforms & Employee Benefits	$ 3,652.00	$ 393.90	$ 393.90	$ 3,258.10	$ -	89.21%
01-40-410-500175	Training/Education/Mtgs/Travel	$ 6,000.00	$ 240.00	$ 385.00	$ 5,615.00	$ -	93.58%
01-40-410-500180	Accrued Sick Leave Expense	$ 22,256.00	$ 628.63	$ 2,283.81	$ 19,972.19	$ -	89.74%
01-40-410-500185	Accrued Vacation Leave Expense	$ 31,088.00	$ 416.50	$ 5,380.78	$ 25,707.22	$ -	82.69%
01-40-410-500187	Accrual Leave Payments	$ 8,586.00	$ -	$ -	$ 8,586.00	$ -	100.00%
01-40-410-500195	CIP Related Labor	$ (30,000.00)	$ -	$ -	$ (30,000.00)	$ -	100.00%
440	**Transmission & Distribution Personnel**						
01-40-440-500105	Labor	$ 890,681.00	$ 51,788.44	$ 152,736.37	$ 737,944.63	$ -	82.85%
01-40-440-500110	Overtime	$ 42,887.00	$ 5,355.07	$ 10,824.80	$ 32,062.20	$ -	74.76%
01-40-440-500111	Double Time	$ 11,117.00	$ 1,837.87	$ 3,537.34	$ 7,579.66	$ -	68.18%
01-40-440-500113	Standby/On-Call	$ 29,250.00	$ 1,800.00	$ 5,400.00	$ 23,850.00	$ -	81.54%
01-40-440-500115	Social Security	$ 68,068.00	$ 4,182.19	$ 11,728.56	$ 56,339.44	$ -	82.77%
01-40-440-500120	Medicare	$ 15,931.00	$ 995.97	$ 2,760.84	$ 13,170.16	$ -	82.67%
01-40-440-500125	Health Insurance	$ 303,216.00	$ 12,178.16	$ 56,934.11	$ 246,281.89	$ -	81.22%
01-40-440-500140	Life Insurance	$ 5,496.00	$ 65.25	$ 303.48	$ 5,192.52	$ -	94.48%
01-40-440-500143	EAP Program	$ 956.00	$ 16.02	$ 73.73	$ 882.27	$ -	92.29%
01-40-440-500145	Workers' Compensation	$ 34,644.00	$ 1,304.54	$ 3,642.36	$ 31,001.64	$ -	89.49%
01-40-440-500155	Retirement/CalPERS	$ 188,285.00	$ 13,058.03	$ 41,660.69	$ 146,624.31	$ -	77.87%
01-40-440-500165	Uniforms & Employee Benefits	$ 7,000.00	$ -	$ 921.85	$ 6,078.15	$ -	86.83%
01-40-440-500175	Training/Education/Mtgs/Travel	$ 3,090.00	$ -	$ -	$ 3,090.00	$ -	100.00%
01-40-440-500177	General Safety Supplies	$ 7,000.00	$ -	$ 738.70	$ 6,261.30	$ -	89.45%
01-40-440-500180	Accrued Sick Leave Expense	$ 45,345.00	$ 2,489.51	$ 6,113.79	$ 39,231.21	$ -	86.52%
01-40-440-500185	Accrued Vacation Leave Expense	$ 53,352.00	$ 5,521.48	$ 11,028.66	$ 42,323.34	$ -	79.33%
01-40-440-500187	Accrual Leave Payments	$ 20,399.00	$ -	$ 1,320.28	$ 19,078.72	$ -	93.53%
01-40-440-500195	CIP Related Labor	$ (110,920.00)	$ 76.51	$ (120.04)	$ (110,799.96)	$ -	99.89%
450	**Inspections Personnel**						
01-40-450-500105	Labor	$ 32,976.00	$ 12,374.64	$ 28,836.73	$ 4,139.27	$ -	12.55%
01-40-450-500110	Overtime	$ 1,780.00	$ 4,350.05	$ 11,853.60	$ (10,073.60)	$ -	-565.93%
01-40-450-500111	Double Time	$ 223.00	$ -	$ -	$ 223.00	$ -	100.00%
01-40-450-500115	Social Security	$ 2,184.00	$ 1,040.96	$ 2,531.06	$ (347.06)	$ -	-15.89%
01-40-450-500120	Medicare	$ 512.00	$ 243.45	$ 591.97	$ (79.97)	$ -	-15.62%
01-40-450-500125	Health Insurance	$ 13,704.00	$ 3,983.74	$ 10,971.70	$ 2,732.30	$ -	19.94%
01-40-450-500140	Life Insurance	$ 252.00	$ 16.31	$ 44.13	$ 207.87	$ -	82.49%
01-40-450-500143	EAP Program	$ 36.00	$ 3.68	$ 9.79	$ 26.21	$ -	72.81%
01-40-450-500145	Workers' Compensation	$ 1,617.00	$ 392.70	$ 979.92	$ 637.08	$ -	39.40%
01-40-450-500155	Retirement/CalPERS	$ 8,891.00	$ 2,206.87	$ 5,408.30	$ 3,482.70	$ -	39.17%
460	**Customer Svc & Meter Reading Personnel**						
01-40-460-500105	Labor	$ 174,027.00	$ 13,774.58	$ 47,414.41	$ 126,612.59	$ -	72.75%
01-40-460-500110	Overtime	$ 14,424.00	$ 1,226.92	$ 2,728.37	$ 11,695.63	$ -	81.08%
01-40-460-500111	Double Time	$ 3,933.00	$ 132.65	$ 424.48	$ 3,508.52	$ -	89.21%
01-40-460-500113	Standby/On-Call	$ 3,250.00	$ -	$ -	$ 3,250.00	$ -	100.00%
01-40-460-500115	Social Security	$ 14,421.00	$ 1,258.87	$ 3,752.63	$ 10,668.37	$ -	73.98%
01-40-460-500120	Medicare	$ 3,375.00	$ 294.45	$ 877.63	$ 2,497.37	$ -	74.00%
01-40-460-500125	Health Insurance	$ 80,496.00	$ 3,994.23	$ 18,765.25	$ 61,730.75	$ -	76.69%
01-40-460-500140	Life Insurance	$ 1,188.00	$ 14.34	$ 70.93	$ 1,117.07	$ -	94.03%
01-40-460-500143	EAP Program	$ 216.00	$ 3.19	$ 17.20	$ 198.80	$ -	92.04%
01-40-460-500145	Workers' Compensation	$ 8,687.00	$ 535.83	$ 1,593.82	$ 7,093.18	$ -	81.65%
01-40-460-500155	Retirement/CalPERS	$ 48,690.00	$ 4,578.99	$ 13,939.20	$ 34,750.80	$ -	71.37%
01-40-460-500165	Uniforms & Employee Benefits	$ 1,800.00	$ -	$ 144.99	$ 1,655.01	$ -	91.95%
01-40-460-500175	Training/Education/Mtgs/Travel	$ 412.00	$ -	$ -	$ 412.00	$ -	100.00%
01-40-460-500180	Accrued Sick Leave Expense	$ 8,040.00	$ 1,505.22	$ 5,965.20	$ 2,074.80	$ -	25.81%
01-40-460-500185	Accrued Vacation Leave Expense	$ 14,918.00	$ 3,619.90	$ 4,422.08	$ 10,495.92	$ -	70.36%
01-40-460-500187	Accrual Leave Payments	$ 13,584.00	$ -	$ -	$ 13,584.00	$ -	100.00%
01-40-460-500195	CIP Related Labor	$ (30,839.00)	$ (1,412.94)	$ (1,729.21)	$ (29,109.79)	$ -	94.39%
470	**Maintenance & General Plant Personnel**						
01-40-470-500105	Labor	$ 63,243.00	$ 417.62	$ 2,145.02	$ 61,097.98	$ -	96.61%
01-40-470-500110	Overtime	$ 3,081.00	$ -	$ -	$ 3,081.00	$ -	100.00%
01-40-470-500111	Double Time	$ 955.00	$ -	$ -	$ 955.00	$ -	100.00%
01-40-470-500115	Social Security	$ 4,186.00	$ 25.89	$ 132.99	$ 4,053.01	$ -	96.82%
01-40-470-500120	Medicare	$ 982.00	$ 6.05	$ 31.10	$ 950.90	$ -	96.83%
01-40-470-500125	Health Insurance	$ 31,956.00	$ 126.79	$ 1,426.94	$ 30,529.06	$ -	95.53%
01-40-470-500140	Life Insurance	$ 432.00	$ 0.46	$ 4.70	$ 427.30	$ -	98.91%
01-40-470-500143	EAP Program	$ 85.00	$ 0.36	$ 1.58	$ 83.42	$ -	98.14%
01-40-470-500145	Workers' Compensation	$ 3,101.00	$ 11.00	$ 55.26	$ 3,045.74	$ -	98.22%
01-40-470-500155	Retirement/CalPERS	$ 11,576.00	$ 237.99	$ 1,092.20	$ 10,483.80	$ -	90.56%
	Operations Personnel	**$ 3,147,348.00**	**$ 206,773.77**	**$ 629,872.02**	**$ 2,517,475.98**	**$ -**	**79.99%**

Account Number	Description	Budget	Period Amt	End Bal	Variance	Encumbered	% Avail/ Uncollect
410	**Source of Supply Materials & Supplies**						
01-40-410-501101	Electricity - Wells	$ 1,816,800.00	$ -	$ 385,512.05	$ 1,431,287.95	$ -	78.78%
01-40-410-501201	Gas - Wells	$ 225.00	$ 14.30	$ 59.17	$ 165.83	$ -	73.70%
01-40-410-510011	Treatment & Chemicals	$ 110,000.00	$ 1,197.00	$ 37,003.04	$ 72,996.96	$ -	66.36%
01-40-410-510021	Lab Testing	$ 75,000.00	$ 4,040.01	$ 16,894.12	$ 58,105.88	$ -	77.47%
01-40-410-510031	Small Tools, Parts & Maint	$ 8,000.00	$ 1,133.90	$ 4,479.07	$ 3,520.93	$ -	44.01%
01-40-410-520021	Maint & Rpr-Telemetry Equip	$ 4,280.00	$ -	$ -	$ 4,280.00	$ -	100.00%
01-40-410-520061	Maint & Rpr-Pumping Equipment	$ 142,613.00	$ 6,797.97	$ 11,713.89	$ 130,899.11	$ 424.12	91.49%
01-40-410-550066	Subscriptions	$ 3,000.00	$ -	$ -	$ 3,000.00	$ -	100.00%
440	**Transmission & Distribution Materials & Supplies**						
01-40-440-510031	Small Tools, Parts & Maint	$ 13,250.00	$ 458.71	$ 1,864.56	$ 11,385.44	$ -	85.93%
01-40-440-520071	Maint & Rpr-Pipelines&Hydrants	$ 30,000.00	$ (16,481.39)	$ 11,071.42	$ 18,928.58	$ 1,268.28	58.87%
01-40-440-520081	Maint & Rpr-Pressure Regulatrs	$ 8,750.00	$ -	$ 5,577.49	$ 3,172.51	$ -	36.26%
01-40-440-540001	Backflow Program	$ 4,200.00	$ -	$ -	$ 4,200.00	$ -	100.00%
01-40-440-540024	Inventory Adjustments	$ 7,452.00	$ -	$ -	$ 7,452.00	$ -	100.00%
01-40-440-540036	Line Locates	$ 3,605.00	$ 467.15	$ 492.97	$ 3,112.03	$ -	86.33%
01-40-440-540042	Meters Maintenance & Services	$ 80,000.00	$ 5,826.18	$ 29,907.01	$ 50,092.99	$ 3,604.45	58.11%
01-40-440-540078	Reservoirs Maintenance	$ 54,500.00	$ -	$ -	$ 54,500.00	$ -	100.00%
470	**Maintenance & General Plant Materials & Supplies**						
01-40-470-501111	Electricity - 560 Magnolia	$ 35,000.00	$ -	$ 3,852.60	$ 31,147.40	$ -	88.99%
01-40-470-501121	Electricity - 12303 Oak Glen	$ 4,000.00	$ -	$ 956.25	$ 3,043.75	$ -	76.09%
01-40-470-501131	Electricity - 13695 Oak Glen	$ 2,000.00	$ -	$ 384.79	$ 1,615.21	$ -	80.76%
01-40-470-501141	Electricity - 13697 Oak Glen	$ 3,000.00	$ -	$ 494.02	$ 2,505.98	$ -	83.53%
01-40-470-501151	Elec - 9781 Avenida Miravilla	$ 2,000.00	$ -	$ 264.89	$ 1,735.11	$ -	86.76%
01-40-470-501161	Electricity - 815 E. 12th	$ 6,000.00	$ -	$ 1,258.91	$ 4,741.09	$ -	79.02%
01-40-470-501171	Electricity - 851 E. 6th	$ 4,200.00	$ 155.38	$ 782.22	$ 3,417.78	$ -	81.38%
01-40-470-501321	Propane - 12303 Oak Glen	$ 118.00	$ -	$ -	$ 118.00	$ -	100.00%
01-40-470-501331	Propane - 13695 Oak Glen	$ 2,000.00	$ -	$ 658.87	$ 1,341.13	$ -	67.06%
01-40-470-501341	Propane - 13697 Oak Glen	$ 2,000.00	$ -	$ 1,059.52	$ 940.48	$ -	47.02%
01-40-470-501351	Propane-9781 Avenida Miravilla	$ 1,600.00	$ -	$ 909.45	$ 690.55	$ -	43.16%
01-40-470-501411	Sanitation - 560 Magnolia	$ 2,987.00	$ 574.86	$ 997.56	$ 1,989.44	$ -	66.60%
01-40-470-501461	Sanitation - 815 E. 12th	$ 4,172.00	$ 888.84	$ 1,777.68	$ 2,394.32	$ -	57.39%
01-40-470-501471	Sanitation - 11083 Cherry Ave	$ 3,296.00	$ 559.30	$ 1,118.60	$ 2,177.40	$ -	66.06%
01-40-470-501611	Maint & Repair- 560 Magnolia	$ 26,856.00	$ 2,439.21	$ 6,493.82	$ 20,362.18	$ -	75.82%
01-40-470-501621	Maint & Repair- 12303 Oak Glen	$ 4,600.00	$ -	$ 1,505.80	$ 3,094.20	$ -	67.27%
01-40-470-501631	Maint & Repair- 13695 Oak Glen	$ 9,000.00	$ -	$ 178.05	$ 8,821.95	$ -	98.02%
01-40-470-501641	Maint & Repair- 13697 Oak Glen	$ 4,000.00	$ -	$ 134.62	$ 3,865.38	$ -	96.63%
01-40-470-501651	Maint & Rpr-9781 Ave Miravilla	$ 4,000.00	$ -	$ 52.80	$ 3,947.20	$ -	98.68%
01-40-470-501661	Maint & Repair- 815 E. 12th	$ 7,115.00	$ 471.20	$ 1,920.44	$ 5,194.56	$ 1,031.22	58.51%
01-40-470-501671	Maint & Repair- 851 E. 6th	$ 3,000.00	$ 229.86	$ 703.51	$ 2,296.49	$ -	76.55%
01-40-470-501691	Maint & Rpr- Buildgs (General)	$ 60,000.00	$ 466.75	$ 1,118.36	$ 58,881.64	$ -	98.14%
01-40-470-510001	Auto/Fuel	$ 84,000.00	$ 5,887.03	$ 20,644.35	$ 63,355.65	$ -	75.42%
01-40-470-520011	Maint & Rpr-Safety Equipment	$ 17,510.00	$ 3,166.14	$ 3,191.45	$ 14,318.55	$ -	81.77%
01-40-470-520031	Maint & Rpr-General Equipment	$ 47,380.00	$ 3,610.57	$ 11,716.46	$ 35,663.54	$ -	75.27%
01-40-470-520041	Maint & Rpr-Fleet	$ 125,500.00	$ 8,168.19	$ 28,901.89	$ 96,598.11	$ -	76.97%
01-40-470-520051	Maint & Rpr-Paving	$ 140,000.00	$ 25,717.00	$ 25,717.00	$ 114,283.00	$ -	81.63%
01-40-470-520091	Maint & Rpr-Communicatn Equip	$ 6,500.00	$ -	$ -	$ 6,500.00	$ -	100.00%
	Operations Materials & Supplies	**$ 2,973,509.00**	**$ 55,788.16**	**$ 621,368.70**	**$ 2,352,140.30**	**$ 6,328.07**	**78.89%**
410	**Source of Supply Services**						
01-40-410-500501	State Project Water Purchases	$ 3,870,300.00	$ 203,889.00	$ 666,729.00	$ 3,203,571.00	$ -	82.77%
01-40-410-540084	State Mandates & Tariffs	$ 90,000.00	$ 16,248.32	$ 44,113.21	$ 45,886.79	$ -	50.99%
440	**Transmission & Distribution Services**						
01-40-440-550051	Advertising/Legal Notices	$ 4,000.00	$ 628.00	$ 1,268.00	$ 2,732.00	$ -	68.30%
470	**Maintenance & General Plant Services**						
01-40-470-540030	Landscape Maintenance	$ 82,000.00	$ 5,149.11	$ 20,635.09	$ 61,364.91	$ -	74.84%
01-40-470-540072	Rechrg Facs, Cnyns&Ponds Maint	$ 200,000.00	$ 2,918.33	$ 24,155.39	$ 175,844.61	$ -	87.92%
	Operations Services	**$ 4,246,300.00**	**$ 228,832.76**	**$ 756,900.69**	**$ 3,489,399.31**	**$ -**	**82.18%**
Expense Total	**OPERATIONS**	**$ 10,367,157.00**	**$ 491,394.69**	**$ 2,008,141.41**	**$ 8,359,015.59**	**$ 6,328.07**	**80.57%**
50	**GENERAL**						
01-50-510-502001	Rents/Leases	$ 24,900.00	$ 2,085.75	$ 8,343.00	$ 16,557.00	$ -	66.49%
01-50-510-510031	Small Tools, Parts & Maint	$ 515.00	$ 47.16	$ 47.16	$ 467.84	$ -	90.84%
01-50-510-540066	Property Damages & Theft	$ 26,827.00	$ 4,926.09	$ 4,956.97	$ 21,870.03	$ -	81.52%
01-50-510-550040	General Supplies	$ 15,279.00	$ 547.07	$ 1,836.81	$ 13,442.19	$ -	87.98%
01-50-510-550060	Public Ed./Community Outreach	$ 99,330.00	$ 2,107.50	$ 15,418.75	$ 83,911.25	$ -	84.48%
01-50-510-550072	Misc Operating Expenses	$ 1,030.00	$ -	$ -	$ 1,030.00	$ -	100.00%
01-50-510-550074	Disaster Preparedness Ongoing Expenses	$ 15,000.00	$ 1,141.95	$ 3,540.72	$ 11,459.28	$ -	76.40%
	General Materials & Supplies	**$ 182,881.00**	**$ 10,855.52**	**$ 34,143.41**	**$ 148,737.59**	**$ -**	**81.33%**
01-50-510-550096	Beaumont Basin Watermaster	$ 50,000.00	$ 3,596.45	$ 14,385.75	$ 35,614.25	$ -	71.23%
01-50-510-550097	SAWPA Basin Monitoring Program	$ 19,000.00	$ 1,275.66	$ 5,102.64	$ 13,897.36	$ -	73.14%
	General Services	**$ 69,000.00**	**$ 4,872.11**	**$ 19,488.39**	**$ 49,511.61**	**$ -**	**71.76%**
Expense Total	**GENERAL**	**$ 251,881.00**	**$ 15,727.63**	**$ 53,631.80**	**$ 198,249.20**	**$ -**	**78.71%**
Expense Total	**ALL EXPENSES**	**$ 18,773,017.40**	**$ 1,106,428.71**	**$ 4,050,892.11**	**$ 14,722,125.29**	**$ 6,773.76**	**78.39%**

Beaumont-Cherry Valley Water District
Cash Balance & Investment Report
As of April 30, 2021

Cash Balance Per Account

Account Name	Account Ending #	Balance	Prior Month Balance
Wells Fargo			
General	4152	$3,984,410.91	$4,111,140.41
Total Cash		**$ 3,984,410.91**	**$ 4,111,140.41**

Investment Summary

Account Name	Market Value	Prior Month Balance	Actual % of Total	Policy % Limit	Maturity	Par Amount	Rate	2021 Interest to Date
Ca. State Treasurer's Office: Local Agency Investment Fund	$31,765,165.81	$31,734,307.84	46%	No Limit	Liquid	N/A	0.32	$74,640.53 (1)
CalTRUST Short Term Fund	$36,874,887.92	$36,866,654.59	54%	No Limit	Liquid	N/A	0.25	$40,051.45
Total Investments	**$68,640,053.73**	**$68,600,962.43**						**$114,691.98**

Total Cash & Investments	**$ 72,624,464.64**	**$ 72,712,102.84**

The investments above are in accordance with the District's investment policy. 5/12/2021

BCVWD will be able to meet its cash flow obligations for the next 6 months. 5/12/2021

(1) 4th Quarter 2020 Interest received in 2021

Accounts Payable

Checks by Date - Detail by Check Date

User: wclayton
Printed: 5/26/2021 5:13 PM

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	10087	EDD	04/29/2021		
	03312021EDD	1st Qtr. SDI Adjustment-State Taxes			0.15
Total for this ACH Check for Vendor 10087:				0.00	0.15
Total for 4/29/2021:				0.00	0.15
ACH	10138	ARCO Business Solutions	05/03/2021		
	HW201 05.03.21	ARCO Fuel Charges 04/20-04/26/2021			1,564.34
Total for this ACH Check for Vendor 10138:				0.00	1,564.34
Total for 5/3/2021:				0.00	1,564.34
11462	UB*04325	Andrew Bauer	05/05/2021		
		Refund Check			28.55
Total for Check Number 11462:				0.00	28.55
11463	UB*04322	Merle Bindner	05/05/2021		
		Refund Check			40.43
Total for Check Number 11463:				0.00	40.43
11464	UB*04323	David & Ana Camarena	05/05/2021		
		Refund Check			174.73
Total for Check Number 11464:				0.00	174.73
11465	UB*04328	Victoria Cupsa	05/05/2021		
		Refund Check			8.28
		Refund Check			18.65
		Refund Check			78.22
		Refund Check			18.38
Total for Check Number 11465:				0.00	123.53
11466	UB*04324	Francisco Guerra	05/05/2021		
		Refund Check			20.77
		Refund Check			9.36
		Refund Check			88.37
		Refund Check			21.06
Total for Check Number 11466:				0.00	139.56
11467	UB*04331	Jenal Engineering Corporation	05/05/2021		
		Refund Check			66.62
		Refund Check			266.47
		Refund Check			848.17
		Refund Check			149.89
Total for Check Number 11467:				0.00	1,331.15

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
11468	UB*04319	Gordon Meyer	05/05/2021		
		Refund Check			11,675.93
Total for Check Number 11468:				0.00	11,675.93
11469	UB*04329	Derilyn Miller	05/05/2021		
		Refund Check			250.00
Total for Check Number 11469:				0.00	250.00
11470	UB*04318	Rebecca Paredez	05/05/2021		
		Refund Check			178.57
Total for Check Number 11470:				0.00	178.57
11471	UB*04320	Jose Perez	05/05/2021		
		Refund Check			1.75
		Refund Check			141.16
		Refund Check			7.00
		Refund Check			14.04
		Refund Check			19.17
		Refund Check			289.14
		Refund Check			43.96
		Refund Check			98.92
Total for Check Number 11471:				0.00	615.14
11472	UB*04321	Martin Perez	05/05/2021		
		Refund Check			65.10
		Refund Check			1.75
Total for Check Number 11472:				0.00	66.85
11473	UB*04330	Akapello Silvera	05/05/2021		
		Refund Check			140.20
Total for Check Number 11473:				0.00	140.20
11474	UB*04332	Timothy and Teresa Winstead	05/05/2021		
		Refund Check			180.09
Total for Check Number 11474:				0.00	180.09
11475	UB*04327	Danny and Elizabeth Acosta	05/05/2021		
		Refund Check			8.09
		Refund Check			5.87
		Refund Check			18.60
		Refund Check			12.06
		Refund Check			12.48
		Refund Check			8.26
Total for Check Number 11475:				0.00	65.36
11476	UB*04326	Maria Theresa and Danny Senner	05/05/2021		
		Refund Check			0.91
Total for Check Number 11476:				0.00	0.91

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
11477	10001	Action True Value Hardware	05/05/2021		
	48719	Red Spray Paint - New Fire Services			17.10
	48719	Spare Keys - Districtwide			12.86
	48719	Vice Grips/Bi Metal Blade - Unit 17			36.08
	48719	Electronic Cleaner - 12th/Palm			8.61
Total for Check Number 11477:				0.00	74.65
11478	10003	All Purpose Rental	05/05/2021		
	44730	(2) 3" Trenching Shovels - Unit 5/Unit 13			50.53
	44808	(3) 3" Trenching Shovels - Unit 35/12th & Palm			75.80
Total for Check Number 11478:				0.00	126.33
11479	10144	Alsco Inc	05/05/2021		
	LYUM1535844	Cleaning Mats & Shop Towels 12th/Palm Apr 2021			35.60
	LYUM1539123	Cleaning Mats & Shop Towels 12th/Palm Apr 2021			35.60
Total for Check Number 11479:				0.00	71.20
11480	10420	Amazon Capital Services, Inc.	05/05/2021		
	14XT-F7FJ-NR37	Pipe Cutter/Pipe Reamer/Can Opener - Operations Staff			203.12
	14XT-F7FJ-NR37	Pipe Cutter/Pipe Reamer/Can Opener - Production Staff			203.12
	1H9G-WCKX-K1T6	Small Generator Shipping & Handling			7.27
	1KVY-Y3XN-MLJP	Lysol Spray/Lysol Wipes - COVID-19			121.01
Total for Check Number 11480:				0.00	534.52
11481	10901	Ameritas Life Insurance Corp.	05/05/2021		
	04012021	Ameritas Dental April 2021			1,817.36
Total for Check Number 11481:				0.00	1,817.36
11482	10893	Anthem Blue Cross EAP	05/05/2021		
	80348	EAP May 2021			66.65
Total for Check Number 11482:				0.00	66.65
11483	10695	B-81 Paving Inc	05/05/2021		
	21054	(4) Districtwide Repairs - Main Line			4,661.25
	21054	(6) Districtwide Repairs - Meter Service Line			10,873.50
Total for Check Number 11483:				0.00	15,534.75
11484	10773	Bartel Associates, LLC	05/05/2021		
	21-189	Basic Valuation and GASB 75 Accounting Report 03/2021-04/2021			6,900.00
Total for Check Number 11484:				0.00	6,900.00
11485	10519	CalFire	05/05/2021		
	1360746	Weed Abatement - NCRF Phase I and II			1,587.46
Total for Check Number 11485:				0.00	1,587.46
11486	10774	Jesus Camacho	05/05/2021		
	577153	(22) Truck Washes April 2021			235.00
Total for Check Number 11486:				0.00	235.00

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
11487	10822	Canon Financial Services, Inc	05/05/2021		
	26560255	Contract Charge - 04/01-04/60/2021 - 560 Magnolia			329.33
	26560255	Meter Usage - 03/01-03/31/2021			278.63
	26560256	Contract Charge - 04/01-04/30/2021 - 12th/Palm			235.78
	26560256	Meter Usage - 03/01-03/31/2021			154.68
Total for Check Number 11487:				0.00	998.42
11488	10016	City of Beaumont	05/05/2021		
	EP2021-0896	EP0896 - 1758 Beech Place			645.56
Total for Check Number 11488:				0.00	645.56
11489	10600	Gaucho Pest Control Inc.	05/05/2021		
	05032021	NCR I Rodent Control May 2021			1,000.00
Total for Check Number 11489:				0.00	1,000.00
11490	10719	HR Dynamics & Performance Management, Inc	05/05/2021		
	04302021	HR Consulting Services January 2021 - April 2021			750.00
Total for Check Number 11490:				0.00	750.00
11491	10465	Image Source	05/05/2021		
	25AR1272647	Xerox 3610 Contract Charges 05/01-05/31/2021			73.20
	25AR1272647	Xerox 3610 Usage Charges 04/01-04/30/2021			17.54
Total for Check Number 11491:				0.00	90.74
11492	10398	Infosend, Inc	05/05/2021		
	188655	Mar 2021 Supply Charges for Utility Billing			652.00
	188655	Mar 2021 Processing Charges for Utility Billing			795.76
	188656	Mar 2021 Postage Charges for Utility Billing			3,877.67
Total for Check Number 11492:				0.00	5,325.43
11493	10809	Inner-City Auto Repair & Tires	05/05/2021		
	1849	Labor - Sig Switch/Booster Vent/Belts/Hoses - Unit 13/ODO 161,227			550.00
	1849	Sig Switch/Booster Vent/Belts/Hoses - Unit 13/ODO 161,227			495.71
	1856	Labor - (2) Tires/Brake Pads/Blinker Stch/Grs Cp - Unit 4/OD 55,353			340.00
	1856	(2) Tires/Brake Pads/Blinker Stch/Grs Cp - Unit 4/OD 55,353			810.68
	1862	Oil/Filter/Struts - Unit 1/OD 56,115			917.26
	1862	Labor - Oil/Filter/Struts - Unit 1/OD 56,115			462.00
	1863	Brake Rotors/Pads - Unit 1/OD 56,116			568.23
	1863	Labor - Brake Rotors/Pads - Unit 1/OD 56,116			220.00
	1864	Oil/Sensors/Cluster Assembly - Unit 10/OD 129,467			1,055.20
	1864	Labor - Oil/Sensors/Cluster Assembly - Unit 10/OD 129,467			440.00
	1867	Alternator Assembly - Unit 10/OD 129,470			234.27
	1867	Labor - Alternator Assembly - Unit 10/OD 129,470			192.50
Total for Check Number 11493:				0.00	6,285.85
11494	10537	Joshua McCue	05/05/2021		
	04262021	Safety Boots - J McCue			193.90
Total for Check Number 11494:				0.00	193.90
11495	10527	OfficeTeam, A Robert Half Company	05/05/2021		
	57520450	Customer Service Temp 04/12 - 04/16/2021			747.36
Total for Check Number 11495:				0.00	747.36

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
11496	10171	Riverside Assessor - County Recorder	05/05/2021		
	20-448440	Dec 2020 Lien Fees			102.00
	21-99344-C1	Mar 2021 Lien Fees			20.00
Total for Check Number 11496:				0.00	122.00
11497	10689	Safety Compliance Company	05/05/2021		
	196842	Safety Meeting - Snake Safety 04/20/2021			250.00
Total for Check Number 11497:				0.00	250.00
11498	10481	San Bernardino County Registrar	05/05/2021		
	3048	November 3, 2020 Election Expenses			234.00
Total for Check Number 11498:				0.00	234.00
11499	10031	Staples Business Advantage	05/05/2021		
	3476289692	Office Supplies			529.73
Total for Check Number 11499:				0.00	529.73
11500	10903	The Lincoln National Life Insurance Company	05/05/2021		
	4239922650	Life & ADD EE/ER Insurance May 2021			511.37
Total for Check Number 11500:				0.00	511.37
11501	10768	Totalplan, Inc	05/05/2021		
	082809	(2) Office Chair Replacement - 12th & Palm			1,045.18
Total for Check Number 11501:				0.00	1,045.18
11502	10778	Urban Habitat	05/05/2021		
	6426	Landscape Contracted Service - April 2021			5,140.50
Total for Check Number 11502:				0.00	5,140.50
11503	10934	USAFact, Inc	05/05/2021		
	1043172	Pre Employment Background Check			26.60
Total for Check Number 11503:				0.00	26.60
11504	10385	Waterline Technologies, Inc. - PSOC	05/05/2021		
	5528631	Chlorine - Well 29			1,197.00
Total for Check Number 11504:				0.00	1,197.00
11505	10158	Wienhoff Drug Testing	05/05/2021		
	97386	Random Drug Testing			90.00
Total for Check Number 11505:				0.00	90.00
Total for 5/5/2021:				0.00	67,142.56
ACH	10138	ARCO Business Solutions	05/10/2021		
	HW20105.10.2021	ARCO Fuel Charges 04/24-05/03/2021			1,560.13
Total for this ACH Check for Vendor 10138:				0.00	1,560.13
Total for 5/10/2021:				0.00	1,560.13

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
ACH	10288	CalPERS Health Fiscal Services Division	05/12/2021		
	05012021	Active Employees Health Ins May 2021			52,881.15
	05012021	Admin Fee for Retired Emp Health Ins May 2021			13.12
	05012021	Retired Employees Health Ins May 2021			2,370.00
	05012021	Admin Fee for Health Ins May 2021			126.91
Total for this ACH Check for Vendor 10288:				0.00	55,391.18
ACH	10042	Southern California Gas Company	05/12/2021		
	07132135000Apr	Monthly Gas Charges 03/29 - 04/27/2021			14.30
Total for this ACH Check for Vendor 10042:				0.00	14.30
ACH	10052	Home Depot Credit Services	05/12/2021		
	4302021	Pressure Washer/Power Inverter/Chainsaw - District Maint			697.14
	4302021	Cooler Pads - District Swamp Coolers			74.74
	4302021	Nut/Bracket/Strut - Well 26 Eye Wash Station			55.01
	4302021	(12) Ball Valves - Inventory			269.72
	4302021	(7) Ball Valves - Inventory			199.56
	4302021	Supplies - 12th/Palm			166.47
	4302021	Light Tower - Districtwide			805.97
	4302021	16 Qt. Cooler - Water Samples			109.01
Total for this ACH Check for Vendor 10052:				0.00	2,377.62
ACH	10132	South Coast AQMD	05/12/2021		
	3809879	Fac ID 120877 AB2588 AQMD Fee July 2020 - June 2021			137.63
	3810301	Fac ID 129302 AB2588 AQMD Fee July 2020 - June 2021			137.63
	3810302	Fac ID 129305 AB2588 AQMD Fee July 2020 - June 2021			137.63
	3810965	Fac ID 140810 AB2588 AQMD Fee July 2020 - June 2021			137.63
	3811516	Fac ID 14118 AB2588 AQMD Fee July 2020 - June 2021			137.63
Total for this ACH Check for Vendor 10132:				0.00	688.15
ACH	10138	ARCO Business Solutions	05/12/2021		
	HW20105.17.2021	ARCO Fuel Charges 05/04-05/10/2021			1,335.26
Total for this ACH Check for Vendor 10138:				0.00	1,335.26
ACH	10147	Online Information Services, Inc	05/12/2021		
	1055778	180 Credit Reports for April 2021			516.00
Total for this ACH Check for Vendor 10147:				0.00	516.00
ACH	10632	Quinn Company	05/12/2021		
	WOA00028605	Parts - PM District CAT Backhoe			798.82
	WOA00028605	Labor - PM District CAT Backhoe			1,562.75
	WOG00010128	Labor - Cooling System Flush/Service - Well 21 Generator			2,400.00
	WOG00010128	Parts - Cooling System Flush/Service - Well 21 Generator			2,042.14
Total for this ACH Check for Vendor 10632:				0.00	6,803.71
ACH	10743	Townsend Public Affairs, Inc	05/12/2021		
	17114	Consulting Services - May 2021			4,000.00
Total for this ACH Check for Vendor 10743:				0.00	4,000.00

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
ACH	10085	CalPERS Retirement System	05/12/2021		
	1001851951	PR Batch 00001.05.2021 CalPERS 8% ER Paid			785.40
	1001851951	PR Batch 00001.05.2021 CalPERS 7% EE Deduction			1,245.35
	1001851951	PR Batch 00001.05.2021 CalPERS 8% EE Paid			2,362.25
	1001851951	PR Batch 00001.05.2021 CalPERS 1% ER Paid			177.90
	1001851951	PR Batch 00001.05.2021 CalPERS ER Paid Classic			9,167.49
	1001851951	PR Batch 00001.05.2021 CalPERS 7.5% EE PEPRA			3,149.08
	1001851951	PR Batch 00001.05.2021 CalPERS ER PEPRA			3,459.36
Total for this ACH Check for Vendor 10085:				0.00	20,346.83
ACH	10087	EDD	05/12/2021		
	0-241-743-520	PR Batch 00001.05.2021 State Income Tax			4,172.44
	0-241-743-520	PR Batch 00001.05.2021 CA SDI			1,249.35
Total for this ACH Check for Vendor 10087:				0.00	5,421.79
ACH	10094	U.S. Treasury	05/12/2021		
	270153344581586	PR Batch 00001.05.2021 FICA Employee Portion			6,590.32
	270153344581586	PR Batch 00001.05.2021 Medicare Employee Portion			1,541.29
	270153344581586	PR Batch 00001.05.2021 Federal Income Tax			10,292.36
	270153344581586	PR Batch 00001.05.2021 Medicare Employer Portion			1,541.29
	270153344581586	PR Batch 00001.05.2021 FICA Employer Portion			6,590.32
Total for this ACH Check for Vendor 10094:				0.00	26,555.58
ACH	10141	Ca State Disbursement Unit	05/12/2021		
	35765149	PR Batch 00001.05.2021 Garnishment			288.46
	35765149	PR Batch 00001.05.2021 Garnishment			360.05
Total for this ACH Check for Vendor 10141:				0.00	648.51
ACH	10203	Voya Financial	05/12/2021		
	VB1450-PP10 21	PR Batch 00001.05.2021 Deferred Comp			350.00
Total for this ACH Check for Vendor 10203:				0.00	350.00
ACH	10264	CalPERS Supplemental Income Plans	05/12/2021		
	1001851956	PR Batch 00001.05.2021 457 Loan Repayment			486.96
	1001851956	PR Batch 00001.05.2021 ROTH % Deduction			55.34
	1001851956	PR Batch 00001.05.2021 100% Contribution			480.22
	1001851956	PR Batch 00001.05.2021 CalPERS 457			1,011.00
	1001851956	PR Batch 00001.05.2021 CalPERS 457 %			65.03
Total for this ACH Check for Vendor 10264:				0.00	2,098.55
ACH	10895	Basic Pacific	05/12/2021		
	05132021	PR Batch 00001.05.2021 Flexible Spending Account (PT)			197.91
Total for this ACH Check for Vendor 10895:				0.00	197.91
Total for 5/12/2021:				0.00	126,745.39

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
ACH	10781	Umpqua Bank	05/14/2021		
	10019	C R & R Incorporated			
		Monthly Charges 3 YD Commercial Bin Apr 2021			279.65
	10116	Verizon Wireless Services LLC			
		Cell Phone iPad Charges for April 2021			545.97
	10224	Legal Shield			
		Monthly Prepaid Legal for Employees April 2021			142.50
	10233	Pro-Pipe & Supply			
		PVC Elbow/Union/Adapters - Well 12 Chlorinator			53.68
	10284	Underground Service Alert of Southern California			
		Monthly Maintenance Fee			10.00
		170 New Ticket Charges April 2021			280.50
	10319	ACWA Joint Powers Insurance Authority			
		Williams - ACWA Conference			375.00
		Covington - ACWA Conference			375.00
		Ramirez - ACWA Conference			375.00
		Slawson - ACWA Conference			375.00
	10338	California Special Districts Association			
		Grant Training - S Molina			175.00
	10397	Wal-Mart			
		Table for AMR Meters - 12th & Palm			50.07
	10420	Amazon Capital Services, Inc.			
		Scanner Power Cord Replacement			18.29
		Employee Retention - Admin Professionals Day			70.00
		iPad Case - Field Staff			79.32
	10444	MISAC			
		Annual Membership - IT			65.00
	10457	Jon's Flags & Poles Inc			
		US Flags/CA Flag/Flag Hooks - 560 Magnolia Ave			732.98
	10526	Verizon			
		Monthly Phone Service 04/01-04/30/2021			1,034.92
	10546	Frontier Communications			
		04/10-05/09/2021 April FIOS/FAX 12th/Palm			333.76
	10573	O'Reilly Auto Parts			
		AC Recharge - Loader/Dozer			123.42
	10604	JotForm, Inc			
		Annual Renewal for Cloud Storage			390.00
	10622	USC Foundation Office			
		Webinar - Backflow Test Procedures			240.00
	10623	WP Engine			
		Web Host for BCVWD Website April 2021			115.00
	10692	MMSoft Design			
		Network Monitoring Software April 2021			202.45
	10761	BLS*Spamtitan			
		Email Filtering Districtwide April 2021			47.00
		Monthly Web Filter License April 2021			73.32
	10764	Harbor Truck Bodies, Inc			
		Tailgate - Unit 10			500.00
		Damaged Tailgate - Unit 10 - Insurance Reimbursed			872.91
	10784	Autodesk, Inc			
		Auto CAD Software 851 E 6th St - Apr 2021			710.00

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
	10790	Microsoft			
		Monthly Microsoft Office License - April 2021			14.80
		Monthly Microsoft Office License - April 2021			600.00
		Monthly Microsoft Exchange - April 2021			264.00
	10828	GovernmentJobs.com			
		Account Clerk Job Posting			199.00
	10840	Ready Fresh (Arrowhead)			
		Water - April 2021 - 851 E 6th			69.86
	10892	Zoom Video Communications, Inc.			
		(10) Video Conferences April 2021			205.90
	10896	BlueBeam, Inc.			
		(4) Annual License Renewals - Engineering Dept			646.00
	10926	SSD Alarm			
		Alarm Equip/Rent/Service/Monitor - 11083 Cherry			59.50
		Alarm Equip/Rent/Service/Monitor - 815 12th			125.00
		Alarm Equip/Rent/Service/Monitor - 851 E. 6th			77.69
		Alarm Equip/Rent/Service/Monitor - 560 Magnolia			362.13
	10969	California Barricade Rentals Inc			
		Safety Signs and Cones			2,360.17
	10972	Parts Town LLC			
		Control Knob - Freight Only			17.54
Total for this ACH Check for Vendor 10781:				0.00	13,647.33
ACH	10087	EDD	05/14/2021		
	1-981-871-776	PR Batch 00002.05.2021 State Income Tax			465.85
	1-981-871-776	PR Batch 00002.05.2021 CA SDI			36.64
Total for this ACH Check for Vendor 10087:				0.00	502.49
ACH	10094	U.S. Treasury	05/14/2021		
	270153494211283	PR Batch 00002.05.2021 Medicare Employee Portion			88.80
	270153494211283	PR Batch 00002.05.2021 FICA Employer Portion			379.70
	270153494211283	PR Batch 00002.05.2021 Medicare Employer Portion			88.80
	270153494211283	PR Batch 00002.05.2021 FICA Employee Portion			379.70
	270153494211283	PR Batch 00002.05.2021 Federal Income Tax			1,111.48
Total for this ACH Check for Vendor 10094:				0.00	2,048.48
Total for 5/14/2021:				0.00	16,198.30
11506	UB*04335	Christopher Chain	05/19/2021		
		Refund Check			13.77
		Refund Check			227.01
		Refund Check			1.91
		Refund Check			4.25
		Refund Check			9.56
		Refund Check			2.66
		Refund Check			5.55
Total for Check Number 11506:				0.00	264.71
11507	UB*04346	Consolidated Contracting Services Inc.	05/19/2021		
		Refund Check			963.06
		Refund Check			284.04
		Refund Check			550.31
		Refund Check			244.59
Total for Check Number 11507:				0.00	2,042.00

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
11508	UB*04333	Rebecca Hernandez	05/19/2021		
		Refund Check			6.92
		Refund Check			10.48
		Refund Check			14.79
		Refund Check			3.50
		Refund Check			14.26
		Refund Check			9.55
		Refund Check			23.59
Total for Check Number 11508:				0.00	83.09
11509	UB*04343	Mary Ann Kowalyk	05/19/2021		
		Refund Check			139.05
Total for Check Number 11509:				0.00	139.05
11510	UB*04342	Robert Manuel	05/19/2021		
		Refund Check			6.15
		Refund Check			12.80
		Refund Check			4.39
		Refund Check			976.66
Total for Check Number 11510:				0.00	1,000.00
11511	UB*04341	Sylvia Masters	05/19/2021		
		Refund Check			64.94
		Refund Check			1.75
Total for Check Number 11511:				0.00	66.69
11512	UB*04337	Lawrence Nolan	05/19/2021		
		Refund Check			1.75
		Refund Check			95.20
Total for Check Number 11512:				0.00	96.95
11513	UB*04338	Socorro Ortiz	05/19/2021		
		Refund Check			22.61
		Refund Check			0.22
		Refund Check			0.49
		Refund Check			0.46
Total for Check Number 11513:				0.00	23.78
11514	UB*04334	James Preston	05/19/2021		
		Refund Check			1.54
		Refund Check			2.92
		Refund Check			1.75
		Refund Check			2.42
		Refund Check			3.45
		Refund Check			0.92
Total for Check Number 11514:				0.00	13.00
11515	UB*04336	Jose Rivera	05/19/2021		
		Refund Check			57.03
Total for Check Number 11515:				0.00	57.03

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
11516	UB*04339	Janice Sapaden	05/19/2021		
		Refund Check			5.25
		Refund Check			7.39
Total for Check Number 11516:				0.00	12.64
11517	UB*04344	Jeremiah Shields	05/19/2021		
		Refund Check			3.61
		Refund Check			2.34
		Refund Check			5.28
		Refund Check			16.44
		Refund Check			1.94
Total for Check Number 11517:				0.00	29.61
11518	UB*04340	Linda J Smith	05/19/2021		
		Refund Check			67.02
		Refund Check			68.01
		Refund Check			29.79
		Refund Check			57.82
		Refund Check			4.44
Total for Check Number 11518:				0.00	227.08
11519	UB*04345	Paula Wein	05/19/2021		
		Refund Check			31.27
		Refund Check			132.56
		Refund Check			12.23
		Refund Check			57.22
		Refund Check			1.75
		Refund Check			3.50
		Refund Check			70.35
Total for Check Number 11519:				0.00	308.88
11520	10792	A-1 Financial Services	05/19/2021		
	06012021	June 2021 Rent - 851 E. 6th St Eng. Office			2,131.64
Total for Check Number 11520:				0.00	2,131.64
11521	10878	Alpine Technical Services, LLC	05/19/2021		
	27978	Freight Charge - EarthTec			463.07
Total for Check Number 11521:				0.00	463.07
11522	10901	Ameritas Life Insurance Corp.	05/19/2021		
	05012021	Ameritas Dental May 2021			2,157.52
	05012021	Ameritas Visions June 2021			451.44
Total for Check Number 11522:				0.00	2,608.96
11523	10272	Babcock Laboratories Inc	05/19/2021		
	04302021	(1) TCP - Well 3			105.00
	04302021	(87) Coliform Water Samples			3,678.00
	04302021	(4) Nitrate Samples			64.00
	04302021	(1) Speciation			84.00
Total for Check Number 11523:				0.00	3,931.00

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
11524	10855	Badger Meter, Inc	05/19/2021		
	1433975	1" Encoder W/ITRON ILC			51,289.00
	1433976	MLP 5/8" Meter HRE 8 Encoder W/ITRON ILC			135,920.16
Total for Check Number 11524:				0.00	187,209.16
11525	10773	Bartel Associates, LLC	05/19/2021		
	21-241	Exhibit Prep - Basic Valuation & GASB 75 Accounting Report 2021			1,920.00
Total for Check Number 11525:				0.00	1,920.00
11526	10271	Beaumont Ace Home Center	05/19/2021		
	4302021	Tension Bar/Fence Puller - Districtwide			47.16
	4302021	Chlorine - Well 22			44.98
	4302021	Batteries - Districtwide			109.07
	4302021	Lubricant/Filter/Bolts/Fuel Line - Portable Generator			22.48
	4302021	Starter Cord/Shovel - Unit 17			40.38
	4302021	Sprinkler Nozzle - Repair			11.84
	4302021	Index Cards - Cherry Yard			9.67
	4302021	Couplings/Nipples - Repairs to Sampling Site			13.33
	4302021	Wire/Tube/Gaskets/Pop Up Head - Tractor Repair			57.92
	4302021	Gal Muriatic Acid - Well 23/24 Chlorinator			68.87
	4302021	Swamp Cooler Belts - Well Sites			69.98
	4302021	Trash Can/Notebook/Utility Pump - Unit 41			72.16
	4302021	Tempered Security Bit - Registers			7.71
	4302021	Nuts/Bolts/Bushings/Elbows/Tees - Well 20			64.03
	4302021	PVC Couplings/Nipples/Bushings - Well 12			160.08
	4302021	Pipe Clamp/Elbows/Bolts/Nuts/Washers - Well 26 Eye Wash Station			65.61
	4302021	Gate Valves - Meter Repairs			258.17
	4302021	Rubber Hose/Hose Hangar - Well 12			69.79
	4302021	Nipples/Sleeves/Hose Clamp/Nuts - Sample Site Repairs			24.80
	4302021	PVC Coupling/Elbow - Repair			5.86
	4302021	Paper Tags - District Key Rings			7.85
	4302021	Hex Bushing - Well 3 Eye Wash Station			3.55
	4302021	Gaskets - Booster 21 A/B			9.14
	4302021	PVC Coupling/Adapter/Ball Valve - Well 29			11.93
	4302021	Post Its/Tape - 12th/Palm			14.94
	4302021	PVC Pipe/Connectors/Elbows/Adapters - Well 12 Chlorinator			707.99
	4302021	Water Pump - Well 24			70.66
	4302021	PVC Elbow/Galv Strap - Well 21 Eye Wash Station			8.13
	4302021	PVC Cement/Primer - Unit 32			15.60
	4302021	Silicone Caulk - Maintenance			7.54
	4302021	PVC Check Valves - Well 23/25/29 Chlorinators			43.04
	4302021	Brackets/Elec Tape/Clamp - Well 12 Chlorinator			74.64
	4302021	Lock/Plug - Unit 12 Hitch			27.77
Total for Check Number 11526:				0.00	2,226.67
11527	10774	Jesus Camacho	05/19/2021		
	577157	(22) Truck Washes May 2021			230.00
Total for Check Number 11527:				0.00	230.00
11528	10249	CDW Government LLC	05/19/2021		
	B961104	VMware Support/Coverage - Annual Renewal			5,421.54
Total for Check Number 11528:				0.00	5,421.54

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
11529	10614	Cherry Valley Automotive	05/19/2021		
	33235	Labor - Oil Filter/Oil/Air Filter - Unit 37/OD 34,887			20.00
	33235	Oil Filter/Oil/Air Filter - Unit 37/OD 34,887			46.01
	33239	Labor - Oil Filter/Oil - Unit 38/OD 19,567			20.00
	33239	Oil Filter/Oil - Unit 38/OD 19,567			35.07
Total for Check Number 11529:				0.00	121.08
11530	10902	Colonial Life	05/19/2021		
	5374368-0413212	Col Life Premiums May 2021			3,901.56
Total for Check Number 11530:				0.00	3,901.56
11531	10772	CV Strategies	05/19/2021		
	6164	Strategic Communication Services April 2021			2,107.50
Total for Check Number 11531:				0.00	2,107.50
11532	10942	Diamond Environmental Services LP	05/19/2021		
	0003236992	(1) Rental and Service Portable Toilet 05/10-06/06/2021			92.32
	0003236993	(2) Rental and Service Portable Toilet 05/10-06/06/2021			238.55
Total for Check Number 11532:				0.00	330.87
11533	10303	Grainger Inc	05/19/2021		
	9862266294	Polypropylene Adapters - Well's 25/ 29 Sodium Hypoch			9.55
	9862266302	Dust Caps - Type DC Polypropylene - Wells 25/29 Sod			22.13
	9891670037	1/4-20 inch, 12" L Float Rod - Well 12 Chlorinator			7.55
	9891670045	Float Ball - Well 12 Chlorinator			14.93
	9891670045	PVC Float Valve - Well 12 Chlorinator			31.07
Total for Check Number 11533:				0.00	85.23
11534	10398	Infosend, Inc	05/19/2021		
	190498	April 2021 Supply Charges for Utility Billing			692.39
	190498	April 2021 Processing Charges for Utility Billing			928.23
	190499	April 2021 Postage Charges for Utility Billing			4,440.90
Total for Check Number 11534:				0.00	6,061.52
11535	10273	Inland Water Works Supply Co.	05/19/2021		
	S1043584.003	Curb Stop Wrench			52.80
	S1043584.003	(50) Gate Valve Brass			929.23
	S1045048.001	Ball Valve Brass 1 FIP X FIP			8,561.85
	S1045048.001	Brass Lockwing (Lock On)			4,785.20
	S1045048.001	1 MIL. UP509 Brass Swing Check Valve			9,767.54
	S1045048.001	Nipple Brass 1 X Close			150.25
	S1045048.002	Nipple Brass 1 X Close			438.97
	S1045049.001	1 x 5 U Branch			3,212.56
	S1045049.001	Brass Lockwing (Lock Off)			4,319.42
	S1045049.001	Hydrant 6 Hole J-3765 4 X 2-1/2 X2-1/2			4,022.64
	S1045049.002	Hydrant 6 Hole J-3765 4 X 2-1/2 X2-1/2			4,022.63
	S1045463.001	Nipple Galv 1 X 6"			12.87
	S1045463.001	Coupling Galv 2			73.54
	S1045463.001	Galv 2" Union			88.65
	S1045463.001	Plug Galv .75			24.54
	S1045463.001	Nipple Galv 2 X 06			25.02
	S1045463.001	Galv 2" Cap			23.80
	S1045463.001	Galv 2" 90 ST ELL			60.29
	S1045463.001	Nipple Galv 2 X 5 1/2"			9.33

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
	S1045463.001	Nipple Galv 2 X 02-1/2			12.21
	S1045463.001	Nipple Galv 1 X 5			13.59
	S1045463.001	2" Flex Coupling			545.02
	S1045463.001	Nipple Galv 2 X Close			10.49
	S1045463.001	Nipple Galv 1 X 5 1/2"			16.00
	S1045463.001	Nipple Galv 1 1/4" X 2"			7.69
	S1045463.001	3/4" X 3" FC Clamp			264.20
	S1045463.001	Nipple Galv 1 X Close			10.51
	S1045463.001	Galv 1" 45 ELL			57.58
	S1045463.001	Galv 3/4" 45 ELL			15.29
	S1045463.001	Plug Galv 2			23.69
	S1045465.001	Full Circle 860 - 900 X 07			565.94
	S1045465.001	Corp Stop 1 MIP			169.74
	S1045465.001	Gate Valve Brass 1.25"			247.05
	S1045465.001	Nuts and Bolts 4			52.79
	S1045465.001	Flex Gasket 1070 - 1100			19.83
	S1045465.001	Ball Valve Brass 1 FIP X FIP			2,568.55
	S1045465.001	Curb Stop Lockwing FIP X FIP 1			2,159.72
	S1045465.001	Ball Valve Brass .75 FIP X FIP			833.88
	S1045466.001	Nipple Brass 1 X 03			77.36
	S1045466.001	Adapter Flare Thread X CTS COMP 1			1,669.46
	S1045466.001	Curb Stop Lockwing FIP X FIP (Lock On)			9,570.39
	S1045466.001	Meter Coupling 1 X 2-1/2			1,863.75
	S1045466.001	Nipple Brass 1 X 2.5			107.71
	S1045466.001	Nipple Brass 2 X 06			239.44
	S1045466.001	Nipple Brass 1 X Close			340.54
	S1045466.001	1'x1/16' Thin Meter Gaskets			105.26
	S1045466.001	Nipple Brass 1 X 04			109.50
	S1045466.001	Meter Coupling .75 X 2-1/2			181.84
	S1045466.001	Nipple Brass 2 X 03			125.73
	S1045467.001	Curb Stop Lockwing FIP X FIP 1 Style (Lock-Off)			11,576.03
	S1045539.001	100W+3Port ERT's Encoder w/Integral Connector			95,035.50
Total for Check Number 11535:				0.00	169,177.41
11536	10809	Inner-City Auto Repair & Tires	05/19/2021		
	1876	Steering Wheel Column - Unit 11/OD 166,730			813.94
	1876	Labor - Steering Wheel Column - Unit 11/OD 166,730			645.00
Total for Check Number 11536:				0.00	1,458.94
11537	10976	iShred Incorporated	05/19/2021		
	98555-18	Annual (2 Years) Obsolete Document Shredding			510.00
Total for Check Number 11537:				0.00	510.00
11538	10429	Legend Pump & Well Service Inc	05/19/2021		
	20364	Replace Motor Saver - Well 10 Emergency			855.35
Total for Check Number 11538:				0.00	855.35
11539	10894	Liberty Dental Plan	05/19/2021		
	0001477954	Liberty Dental - May 2021			305.17
	0001482529	Liberty Dental - June 2021			352.95
Total for Check Number 11539:				0.00	658.12

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
11540	10527	OfficeTeam, A Robert Half Company	05/19/2021		
	57560974	Customer Service Temp 04/19 - 04/23/2021			996.46
	57604823	Customer Service Temp 04/26 - 04/30/2021			996.48
	57646000	Customer Service Temp 05/03 - 05/07/2021			996.48
	57687540	Customer Service Temp 05/10 - 05/14/2021			996.48
Total for Check Number 11540:				0.00	3,985.90
11541	10223	Richards, Watson & Gershon	05/19/2021		
	231318	Legal Services Mar Board Approval 05/12/2021			3,977.50
Total for Check Number 11541:				0.00	3,977.50
11542	10491	Rogers, Anderson, Malody & Scott, LLP	05/19/2021		
	65680	Audit Services FY 2020 - April 2021			20,000.00
Total for Check Number 11542:				0.00	20,000.00
11543	10689	Safety Compliance Company	05/19/2021		
	197399	Safety Meeting - Hearing Protection 05/05/2021			250.00
Total for Check Number 11543:				0.00	250.00
11544	10234	Kristen Schultz	05/19/2021		
	05172021	Notary Fee - May 2021			15.00
Total for Check Number 11544:				0.00	15.00
11545	10063	The Record Gazette	05/19/2021		
	1148582	Notice Inviting Bids - Demography Services			328.00
	1148583	Notice Inviting Bids - Well 14 Rehab			628.00
Total for Check Number 11545:				0.00	956.00
Total for 5/19/2021:				0.00	424,958.53
ACH	10138	ARCO Business Solutions	05/24/2021		
	HW201 5.24.2021	ARCO Fuel Charges 05/11-05/17/2021			1,405.05
Total for this ACH Check for Vendor 10138:				0.00	1,405.05
11546	10290	San Gorgonio Pass Water Agency	05/24/2021		
	21-00232	511 AF @ $399 for Apr 2021 Noble Creek Turnout			203,889.00
Total for Check Number 11546:				0.00	203,889.00
Total for 5/24/2021:				0.00	205,294.05
ACH	10138	ARCO Business Solutions	05/26/2021		
	HW20105.26.2021	ARCO Fuel Charges 05/18-05/24/2021			1,603.53
Total for this ACH Check for Vendor 10138:				0.00	1,603.53
11547	10447	State Water Resources Control Board - DWOCP	05/26/2021		
	OP#45409	OP# 45409 - J McCue			90.00
Total for Check Number 11547:				0.00	90.00
Total for 5/26/2021:				0.00	1,693.53

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
ACH	10085	CalPERS Retirement System	05/27/2021		
	16394146	PR Batch 00003.05.2021 CalPERS 8% ER Paid			785.40
	16394146	PR Batch 00003.05.2021 CalPERS ER Paid Classic			7,888.60
	16394146	PR Batch 00003.05.2021 CalPERS 7% EE Deduction			1,280.67
	16394146	PR Batch 00003.05.2021 CalPERS 7.5% EE PEPRA			3,048.86
	16394146	PR Batch 00003.05.2021 CalPERS ER PEPRA			3,349.25
	16394146	PR Batch 00003.05.2021 CalPERS 8% EE Paid			1,684.22
	16394146	PR Batch 00003.05.2021 CalPERS Final Paid Classic			734.24
	16394146	PR Batch 00003.05.2021 CalPERS 1% ER Paid			182.94
Total for this ACH Check for Vendor 10085:				0.00	18,954.18
ACH	10087	EDD	05/27/2021		
	0-500-047-520	PR Batch 00003.05.2021 CA SDI			1,149.57
	0-500-047-520	PR Batch 00003.05.2021 State Income Tax			3,673.44
Total for this ACH Check for Vendor 10087:				0.00	4,823.01
ACH	10094	U.S. Treasury	05/27/2021		
	92253875	PR Batch 00003.05.2021 Medicare Employee Portion			1,424.16
	92253875	PR Batch 00003.05.2021 Federal Income Tax			9,184.07
	92253875	PR Batch 00003.05.2021 FICA Employer Portion			6,089.54
	92253875	PR Batch 00003.05.2021 Medicare Employer Portion			1,424.16
	92253875	PR Batch 00003.05.2021 FICA Employee Portion			6,089.54
Total for this ACH Check for Vendor 10094:				0.00	24,211.47
ACH	10141	Ca State Disbursement Unit	05/27/2021		
	35907931	PR Batch 00003.05.2021 Garnishment			360.05
	35907931	PR Batch 00003.05.2021 Garnishment			288.46
Total for this ACH Check for Vendor 10141:				0.00	648.51
ACH	10203	Voya Financial	05/27/2021		
	VB1450 -PP11	PR Batch 00003.05.2021 Deferred Comp			350.00
Total for this ACH Check for Vendor 10203:				0.00	350.00
ACH	10264	CalPERS Supplemental Income Plans	05/27/2021		
	16439958	PR Batch 00003.05.2021 457 Loan Repayment			357.79
	16439958	PR Batch 00003.05.2021 CalPERS 457			1,086.00
	16439958	PR Batch 00003.05.2021 100% Contribution			720.33
	16439958	PR Batch 00003.05.2021 ROTH % Deduction			55.34
	16439958	PR Batch 00003.05.2021 CalPERS 457 %			62.73
Total for this ACH Check for Vendor 10264:				0.00	2,282.19
ACH	10895	Basic Pacific	05/27/2021		
	25171142	PR Batch 00003.05.2021 Flexible Spending Account (PT)			197.91
Total for this ACH Check for Vendor 10895:				0.00	197.91
Total for 5/27/2021:				0.00	51,467.27
		Report Total (122 checks):		0.00	896,624.25

Beaumont-Cherry Valley Water District
Board of Directors Meeting
June 9, 2021

Item 2d

STAFF REPORT

TO: Board of Directors

FROM: Dan Jaggers, General Manager

SUBJECT: **Approval of Pending Invoices**

Staff Recommendation

Approve the pending invoice totaling $5,767.50.

Background

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

Fiscal Impact

There is a $5,767.50 impact to the District which will be paid from the 2021 budget.

Attachment(s)

- Richards Watson Gershon Invoice #231783

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

350 South Grand Avenue
37th Floor
Los Angeles, CA 90071

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

May 14, 2021
Invoice # 231783

Re: 12788-0001 GENERAL COUNSEL SERVICES

For professional services rendered through April 30, 2021:

Current Legal Fees	$5,767.50
Current Client Costs Advanced	$0.00
TOTAL CURRENT FEES AND COSTS	**$5,767.50**
Balance Due From Previous Statement	$3,977.50
TOTAL BALANCE DUE FOR THIS MATTER	**$9,745.00**

TERMS: PAYMENT DUE UPON RECEIPT

PLEASE RETURN THIS PAGE WITH YOUR REMITTANCE TO

RICHARDS, WATSON & GERSHON
350 South Grand Avenue, 37th Floor
Los Angeles, CA 90071

BEAUMONT-CHERRY VALLEY WATER DISTRICT
560 Magnolia Avenue, Beaumont, CA 92223

MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
Wednesday, May 12, 2021 at 6:00 p.m.

Meeting held via teleconference pursuant to
California Government Code Section 54950 et. seq. and
California Governor's Executive Orders N-29-20 and N-33-20

Call to Order: *President Slawson began the meeting at 6:01 p.m.*

Pledge of Allegiance: *Led by Director Ramirez*

Invocation: *Given by President Slawson*

Announcement of Teleconference Participation

Acting Director of Finance and Administrative Services William Clayton clarified that this meeting is conducted via teleconference pursuant to California Government Code Section 54953, and under Executive Orders N-29-20 and N-33-20 of the Governor of California.

The teleconference capabilities of this meeting have been identified in the Notice and Agenda, pursuant to the Brown Act and the Governor's Executive Order. Under the Governor's Executive Order due to the danger of COVID-19, the teleconference locations are not publicly accessible. The public's right to comment and participate in the meeting is being assured via teleconference capabilities.

The Beaumont-Cherry Valley Water District (BCVWD) will use sound discretion and make reasonable efforts to adhere as closely as reasonably possible to the provisions of the Brown Act, and other applicable local laws regulating the conduct of public meetings, in order to maximize transparency and provide the public access to meetings.

Roll Call:

Directors present:	Covington, Hoffman, Ramirez, Williams (6:15 p.m.), Slawson
Directors absent:	None
Staff present:	General Manager Dan Jaggers Senior Engineer Mark Swanson Assistant Director of Operations James Bean Acting Director of Finance and Administrative Services William Clayton Senior Accountant Sylvia Molina Human Resources Coordinator Sabrina Foley Administrative Assistant Erica Gonzales

Legal Counsel	James Markman

Members of the public who registered attendance: San Gorgonio Pass Water Agency Board members Larry Smith and Blair Ball.

Acting Director of Finance and Administrative Services William Clayton verified that all present members of the Board of Directors have indicated that they are able to hear the other directors clearly on the teleconference. No directors expressed any reason to believe, based on voice recognition or otherwise, that those persons representing themselves to be directors are not truly so.

Public Comment: None.

1. **Adjustments to the Agenda**: None.

2. **Consent Calendar:**

   The following Consent Calendar items were approved with one motion:

   a. Review of the March 2021 Budget Variance Reports
   b. Review of the March 31, 2021 Cash/Investment Balance Report
   c. Review of Check Register for the Month of April 2021
   d. Review of April 2021 Invoices Pending Approval
   e. Minutes of the Regular Meeting of April 14, 2021
   f. Minutes of the Regular Meeting of April 22, 2021

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

Director Williams joined the meeting at 6:15 p.m.

3. **Ratification of the General Manager's Declaration of a District Emergency regarding Necessary Immediate Repairs to Well 25**

   General Manager Dan Jaggers explained the identification of issues with Well 25 which prompted the declaration of emergency and preliminary work. He advised that he consulted with President Slawson and Director Covington in preparation for the request.

   Assistant Director of Operations James Bean detailed the investigation of the problem and findings and advised of some repairs. Until the Well 25 pumping unit is returned to full service, it cannot be determined if further repairs will be required, he noted. Bean explained issues with the 800 hp electric motor and advised the Board of options and costs. The 2021 budget includes $140,829 for purchase of an 800 hp spare motor, he noted.

   Staff recommends action totaling $147,640 as it is in the best interest of the District to get the well back into service quickly, Mr. Bean advised. Jaggers added that the objective is to assure options. He noted that the costs are reasonable and staff

would like to directly purchase a motor from the vendor. He added that there may be some potential additional costs for tax and freight and noted that the emergency spending authorization limit is $250,000.

Director Covington noted that the sheer volume and size of the well motors presents a level of risk. Mr. Bean responded with detail on the well motor history and Mr. Jaggers added information on previous motor issues. Covington questioned the recommended expenditure of $48,441 on a rotor, just one component, contrasted with purchase of a new motor for $84,199 and Mr. Jaggers explained the plan and responded to technical questions.

Director Hoffman suggested exploring the possibility of improving the cooling of the motors; Mr. Bean explained the cooling systems and assured that the temperature issues have been addressed. Director Williams asked about the cost share with the City of Banning. Mr. Jaggers indicated that the City may have a proportionate share and he will work with them regarding the motor designated in the Capital Improvement Program, but his preference is that BCVWD retains ownership of the 800 hp motor so it can be used on BCVWD wells without reimbursement to Banning.

President Slawson asked about the budgeted amount of $140,829 and wondered if current supply issues would affect the purchase. Mr. Jaggers explained this is why the two-pronged approach is being considered and detailed the original budgeted cost.

The Board ratified the General Manager's Declaration of a District Emergency to address the emergency regarding necessary immediate repairs to Well 25 on Monday, May 3, 2021 by the following vote:

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

4. Resolution 2021-__ Revising the District's Salary Schedule and Organization Chart – NOT ADOPTED

Human Resources Coordinator Sabrina Foley explained recent changes and short staffing in the accounting department including the resignation of the Director of Finance and Administrative Services and the budgeted, but still vacant, Account Clerk position. She reminded the Board that there was previously a full-time position of an Accounting Technician and detailed the duties and reclassification of the position in 2021. The designation of a part time position was to save on health insurance and benefit costs, however the hours required by the tasks exceed the 19.23 hours for CalPERS benefits.

The current option to hire the Account Clerk as budgeted is not viable, Foley explained. She presented the organization chart, detailed additional functions needed of the position and requested replacement of the part-time entry-level Account Clerk to a full-time journeyman level Accounting Technician classification.

Acting Director of Finance and Administrative Services William Clayton detailed the fiscal impact of making the change: a budget adjustment of $3,420 for fiscal year 2021 and ongoing costs starting in 2022 at $102,117.

Mr. Jaggers added that envisioned savings would not be realized with the Account Clerk position, and it was expected to increase the position to full time in 2022 to meet the needs of the department. Ms. Foley added that this is a return to staffing levels from 2019.

Ms. Foley noted that the Accounting Technician job description in the packet is in draft form awaiting feedback from the Accounting Department. Mr. Jaggers added that a part time Customer Service Representative was also budgeted and hired, and the intent is to hold the position under the health benefit minimum. He advised that there will be some increased costs including some health benefit costs that were not budgeted with the Accounting Technician position, but there will be savings in other areas, such as recruitment of a new Director of Finance and Administrative Services.

This is a multi-year commitment as the real need is identified, and the intent is to get to a healthy staffing position, Jaggers stated.

Director Covington noted that the proposed Accounting Technician salary step 1 is $27.28. In response to President Slawson, Ms. Foley and Mr. Clayton detailed the tasks of the position. A degree would be preferred for this position, Clayton noted.

Director Williams noted that the job description does not indicate education or certificate requirements. In response to a question from Williams, Ms. Foley explained that the position is needed due to the department workload and has been exacerbated by current staffing conditions. Mr. Jaggers added that a staff member is being loaned to accounting from another department and is providing at least 20 hours of support.

Director Williams pointed out that there will be a Classification Study and the new hire would possibly receive an increase resulting from the study. Ms. Foley said it was possible that there would be change if the Compensation Study shows a market rate different than the proposed rate. Ms. Williams pointed out that flying a job with a description that has not yet been evaluated by the study is at cross purposes. She suggested the study address this position first. Ms. Foley explained that in order to have a successful study, there needs to be an incumbent in the position to give feedback.

Director Covington pointed out that the compensation study could show the positions are paid less than they were three years ago. Ms. Foley explained it will be up to the Board to determine the strategy for pay and whether to lead, lag or match the market.

Director Covington posited that the proposed Accounting Technician pay is high for the job description. Ms. Foley noted that the rate of pay is based on what was previously approved for this position in 2019 and 2020 with a cost-of-living adjustment added. An accounting degree would be preferred for this position and the District is looking for significantly more experience than entry level, Foley explained, as the level of responsibility is greater.

Covington pointed out that the job description does not reflect the responsibility. Ms. Foley assured that the description is being modified prior to posting and staff is recommending posting as soon as possible.

Director Ramirez questioned whether the position was ready for posting and requested a redline of the job description. Ms. Foley explained the requested Board action, noting that the job description is typically under staff purview. She suggested the updated job description be presented to the Personnel Committee. General Manager Jaggers noted that there is ongoing staff discussion about the job description.

Director Covington asked whether job descriptions must be approved by the Personnel Committee; Ms. Foley indicated that is not policy. Ms. Williams asked whether it could be requested that the job description be reviewed by the Personnel Committee. Ms. Foley said yes; but noted that would slow up the recruiting process as the May 17 Personnel Committee meeting agenda has been posted, but it could be agendized in June. Director Williams stated that the concern is that the most qualified person is recruited to avoid turnover and that the person is not a liability in the department.

President Slawson tabled the item to the May 27, 2021 Engineering Workshop.

5. Authorize the General Manager to Enter into an Agreement with Koff and Associates for a Classification Study in an amount not to exceed $29,915

Human Resources Coordinator Sabrina Foley reminded the Board about discussion regarding the need for a classification study and a compensation study in preparation for the renegotiation of the employee Memorandum of Understanding (MOU) as required by the agreement in 2017.

In the past, differing levels of attention have been paid to job descriptions, she advised. Some have been updated recently with the HR consultant but there are some that were created prior to 2016 that are outdated. There are also inconsistencies in format and items included, she indicated. This study will bring all job descriptions to a current format and will give employees opportunity to participate in a feedback process to ensure accuracy.

Ms. Foley explained the Request for Proposals procedure and the responses received. Koff and Associates (Koff) had the strongest technical score and the strongest cost score and stood out for the detail of the proposal, she advised. Koff also completed the classification and compensation study for BCVWD to the Board's satisfaction in 2017, she added.

Both proposals evaluated suggested that the deadline for the deliverables be pushed out approximately four weeks to ensure quality results and an adequate feedback process, which staff will take under advisement, Foley noted. Koff can begin work as soon as tomorrow, she said.

The cost proposal includes all expenses, such as travel, Foley advised. The project is currently budgeted for $25,000 within the Human Resources budget as adopted. Staff proposes to make up the different with other funds budgeted for the HR Department, she said. There may be additional expenses should the Board choose to retain Koff in the event of a formal appeal.

The project should be concluded in the summer of 2021, Foley continued. The study results with any long-term financial considerations would be considered and the study recommendations would be reviewed by the Board before implementation. There may be potential changes to the salary schedule and organization chart and benefits offerings based on the results of the studies, she explained.

In response to Director Covington, Ms. Foley clarified that the classification study will overlap the compensation study. A third study, time allowing, would be a succession planning study, she noted.

Director Williams asked about completion prior to budget discussion. Ms. Foley estimated the classification study would be completed around the end of July and the compensation study at the end of August and indicated it will be ongoing as the District begins the budget process. It is a goal to start the budget process earlier this year which puts pressure on to complete the studies timely, and there will be changes based on what is adopted in the MOU, she said.

President Slawson invited public comment. There was none.

The Board authorized the General Manager to execute an agreement with Koff & Associates for a classification study for an amount not to exceed $29,915 by the following vote:

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

6. Request for Update to *Will-Serve Letter* for Proposed Housing Project – Allegheny Street (Riverside County Assessor's Parcel No. 419-150-050) located between 6th Street and 8th Street and west of Highland Springs Avenue in the City of Beaumont

Senior Engineer Mark Swanson advised this Will-Serve Letter (WSL) was previously approved in June 2019. It is coming back to the Board for consideration as it has been longer than two years, he said. Originally approved was a four-building project of 48 apartment units but is now two buildings of 48 units. Plans include a rec center room, he added.

Swanson explained the reduction in Equivalent Dwelling Units (EDUs) to 32 for the multi-family project and presented project detail. He noted the District's conditions to reduce potable water usage. Swanson gave an overview of the area facilities and suggested that as infill development occurs, it may be considered to bring a recycled water line eastward, which is not currently in the master plan. The report assumes the project would need to upsize the line through a main extension agreement, he explained.

Mr. Jaggers added that the project will likely have on-site fire suppression required and most likely a main line extension will be required; it would not feed from a transmission main. These details remain to be finalized, he stated.

President Slawson asked about requirements for existing customers to connect to a new 8-inch line. Mr. Jaggers detailed the reconfiguration of existing services.

Director Hoffman asked about the City of Beaumont's pavement moratorium implications on Allegheny Street. Mr. Jaggers noted that the City is the lead planning agency on the project and if Allegheny were paved in advance of the project, they would likely have to make an exception. During the plan check process, Swanson added, he had advised the developer to communicate with the City that part of their improvements may be to construct a pipeline. It would not fall to the water district, as BCVWD is not installing the line.

President Slawson invited public comment. There was none.

The Board approved an updated Will Serve Letter for a proposed affordable housing apartment complex for special needs populations to be located on Allegheny Street between 6th Street and 8th Street and west of Highland Springs Avenue in Beaumont, CA (Assessor's Parcel Number 419-150-050) by the following vote:

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

7. Request for *Will-Serve Letter* for Riverside County Assessor's Parcel No. (APN) 407-300-004 located at 38602 Jenni Lisa Court in the Community of Cherry Valley

Senior Engineer Mark Swanson explained there is an existing residence, and this is for building of a 1,000 square foot secondary unit on a tract that was discussed by the Board not long ago.

Swanson noted the new law regarding accessory dwelling units does not apply when the unit exceeds 800 square feet and instead becomes a multiple dwelling on a single lot. Per District policy, the capacity charges (facilities fees) impact is 1.3 of an EDU, Swanson noted. A second meter and fire flow will also be required, and this has been communicated to the applicant, he said.

In response to President Slawson, Mr. Swanson explained the Accessory Dwelling Unit state law. Director Williams read detail of the law and asked about the determination. Mr. Swanson assured that the County will process the project and the builder will have to return to the District and provide the County determination. The District will abide by the County determination and make any needed adjustments, he said.

President Slawson invited public comment. There was none.

The Board approved the request for water service Will-Serve Letter for a property located at 38602 Jenni Lisa Court, identified as Riverside County Assessor's Parcel No. (APN) 407-300-004 within the community of Cherry Valley, subject to payment of all fees to the District and securing all approvals from the County of Riverside by the following vote:

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

8. Request for *Will-Serve Letter* for Proposed Single-Family Residence for Riverside County Assessor's Parcel No. (APN) 401-030-003 located on Oak Glen Road, south of Scenic Crest Drive and north of Apple Tree Lane in the Community of Cherry Valley

Senior Engineer Mark Swanson explained the location of this 2,800 square foot single-family home in the higher elevation in the water system and noted this is close to the edge of the District's service boundary. He described the District's facilities in Oak Glen Road and said it is not likely to require an upgrade but will need to satisfy the requirements of the fire department.

Front footage fees will be required, and drought tolerant landscaping will be required per County ordinance, Swanson said.

The Board approved the request for water service Will-Serve Letter for a property located at Riverside County Assessor's Parcel No. 401-030-003 within the community of Cherry Valley, subject to payment of all fees to the District and securing all approvals from the County of Riverside by the following vote:

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

9. Status of Automatic Meter Read/Advanced Metering Infrastructure Deployment Project: Water Sustain and Manage America's Resources for Tomorrow: Water and Energy Efficiency Grant

General Manager Jaggers reminded the Board that this is a quarterly report as requested and advised that staffing is a challenge due to the current employment situation in the U.S.

Acting Director of Finance and Administration William Clayton provided highlights of the report. He noted that 27 percent of the total project cost is expected to be grant funded.

President Slawson invited public comment. There was none.

10. Continued Review of Anticipated California Drought Conditions, District Urban Water Management Plan Drought Restrictions and BCVWD Resolution 2014-05 Regarding Issuance of Will-Serve Letters and Other Drought Response

General Manager Jaggers advised the Board that this is a feverishly moving target in the State of California. He described current status and noted that the current conditions support the Sites Reservoir. The Reservoir is a hotly contested project, he noted.

The District's Urban Water Management Plan (UWMP) sets forth the strategy for water supply condition where the imported water supply allocation averages 50 percent over a two-year or longer period, which is the current condition, Jaggers emphasized. From a real supply perspective, this warrants consideration and discussion, and decisions need to be made Jaggers advised.

If there is continued drought next year, he warned, California is going to have some real problems. At the Monday meeting of the San Gorgonio Pass Water Agency, General Manager Lance Eckhart noted that the annual snow survey was not performed as there was no snow to measure.

Jaggers advised the Board that there will be more discussion at the Engineering Workshop about the UWMP Drought Contingency Plan and the stages of water shortage plan. He noted that BCVWD will be taking a fair amount of water out of its groundwater storage account this year.

President Slawson stated he looked forward to a more in-depth discussion and acknowledged there is no good news.

11. Status of Local Emergency regarding the Impact of the Respiratory Illness Pandemic COVID-19 pursuant to Resolution 2020-07

General Manager Jaggers reported that the office re-opened in April on a part-time scenario. The next step is to move toward the 60 percent mark and an open office strategy as previously discussed. The goal for May is to open for a full day on two days per week with a soft ramp-up into June to achieve the desired 80 to 100 percent. Staff challenges are driven by school and childcare logistics, he explained. Phones are now answered live, he added.

Jaggers noted that Governor Newsom announced that it is expected that masks will not be required other than in mass congregations of people starting in approximately June.

Parts are being ordered for the upgrade to the Board room and in person meetings may be discussed for potential opening in the middle of June, Jaggers posited.

Jaggers advised he sees no concerns with current COVID numbers or hospitalizations and said Riverside County seems to be achieving safety.

Director Covington requested discussion of resuming in-person meetings at the June 9 Board meeting for the Board to make a decision.

12. Status of Declared Local Emergencies related to Fires

a. **Impact of the Apple Fire pursuant to Resolution 2020-17**

b. **Impact of the El Dorado Fire pursuant to Resolution 2020-20**

Mr. Jaggers stated there was nothing to report.

13. Reports For Discussion

a. Ad Hoc Committees: None.

b. General Manager:

Mr. Jaggers noted that things are moving along at the recharge facilities. He noted that the District is still struggling with the City of Beaumont encroachment permit activities. Some gritty, black materials showed up in recharge ponds causing concerns. It turned out to be blasting grit used during repairs at the Cherry Valley Pump Station. Any effects will be assessed, he stated.

c. Directors' Reports:

President Slawson reported that he attended the Riverside County Water Task Force meeting. He noted it is not looking good for the Delta Conveyance.

Director Ramirez reported that he attended the Association of California Water Agencies conference. He noted that there are many water agencies making a good effort on social media and NextDoor.

d. Legal Counsel Report:

Counsel Markman advised there is litigation surrounding the Delta Conveyance and it is not going well from the point of view of getting water south of the Delta. He provided a brief overview and said it is looking dour for reliance on State Water Project water moving south.

14. Announcements

All the following meetings will be held via teleconference unless otherwise indicated. President Slawson read the following announcements:

- Personnel Committee Meeting: Monday, May 17, 2021 at 5:30 p.m.
- Finance and Audit Committee Special Meeting: May 25, 2021 at 3 p.m.
- San Gorgonio Pass Regional Water Alliance: May 26 at 5 p.m.
- Engineering Workshop: Thursday, May 27, 2021 at 6 p.m.
- District Offices will be closed Monday, May 31, 2021 in observance of Memorial Day
- Beaumont Basin Watermaster Committee: Wednesday, Jun. 2, 2021 at 10 a.m.
- Finance and Audit Committee Meeting: Thursday, Jun. 3, 2021 at 3 p.m.
- Ad Hoc Communications Committee: Monday, Jun. 7 at 5:30

- Sites Reservoir Ad Hoc Committee: Tuesday, Jun. 8 at 5:30 p.m.
- Regular Board Meeting: Wednesday, Jun. 9, 2021 at 6 p.m.
- Collaborative Agencies Committee: Jul. 7, 2021 at 5 p.m.

15. Action List for Future Meetings:

- Water supply for BCVWD and the region
- Matrix for delivery of recycled water
- Update on the Delta Conveyance Project
- Legal perspective on the Delta Conveyance
- Legal Counsel report on changes in Proposition 218
- Legal update on drought conditions in the west

16. Convened in Closed Session: 8:25 p.m.

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

Reconvened in Open Session: 8:52 p.m.

17. Report on Closed Session

President Slawson announced there was no reportable action taken.

18. Adjournment

President Slawson adjourned the meeting at 8:52 p.m.

ATTEST:

DRAFT UNTIL APPROVED

_____

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

DRAFT UNTIL APPROVED

_____

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

Beaumont-Cherry Valley Water District
Regular Board Meeting
June 09, 2021

Item 3

STAFF REPORT

TO: Board of Directors

FROM: Bill Clayton, Acting Director of Finance and Administrative Services

SUBJECT: **2020 External Audit and Annual Comprehensive Financial Report**

Staff Recommendation

Receive and file the independent auditors' unmodified (clean) opinion on the Beaumont-Cherry Valley Water District's (District) financial statements for the year ended December 31, 2020, included in the December 31, 2020 Annual Comprehensive Financial Report (Annual Report).

Background

The Annual Report is used to communicate the District's financial condition and activity in a transparent and organized manner. The report presents historical and comparative information that can be useful to District staff, elected officials, and external users; such as debt rating agencies, businesses, other public agencies and the District's customers. The most recent Annual Report and several prior year reports are available on the District's website.

Financial statements are prepared by the District and audited by independent auditors who are contracted through a competitive procurement process. The District's current independent auditor is Rogers, Anderson, Malody & Scott, LLP (RAMS). Auditors follow audit industry standards established by the American Institute of Certified Public Accountants (AICPA). These standards require auditors to provide an opinion on specific areas of the District's financial statements based on observations, inquiries, testing of transactions and analysis.

A clean, unmodified opinion communicates to users that the financial statements are fairly presented, in all material respects, and that the information used in the report is reliable. Other minor issues that would not warrant a change in the auditor's opinion are presented in the form of a Management Letter, with comments and recommendations to management, intending to improve internal controls or result in other operating efficiencies.

A final copy of the Annual Report will be made available online at the time of the meeting, which includes the opinion letter signed by RAMS, with the date of the meeting, June 9, 2021.

The District's Annual Financial Report includes the following major sections and information:

Introductory Section

- Letter of Transmittal – prepared by management and used to communicate information on areas that may have an impact on the District's finances now and in the future. This includes economic factors as well as budget and management factors.

Financial Section

- Independent Auditors' Report – report on the reliability and fair presentation of the Annual Report.

- Management's Discussion and Analysis (MD&A) – an overview of the year's operations and how the District performed financially.

- Basic Financial Statements

    - Statement of Net Position – presents information on all of the District's assets and deferred outflows of resources, and liabilities and deferred inflows of resources, with the difference reported as net position.

    - Statement of Revenues, Expenses and Changes in Net Position – measures the success of the District's operations over the past reporting period(s) and can be used to determine if the District has successfully recovered all of its costs through its rates and other charges.

    - The Statement of Cash Flows – presents information relating to the District's cash receipts and cash disbursements during the year. This information should help readers assess the District's ability to generate future net cash flows, its ability to meet its obligations as they come due, and its need for external financing.

    - Notes to the Basic Financial Statements – presents additional information that is necessary to understand the data provided in the basic financial statements.

- Required Supplementary Information

    - Pension information – presents the District's proportionate share of the Net Pension Liability of the Cost-Sharing Multiple Employer Benefit Plan, and contributions to the Plan as of the end of the year.

    - Other Post-Employment Benefits information – presents three (3) years of OPEB funding information.

Statistical Section

Presents information on financial trends, revenue capacity, debt capacity, demographic and economic conditions, and comparative operational data, for ten years.

Fiscal Impact

There is no immediate financial impact or budget action necessary as a result of the recommended action.

Attachment(s)

DRAFT Annual Comprehensive Financial Report for the year ended December 31, 2020

Report prepared by Bill Clayton, Acting Director of Finance and Administrative Services

Final Draft
Subject to Change

BEAUMONT-CHERRY VALLEY WATER DISTRICT
ANNUAL COMPREHENSIVE FINANCIAL REPORT

FISCAL YEAR ENDED DECEMBER 31, 2020

BEAUMONT, CALIFORNIA

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Final Draft
Subject to Change

Annual Comprehensive Financial Report

For the Year Ended December 31, 2020

Beaumont-Cherry Valley Water District
Beaumont, California

Board of Directors as of June 9, 2021

Daniel Slawson, President
Lona Williams, Vice-President
David Hoffman , Treasurer
Andy Ramirez , Secretary
John Covington , Director

Daniel K. Jaggers, P.E., General Manager

Prepared by the Finance and Administrative Services Department
William Clayton
Acting Director of Finance & Administrative Services

The goal of the District is to provide for a healthy, safe and enriched quality of life throughout the District boundaries through watershed stewardship and thorough management of water resources in a practical, cost-effective, and environmentally sensitive manner for current and future generations.

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Beaumont-Cherry Valley Water District
Annual Comprehensive Financial Report
For the Year Ended December 31, 2020

Table of Contents

Introductory

Beaumont-Cherry Valley Water District
Phone: (951) 845-9581 Fax: (951) 845-0159
Email: info@bcvwd.org
http://www.bcvwd.org

June 9, 2021

Honorable Board of Directors
Beaumont-Cherry Valley Water District

It is our pleasure to submit the Annual Comprehensive Financial Report (ACFR) for the Beaumont-Cherry Valley Water District (District) for the year ended December 31, 2020, following guidelines set forth by the Government Accounting Standards Board (GASB) and Generally Accepted Accounting Principles (GAAP).
District staff prepared this financial report. District management is ultimately responsible for both the accuracy of the data and the completeness and fairness of presentation, including all disclosures in this financial report. To the best of our knowledge and belief, the enclosed data is accurate in all material respects and is reported in a manner designed to present fairly the financial position and results of operations of the District. All disclosures necessary to enable the reader to gain an understanding of the District's financial activities have been included. Internal controls are an important part of any financial reporting framework, and management of the District has established a comprehensive framework of internal controls to provide a reasonable basis for asserting that the financial statements are fairly presented. Because the cost of an internal control should not exceed the benefits to be derived, the objective is to provide reasonable, rather than absolute assurance, that the financial statements are free of any material misstatements.

GAAP requires that management provide a narrative introduction, overview, and analysis to accompany the basic financial statements in the form of Management's Discussion and Analysis (MD&A). The letter of transmittal is designed to complement the MD&A and should be read in conjunction with it. The District's MD&A can be found immediately following the report of the independent auditors.

The District's financial statements have been audited by Rogers, Anderson, Malody and Scott, LLP, a firm of licensed certified public accountants. The independent auditors concluded, based upon the audit, that there was a reasonable basis for rendering an unmodified (clean) opinion that the District's financial statements for the year ended December 31, 2020, are fairly presented, in all material respects, in conformity with GAAP. The independent auditors' report is presented as the first component of the financial section of this report.

560 Magnolia Avenue Beaumont CA 92223

Profile of the District

The goal of the District is to provide for a healthy, safe and enriched quality of life throughout the District boundaries through watershed stewardship and thorough management of water resources in a practical, cost-effective, and environmentally sensitive manner for current and future generations.

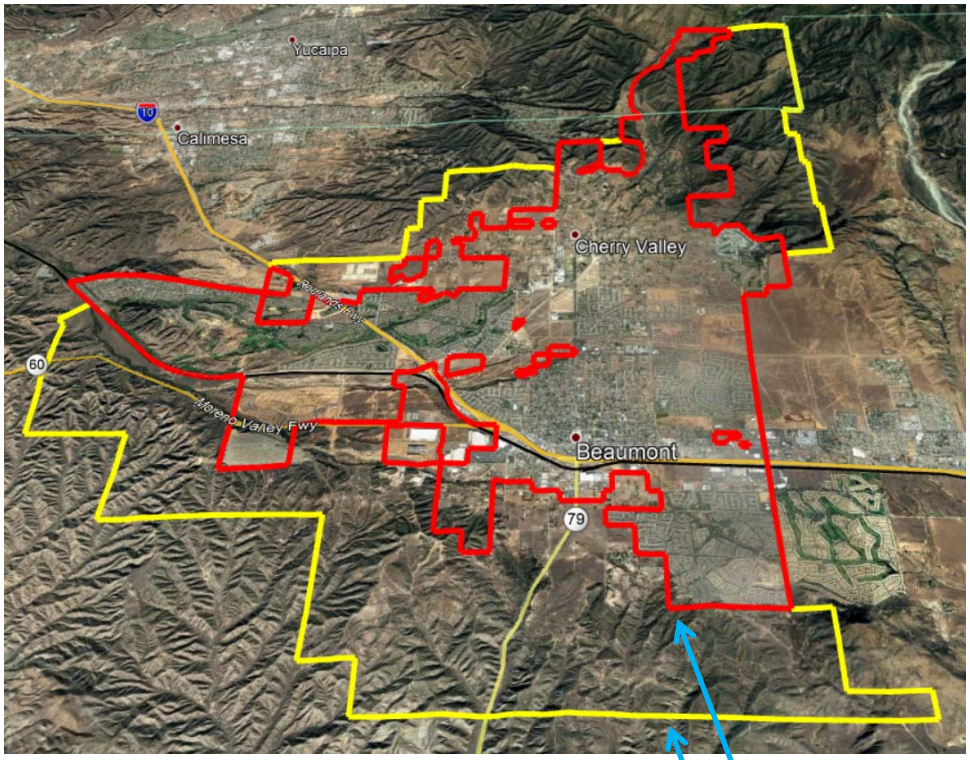
History

The origin of the District dates back to the latter part of the 1800's when the Southern California Investment Company was the owner of the land that currently is the City of Beaumont and the community of Cherry Valley. The Company intended to build a system of water lines for the purpose of developing subdivisions throughout the Beaumont and Cherry Valley areas. The area started to develop in the late 1880s and in 1912 the community of Beaumont incorporated. The District was formed in 1919 as the Beaumont Irrigation District under California Irrigation District law, Water Code Section #20500 et seq. The name was changed to the Beaumont-Cherry Valley Water District in 1973. The District owns 575 acres of watershed land in Edgar Canyon in San Bernardino County and 949 acres of watershed in Riverside County. Edgar Canyon is named after Dr. William F. Edgar, a military doctor who was in charge of a number of hospitals during the Civil War. Dr. Edgar appreciated the beauty of the land and purchased it in 1859; he planted fruits and vineyards and later established a winery.

Service Area

The District's present service area covers approximately 28 square miles, virtually all of which is in Riverside County, and includes the City of Beaumont, the community of Cherry Valley, and some small areas of Calimesa.

Figure 1
BCVWD Service Area



Water Services, Supply, and Reliability
The District has both a potable and non-potable water distribution system. At the end of 2020, the District had a total of 19,690 connections, an increase of 341 connections over 2019, 93.07 percent of which are for single family residences.

The District has a total of 24 wells, 21 of which are active, and 15 reservoirs ranging in size from 0.5 million gallons (MG) to 5 MG. Total storage is approximately 23 MG.

Today, the District continues to develop programs and policies that ensure a supply of water for the area's growing population and include recharge of local area storm water and imported water from the State Water Project.

Of significance to its programs and goals, the Board authorized the purchase of 78.8 acres of land and eventually constructed the Noble Creek Recharge Facility for the recharge of imported water from the State Water Project. In the future, storm runoff and possibly highly treated recycled water may be recharged at the facility. These water sources would receive additional natural treatment as they recharge the groundwater, much like rain and runoff, which are naturally treated as they seep into the ground to become groundwater.

The District's water supplied for the year ended December 31, 2020 of 13,818 acre-feet (AF) was comprised of 10,577 AF of imported water (76.6%), 1,279 AF of groundwater from Edgar Canyon (9.2%), and a 1,962 AF allocation of unused overlying water rights (14.2%) as determined by the Beaumont Basin Watermaster. Groundwater is pumped from Edgar Canyon and the Beaumont Basin. The allocation of unused overlying water rights within the Beaumont Basin is derived from a calculated volume of available water not produced by Overlying Parties and distributed to the Beaumont Basin Appropriators. The District added 427 AF of imported water to its Beaumont Basin Watermaster Storage Account during 2020.

Governance
The District's Board of Directors is comprised of five members elected by the citizens within their geographical area. Each Director serves a four year staggered term and must be a resident of the division they represent. The District operates under a Board-Manager form of government. The General Manager is appointed by the Board, and administers the daily affairs of the District and carries out policies of the Board of Directors. The District employs a full-time and temporary staff of 39 under the direction of the General Manager.

Local Economy
The District is located within Riverside County, the fourth largest county in the State. Riverside County and San Bernardino County comprise the Inland Empire which is one of the fastest growing metropolitan areas in the nation. The Inland Empire covers approximately 27,000 square miles with a population of about 4.6 million. Riverside County has a population of 2.4 million people and of this, the District serves approximately 60,800 between the City of Beaumont and community of Cherry Valley, according to estimates from the State of California Department of Finance Demographic Research Unit.

The District's customer base currently is comprised of mostly residential and commercial customers. Large consumers remain consistent year to year with the City of Beaumont, K Hovnanian's Four Seasons, Beaumont Unified School District, Highland Springs Country Club, and TNT Blanchard General Eng Inc. rounding out the top five users.

According to US Census Bureau projections, median household incomes within the City of Beaumont of $84,105 are 26 percent higher than for the County of Riverside at $67,005, and 12 percent higher than the State-wide median household income of $75,235. The median value of a single family owner-occupied housing unit in the vicinity of the City of Beaumont is $419,631, up 16.5 percent over the past year.

Financial Management

The keys to the District's successful financial management are the District's Capital Improvement Plan, annual budget process, and financial policies.

Capital Improvement Plan
The Capital Improvement Plan (CIP) is a ten-year fiscal planning tool used to identify the future capital needs of the District, as well as identify the timing and method of financing those capital needs. The CIP is designed to show how the District will build, maintain, and manage the assets needed to produce, treat, and distribute water while keeping costs as low as possible. This planning tool provides the framework for District investments over a ten-year horizon, while providing the flexibility to adapt to changing infrastructure needs and opportunities as they arise.

Annual Budget Process
The General Manager is responsible for keeping expenses within budget allocations and may adopt budget policies necessary to carry out that responsibility. No expenditure of funds shall be authorized unless sufficient funds have been appropriated by the Board or reallocated by the General Manager.

The General Manager may exercise discretion in the administration of the Budget to respond to changed circumstances, by requesting budget amendments between line items within their department. Budget transfers between departments must be approved by both department directors. Any single line item (account) modification in excess of $50,000, shall require approval by the Board. Any addition to the budget shall also require approval by the Board. All budget transfers are documented and tracked in the District's computerized financial system and reported to the Finance and Audit committee at their regular meetings on the first Thursday of each month.

The Capital Improvement Budget (CIB) is presented as a supplement to the annual operating budget and includes only the next five years of the most-recently adopted CIP. Any additions or changes to the CIP are documented in the CIB.

Financial Policies
The District's financial policies include financial management practices that are used for operational and strategic decision making and allow the Board of Directors and stakeholders to monitor how the District is managing its financial responsibilities.

Investment Policy - This policy is intended to provide a guideline for the prudent investment of surplus cash, reserves, trust funds, and restricted monies and to outline a policy for maximizing the efficiency of the District's cash management system in compliance with Section 53646 of the Government Code of California. The policy applies to all financial assets of the District as accounted for in the audited financial statements. The primary objectives of the District's investment activities, in order of priority, are safety of principal through the mitigation of both credit and market risk, maintenance of the liquidity necessary to meet cash flow needs and, lastly, return on investment.

Reserve Policy - This policy incorporates and identifies restricted reserves as Future Capital Commitments, Funds Held for Others, and Debt Service. Board designated unrestricted reserves are identified in the policy as Emergency, Capital Replacement, and Operations.

The purpose of the Emergency Reserve is to ensure continued service to the District's customers and service areas for events which are impossible to anticipate and budget for. The Emergency Reserve is adjusted annually to a minimum of 15 percent of the annual operating budget.

The Capital Replacement Reserve is earmarked for the purchase of operating equipment, physical plant, infrastructure, water conservation projects and other capital items. They are designed to stabilize funding for capital by accumulating "pay as you go" reserves available for necessary capital purchases. The Capital Replacement Reserve is funded through any sources available for capital improvements, including operating revenues.

The Reserve for Operations is to be used for working capital purposes and to ensure continuity of customer services regardless of cash flow. This Reserve is adjusted annually to a minimum amount sufficient to pay for three months of budgeted operating expenses, not exceeding a maximum of six months of budgeted operating expenses. Adequate reserves, along with sound financial policies, provide financial flexibility in the event of unanticipated expenses or revenue fluctuations.

Purchasing Policy - This policy is designed to establish policies and procedures that provide for:

- competitive bidding in the open market
- a cost effective purchasing process that incorporates high ethical standards
- obtaining quality materials, supplies, equipment, and non-professional services at the lowest ultimate cost and in a timely manner
- a process to purchase, using effective fiscal controls that assure adherence to budgeted expenses and for obtaining appropriate levels of approval as established therein

Challenges Impacting the District's Financial Position

Water Supply and Reliability - California's water supply continues to be a concern due to past droughts and projected population increases. This concern has increased interest in recycled water for groundwater replenishment purposes. The District has expanded and will continue to expand its conservation efforts and the availability of local sources such as canyon water. Such expansions will increase diversity of the District's water supply and water source reliability. The District will also continue to work with local and regional water suppliers in planning and constructing other water delivery systems throughout its service area.

Investment in Infrastructure - Aging infrastructure continues to be a significant challenge for the District. The majority of this aging infrastructure requires major investment in both the short- and long-term. The District currently has the reserves to address the immediate replacement and improvement projects, but is taking a proactive look at alternative funding sources such as grants, loans, and revenue bond funding.

Delta Conveyance Project - California's largest supply of clean water is dependent on an aging and inefficient system that cannot adequately store water when it is available. The proposed solution, Delta Convenyance Project, will provide an alternate delivery pathway through the Delta which will reduce risk from earthquakes, climate change impacts, and provide reliable water while protecting the environment. Part of the cost to fix California's primary water delivery system will be paid for by State Water Project contractors and other public water agencies that rely on the supply. Cost estimates and financing plans are being developed, and this project could have a major impact on the District's water rates in the future.

Containing CalPERS Costs - Considerations at the state level include the various policy decisions presided over by the CalPERS Board that can have direct bearing on the District's financial obligations to the pension fund. There are three key policy areas that affect the District and by causing contribution amounts to change and the measurements of unfunded accrued liability to fluctuate. Those policy areas include: asset allocation across investment portfolios, which, in turn affects the second area; discount rate (or rate of return on investments of the fund); and the amortization policy, which governs the payment

of unfunded accrued liability. In December 2016, the Board adopted a policy to lower the discount rate (or rate of return) from 7.5% to 7% with a three-year phase in beginning with fiscal year 2016-17. As of fiscal year 2019, the lowered discount rate of 7% was fully implemented. Implications for the District include higher pension costs and considerations of establishing a stabilization fund in order to build budget resiliency against future policy changes by the CalPERS Board. More specific information is presented in Note 12 of the Notes to the Financial Statements.

Major Initiatives

Major goals for the District continue to be the conservation and efficient use of urban water supplies, providing the means to meet increasing demands for water, and providing an accurate accounting of all business operations including District infrastructure. Planning for and developing facilities to provide water for future growth continues to be a District priority.

Following are highlights of the District's completed and on-going initiatives identified in the 2019 Annual Comprehensive Financial Report (ACFR) as well as highlights of major projects that have been or are planned to be initiated in 2021 to meet the District's goals.

Completed:

- Completed construction of the Well 25 block wall and Noble Creek Recharge Facility Phase I security fencing.

- Finalized 2019 Water Rate and Fee Study and implemented proposed changes to water rates and service charges following a public hearing in February with the new rates taking effect March 1, 2020.

- Provided engineering support including finalization of project design for installation of new Beaumont Avenue Water Services in conjunction with City of Beaumont Street Improvement Project (Beaumont Avenue Pavement Rehabilitation), including pipeline replacements for portions of 9th Street and 11th Street, west of Beaumont Avenue.

To Be Initiated:

- Complete capital improvement design activities and commence construction for Noble Reservoir No. 2 and Pipeline, 2018 Replacement Pipeline Project, and Well 1A and 2A Well Drilling Project, Noble Booster equipment purchase, and 4A Booster equipment replacement.

- Commence Capital Improvement Projects including design of Wells 30 and 31, Well 1A and 2A Pumping Plants, Wells 30 and 31 Pumping Plant, Raw Water Filter and Pump Station, City of Beaumont WWTP Recycled Water Booster Station and connection piping, 2750 PZ to 2850 PZ Booster Station, 2020 Replacement Pipelines, and miscellaneous projects.

- Apply for and gain certification for the delivery of Recycled Water through the Department of Water Resources (DWR).

- Apply for grant funding to secure additional generator power and provide redundancy during emergencies and Public Service Power Shutdowns from Southern California Edison.

Ongoing:

- Continued development of water supply opportunities with regional partners, storm water capture programs, recycled water supply and recovery programs, and San Timoteo groundwater basin management activities.

- The District will continue with the development of the non-potable water system by constructing additional facilities necessary to complete the conversion of the landscape irrigation users as well as satisfy additional demand. The District's focus in 2021 and beyond will be on design and construction of Recycled Water Booster Station on a City of Beaumont provided site located adjacent to the City of Beaumont Wastewater Treatment Plant, pressure regulator projects, 2520 PZ to 2370 PZ and 2600 PZ to 2520 PZ, as well as the Raw Water Filter System Project at the 2800 PZ Tank.

- The Grand Avenue Storm Drain Project, which is being developed in conjunction with Riverside County Flood Control and Water Conservation District and partially funded utilizing grant funding from Proposition 84, will capture and recharge storm water at NCRF Phase II. The Project continued in 2020 and will be on-going through 2021.

- The GIS System Mapping Project is on-going with the majority of the system completely mapped and accessible to District personnel.

- Conservation Program and a Community Outreach Program - The District's intent is to work with surrounding agencies and develop a joint program with regional partners and community stakeholders.

- The revised Capacity Charge (Facility Fee) Study was initiated in 2016 and is expected to be completed by the end of 2021.

- AMR/AMI Deployment – the AMR/AMI Deployment project was designed to provide a streamlined and efficient way for staff to read water meters electronically. Staff-planned deployment of radios over the next few years for the AMR/AMI Deployment project is defined by the $1.5 million grant the District was awarded in early 2020 related to this activity.

- In 2018 the District initiated the IT workstation upgrade program that is ongoing and is based on a rotating three-year replacement plan.

Awards and Acknowledgements

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the District for its Annual Comprehensive Financial Report (ACFR) for the fiscal year ended December 31, 2019. This was the third consecutive year that the District has achieved this prestigious award. In order to be awarded a Certificate of Achievement, the District had to publish an easily readable and efficiently organized ACFR that satisfied both generally accepted accounting principles and applicable program requirements.

A Certificate of Achievement for Excellence in Financial Reporting is valid for a period of one year only. However, we believe that our current ACFR continues to meet the Certificate of Achievement for Excellence in Financial Reporting Program's requirements, and we are submitting it to the GFOA to determine its eligibility for another certificate.

Preparation of this report was accomplished by the combined efforts of District staff. We appreciate the dedicated efforts and professionalism that these staff members contribute to the District. We would also like to thank the members of the Board of Directors for their continued support in the planning and implementation of the Beaumont-Cherry Valley Water District's financial and operating policies.

Daniel Jaggers
General Manager

William Clayton
Acting Director of Finance and Administrative Services

Beaumont-Cherry Valley Water District

560 Magnolia Avenue Beaumont CA 92223
951.845-9581 www.bcvwd.org

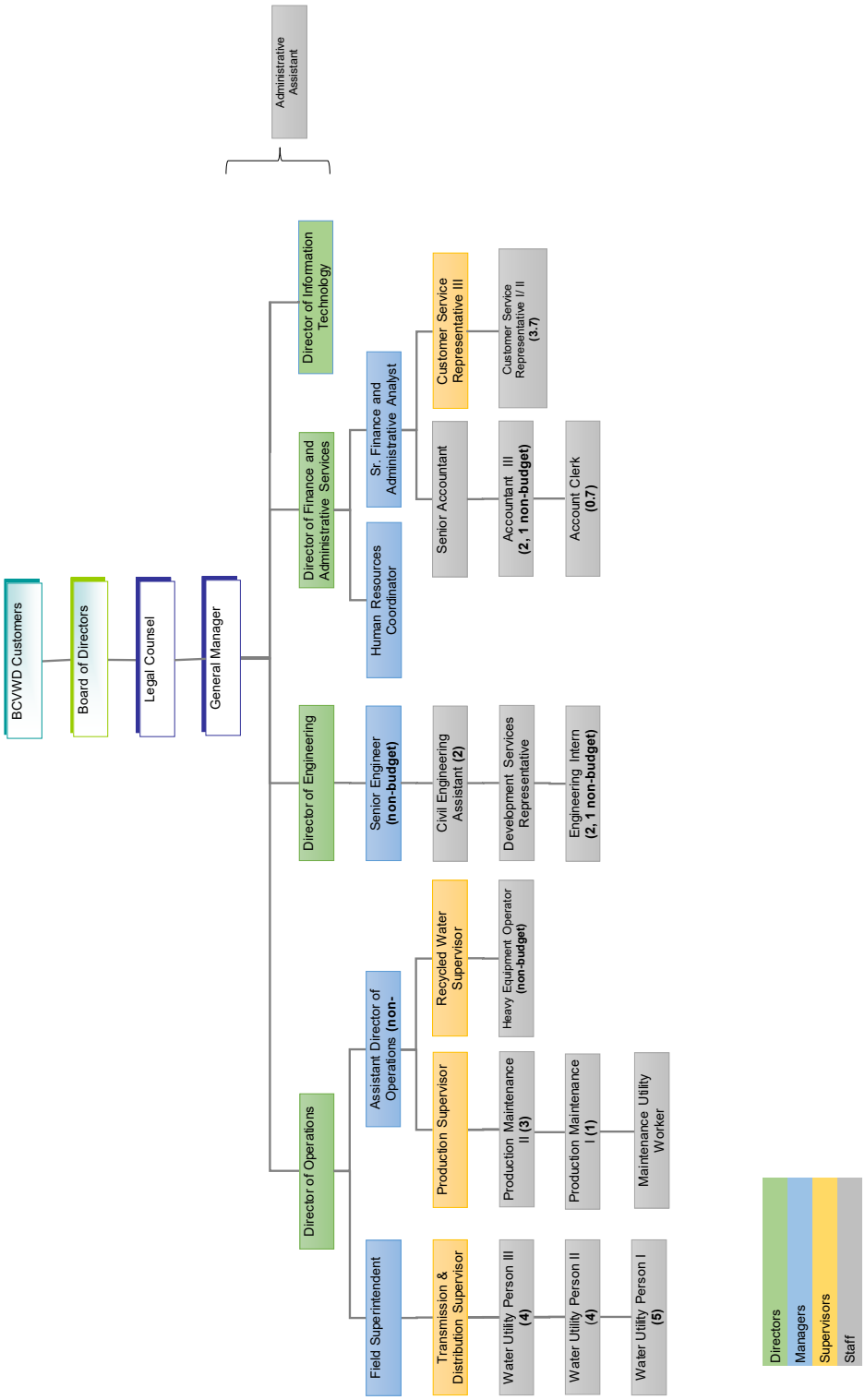
Board of Directors as of December 31, 2020

Director	Title	Division	Current Term
John Covington	President	4	12/2018 – 12/2022
David Hoffman	Vice-President	5	12/2018 – 12/2022
Lona Williams	Secretary	2	12/2020 – 12/2024
Daniel Slawson	Treasurer	3	12/2018 – 12/2022
Andy Ramirez	Director	1	12/2020 – 12/2024

Daniel K. Jaggers, P.E.
General Manager

Final Draft
Subject to Change

Beaumont-Cherry Valley Water District
Organizational Chart



Effective 01/01/2021

Government Finance Officers Association

Certificate of Achievement for Excellence in Financial Reporting

Presented to

Beaumont Cherry Valley Water District
California

For its Comprehensive Annual
Financial Report
For the Fiscal Year Ended

December 31, 2019

Christopher P. Morrill

Executive Director/CEO

Financial

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Independent Auditor's Report

Independent Auditor's Report

Board of Directors
Beaumont-Cherry Valley Water District
Beaumont, California

Report on the Financial Statements

We have audited the accompanying financial statements of the Beaumont-Cherry Valley Water District (the District), as of and for the year ended December 31, 2020, and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America, the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States and the State Controller's *Minimum Audit Requirements for California Special Districts*. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the District's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the District as of December 31, 2020, and the changes in financial position and cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America, as well as the accounting systems prescribed by the State Controller's Office and State Regulations governing Special Districts.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the required supplementary information, as listed in the table of contents, be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the District's basic financial statements. The introductory section and statistical section are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The introductory section and statistical section has not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on it.

Prior Year Comparative Information

We have previously audited the District's 2019 financial statements, and we expressed an unmodified opinion in our report dated June 10, 2020. In our opinion, the summarized comparative information presented herein as of and for the year ended December 31, 2019, is consistent, in all material respects, with the audited financial statements which it has been derived.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated June xx, 2021 on our consideration of the District's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the District's internal control over financial reporting and compliance.

San Bernardino California
June xx, 2021

Management's Discussion and Analysis

As management of the Beaumont-Cherry Valley Water District (the "District" or "BCVWD"), we offer readers of the District's financial statements this narrative overview and analysis of the financial activities of the District for the fiscal years ended December 31, 2020 and 2019. We encourage readers to consider the information presented here in conjunction with additional information that we have furnished in our transmittal letter which can be found on pages 1-8.

FINANCIAL HIGHLIGHTS

Based on the financial information for the year ended December 31, 2020, the following financial highlights are noted for the District:

- The assets and deferred outflows of resources of the District exceeded its liabilities and deferred inflows of resources at year end by $176,440,062 (net position). Of this amount, $29,160,218 represents unrestricted net position, which may be used to meet the District's ongoing obligations to customers and creditors and maintain designated reserves approved by the District's Board of Directors.
- The District's total net position increased $4,273,341 from the prior fiscal year. The increase is mainly a result of capacity charges to developers in the amount of $3,725,998, to ensure that funds are set aside to provide for the expansion of the domestic and non-potable water system.
- In addition to the capacity charges, the increase in net position was due to investment earnings of $942,888, and together these helped offset a loss from operations of $496,821.

Based on the financial information for the year ended December 31, 2019, the following financial highlights are noted for the District:

- The assets and deferred outflows of resources of the District exceeded its liabilities and deferred inflows of resources at year end by $172,166,721 (net position). Of this amount, $27,472,086 represents unrestricted net position, which may be used to meet the District's ongoing obligations to customers and creditors and maintain designated reserves approved by the District's Board of Directors.
- The District's total net position increased $1,801,503 from the prior fiscal year. The increase is mainly a result of capacity charges to developers in the amount of $2,989,469, to ensure that funds are set aside to provide for the expansion of the domestic and non-potable water system.
- In addition to the capacity charges, the increase in net position was due to investment earnings of $1,668,981, and together these helped offset a loss from operations of $2,643,548.

OVERVIEW OF THE BASIC FINANCIAL STATEMENTS

Beaumont-Cherry Valley Water District is a special-purpose government engaged in activities that are supported exclusively by user charges. As such, the District's financial statements are presented in the format prescribed for proprietary funds by the Governmental Accounting Standards Board.

The following financial statements for the year ended December 31, 2020 (2019 for comparative purposes only) consist of a series of interrelated statements designed to provide the reader with relevant, understandable data about the District's financial condition and operating results. They are the Statement of Net Position, the Statement of Revenues, Expenses, and Changes in Net Position, and the Statement of Cash Flows.

The *Statement of Net Position* presents financial information on all of the District's assets and deferred outflows of resources, and liabilities and deferred inflows of resources, with the difference reported as net position. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the Beaumont-Cherry Valley Water District is improving or deteriorating.

The *Statement of Revenues, Expenses and Changes in Net Position* presents information illustrating how net position changed during the fiscal year. This *Statement* measures the success of the District's operations over the past reporting periods and can be used to determine if the District has successfully recovered all of its costs through its rates and other charges. More succinctly, this *Statement* can be used to evaluate the District's financial condition over the last two years. It can also be used as a basis for determining credit worthiness.

The *Statement of Cash Flows* presents information relating to the District's cash receipts and cash disbursements during the year. When used with related disclosures and information in the other financial statements, the information in this *Statement* should help readers assess the District's ability to generate future net cash flows, its ability to meet its obligations as they come due, and its need for external financing. It also provides insight into the reasons for differences between operating income and associated cash receipts and payments; and the effects of the District's financial position of its cash and non-cash investing for capital and related transactions during the years. This *Statement* answers questions such as sources of cash, uses of cash, and the change in the cash balance during the reporting periods.

Notes to the Basic Financial Statements. The notes provide additional information that is necessary to understand the data provided in the basic financial statements. The notes to the financial statements are included immediately following the *Basic Financial Statements* and can be found on pages 28-55 of this report.

In addition to the *Basic Financial Statements* and accompanying notes, this report also presents *Required Supplementary Information,* which includes the schedule of the District's proportionate share of the net pension liability, schedule of pension contributions, and the schedule of funding progress on the other post-employment benefit (OPEB) plan. *Required Supplementary Information* can be found on pages 56-58 of this report.

FINANCIAL ANALYSIS OF THE DISTRICT

The following condensed schedules contain a summary of financial information that was taken from the *Basic Financial Statements,* to assist readers in assessing the District's overall financial position and operating results.

Condensed Statements of Net Position

	2020	2019	2018
Assets			
Current assets	$ 71,396,990	$ 65,234,010	$ 62,512,946
Non-current assets	434,054	529,104	595,426
Capital assets	113,615,348	114,636,883	115,174,259
Total assets	185,446,392	180,399,997	178,282,631
Deferred outflows of resources	972,446	729,769	677,933
Liabilities			
Current liabilities	5,131,804	4,813,944	4,865,655
Non-current liabilities	4,767,988	3,979,186	3,511,702
Total liabilities	9,899,792	8,793,130	8,377,357
Deferred inflows of resources	78,984	169,915	217,989
Net position			
Net investment in capital assets	113,615,348	114,636,883	115,174,259
Restricted	33,664,496	30,057,752	26,824,036
Unrestricted	29,160,218	27,472,086	28,366,923
Total net position	$ 176,440,062	$ 172,166,721	$ 170,365,218

Assets

2020 compared to 2019 Total assets were $185,446,392, reflecting an increase of $5,046,395 primarily due to the following:

- Restricted cash and investments increased by $4,006,337 due to capital contributions from developers of $3,725,998, and an increase in customer account credit balances of $258,971.

2019 compared to 2018 Total assets were $180,393,997, reflecting an increase of $2,117,366 primarily due to the following:

- Current assets, comprised of restricted and unrestricted assets, increased by $2,721,064. This change is primarily reflective of the $396,106 provided by operating activities, capital contributions from developers, net of capital contributed to another government, of $2,469,818, and $1,510,069 of interest received, less $1,856,995 for acquisition and construction of capital assets.

FINANCIAL ANALYSIS OF THE DISTRICT (Continued)

Liabilities

2020 compared to 2019 Total liabilities were $9,899,792, reflecting an increase of $1,106,662 primarily due to the following:

- Customer account credit balances, mainly resulting from customers paying amounts in excess of current billings due, and which are used against future billings or refunded upon request, increased by $258,791.
- The District's net pension liability increased by $265,493, a year-end calculation made in accordance with Governmental Accounting Standards Board (GASB) statement number 68 Accounting and Financial Reporting for Pensions.
- The District's net other post-employment benefits (OPEB) liability increased by $510,733, a year-end calculation made in accordance with Governmental Accounting Standards Board (GASB) statement number 75, Accounting and Financial Reporting for Post-employment Benefits Other Than Pensions. The primary reason for the increase was the decrease in the municipal bond rate from 3.5% as of June 30, 2019 to 2.21% as of June 30, 2020. Accounting standards require the use of this discount rate to measure the liability in the absence of a trust or other funding mechanism.

2019 compared to 2018 Total liabilities were $8,793,130, reflecting an increase of $415,773 primarily due to the following:

- The District's net pension liability increased by $248,900, a year-end calculation made in accordance with Governmental Accounting Standards Board (GASB) statement number 68 Accounting and Financial Reporting for Pensions.
- The District's net other post-employment benefits (OPEB) liability increased by $219,779, a year-end calculation made in accordance with Governmental Accounting Standards Board (GASB) statement number 75, Accounting and Financial Reporting for Post-employment Benefits Other Than Pensions.

Net Position

2020 compared to 2019 Total net position was $176,440,062 reflecting an increase of $4,273,341.

- The largest portion of the District's net position, which is its investment in capital assets of $113,615,348 (64.4%) had a decrease of $1,021,535 from the prior year. Investment in capital assets reflects its investment in land, transmission and distribution systems, reservoirs, tanks, pumps, buildings and structures, and equipment and vehicles, net of depreciation. The District uses its capital assets to provide water service to the residents of Beaumont, Cherry Valley and some portions of Calimesa. As such, these assets are not available for future spending.
- The restricted portion of net position was $33,664,496 (19.1%), an increase of $3,606,744 from the prior year. Restricted net position is subject to external restrictions on its use, such as for future infrastructure construction.

FINANCIAL ANALYSIS OF THE DISTRICT (Continued)

Net Position (continued)

- The remaining unrestricted net position of $29,160,218 (16.5%), an increase of $1,688,132, is non-spendable ($1,197,034) and designated ($27,963,184), according to Board policy, to meet the ongoing needs of the District. See Note 11 on page 46 for more details on the District's net position.

2019 compared to 2018 Total net position was $172,166,721, reflecting an increase of $1,801,503.

The details of both increases were discussed in the Financial Highlights section on page 15.

Condensed Statements of Revenues, Expenses and Changes in Net Position

	2020	2019	2018
Operating revenues	$ 15,890,567	$ 13,351,751	$ 14,160,641
Non-operating revenues	1,044,164	1,711,954	1,167,115
Total revenues	16,934,731	15,063,705	15,327,756
Operating expenses	16,387,388	15,995,299	13,583,971
Total expenses	16,387,388	15,995,299	13,583,971
Income (loss) before contributions	547,343	(931,594)	1,743,785
Capital contributions	3,725,998	2,733,097	7,706,050
Change in net position	4,273,341	1,801,503	9,449,835
Beginning net position	172,166,721	170,365,218	160,915,383
Ending net position	$ 176,440,062	$ 172,166,721	$ 170,365,218

Operating Revenues and Expenses

2020 compared to 2019

Total operating revenues of $15,890,567 increased by $2,538,816 primarily due to the following:

- Metered water sales and the corresponding water importation charges and water pumping pass-through charges totaling $11,104,401 increased by $2,329,244. This increase was primarily due to the March 1, 2020 increase in the volumetric rates for most class types, which included a 57% increase in the water importation pass through charge. This is the cost of imported water from the State Water Project that is levied by the San Gorgonio Pass Water Agency (SGPWA). Additionally, the District experienced an 11.2% increase in water consumption as water use increased due to higher homeowner occupancy during normal working hours because of Federal and State stay-at-home orders.

FINANCIAL ANALYSIS OF THE DISTRICT (Continued)

Operating Revenues and Expenses (continued)

- Development and installation charges of $712,920 decreased by $138,545, mainly due to a slight downturn in development-driven activities.
- Water service charges of $3,893,907 increased by $490,299, primarily due to the March 1, 2020 increase in the bi-monthly service charge, which is used to pay for the costs of service associated with operations, like pipe and system maintenance, capital projects, distribution, meters and service.

Total operating expenses of $16,387,388 increased by $392,089 primarily due to the following:

- Salaries and employee benefits expenses of $4,515,442 increased by $318,263 as the District implemented the third of a three-year phasing in the wage increases in accordance with a salary and compensation study performed in late 2017.
- Other offsetting operating expense changes included a $513,026 increase in energy expenses due to an increase in electric pumping rates charged by Southern California Edison, an $809,249 decrease in purchases of imported water, a $181,169 increase in maintenance and repairs due to increased well maintenance and repair activities, and a $157,768 increase in depreciation expense.

2019 compared to 2018

Total operating revenues of $13,351,751 decreased by $808,890 primarily due to the following:

- Metered water sales and the corresponding water importation charges and water pumping pass-through charges totaling $8,775,157 decreased by $763,242, mainly due to a 7.2 percent decrease in water consumption.
- Development and installation charges of $851,465 decreased by $128,164, mainly due to a slight downturn in development-driven activities.
- Water service charges of $3,403,608 increased by $164,965, mainly due to the installation of 592 meters during 2019.

Total operating expenses of $15,995,299 increased by $2,411,328 primarily due to the following:

- Purchases of imported water totaling $5,200,241 increased by $1,357,884 as the District participated in a regional effort to buy imported water from Northern California to recharge the local groundwater basin. In addition, the District paid for the costs to increase the San Gorgonio Pass Water Agency's State Water Project facility's hydraulic capacity, which enabled the District to import more water in a calendar year than ever before. Higher groundwater levels resulting from the recharge not only helps ensure the health of the basin but also makes pumping groundwater more cost effective.
- Salaries and employee benefits expenses of $4,197,179 decreased by $353,374 as the District implemented the second of a three-year phasing in the wage increases in accordance with a salary and compensation study performed in late 2017.
- Maintenance and repair expenses increased by $202,681 as the District drastically increased landscaping maintenance activities at many of its facilities.

FINANCIAL ANALYSIS OF THE DISTRICT (Continued)

Operating Revenues and Expenses (continued)

- The District's year-end calculation of pension expense of $242,066 under GASB statement number 68 increased by $149,420. This is required each year and can be volatile as it involves complex actuarial assumptions and calculations.

Capital Assets

	Balance December 31, 2020	Balance December 31, 2019	Balance December 31, 2018
Land	$ 7,721,730	$ 7,721,730	$ 7,721,730
Construction in progress	1,911,613	1,505,184	988,172
Transmission and distribution system	65,208,110	65,878,826	66,165,371
Structures and improvements	13,381,149	13,514,867	13,828,960
Reservoirs and tanks	15,263,602	15,748,653	16,234,527
Pumping and telemetry equipment	9,607,904	9,516,397	9,520,651
Vehicles and equipment	521,240	751,226	714,848
Capital assets, net of depreciation	$ 113,615,348	$ 114,636,883	$ 115,174,259

The District's investment in capital assets includes land, transmission and distribution systems, buildings and structures, reservoirs, tanks, pumps, equipment and vehicles, and construction in progress.

2020 compared to 2019 The District's investment in capital assets, net of accumulated depreciation, was $113,615,348, a decrease of $1,021,535. The decrease resulted mainly from the following significant capital additions, offset by current year depreciation of $2,865,579:

- Well pumping, casing, and site improvements in the amount of $393,574.
- Water main and service line replacements totaling $201,720.
- Installations of new and retrofitted radio read-capable meters amounting to $644,349.
- New additions to construction in progress of $406,429.
- Landscaping and structure improvements at District facilities of $182,318.

2019 compared to 2018 The District's investment in capital assets, net of accumulated depreciation, was $114,636,883, a decrease of $537,376. The decrease resulted mainly from the following significant capital additions, offset by current year depreciation of $2,707,811:

- Well pumping and chlorination equipment of $245,397.
- Developer donated water systems totaling $312,918.
- Installations of new and retrofitted radio read-capable meters amounting to $827,370.
- New additions to construction in progress of $517,012.

FINANCIAL ANALYSIS OF THE DISTRICT (Continued)

Capital Assets (Continued)

New meter installations include the cost of employee labor, as well as meter parts. Meters are currently replaced every 10-15 years as part of the District's meter change out program. More information on the District's capital assets activity for the years ending December 31, 2020 and 2019 can be found in Note 5 beginning on page 39 of this report.

Long-term Debt

At December 31, 2020 and December 31, 2019, the District had no long-term debt.

NEXT YEAR'S BUDGET AND RATES

Fiscal Year 2021 Budget

The District's Board of Directors and management considered many factors when setting the fiscal year 2021 budget, user fees, and charges.

	Actual Fiscal Year 2020	Budget Fiscal Year 2021	Dollar Change	Total Percent Change
Operating revenues	$ 15,890,567	$ 16,088,123	$ 197,556	1.2%
Non-operating revenues	1,044,164	1,317,338	273,174	26.2%
Total revenues	16,934,731	17,405,461	470,730	27.4%
Operating expenses	16,387,388	18,773,017	2,385,629	14.6%
Total expenses	16,387,388	18,773,017	2,385,629	14.6%
Income (loss) before contributions	547,343	(1,367,556)	(1,914,899)	-349.9%
Capital contributions	3,725,998	7,061,076	3,335,078	89.5%
Change in net position	4,273,341	5,693,520	1,420,179	33.2%
Net position, beginning of period	172,166,721	176,440,062	4,273,341	2.5%
Net position, end of period	$ 176,440,062	$ 182,133,582	$ 5,693,520	3.2%

Water Rates and Charges

The Board of Directors approved proposed changes to water rates and service charges following a public hearing on February 27, 2020, after a seven-month evaluation by an independent financial expert who studied the then-current rate structures and cost of service, balancing revenue needs with mitigating rate increases for customers. The study revealed the need for new rates and charges based on increasing operating, maintenance and capital replacement costs, which went into effect on March 1, 2020, with changes effective again on January 1, 2021, 2022, 2023, and 2024.

FINANCIAL ANALYSIS OF THE DISTRICT (Continued)

Requests for Information

This financial report is designed to provide a general overview of the District's finances and to demonstrate accountability and stewardship over the money it receives. Questions regarding the content provided in this report or requests for additional information should be addressed to the Director of Finance and Administrative Services, Beaumont-Cherry Valley Water District, 560 Magnolia Avenue, Beaumont, CA, 92223.

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Basic Financial Statements

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Beaumont-Cherry Valley Water District

Statements of Net Position
December 31, 2020 with Comparative Information as of December 31, 2019

	2020	2019
ASSETS		
Current assets:		
Cash and investments (Note 2)	$ 29,059,815	$ 27,918,643
Restricted cash and investments - funds held for others (Note 2)	4,256,930	3,912,513
Restricted cash and investments - capital commitments (Note 2)	33,196,206	29,534,286
Interest receivable	91,526	191,699
Accounts receivable, net of allowance for uncollectible accounts (Note 3)	3,556,566	2,677,821
Notes receivable (Note 4)	4,677	8,446
Restricted notes receivable (Note 4)	60,694	55,176
Inventories	922,971	720,828
Prepaid items	247,605	214,598
Total current assets	71,396,990	65,234,010
Noncurrent assets:		
Notes receivable (Note 4)	26,458	60,814
Restricted notes receivable (Note 4)	407,596	468,290
Capital assets, net of accumulated depreciation (Note 5)	113,615,348	114,636,883
Total noncurrent assets	114,049,402	115,165,987
Total assets	185,446,392	180,399,997
DEFERRED OUTFLOWS OF RESOURCES		
OPEB related (Note 10)	431,384	99,893
Pension related (Note 12)	541,062	629,876
Total deferred outflows of resources	972,446	729,769
LIABILITIES		
Current liabilities:		
Accounts payable and other accrued liabilities (Note 6)	631,332	659,393
Customer account credit balances (Note 7)	436,703	177,912
Customer deposits payable	444,663	498,818
Unearned revenues (Note 8)	3,375,565	3,235,784
Current portion of long-term liabilities:		
Compensated absences (Note 9)	243,541	242,037
Total current liabilities	5,131,804	4,813,944
Noncurrent liabilities:		
Compensated absences (Note 9)	112,383	99,807
Total OPEB liability (Note 10)	2,061,369	1,550,636
Net pension liability (Note 12)	2,594,236	2,328,743
Total noncurrent liabilities	4,767,988	3,979,186
Total liabilities	9,899,792	8,793,130
DEFERRED INFLOWS OF RESOURCES		
OPEB related (Note 10)	47,586	53,119
Pension related (Note 12)	31,398	116,796
Total deferred inflows of resources	78,984	169,915
NET POSITION		
Net investment in capital assets (Note 11)	113,615,348	114,636,883
Restricted (Note 11)		
Capital Commitments	33,196,206	29,534,286
Notes Receivable	468,290	523,466
Unrestricted (Note 11)	29,160,218	27,472,086
Total net position	$ 176,440,062	$ 172,166,721

The accompanying notes are an integral part of the financial statements.

Beaumont-Cherry Valley Water District

Statements of Revenues, Expenses and Changes in Net Position
For the Year Ended December 31, 2020 with Comparative Information for the year ended December 31, 2019

	2020	2019
OPERATING REVENUES		
Metered water sales	$ 5,332,496	$ 4,933,445
Water service charges	3,893,907	3,403,608
Water importation pass-through charges	3,951,457	2,237,051
Water pumping power pass-through charges	1,820,448	1,604,661
Development and installation charges	712,920	851,465
Other revenue	179,339	321,521
Total operating revenues	15,890,567	13,351,751
OPERATING EXPENSES		
Salaries and employee benefits	4,515,442	4,197,179
Pension expense	268,910	242,066
Energy expenses	2,105,011	1,591,985
Water purchases	4,390,995	5,200,241
Administration	551,523	508,291
Operations	421,946	440,041
Maintenance and repairs	926,039	744,870
Depreciation	2,865,579	2,707,811
Insurance	92,035	75,858
Professional fees	236,248	272,752
Other expenses	13,660	14,205
Total operating expenses	16,387,388	15,995,299
Operating income (loss)	(496,821)	(2,643,548)
NONOPERATING REVENUES (EXPENSES)		
Investment earnings	942,888	1,668,981
Rental income	23,089	23,805
Other revenue	78,187	3,328
Gain on sale of capital assets	-	15,840
Total nonoperating revenues (expenses)	1,044,164	1,711,954
Income (loss) before contributions	547,343	(931,594)
CAPITAL CONTRIBUTIONS		
Donated capital assets	-	313,440
Capital contribution to other government	-	(569,812)
Capacity charges	3,725,998	2,989,469
Total capital contributions	3,725,998	2,733,097
Change in net position	4,273,341	1,801,503
Net position, beginning of year	172,166,721	170,365,218
Net position, end of year	$ 176,440,062	$ 172,166,721

The accompanying notes are an integral part of the financial statements.

Beaumont-Cherry Valley Water District

Statements of Cash Flows
For the Year Ended December 31, 2020 with Comparative Information for the year ended December 31, 2019

	2020	2019
CASH FLOWS FROM OPERATING ACTIVITIES:		
Receipts from customers	$ 14,592,401	$ 12,163,824
Receipts from developers (unrestricted)	665,052	836,785
Other receipts	295,198	337,671
Payments to employees for salaries and benefits	(4,299,327)	(4,040,357)
Payments to suppliers and service providers	(8,923,163)	(8,931,626)
(Refund)/receipt of customer deposits	(54,155)	29,809
Net cash provided by operating activities	2,276,006	396,106
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:		
Acquisition and construction of capital assets	(1,952,732)	(1,856,995)
Capital contributions	3,781,174	3,039,630
Capital contribution to other government	-	(569,812)
Gain on sale of capital assets	-	15,840
Net cash provided by capital and related financing activities	1,828,442	628,663
CASH FLOWS FROM INVESTNG ACTIVITIES:		
Interest received	861,630	1,510,069
Realized gain/(loss) on investments	181,431	173,790
Net cash provided by investing activities	1,043,061	1,683,859
Net increase in cash and cash equivalents	5,147,509	2,708,628
Cash and investments, beginning of year	61,365,442	58,656,814
Cash and investments, end of year	$ 66,512,951	$ 61,365,442
Reconciliation to the Statement of Net Position:		
Cash and investments	$ 29,059,815	$ 27,918,643
Restricted cash and investments - funds held for others	4,256,930	3,912,513
Restricted cash and investments - capital commitments	33,196,206	29,534,286
Total cash and investments	$ 66,512,951	$ 61,365,442

The accompanying notes are an integral part of the financial statements.

Beaumont-Cherry Valley Water District

Statements of Cash Flows, Continued
For the Year Ended December 31, 2020 with Comparative Information for the year ended December 31, 2019

	2020	2019
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED BY OPERATING ACTIVITIES		
Operating income (loss)	$ (496,821)	$ (2,643,548)
Adjustments to reconcile operating income (loss) to net cash provided by operating activities:		
Depreciation expense	2,865,579	2,707,811
Construction in progress abandoned	108,688	-
Other income	78,187	3,328
Rental income	23,089	23,805
(Increase) decrease in accounts receivable	(878,745)	(70,194)
(Increase) decrease in notes receivable	38,125	11,728
(Increase) decrease in inventories	(202,143)	66,289
(Increase) decrease in prepaid items	(33,007)	(18,976)
(Increase) decrease in deferred outflows of resources	(242,677)	(51,836)
Increase (decrease) in accounts payable and other accrued liabilities	(28,061)	(124,428)
Increase (decrease) in customer account credit balances	258,791	(3,266)
Increase (decrease) in customer deposits payable	(54,155)	29,809
Increase (decrease) in unearned revenues	139,781	17,308
Increase (decrease) in compensated absences	14,080	27,671
Increase (decrease) in other post-employment benefit obligations	510,733	219,779
Increase (decrease) in net pension liability	265,493	248,900
Increase (decrease) in deferred inflows of resources	(90,931)	(48,074)
Total adjustments	2,772,827	3,039,654
Net cash provided by operating activities	$ 2,276,006	$ 396,106
Schedule of non-cash investing and capital and related financing activities		
Capital contributions - donated capital assets	$ -	$ 313,440

The accompanying notes are an integral part of the financial statements.

NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

A. Reporting Entity and Basis of Presentation

The Beaumont-Cherry Valley Water District (District) is a special-purpose government district supplying and distributing water to over 60,000 people in both the City of Beaumont and the community of Cherry Valley. The District is governed by a five-member Board of Directors who serve overlapping four-year terms. The financial statements of the District have been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP), as applied to enterprise funds. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles. The District solely operates as a special-purpose government which means it is only engaged in business-type activities; accordingly activities are reported in the District's proprietary fund.

B. Measurement Focus and Basis of Accounting

Proprietary fund financial statements are reported using the *economic resources measurement focus* and the *accrual basis of accounting*. Revenues are recorded when earned and expenses are recorded at the time liabilities are incurred, regardless of when the related cash flows take place. Non-exchange transactions, in which the District receives value without directly giving equal value in return, include grants, entitlements and donations. Revenue from grants, entitlements and donations are recognized in the fiscal year in which all eligibility requirements have been satisfied.

Proprietary funds distinguish *operating* revenues and expenses from *non-operating* items. Operating revenues and expenses generally result from providing services, and producing and delivering goods in connection with a proprietary fund's principal ongoing operations. The principal operating revenues of the District's proprietary fund is charges to customers for sales and services. Operating expenses include the costs of sales and services, the costs of employee benefits, maintenance of capital assets, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as non-operating revenues and expenses.

C. Cash and Cash Equivalents

The District's cash and investments are considered to be cash on hand, demand deposits and investments with maturities less than 90 days. Therefore, for purposes of the statement of cash flows, the District considers the cash and investment balance to be cash and cash equivalents.

NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

D. Restricted Cash and Investments

Restricted cash and investments are cash and investments that are segregated and can only be used for specific purposes. The District's restricted cash and investments consist of funds held for others, including refundable or prepaid customer deposits. The District also restricts cash and investments for capital commitments in the amount of developer capacity charges collected during the year to ensure that funds are set aside to provide for the expansion of the domestic and non-potable water system.

Please refer to *Note 2 - Cash and Investments* for additional details.

E. Inventories and Prepaid Items

Inventories are stated at cost using the average-cost method, and consist of materials used in construction and maintenance of the water system.

Certain payments to vendors reflect costs applicable to future accounting periods and are recorded as prepaid items. The costs of the prepaid items are recorded as expenses when consumed rather than when purchased.

F. Capital Assets

Capital assets purchased or constructed are carried at historical cost. Constructed costs include labor, materials and construction period interest expense (net of interest income, where applicable). The capitalization threshold is $5,000. Contributed assets are stated at estimated acquisition value at the time received by the District. Land and construction in progress are not depreciated. Depreciation on the other assets is calculated on the straight-line method over the following estimated useful lives of the assets:

Pump House Structures	25 to 40 years
Well Casings & Development	10 to 40 years
Pumping Equipment	10 to 50 years
Chlorinators	15 to 30 years
Reservoirs & Tanks	15 to 50 years
Telemetering Equipment	10 to 20 years
Transmission & Distribution Mains	40 to 75 years
Meters & Meter Services	10 to 15 years
Fire Hydrants	30 to 50 years
Structures & Improvements	10 to 75 years
Office Furniture & Equipment	3 to 20 years
Automobile Equipment:	
Vehicles	5 to 15 years
Heavy Equipment	7 to 15 years
Light Equipment	5 to 7 years
General Equipment	5 to 15 years

Please refer to *Note 5 - Capital Assets* for additional details.

NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

G. Unearned Revenues

Unearned revenues arise when resources are received by the District before revenues are earned, as when developers pay in advance for services to be provided by the District at a later date. When the District has provided the services, the associated amounts will be recognized as revenue.

Please refer to *Note 8 - Unearned Revenues* for additional details.

H. Compensated Absences

Vacation

The District's policy permits employees to accumulate earned but unused vacation benefits, which are eligible for payment upon separation from the District. The liability for such leave is reported as an expense when incurred.

Sick Leave

All full-time, regular employees not using any sick leave for twelve consecutive months can convert their twelve accrued 8-hour sick days to cash at the rate of two accrued days for 8 hours paid at their regular hourly rate. Upon retirement or death, all employees or their beneficiaries are entitled to receive a pay-out of 50% of all accumulated sick leave. Accumulated sick leave dissolves when employees separate from the District in any other manner.

Please refer to *Note 9 - Compensated Absences* for additional details.

I. Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

J. Uncollectible Accounts

The District provides an allowance for doubtful accounts for all accounts deemed uncollectible. Any unpaid debt is deemed a lien against the real property to which service is rendered in accordance with applicable law.

Please refer to *Note 3 - Accounts Receivable* for additional detail.

K. Use of Restricted Resources

When both restricted and unrestricted resources are available for use, it is the District's policy to use restricted resources first, and then unrestricted resources as they are needed.

NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

L. Credit/Market Risk

The District provides water services to local residents, commercial, industrial, irrigation and construction customers. As part of normal operating practices, credit is granted to residential, commercial, industrial, and irrigation customers on a secured basis and to construction customers on an unsecured basis.

M. Fair Value Measurement

The definition of *fair value* is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The District categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The fair value hierarchy, which has three levels, is based on the valuation inputs used to measure an asset's fair value: Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs. The District has no investments subject to the fair value hierarchy.

N. Pensions

For purposes of measuring the net pension liability and deferred outflows/inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the District's California Public Employees Retirement System (CalPERS) Plans and additions to/deductions from the plan's fiduciary net position have been determined on the same basis as they are reported by CalPERS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

Valuation Date	June 30, 2019
Measurement Date	June 30, 2020
Measurement Period	January 1 to December 31, 2020

O. Other Postemployment Benefits (OPEB)

For purposes of measuring the net OPEB liability, deferred outflows/inflows of resources related to OPEB, and OPEB expense, information about the fiduciary net position of the District's plan and additions to/deductions from the OPEB's Plan's fiduciary net position have been determined on the same basis. For this purpose, benefit payments are recognized when currently due and payable in accordance with the benefit terms. Investments are reported at fair value.

Valuation Date	June 30, 2020
Measurement Date	June 30, 2020
Measurement Period	January 1 to December 31, 2020

NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

P. Prior Year Data

Selected information regarding the prior year has been included in the accompanying financial statements. This information has been included for comparison purposes only and does not represent a complete presentation in accordance with generally accepted accounting principles. Accordingly, such information should be read in conjunction with the District's prior year financial statements from which this selected financial information was derived.

Q. Reclassifications

Certain reclassifications have been made to prior year's balance to conform to classifications used in 2020.

NOTE 2 – CASH AND INVESTMENTS

Cash and investments as of December 31 are classified in the accompanying financial statements as follows:

Description	2020	2019
Cash and investments	$ 29,059,815	$ 27,918,643
Restricted cash and investments - funds held for others	4,256,930	3,912,513
Restricted cash and investments - capital commitments	33,196,206	29,534,286
Total cash and investments	$ 66,512,951	$ 61,365,442

Cash and investments as of December 31 consist of the following:

Description	2020	2019
Cash on hand (petty cash and change drawers)	$ 1,400	$ 1,400
Demand deposits (cash in bank)	1,949,683	491,614
Investments	64,561,868	60,872,428
Total cash and investments	$ 66,512,951	$ 61,365,442

Investments Authorized by the California Government Code and the District's Investment Policy

The table below identifies the investment types that are authorized for the District by the California Government Code and the District's policy, where more restrictive. The table also identifies certain provisions of the California Government Code that address interest rate risk, credit risk, and concentration of credit risk.

NOTE 2 – CASH AND INVESTMENTS (Continued)

Authorized Investment Type	Maturity Limit	Maximum Specified % of Portfolio
Local Agency Bonds	5 years	None
US Treasury Obligations	5 years	None
State Obligations - CA and others	5 years	None
CA Local Agency Obligations	5 years	None
US Agency Obligations	5 years	None
Bankers Acceptances	180 days	40%
Commercial Paper - Pooled Funds	270 days	40% of the District's money
Commercial Paper - Non-Pooled Funds	270 days	25% of the District's money
Negotiable Certificates of Deposit	5 years	30%
Non-negotiable Certificates of Deposit	5 years	None
Placement Service Deposits	5 years	30%
Placement Service Certificates of Deposit	5 years	30%
Repurchase Agreements	1 year	None
Reverse Repurchase Agreements and Securities Lending Agreements	92 days	20% of the base value of the portfolio
Medium Term Notes	5 years	30%
Mutual Funds and Money Market Mutual Funds	N/A	20%
Collateralized Bank Deposits	5 years	None
Mortgage Pass-Through Securities	5 years	20%
County Pooled Investment Funds	N/A	None
Joint Powers Authority Pool	N/A	None
Local Agency Investment Fund (LAIF)	N/A	None
Voluntary Investment Program Fund	N/A	None
Supranational Obligations	5 years	30%

Disclosures Relating to Interest Rate Risk

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates.

The District's investment policy follows the California Government Code as it relates to limits on investment maturities as a means of managing exposure to fair value losses arising from increasing interest rates.

NOTE 2 – CASH AND INVESTMENTS (Continued)

The District's investments as of December 31, 2020 were as follows:

Investment Type	Fair Value	Maturity 12 Months or Less
CalTRUST	$ 36,871,343	$ 36,871,343
LAIF	27,690,525	27,690,525
Total investments	$ 64,561,868	$ 64,561,868

The District's investments as of December 31, 2019 were as follows:

Investment Type	Fair Value	Maturity 12 Months or Less
CalTRUST	$ 36,292,837	$ 36,292,837
LAIF	24,579,591	24,579,591
	$ 60,872,428	$ 60,872,428

Disclosures Relating to Credit Risk

Generally, credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. This is measured by the assignment of a rating by a nationally recognized statistical rating organization. The District's only investments are in LAIF and CalTRUST, both of which are unrated.

Concentration of Credit Risk

The investment policy of the District contains no limitations on the amount that can be invested in any one issuer beyond that stipulated by the California Government Code.

Custodial Credit Risk

Custodial credit risk for *deposits* is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover its deposits or will not be able to recover collateral securities that are in the possession of an outside party. The custodial credit risk for *investments* is the risk that, in the event of the failure of the counterparty (e.g., broker-dealer) to a transaction, a government will not be able to recover the value of its investment or collateral securities that are in the possession of another party. The California Government Code and the District's investment policy do not contain legal or policy requirements that would limit the exposure to custodial credit risk for deposits or investments, other than the following provision for deposits: The California Government Code requires that a financial institution secure deposits made by state or local governmental units by pledging securities in an undivided collateral pool held by a depository regulated under state law (unless so waived by the governmental unit). The market value of the pledged securities in the collateral pool must equal at least 110 percent of the total amount deposited by the public agencies.

NOTE 2 – CASH AND INVESTMENTS (Continued)

Custodial Credit Risk (Continued)

California law also allows financial institutions to secure deposits by pledging first trust deed mortgage notes having a value of 150 percent of the secured public deposits. The District may waive collateral requirements for deposits which are fully insured by federal depository insurance.

As of December 31, 2020 and 2019, the District had deposits with financial institutions of $1,713,041 and $274,521, respectively, in excess of federal depository insurance limits and subject to custodial credit risk as described above.

Investment in State Investment Pool

The District is a voluntary participant in the Local Agency Investment Fund (LAIF) that is regulated by California Government Code Section 16429 under the oversight of the Treasurer of the State of California. LAIF is a governmental investment pool managed and directed by the California State Treasurer and is not registered with the Securities and Exchange Commission. An oversight committee comprised of California State officials and various participants provide oversight to the management of the fund. The daily operations and responsibilities of LAIF fall under the auspices of the State Treasurer's office. The fair value of the District's investment in this pool is reported in the accompanying financial statements, at amounts based upon the District's pro-rata share of the fair value provided by LAIF, for the entire LAIF portfolio (in relation to the amortized cost of that portfolio). The balance available for withdrawal is based on the accounting records maintained by LAIF, which are recorded on an amortized cost basis. Accordingly, under the fair value hierarchy, the measurement of the District's investment is based on uncategorized inputs not defined as Level 1, Level 2, or Level 3 inputs. Further information about LAIF is available on the California State Controller's website: www.treasurer.ca.gov/pmia-laif/.

CalTRUST

The District is a voluntary participant in CalTRUST, a Joint Exercise Powers Agreement of the Investment Trust of California. The principal executive office is located at 1100 K Street, Suite 1010, Sacramento, California 95814. CalTRUST is subject to the California Joint Exercise of Powers Act. Each participant in CalTRUST must be a California Public Agency. The purpose of CalTRUST is to consolidate investment activities of its participants and thereby reduce duplication, achieve economies of scale and carry out coherent and consolidated investment strategies through the issuance of shares of beneficial interest in investments purchased by CalTRUST.

The two funds the District has invested in are the short-term and medium-term fund. The short-term fund has a targeted portfolio duration of 0 to 2 years and medium-term fund has a targeted portfolio duration of 1 ½ to 3 ½ years. Investment strategies are to attain as high as a level of current income as is consistent with the preservation of principal.

NOTE 2 – CASH AND INVESTMENTS (Continued)

CalTRUST (Continued)

The fair value of the District's investment in CalTRUST is based upon the net asset value (NAV) of shares held by the District at year-end. The net asset value per share is computed by dividing the total value of the securities and other assets, less any liabilities, by the total outstanding shares. Liabilities include all accrued expenses and fees, including expenses of the trust.

The fair value of CalTRUST portfolio securities is determined on the basis of the market value of such securities, or, if market quotations are not readily available, at fair value under the guidelines established by the trustees. Investments with short remaining maturities may be valued at amortized cost which the CalTRUST Board has determined to equal fair value.

NOTE 3 – ACCOUNTS RECEIVABLE

Water Sales and Services are reported net of uncollectible amounts based on actual collections as of the date of the statements. The General Manager or their designee is authorized to file a lien against real property serviced with the Assessor-Clerk-Recorder of the County of Riverside for any charges 60 days past due. The amount of charges of unpaid bills are included as a lien against the debtor's property until the unpaid charges are collected and the account is brought current. Other receivables, those billings outside of the normal water sales and services billings, include items such as damages to District property and rental of District property. Amounts not expected to be collected within the next year have been included in the allowance for uncollectible accounts. Developer receivables are those receivables due from developers for development activity that has exceeded deposits collected to-date. The amount included in the allowance for uncollectible accounts is an estimate based on other refundable accounts held for the developer that the District feels they can use to negotiate settlement on balances due to the District. Amounts are aggregated into a single accounts receivable (net of allowance for uncollectible) amount on the financial statements.

The detail of the receivables, including applicable allowances for uncollectible amounts as of December 31, 2020 is as follows:

	Water Sales and Services	Other	Developer	Total
Receivables	$ 3,056,686	$ 115,878	$ 653,192	$ 3,825,756
Less: allowance for uncollectible accounts	-	-	(269,190)	(269,190)
Net receivables	$ 3,056,686	$ 115,878	$ 384,002	$ 3,556,566

NOTE 3 – ACCOUNTS RECEIVABLE (Continued)

On March 4, 2020, the Governor's Office issued executive order N-42.20. This order prohibits water agencies from discontinuing water service for non-payment (both residential and businesses). The order explicitly states that "nothing in this Order eliminates the obligation of water customers to pay for water service, prevents a water system from charging a customer for such service, or reduces the amount a customer already may owe to a water system." Since the District has the power to lien properties for delinquent payments once N-42.20 is lifted, it feels water sales and services receivables will be fully collected.

The detail of the receivables, including applicable allowances for uncollectible amounts, as of December 31, 2019 is as follows:

	Water Sales and Services	Other	Developer	Total
Receivables	$ 2,366,044	$ 16,189	$ 564,778	$ 2,947,011
Less: allowance for uncollectible accounts	-	-	(269,190)	(269,190)
Net receivables	$ 2,366,044	$ 16,189	$ 295,588	$ 2,677,821

NOTE 4 – NOTES RECEIVABLE

In 2003, the Bonita Vista Mutual Water Company (Bonita Vista) started the annexation process to join the District. The annexation agreement called for the District to install a new water delivery system. The property owners/shareholders in Bonita Vista were responsible for 1/100th of the costs of construction of the new system, at $5,500 per meter. The notes are payable over 20 years at a variable interest rate calculated annually at 1.5 percent above the LAIF interest rate. The notes are due to mature as of February 15, 2028.

The District has entered into various agreements with the developers of the Fairway Canyon Community Association (Fairway Canyon) for payment of the new water component of the water main extension and capacity charges. The notes are payable over 10 years at an annual interest rate of 10 percent.

NOTE 4 – NOTES RECEIVABLE (Continued)

Amounts due from Bonita Vista and Fairway Canyon are separated into current and non-current portions on the *Statement of Net Position*.

The detail of the notes, including applicable allowances for uncollectible amounts as of December 31, 2020 is as follows:

	Notes Receivable	Restricted Notes Receivable	
	Bonita Vista	Fairway Canyon	Total
Current	$ 4,677	$ 60,694	$ 65,371
Non-current	26,458	407,596	434,054
Total notes receivable	$ 31,135	$ 468,290	$ 499,425

The detail of the notes, including applicable allowances for uncollectible amounts as of December 31, 2019 is as follows:

	Notes Receivable	Restricted Notes Receivable	
	Bonita Vista	Fairway Canyon	Total
Current	$ 8,446	$ 55,176	$ 63,622
Non-current	60,814	468,290	529,104
Total notes receivable	$ 69,260	$ 523,466	$ 592,726

NOTE 5 – CAPITAL ASSETS

The following table summarizes capital asset activity during the year ended December 31, 2020:

	Beginning Balance	Additions	Deletions	Transfers	Ending Balance
Capital assets, not being depreciated					
Land	$ 7,721,730	$ -	$ -	$ -	$ 7,721,730
Construction in progress	1,505,184	1,888,300	(108,688)	(1,373,183)	1,911,613
Total capital assets, not being depreciated	9,226,914	1,888,300	(108,688)	(1,373,183)	9,633,343
Capital assets, being depreciated:					
Transmission and distribution system	83,658,136	-	-	846,068	84,504,204
Structures and improvements	17,941,928	56,176	-	126,143	18,124,247
Reservoirs and tanks	22,546,667	-	-	-	22,546,667
Pumping and telemetry equipment	13,397,727	-	-	393,574	13,791,301
Vehicles and equipment	2,458,794	8,256	-	7,398	2,474,448
Total capital assets, being depreciated	140,003,252	64,432	-	1,373,183	141,440,867
Less accumulated depreciation for:					
Transmission and distribution system	(17,779,310)	(1,516,784)	-	-	(19,296,094)
Structures and improvements	(4,427,061)	(316,037)	-	-	(4,743,098)
Reservoirs and tanks	(6,798,014)	(485,051)	-	-	(7,283,065)
Pumping and telemetry equipment	(3,881,330)	(302,067)	-	-	(4,183,397)
Vehicles and equipment	(1,707,568)	(245,640)	-	-	(1,953,208)
Total accumulated depreciation	(34,593,283)	(2,865,579)	-	-	(37,458,862)
Total capital assets, being depreciated, net	105,409,969	(2,801,147)	-	1,373,183	103,982,005
Capital assets, net of depreciation	$ 114,636,883	$ (912,847)	$ (108,688)	$ -	$ 113,615,348

NOTE 5 – CAPITAL ASSETS (Continued)

The following table summarizes capital asset activity during the year ended December 31, 2019:

	Beginning Balance	Additions	Deletions	Transfers	Ending Balance
Capital assets, not being depreciated					
Land	$ 7,721,730	$ -	$ -	$ -	$ 7,721,730
Construction in progress	988,172	1,842,861	-	(1,325,849)	1,505,184
Total capital assets, not being depreciated	8,709,902	1,842,861	-	(1,325,849)	9,226,914
Capital assets, being depreciated:					
Transmission and distribution system	82,504,147	319,666	-	834,323	83,658,136
Structures and improvements	17,941,928	-	-	-	17,941,928
Reservoirs and tanks	22,546,667	-	-	-	22,546,667
Pumping and telemetry equipment	13,146,242	-	-	251,485	13,397,727
Vehicles and equipment	2,395,514	7,908	(184,669)	240,041	2,458,794
Total capital assets, being depreciated	138,534,498	327,574	(184,669)	1,325,849	140,003,252
Less accumulated depreciation for:					
Transmission and distribution system	(16,338,776)	(1,440,534)	-	-	(17,779,310)
Structures and improvements	(4,112,968)	(314,093)	-	-	(4,427,061)
Reservoirs and tanks	(6,312,140)	(485,874)	-	-	(6,798,014)
Pumping and telemetry equipment	(3,625,591)	(255,739)	-	-	(3,881,330)
Vehicles and equipment	(1,680,666)	(211,571)	184,669	-	(1,707,568)
Total accumulated depreciation	(32,070,141)	(2,707,811)	184,669	-	(34,593,283)
Total capital assets, being depreciated, net	106,464,357	(2,380,237)	-	1,325,849	105,409,969
Capital assets, net of depreciation	$ 115,174,259	$ (537,376)	$ -	$ -	$ 114,636,883

NOTE 6 – ACCOUNTS PAYABLE AND OTHER ACCRUED LIABILITIES

Accounts payable and other accrued liabilities as of December 31 were as follows:

Description	2020	2019
Accounts payable	$ 476,953	$ 536,197
Salaries and employee benefits	120,941	92,521
Other	33,438	30,675
Total accounts payable and other accrued liabilities	$ 631,332	$ 659,393

NOTE 7 – CUSTOMER ACCOUNT CREDIT BALANCES

Credit balances on customer utility accounts are to be used against future billings or refunded upon request. As of December 31, 2020 and 2019, the balance was $436,703 and $177,912, respectively.

NOTE 8 – UNEARNED REVENUES

Developers make payments in advance of the District providing services, including items such as meter installations, development plan checks and development inspections. As the District provides these services, revenues are recognized and the unearned revenues balance is reduced. As of December 31, 2020 and 2019, the balance was $3,375,565 and $3,235,784, respectively.

NOTE 9 – COMPENSATED ABSENCES

Compensated absences comprise unpaid vacation, sick, holiday and administrative leave, which is accrued as earned. The liability for compensated absences is determined annually.

The activity for the year ended December 31, 2020 was as follows:

Beginning Balance	Additions	Deletions	Ending Balance	Current Portion	Non-current Portion
$ 341,844	$ 316,280	$ (302,200)	$ 355,924	$ 243,541	$ 112,383

The activity for the year ended December 31, 2019 was as follows:

Beginning Balance	Additions	Deletions	Ending Balance	Current Portion	Non-current Portion
$ 314,173	$ 290,601	$ (262,930)	$ 341,844	$ 242,037	$ 99,807

NOTE 10 – OTHER POST-EMPLOYMENT BENEFITS OBLIGATION

A. Plan Description

The District pays a portion of the cost of health insurance (including prescription drug benefits) as post-employment benefits to retired employees who satisfy the eligibility rules as required by CalPERS Health Program enrollment. The current District contribution is fixed at $474 per month. Spouses and surviving spouses are also eligible to receive benefits. Retirees may enroll in any medical plan available through the District's CalPERS Health Program, a cost-sharing multiple-employer medical coverage plan. The contribution requirements of eligible retired employees and the District are established and may be amended by the Board of Directors.

NOTE 10 – OTHER POST-EMPLOYMENT BENEFITS OBLIGATION (Continued)

B. Employees Covered

As of the June 30, 2020 measurement date, the following numbers of participants were covered by the benefit terms under the Plan:

Active employees	36
Inactive employees or beneficiaries currently receiving benefits	5
Inactive employees entitled to, but not yet receiving benefits	-
Total	41

C. Funding Policy

The District funds the Plan on a pay-as-you-go basis. There are no assets accumulated in a qualifying trust to pay related benefits.

D. Total OPEB Liability

The District's total OPEB liability was measured as of June 30, 2020 and the total OPEB liability used to calculate the total OPEB liability was determined by an actuarial valuation dated June 30, 2020, based on the following actuarial methods and assumptions:

Actuarial Assumptions	June 30, 2020 Measurement Date
Actuarial Valuation Date	June 30, 2020
Contribution Policy	No pre-funding
Discount Rate	2.21% at June 30, 2020 3.50% at June 30, 2019
General Inflation	2.75% annually
Mortality, Retirement, Disability, Termination	Based on CalPERS 1997-2015 Experience Study
Salary increases	3.00%
Medical Trend	Non-Medicare – 7.0% for 2022, decreasing to an ultimate rate of 4.0% in 2076 and later Non-Kaiser Medicare – 6.1% for 2022, decreasing to an ultimate rate of 4% in 2076 Kaiser Medicare – 5.0% for 2022, decreasing to an ultimate rate of 4.0% in 2076 and later
Mortality Improvement	Mortality projected fully generational with Scale MP-2020

NOTE 10 – OTHER POST-EMPLOYMENT BENEFITS OBLIGATION (Continued)

D. Total OPEB Liability (Continued)

Change in Assumptions

The discount rate changed from 3.50 percent in 2019 to 2.21 percent in 2020.

E. Discount Rate

A discount rate of 2.21 percent was used in the valuation for measurement date June 30, 2020.

F. Changes in the OPEB Liability

The changes in the total OPEB liability for the Plan are as follows:

	Total OPEB Liability
Balance at December 31, 2019 (6/30/19 measurement date)	$1,550,636
Changes recognized for the measurement period:	
Service cost	116,929
Interest	57,750
Differences between expected and actual experience	22,597
Changes in assumptions	348,579
Contributions – employer	-
Net investment income	-
Benefit payments	(35,122)
Administrative expense	-
Net changes	510,733
Balance at December 31, 2020 (6/30/20 measurement date)	$2,061,369

Sensitivity of the Total OPEB Liability to Changes in the Discount Rate

The following represents the total OPEB liability of the District if it were calculated using a discount rate that are one percentage point lower or one percentage point higher than the current rate, for measurement period ended June 30, 2020:

December 31, 2020 (measurement date June 30, 2020)

	1% Decrease (1.21%)	Current Discount Rate (2.21%)	1% Increase (3.21%)
Total OPEB Liability	$2,458,210	$2,061,369	$1,750,906

NOTE 10 – OTHER POST-EMPLOYMENT BENEFITS OBLIGATION (Continued)

G. Sensitivity of the Total OPEB Liability to Changes in the Discount Rate (Continued)

December 31, 2019 (measurement date June 30, 2019)

	1% Decrease (2.50%)	Current Discount Rate (3.50%)	1% Increase (4.50%)
Total OPEB Liability	$ 1,837,720	$1,550,636	$ 1,323,832

H. Sensitivity of the Total OPEB Liability to Changes in the Health Care Trend Rates

The following represents the total OPEB liability of the District if it were calculated using healthcare costs trend rates that are one percentage point lower or one percentage point higher than the current rate, for measurement period ended June 30, 2020:

December 31, 2020 (measurement date June 30, 2020)

	1% Decrease	Current Healthcare Cost Trend Rates	1% Increase
Total OPEB Liability	$ 1,846,281	$2,061,369	$ 2,420,280

December 31, 2019 (measurement date June 30, 2019)

	1% Decrease	Current Healthcare Cost Trend Rates	1% Increase
Total OPEB Liability	$ 1,389,126	$1,550,636	$ 1,819,476

I. OPEB Plan Fiduciary Net Position

As the District is not prefunding with an OPEB trust, Plan Fiduciary Net Position was $0 at June 30, 2020 measurement date. The District does not have assets accumulated in a trust that meets the criteria of GASB 75 to pay related benefits.

Recognition of Deferred Outflows and Deferred Inflows of Resources

Gains and losses related to changes in total OPEB liability and fiduciary net position are recognized in OPEB expense systematically over time. Amounts are first recognized in OPEB expense for the year the gain or loss occurs. The remaining amounts are categorized as deferred outflows and deferred inflows of resources related to OPEB and are to be recognized in future OPEB expense. The net difference between projected and actual earnings on OPEB plan investments is amortized over the expected average remaining service lifetime (EARSL) of plan participants.

NOTE 10 – OTHER POST-EMPLOYMENT BENEFITS OBLIGATION (Continued)

J. *OPEB Expense and Deferred Outflows /Inflows of Resources Related to OPEB*

For the fiscal year ended December 31, 2020, the District recognized OPEB expense of $209,630. As of fiscal year ended December 31, 2020 and December 31, 2019, the District reported deferred outflows and inflows related to OPEB from the following sources:

December 31, 2020 (measurement date June 30, 2020)

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	$ 20,615	$ -
Changes in assumptions	392,497	(47,586)
Contributions to OPEB plan subsequent to the measurement date	18,272	-
Total	**$ 431,384**	**$ (47,586)**

December 31, 2019 (measurement date June 30, 2019)

	Deferred Outflows of Resources	Deferred Inflows of Resources
Changes in assumptions	$ 82,255	$ (53,119)
Contributions to OPEB plan subsequent to the measurement date	17,638	-
Total	**$ 99,893**	**$ (53,119)**

The $18,272 reported as deferred outflows of resources related to contributions subsequent to the June 30, 2020 measurement date will be recognized as a reduction of the net OPEB liability during the upcoming fiscal year. Other amounts reported as deferred outflows or inflows of resources related to OPEB will be recognized as expense as follows:

Fiscal Year Ended December 31	Deferred Outflows/(Inflows) of Resources
2021	$ 34,786
2022	34,786
2023	34,786
2024	34,786
2025	34,786
Thereafter	191,596

NOTE 11 – NET POSITION

	December 31, 2020	December 31, 2019
Net Position:		
Net investment in capital assets	$ 113,615,348	$ 114,636,883
Restricted	33,664,496	30,057,752
Unrestricted	29,160,218	27,472,086
Total net position	$ 176,440,062	$ 172,166,721

Net investment in capital assets is the value of the District's capital assets, less accumulated depreciation.

Unrestricted net position includes non-spendable assets and spending designations set by the Board of Directors:

	December 31, 2020	December 31, 2019
Unrestricted Net Position:		
Nonspendable assets:		
Inventories	$ 922,971	$ 720,828
Prepaid items	247,605	214,598
Non-current portion of notes receivable	26,458	60,814
Total nonspendable items	1,197,034	996,240
Board of Directors' Designations:		
Capital replacement reserve	21,593,977	20,742,568
Operating reserve	3,980,754	3,583,299
Emergency reserve	2,388,453	2,149,979
Total designations	27,963,184	26,475,846
Total unrestricted net position	$ 29,160,218	$ 27,472,086

NOTE 12 – DEFINED BENEFIT PENSION PLAN

A. General Information about the Pension Plan

Plan Description

All qualified permanent and probationary employees are eligible to participate in the Public Agency Cost-Sharing Multiple-Employer Defined Benefit Pension Plan (Plan or PERF C) administered by the California Public Employees' Retirement System (CalPERS.) The Plan consists of a miscellaneous pool and a safety pool (also referred to as "risk pools"), which are comprised of individual employer miscellaneous and safety valuation rate plans, respectively. Plan assets may be used to pay benefits for any employer rate plan of the safety and miscellaneous pools. Accordingly, rate plans within the safety or miscellaneous pools are not separate plans under generally accepted accounting principles. Individual employers may sponsor more than one rate plan in the miscellaneous or safety risk pools. The District sponsors two miscellaneous rate plans. Benefit provisions under the Plan are established by State statute and District resolution. CalPERS issues publicly available reports that include a full description of the pension plan regarding benefit provisions, assumptions and membership information that can be found on the CalPERS' website, at www.calpers.ca.gov.

Benefits Provided

CalPERS provides service retirement and disability benefits, annual cost of living adjustments and death benefits to plan members, who must be public employees and beneficiaries. Benefits are based on years of credited service, equal to one year of full time employment. Members with five years of total service are eligible to retire at age 50 with statutorily reduced benefits. All members are eligible for non-duty disability benefits after 5 years of service. The death benefit is one of the following: the Basic Death Benefit, the 1957 Survivor Benefit, or the Optional Settlement 2W Death Benefit. The cost of living adjustments for each plan are applied as specified by the Public Employees' Retirement Law.

The Plan operates under the provisions of the California Public Employees' Retirement Law (PERL), the California Public Employees' Pension Reform Act of 2013 (PEPRA), and the regulations, procedures and policies adopted by the CalPERS Board of Administration. The Plan's authority to establish and amend the benefit terms are set by the PERL and PEPRA, and may be amended by the California state legislature and in some cases require approval by the CalPERS Board.

The Plan's provisions and benefits in effect at December 31, 2020 are summarized as follows:

Hire date	Prior to January 1, 2013	On or after January 1, 2013
Benefit formula	2.7% @ 55	2% @ 62
Benefit vesting schedule	5 years of service	5 years of service
Benefit payments	monthly for life	monthly for life
Retirement age	50 - 60	52 - 62
Monthly benefits, as a % of eligible compensation	2.0% to 3.0%	1.0% to 2.0%
Required employee contribution rates	8.0%	7.5%
Required employer contribution rates	16.045%	8.239%

NOTE 12 – DEFINED BENEFIT PENSION PLAN (Continued)

A. General Information about the Pension Plan (Continued)

All other actuarial assumptions used in the June 30, 2019 valuation were based on the results of an actuarial experience study for the period from 1997 to 2015, including updates to salary increase, mortality and retirement rates. The Experience Study report can be obtained at CalPERS' website, at www.calpers.ca.gov.

Contributions

Section 20814(c) of the California Public Employees' Retirement Law (PERL) requires that the employer contribution rates for all public employers be determined on an annual basis by the actuary and shall be effective on the July 1 following notice of a change in the rate. The total plan contributions are determined through CalPERS' annual actuarial valuation process. For public agency cost-sharing plans covered by either the Miscellaneous or Safety risk pools, the Plan's actuarially determined rate is based on the estimated amount necessary to pay the Plan's allocated share of the risk pool's costs of benefits earned by employees during the year, and any unfunded accrued liability. The employer is required to contribute the difference between the actuarially determined rate and the contribution rate of employees. Employer contribution rates may change if plan contracts are amended. Payments made by the employer to satisfy contribution requirements that are identified by the pension plan terms as plan member contribution requirements are classified as plan member contributions. Employer Contributions to the Plan for the fiscal year ended December 31, 2020 were $316,818.

B. Net Pension Liability

The District's net pension liability for the Plan is measured as the total pension liability, less the pension plan's fiduciary net position. The net pension liability is measured as of June 30, 2020, using an annual actuarial valuation as of June 30, 2019 rolled forward to June 30, 2020 using standard update procedures. A summary of principal assumptions and methods used to determine the net pension liability is as follows.

NOTE 12 – DEFINED BENEFIT PENSION PLAN (Continued)

B. Net Pension Liability (Continued)

Actuarial Methods and Assumptions Used to Determine Total Pension Liability

Valuation Date	June 30, 2019	June 30, 2018
Measurement Date	June 30, 2020	June 30, 2019
Actuarial Cost Method	Entry Age Normal	Entry Age Normal
Asset Valuation Method	Market Value of Assets	Market Value of Assets
Actuarial Assumptions:		
Discount Rate	7.15%	7.15%
Inflation	2.50%	2.50%
Salary Increases	Varies by entry age and service	3.3% - 14.2%
Mortality Rate Table (1)	Derived using CalPERS' membership data for all Funds	Derived using CalPERS' membership data for all Funds
Post Retirement Benefit Increase	Contract COLA up to 2.50% until purchasing power protection allowance floor on purchasing power applies, 2.50% thereafter	Contract COLA up to 2.0% until purchasing power protection allowance floor on purchasing power applies, 2.5% thereafter

(1) The mortality table used was developed based on CalPERS' specific data. The probabilities of mortality are based on the 2017 CalPERS Experience Study for the period from1997 to 2015. Pre-retirement and Post-retirement rates include 15 years of mortality improvement using 90% of Scale MP-2016 published by the Society of Actuaries. For more details on this table, please refer to the CalPERS Experience Study and Review of Actuarial Assumptions report from December 2017 that can be found on the CalPERS website.

All other actuarial assumptions used in the June 30, 2017 valuation were based on the results of an actuarial experience study for the period from 1997 to 2015, including updates to salary increase, mortality and retirement rates. The Experience Study report can be obtained at CalPERS' website, at www.calpers.ca.gov.

Long-term Expected Rate of Return

The long-term expected rate of return on pension plan investments was determined using a building-block method in which expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class.

NOTE 12 – DEFINED BENEFIT PENSION PLAN (Continued)

B. Net Pension Liability (Continued)

In determining the long-term expected rate of return, CalPERS took into account both short-term and long-term market return expectations as well as the expected pension fund cash flows. Using historical returns of all the funds' asset classes, expected compound (geometric) returns were calculated over the short-term (first 10 years) and the long-term (11+ years) using a building-block approach. Using the expected nominal returns for both short-term and long-term, the present value of benefits was calculated for each fund. The expected rate of return was set by calculating the rounded single equivalent expected return that arrived at the same present value of benefits for cash flows as the one calculated using both short-term and long-term returns. The expected rate of return was then set equal to the single equivalent rate calculated above and adjusted to account for assumed administrative expenses.

The expected real rates of return by asset class are as follows:

Asset Class[1]	New Strategic Allocation	Real Return Years 1 - 10[2]	Real Return Years 11+[3]
Global Equity	50.0%	4.80%	5.98%
Global Fixed Income	28.0%	1.00%	2.62%
Inflation Sensitive	-	0.77%	1.81%
Private Equity	8.0%	6.30%	7.23%
Real Estate	13.0%	3.75%	4.93%
Liquidity	1.0%	-	(0.92%)
Total	100%		

[1] In the Systems financial statements, fixed income is included in Global Debt Securities; Liquidity is included in Short-term Invesments; Inflation Assets are included in both Global Equity Securities and Global Debt Securities.

[2] An expected inflation of 2.5% used for this period

[3] An expected inflation of 3.0% used for this period

Change of Assumptions

In 2020, for the 2019 actuarial valuation, a new amortization policy came into effect shortening the period over which actuarial gains and losses are amortized from 30 years to 20 years with the payments computed as a level dollar amount. A five-year ramp-up and ramps-down on UAL bases attributable to assumption changes and non-investment gain and losses is no longer utilized and a five-year ramp-down on investment gains/losses is also not utilized.

In 2019, there were no changes to the discount rate.

NOTE 12 – DEFINED BENEFIT PENSION PLAN (Continued)

B. Net Pension Liability (Continued)

Discount Rate

The discount rate used to measure the total pension liability for PERF C was 7.15%. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the current member contribution rates and that contributions from employers will be made at statutorily required rates, actuarially determined. Based on those assumptions, the Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Pension Plan Fiduciary Net Position

Information about the pension plan's assets, deferred outflows of resources, liabilities, deferred inflows of resources, and fiduciary net position are presented in CalPERS' audited financial statements, which are publicly available reports that can be obtained at CalPERS' website, at www.calpers.ca.gov.

C. Proportionate Share of Net Pension Liability

The following table shows the District's proportionate share of the net pension liability over the measurement period.

	Increase (Decrease) Net Pension Liability
Balance at: 6/30/2019 (Valuation Date)	$ 2,328,743
Balance at: 6/30/2020 (Measurement Date)	$ 2,594,236
Net Changes during 2019-20	$ 265,493

The District's proportion of the net pension liability was determined by CalPERS using the output from the Actuarial Valuation System and the fiduciary net position, as provided in the CalPERS Public Agency Cost-Sharing Allocation Methodology Report, which is a publicly available report that can be obtained at CalPERS' website, at www.calpers.ca.gov. The District's proportionate share of the net pension liability for the Plan as of the June 30, 2019 and 2020 measurement dates was as follows:

December 31, 2020	
Proportionate Share - December 31, 2019 (measurement date June 30, 2019)	0.022726%
Proportionate Share - December 31, 2020 (measurement date June 30, 2020)	0.023843%
Change - Increase (Decrease)	0.001117%

NOTE 12 – DEFINED BENEFIT PENSION PLAN (Continued)

C. Proportionate Share of Net Pension Liability (Continued)

December 31, 2019	
Proportionate Share - December 31, 2018 (measurement date June 30, 2018)	0.021583%
Proportionate Share - December 31, 2019 (measurement date June 30, 2019)	0.022726%
Change - Increase (Decrease)	0.001143%

Sensitivity of the Proportionate Share of the Net Pension Liability to Changes in the Discount Rate

The following presents the District's proportionate share of the net pension liability of the Plan as of the measurement date, calculated using the discount rate of 7.15 percent, as well as what the net pension liability would be if it were calculated using a discount rate that is 1 percentage-point lower (6.15 percent) or 1 percentage-point higher (8.15 percent) than the current rate:

December 31, 2020

	Discount Rate - 1% (6.15%)	Current Discount Rate (7.15%)	Discount Rate + 1% (8.15%)
Plan's Net Pension Liability	$ 4,281,446	$ 2,594,236	$ 1,200,147

December 31, 2019

	Discount Rate - 1% (6.15%)	Current Discount Rate (7.15%)	Discount Rate + 1% (8.15%)
Plan's Net Pension Liability	$ 3,858,716	$ 2,328,743	$ 1,065,860

Subsequent Events

There were no subsequent events that would materially affect the results presented in this disclosure.

D. Pension Expense and Deferred Outflows and Deferred Inflows of Resources Related to Pensions

As of the start of the measurement period (July 1, 2019), the District's net pension liability was $2,328,743. For the measurement period ending June 30, 2020 (the measurement date), the District incurred a pension expense/(income) of $428,348.

NOTE 12 – DEFINED BENEFIT PENSION PLAN (Continued)

D. Pension Expense and Deferred Outflows and Deferred Inflows of Resources Related to Pensions (Continued)

As of December 31, 2020 and 2019, the District has deferred outflows and deferred inflows of resources related to pensions as follows:

December 31, 2020

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences Between Expected and Actual Experience	$ 133,689	$ -
Changes of Assumptions	-	(18,503)
Difference Between Projected and Actual Earnings on Pension Plan Investments	77,066	-
Change in Employer's Proportion	160,412	-
Difference in Actual vs Projected Contributions	10,457	(12,895)
Pension Contributions Subsequent to Measurement Date	159,438	-
Total	**$ 541,062**	**$ (31,398)**

December 31, 2019

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences Between Expected and Actual Experience	$ 161,741	$ (12,532)
Changes of Assumptions	111,043	(39,364)
Net Difference Between Projected and Actual Earnings on Pension Plan Investments	-	(40,714)
Change in Employer's Proportion	167,416	-
Difference in Actual vs Projected Contributions	22,040	(24,186)
Pension Contributions Subsequent to Measurement Date	167,636	-
Total	**$ 629,876**	**$ (116,796)**

NOTE 12 – DEFINED BENEFIT PENSION PLAN (Continued)

D. Pension Expense and Deferred Outflows and Deferred Inflows of Resources Related to Pensions (Continued)

The amounts above are net of outflows and inflows recognized in the 2019-20 measurement period expense. Contributions subsequent to the measurement date of $159,438 reported with deferred outflows of resources will be recognized as a reduction of the net pension liability in the upcoming fiscal year. Other amounts reported as deferred outflows and deferred inflows of resources related to pensions will be recognized in future pension expense as follows:

Fiscal Year Ended December 31:	Deferred Outflows/(Inflows) of Resources
2021	$ 105,072
2022	127,139
2023	81,052
2024	36,963
2025	-

E. Payable to the Pension Plan

At December 31, 2020, the District reported a payable of $0 for the outstanding amount of contributions to the pension plan required for the year the ended.

NOTE 13 – COMMITMENTS

In 2004, the Beaumont Basin Watermaster (Watermaster) was created to manage the groundwater excavations, replenishment thereof, and storage of supplemental water within the Beaumont Basin. The Watermaster consists of representatives from the Beaumont-Cherry Valley Water District, the City of Banning, the City of Beaumont, the South Mesa Water Company, and the Yucaipa Valley Water District. The District is a member agency of the Watermaster and contributes a varied annual amount to the Watermaster to fund its operations. For the years ended December 31, 2020 and 2019, the District contributed $42,354 and $25,171, respectively.

NOTE 14 – CONTINGENCIES

In the ordinary course of operations, the District is subject to claims and litigation from outside parties. After consultation with legal counsel, the District believes the ultimate outcome of such matters, if any, will not have a material adverse effect on the financial position of the District.

NOTE 15 – RISK MANAGEMENT

The District is exposed to various risks of loss related to torts, theft of, damage to and destruction of assets; errors and omissions; injuries to employees; and natural disasters. The District is a member of the Association of California Water Agencies/Joint Powers Insurance Authority (ACWA/JPIA), an intergovernmental risk sharing joint powers authority created to provide self-insurance programs for California water agencies. The purpose of the ACWA/JPIA is to arrange and administer programs of self-insured losses and to purchase excess insurance coverage. At December 31, 2020, the District participated in the liability, property, and workers' compensation programs of the ACWA/JPIA as follows:

- General and auto liability, public officials, employees, and authorized volunteers against third-party losses arising out of liability imposed by law or assumed by contract. Total risk financing limits of $2,000,000, combined single limit at $2,000,000 per occurrence. The District purchased additional excess coverage layers: $60 million for general, auto and public officials liability, which increases the limits on the insurance coverage noted above.

In addition to the above, the District also has the following insurance coverage:

- Employee dishonesty coverage up to $100,000 per loss includes public employee dishonesty, forgery or alteration and theft, computer fraud, disappearance and destruction coverages, subject to a $1,000 deductible per occurrence.
- Property loss is paid at the replacement cost for property on file, if replaced within two years after the loss, otherwise paid on an actual cash value basis, to a combined total of $100 million per occurrence, subject to a $1,000 deductible per occurrence. Mobile equipment and vehicles have a $1,000 deductible and $500 deductible per occurrence, respectively.
- Boiler and machinery coverage for the replacement cost up to $100 million per occurrence, subject to various deductibles depending on the type of equipment.
- Workers' compensation insurance up to California statutory limits for all work related injuries/illnesses covered by California law.

Settled claims have not exceeded any of the coverage amounts in any of the last three fiscal years and there was no reduction in the District's insurance coverage during the year ended December 31, 2020. Liabilities are recorded when it is probable that a loss has been incurred and the amount of the loss can be reasonably estimated net of the respective insurance coverage.

NOTE 16 – COVID-19 CONSIDERATIONS

On March 11, 2020, the World Health Organization declared the novel strain of coronavirus (COVID-19) a global pandemic and recommended containment and mitigation measures worldwide causing business disruptions through mandated and voluntary closings of businesses. While the disruption is currently expected to be temporary, there is considerable uncertainty around the duration of the closings. However, the related financial impact on the District and the duration cannot be estimated at this time.

Required Supplementary Information

Beaumont-Cherry Valley Water District

Required Supplementary Information
Schedule of Proportionate Share of the Net Pension Liability and Related Ratios as of the Measurement Date
Last 10 Years*

Measurement Date	Employer's Proportion of the Collective Net Pension Liability[1]	Employer's Proportionate Share of the Collective Net Pension Liability	Employer's Covered Payroll	Employer's Proportionate Share of the Net Pension Liability as a Percentage of the Employer's Covered Payroll	Pension Plan's Fiduciary Net Position as a Percentage of the Total Pension Liability
6/30/2015	0.020719%	$ 1,422,127	$ 1,716,891	82.83%	82.06%
6/30/2016	0.020557%	1,778,844	1,894,097	93.92%	75.87%
6/30/2017	0.021444%	2,126,622	1,969,047	108.00%	75.39%
6/30/2018	0.021583%	2,079,843	2,128,022	97.74%	79.62%
6/30/2019	0.022726%	2,328,743	2,455,799	94.83%	79.53%
6/30/2020	0.023843%	2,594,236	2,589,031	100.20%	79.54%

[1] Proportion of the collective net pension liability represents the plan's proportion of PERF C, which includes both the Miscellaneous and Safety Risk pools excluding the 1959 Survivors Risk Pool.

* Measurement date 6/30/2014 (fiscal year 2015) was the 1st year of implementation. Additional years will be presented as they become available.

Beaumont-Cherry Valley Water District

Required Supplementary Information
Schedule of Plan Contributions – Pension
Last 10 Years*

Fiscal Year	Contractually Determined Contributions	Contributions in Relation to the Contractually Determined Contributions	Contribution Deficiency (Excess)	Employer's Covered Payroll	Contributions as a Percentage of Covered Payroll
12/31/2015	$ 275,729	$ (275,729)	$ -	$ 1,914,001	14.41%
12/31/2016	237,259	(237,259)	-	1,985,446	11.95%
12/31/2017	241,633	(241,633)	-	2,019,541	11.96%
12/31/2018	275,682	(275,682)	-	2,393,812	11.52%
12/31/2019	303,397	(303,397)	-	2,532,417	11.98%
12/31/2020	316,818	(316,818)	-	2,537,048	12.49%

* Measurement date 6/30/2014 (fiscal year 2015) was the 1st year of implementation. Additional years will be presented as they become available.

Notes to Schedule:

Change in Benefit Terms: None

Changes in Assumptions: For the 2019 actuarial valuation (2020 measurement period), a new amortization policy came into effect shortening the period over which actuarial gains and losses are amortized from 30 years to 20 years with the payments computer as a level dollar amount. A five-year ramp-up and ramp-down on UAL bases attributable to assumption changes and non-investment gain and losses is no longer utilized and a five-year ramp-down on investment gains/losses is also not utilized. There were no changes in assumptions in 2019. In 2018, demographic assumptions and inflation rate were changed in accordance to the CalPERS Experience Study and Review of Actuarial Assumptions December 2017. There were no changes in the discount rate in 2019. In 2017, the accounting discount rate was reduced from 7.65 percent to 7.15 percent. In 2016, there were no changes in the discount rate. In 2015, amounts reported reflect an adjustment of the discount rate from 7.5 percent (net of administrative expense) to 7.65 percent (without a reduction for pension plan administrative expense). In 2014, amounts reported were based on the 7.5 percent discount rate.

Beaumont-Cherry Valley Water District

Required Supplementary Information
Schedule of Changes in Other Post-Employment Benefits and Related Ratios
Last Ten Years*

Fiscal Year	2018	2019	2020
Measurement Period	2018	2019	2020
Total OPEB Liability			
Service cost	$ 108,164	$ 104,143	$ 116,929
Interest	48,433	54,966	57,750
Differences between expected and actual experience	-	-	22,597
Changes in assumptions	(64,185)	90,015	348,579
Benefit payments	(12,565)	(29,345)	(35,122)
Net change in total OPEB liability	79,847	219,779	510,733
Total OPEB liability - beginning	1,251,010	1,330,857	1,550,636
Total OPEB liability - ending	$ 1,330,857	$ 1,550,636	$ 2,061,369
Plan fiduciary net position as a percentage of the total OPEB liability	0.0%	0.0%	0.0%
Covered-employee payroll	$ 2,186,445	$ 2,353,519	$ 2,473,694
Total OPEB liability as a percentage of covered employee payroll	60.9%	65.9%	83.3%

Notes to schedule:

Changes in assumptions: Discount rate changed from 3.50% in 2019 to 2.21% in 2020. Discount rate changed from 3.87% in 2018 to 3.50% in 2019.

The District does not have assets accumulated in a trust that meet the criteria of GASB 75 to pay related benefits. Benefits are not based on a measure of pay, therefore covered-employee payroll is used.

*Historical information is required for measurement periods for which GASB 75 is applicable. Future years' information will be displayed up to 10 years as information becomes available. Fiscal year 2018 was the first year of implementation.

Statistical Section

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Beaumont-Cherry Valley Water District

Net Position by Component
Last Ten Years

	2011	2012	2013	2014	2015
Net investment in capital assets	$ 99,194,309	$ 98,791,875	$ 117,924,668	$ 116,054,562	$ 115,246,313
Restricted for capital commitments	-	-	-	2,138,747	9,225,608
Unrestricted	5,283,208	5,827,344	5,499,646	13,498,835	14,338,676
Total net position	$ 104,477,517	$ 104,619,219	$ 123,424,314	$ 131,692,144	$ 138,810,597

	2016	2017	2018	2019	2020
Net investment in capital assets	$ 114,241,568	$ 112,850,063	$ 115,174,259	$ 114,636,883	$ 113,615,348
Restricted for capital commitments	10,226,231	21,287,702	26,824,036	30,057,752	33,664,496
Unrestricted	25,294,018	26,777,618	28,191,312	27,472,086	29,160,218
Total net position	$ 149,761,817	$ 160,915,383	$ 170,189,607	$ 172,166,721	$ 176,440,062

Source: *Beaumont-Cherry Valley Water District*

Beaumont-Cherry Valley Water District

Changes in Net Position
Last Ten Years

	2011	2012	2013	2014
OPERATING REVENUES				
Metered water sales	$ 4,766,022	$ 5,139,923	$ 5,046,558	$ 5,174,292
Water service charges	2,188,438	2,339,128	2,544,173	2,623,140
Water importation pass-through charges	1,326,091	2,318,837	2,321,236	2,334,731
Water pumping power pass-through charges	1,617,081	1,663,191	1,685,246	1,674,936
Development and installation charges	127,141	146,889	271,122	315,244
Other revenue	288,708	364,628	369,537	313,807
Total operating revenues	10,313,481	11,972,596	12,237,872	12,436,150
OPERATING EXPENSES [1]				
Salaries and employee benefits	3,094,522	4,040,757	3,780,225	2,985,138
Pension expense (credit)	-	-	-	-
Energy expenses	-	1,231,156	1,435,343	1,772,112
Water purchases	3,125,537	2,642,003	2,607,642	1,396,410
Administration	196,422	552,707	270,533	173,873
Operations	2,877,985	281,110	297,048	468,345
Maintenance and repairs	-	577,422	272,990	469,552
Depreciation	2,002,794	2,072,402	2,528,691	2,514,369
Insurance	-	95,208	96,385	80,162
Professional fees	-	211,580	295,528	310,590
Other expenses	199,934	11,749	11,246	10,736
Total operating expenses	11,497,194	11,716,094	11,595,631	10,181,287
Operating Income (loss)	(1,183,713)	256,502	642,241	2,254,863
NONOPERATING REVENUES (EXPENSES)				
Interest earnings	127,905	110,426	84,830	55,597
Rental income	20,507	22,969	17,815	21,007
Other revenue	101,383	43,092	3,889	291,671
Gain/loss on disposal of capital assets	-	-	(41,421)	3,310
Interest expense	(137,271)	(122,975)	(49,968)	(300)
Amortization of deferred charges	(18,322)	-	-	-
Total nonoperating revenues (expenses)	94,202	53,512	15,145	371,285
Income (loss) before contributions	(1,089,511)	310,014	657,386	2,626,148
CAPITAL CONTRIBUTIONS				
Donated capital assets	-	-	-	-
Capital contribution to other government	-	-	-	-
Capacity charges	579,869	66,382	1,025,791	2,677,180
Total capital contributions	579,869	66,382	1,025,791	2,677,180
SPECIAL ITEM				
Change in assumptions - OPEB	-	-	-	2,964,502
Change in net position	(509,642)	376,396	1,683,177	8,267,830
Net position, beginning of year	106,891,027	104,477,517	104,619,219	123,424,314
Prior period adjustment	(1,903,868)	(234,694)	17,121,918	-
Net position, end of year	$ 104,477,517	$ 104,619,219	$ 123,424,314	$ 131,692,144

Note:

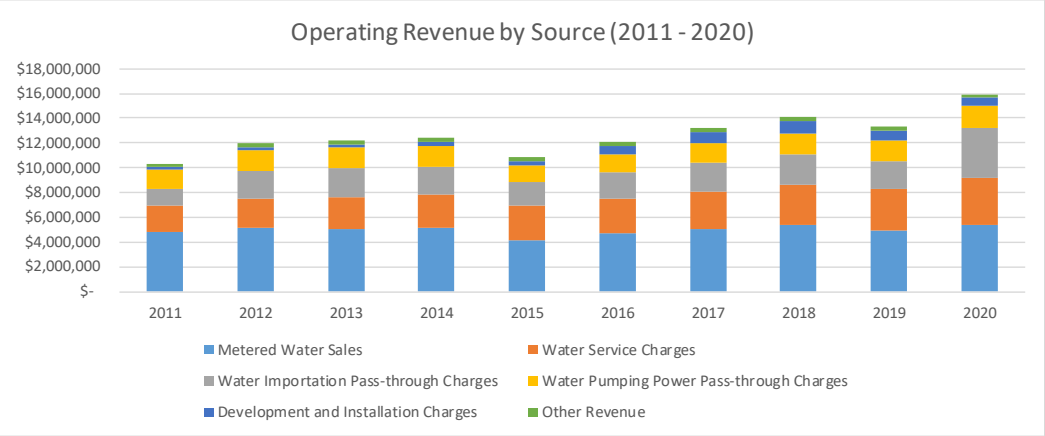
(continued)

2015	2016	2017	2018	2019	2020
$ 4,165,087	$ 4,655,883	$ 5,060,758	$ 5,375,165	$ 4,933,445	$ 5,332,496
2,756,998	2,865,733	3,014,752	3,238,643	3,403,608	3,893,907
1,889,751	2,102,694	2,288,455	2,424,212	2,237,051	3,951,457
1,355,677	1,508,460	1,641,681	1,739,022	1,604,661	1,820,448
348,830	653,251	818,430	979,629	851,465	712,920
315,952	353,419	353,433	403,970	321,521	179,339
10,832,295	12,139,440	13,177,509	14,160,641	13,351,751	15,890,567
3,076,232	2,974,987	3,395,058	3,855,018	4,197,179	4,515,442
394,267	(225,040)	(87,514)	92,646	242,066	268,910
1,371,858	1,344,733	1,598,665	1,760,641	1,591,985	2,105,011
879,066	2,954,123	4,308,030	3,842,357	5,200,241	4,390,995
381,598	193,382	284,724	313,973	508,291	551,523
236,757	234,245	292,991	420,403	440,041	421,946
591,554	604,118	515,645	493,357	744,870	926,039
2,517,384	2,528,643	2,591,208	2,575,804	2,707,811	2,865,579
78,285	75,502	73,674	73,530	75,858	92,035
184,169	228,162	250,504	144,908	272,752	236,248
10,503	10,978	12,115	11,334	14,205	13,660
9,721,673	10,923,833	13,235,100	13,583,971	15,995,299	16,387,388
1,110,622	1,215,607	(57,591)	576,670	(2,643,548)	(496,821)
84,254	180,342	350,406	1,121,500	1,668,981	942,888
20,103	20,577	21,715	20,934	23,805	23,089
35,528	1,101	89,591	24,681	3,328	78,187
-	(7,898)	(37,031)	-	15,840	-
-	-	-	-	-	-
-	-	-	-	-	-
139,885	194,122	424,681	1,167,115	1,711,954	1,044,164
1,250,507	1,409,729	367,090	1,743,785	(931,594)	547,343
1,092,505	1,004,624	-	2,423,839	313,440	-
-	-	-	-	(569,812)	-
6,296,897	8,536,867	11,270,398	5,282,211	2,989,469	3,725,998
7,389,402	9,541,491	11,270,398	7,706,050	2,733,097	3,725,998
-	-	-	-	-	-
8,639,909	10,951,220	11,637,488	9,449,835	1,801,503	4,273,341
131,692,144	138,810,597	149,761,817	160,915,383	170,365,218	172,166,721
(1,521,456)	-	(483,922)	-	-	-
$ 138,810,597	$ 149,761,817	$ 160,915,383	$ 170,365,218	$ 172,166,721	$ 176,440,062

Beaumont-Cherry Valley Water District

Operating Revenue by Source
Last Ten Years

Fiscal Year	Metered Water Sales	Water Service Charges	Water Importation Pass-through Charges	Water Pumping Power Pass-through Charges	Development and Installation Charges	Other Revenue	Totals
2011	$ 4,766,022	$ 2,188,438	$ 1,326,091	$ 1,617,081	$ 127,141	$ 288,708	$ 10,313,481
2012	5,139,923	2,339,128	2,318,837	1,663,191	146,889	364,628	11,972,596
2013	5,046,558	2,544,173	2,321,236	1,685,246	271,122	369,537	12,237,872
2014	5,174,292	2,623,140	2,334,731	1,674,936	315,244	313,807	12,436,150
2015	4,165,087	2,756,998	1,889,751	1,355,677	348,830	315,952	10,832,295
2016	4,655,883	2,865,733	2,102,694	1,508,460	653,251	353,419	12,139,440
2017	5,060,758	3,014,752	2,288,455	1,641,681	818,430	353,433	13,177,509
2018	5,375,165	3,238,643	2,424,212	1,739,022	979,629	403,970	14,160,641
2019	4,933,445	3,403,608	2,237,051	1,604,661	851,465	321,521	13,351,751
2020	5,332,496	3,893,907	3,951,457	1,820,448	712,920	179,339	15,890,567

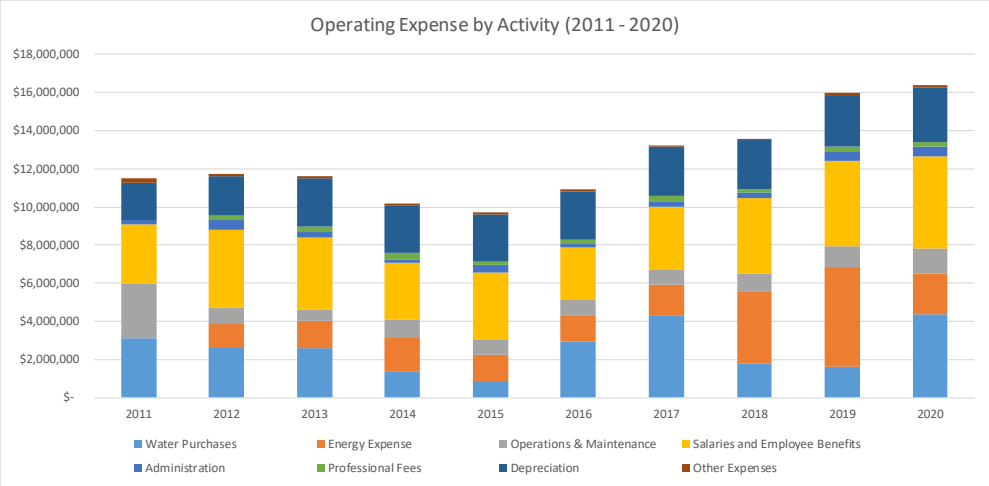


Source: *Beaumont-Cherry Valley Water District*

Beaumont-Cherry Valley Water District

Operating Expense by Activity[(1)(2)]
Last Ten Years

Fiscal Year	Salaries and Employee Benefits	Water Purchases	Energy Expense	Operations & Maintenance	Administration	Professional Fees	Depreciation	Other Expenses	Totals
2011	$ 3,094,522	$ 3,125,537	$ -	$ 2,877,985	$ 196,422	$ -	$ 2,002,794	$ 199,934	$ 11,497,194
2012	4,040,757	2,642,003	1,231,156	858,532	552,707	211,580	2,072,402	106,957	11,716,094
2013	3,780,225	2,607,642	1,435,343	570,038	270,533	295,528	2,528,691	107,631	11,595,631
2014	2,985,138	1,396,410	1,772,112	937,897	173,873	310,590	2,514,369	90,898	10,181,287
2015	3,470,499	879,066	1,371,858	828,311	381,598	184,169	2,517,384	88,788	9,721,673
2016	2,749,947	2,954,123	1,344,733	838,363	193,382	228,162	2,528,643	86,480	10,923,833
2017	3,307,544	4,308,030	1,598,665	808,636	284,724	250,504	2,591,208	85,789	13,235,100
2018	3,947,664	1,760,641	3,842,357	913,760	313,973	144,908	2,575,804	84,864	13,583,971
2019	4,456,614	1,621,377	5,200,241	1,122,625	508,291	272,752	2,707,811	105,588	15,995,299
2020	4,784,352	4,390,995	2,105,011	1,347,985	551,523	236,248	2,865,579	105,695	16,387,388



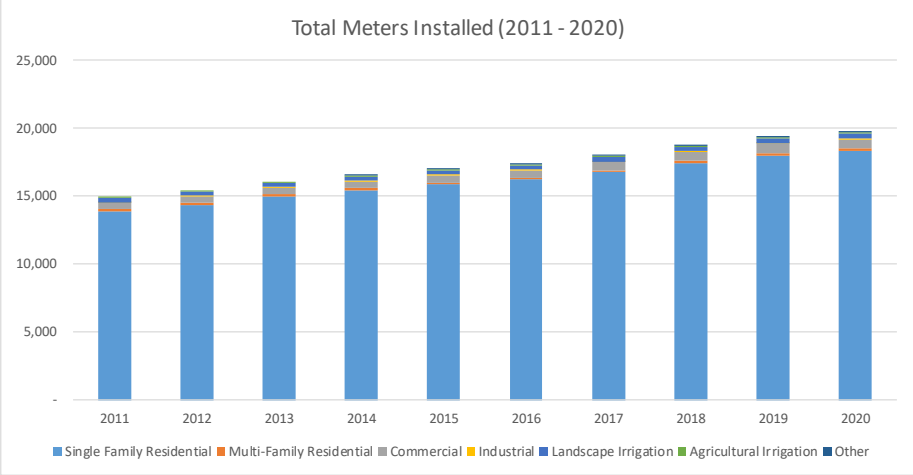
Notes:
(1) Amounts may appear to be inconsistent and incomparable as classifications of operating expenses changed in 2012
(2) Some amounts from the Changes in Net Position schedule are grouped together for comparability

Source: *Beaumont-Cherry Valley Water District*

Beaumont-Cherry Valley Water District

Customers by Type
Last Ten Years

Fiscal Year	Single Family Residential	Multi-Family Residential	Commercial	Industrial	Landscape Irrigation	Agricultural Irrigation	Other	Totals
2011	13,921	122	494	26	288	84	-	14,935
2012	14,388	130	507	26	297	86	-	15,434
2013	14,981	140	536	31	311	89	-	16,088
2014	15,436	140	540	31	314	90	1	16,552
2015	15,860	140	546	31	321	90	2	16,990
2016	16,222	141	560	31	326	89	1	17,370
2017	16,768	141	631	31	337	88	1	17,997
2018	17,430	159	692	33	354	88	1	18,757
2019	18,004	159	700	33	364	87	2	19,349
2020	18,326	162	714	33	367	87	1	19,690



Source: *Beaumont-Cherry Valley Water District*

Beaumont-Cherry Valley Water District

Principal Customers
Current and Nine Years Ago [1]

	2011		2020			
Customer	Annual Consumption (hcf)	Percentage of Total Consumption	Annual Consumption (hcf)	Percentage of Total Consumption	Change in Consumption	Percentage of Change
City of Beaumont	352,064	7.32%	263,030	4.83%	(89,034)	-33.85%
K Hovnanians Four Seasons	120,379	2.50%	171,611	3.15%	51,232	29.85%
Beaumont Unified School District	176,180	3.66%	159,716	2.94%	(16,464)	-10.31%
Highland Sprgs Cntry Club	64,237	1.34%	68,550	1.26%	4,313	6.29%
TNT Blanchard General Eng Inc	-	0.00%	63,473	1.17%	63,473	100.00%
Solera Oak Valley Greens	66,702	1.39%	54,690	1.01%	(12,012)	-21.96%
Perricone Juices	29,246	0.61%	52,581	0.97%	23,335	44.38%
Fairway Cyn Comm Assoc	45,657	0.95%	42,765	0.79%	(2,892)	-6.76%
Highland Springs Owners Assoc	18,376	0.38%	41,819	0.77%	23,443	56.06%
Country Highlands MHC	27,548	0.57%	24,508	0.45%	(3,040)	-12.40%
	900,389	18.72%	942,743	17.32%	42,354	
Total Water Consumed	4,809,040	100.00%	5,441,631	100.00%		

Notes:

Source: *Beaumont-Cherry Valley Water District*

Beaumont-Cherry Valley Water District

Revenue Rates
Last Ten Years

Charges for Water Used (per ccf)

Fiscal Year	Single-Family Residential			Multi-Family Residential		Commercial	Fire Service	Landscape	Agricultural Irrigation	Construction	Non-Potable
	Tier 1	Tier 2	Tier 3	Tier 1	Tier 2						
2011	0.91	1.00	n/a	0.91	0.93	0.94	0.94	1.09	0.96	1.09	n/a
2012	0.96	1.05	n/a	0.96	0.98	0.99	0.99	1.15	1.01	1.15	n/a
2013	0.96	1.05	n/a	0.96	0.98	0.99	0.99	1.15	1.01	1.15	n/a
2014	0.96	1.05	n/a	0.96	0.98	0.99	0.99	1.15	1.01	1.15	n/a
2015	0.96	1.05	n/a	0.96	0.98	0.99	0.99	1.15	1.01	1.15	n/a
2016	0.96	1.05	n/a	0.96	0.98	0.99	0.99	1.15	1.01	1.15	n/a
2017	0.96	1.05	n/a	0.96	0.98	0.99	0.99	1.15	1.01	1.15	n/a
2018	0.96	1.05	n/a	0.96	0.98	0.99	0.99	1.15	1.01	1.15	n/a
2019	0.96	1.05	n/a	0.96	0.98	0.99	0.99	1.15	1.01	1.15	n/a
2020	0.66	0.81	1.36	1.01	n/a	0.95	1.17	1.06	1.06	1.17	0.72

Domestic Service Charge (bi-monthly)

Fiscal Year	5/8"	3/4"	1"	1.5"	2"	3"	4"	6"	8"	10"	12"
2011	$ 17.04	25.56	42.61	85.21	136.34	272.67	426.05	852.10	1,363.36	1,959.83	2,641.51
2012	$ 18.01	27.02	45.03	90.06	144.09	288.18	450.28	900.55	1,440.88	2,071.27	2,791.71
2013	$ 18.01	27.02	45.03	90.06	144.09	288.18	450.28	900.55	1,440.88	2,071.27	2,791.71
2014	$ 18.01	27.02	45.03	90.06	144.09	288.18	450.28	900.55	1,440.88	2,071.27	2,791.71
2015	$ 18.01	27.02	45.03	90.06	144.09	288.18	450.28	900.55	1,440.88	2,071.27	2,791.71
2016	$ 18.01	27.02	45.03	90.06	144.09	288.18	450.28	900.55	1,440.88	2,071.27	2,791.71
2017	$ 18.01	27.02	45.03	90.06	144.09	288.18	450.28	900.55	1,440.88	2,071.27	2,791.71
2018	$ 18.01	27.02	45.03	90.06	144.09	288.18	450.28	900.55	1,440.88	2,071.27	2,791.71
2019	$ 18.01	27.02	45.03	90.06	144.09	288.18	450.28	900.55	1,440.88	2,071.27	2,791.71
2020	$ 22.58	31.13	48.24	91.01	142.33	304.84	544.34	1,117.43	2,400.46	3,597.95	4,538.84

Source: *Beaumont-Cherry Valley Water District*

Beaumont-Cherry Valley Water District

Ratios of Outstanding Debt by Type
Last Ten Years

Fiscal Year	General Obligation Bonds	Revenue Bonds	Notes Payable	Capital Leases	Loans Payable	Total Outstanding Debt	Per Capita	Share of Personal Income
2011	$ -	$ -	$ 3,585,000	$ -	$ -	$ 3,585,000	$ 92.99	0%
2012	-	-	2,600,000	-	-	2,600,000	66.07	0%
2013	-	-	-	-	-	-	-	0%
2014	-	-	-	-	-	-	-	0%
2015	-	-	-	-	-	-	-	0%
2016	-	-	-	-	-	-	-	0%
2017	-	-	-	-	-	-	-	0%
2018	-	-	-	-	-	-	-	0%
2019	-	-	-	-	-	-	-	0%
2020	-	-	-	-	-	-	-	0%

Source: *Beaumont-Cherry Valley Water District*

Beaumont-Cherry Valley Water District

Debt Coverage
Last Ten Years

Fiscal Year	Net Revenues	Operating Expenses	Net Available Revenues	Principal	Interest	Total	Debt Coverage Ratio
2011	$ 11,143,145	$ (9,494,400)	$ 1,648,745	$ 945,000	$ 145,256	$ 1,090,256	1.74
2012	12,215,465	(9,643,692)	2,571,773	985,000	112,976	1,097,976	2.61
2013	13,370,197	(9,066,940)	4,303,257	2,600,000	71,938	2,671,938	1.66
2014	15,481,605	(7,666,918)	7,814,687	-	300	300	0.00
2015	17,269,077	(7,204,289)	10,064,788	-	-	-	0.00
2016	20,878,327	(8,395,190)	12,483,137	-	-	-	0.00
2017	24,909,619	(10,643,892)	14,265,727	-	-	-	0.00
2018	20,434,356	(11,008,167)	9,426,189	-	-	-	0.00
2019	18,037,334	(13,287,488)	4,749,846	-	-	-	0.00
2020	20,660,729	(13,521,809)	7,138,920	-	-	-	0.00

Source: *Beaumont-Cherry Valley Water District*

Beaumont-Cherry Valley Water District

Demographic and Economic Statistics
Last Ten Years

Calendar Year	Population	County of Riverside		
		Median Household Income	Per Capita Personal Income	Unemployment Rate
2011	38,553	$ 58,365	$ 24,516	12.9%
2012	39,353	57,096	23,863	14.2%
2013	40,424	56,529	23,591	14.9%
2014	42,117	63,523	23,660	14.3%
2015	43,629	56,603	23,783	12.9%
2016	45,349	57,972	24,443	11.3%
2017	46,179	60,807	25,700	4.3%
2018	49,630	63,948	27,142	4.1%
2019	51,475	67,005	28,596	3.6%
2020	52,686	67,005	28,596	8.6%

Sources:
Population Source: State of California Department of Finance;
County Source: Riverside County Economic Development Agency

Beaumont-Cherry Valley Water District

Principal Employers for the Community Area [1]
Current Year [3]

Employer	2019 [3] Number of Employees	2019 [3] Percent of Total Employment [2]
County of Riverside	21,672	25.56%
Amazon	10,500	12.39%
University of California, Riverside	9,770	11.52%
March Air Reserve Base	9,600	11.32%
Stater Bros	8,304	9.79%
Kaiser Permanente Riverside Medical Center	5,700	6.72%
Pechanga Resort & Casino	5,078	5.99%
Walmart	4,931	5.82%
Corona-Norco Unified School District	4,903	5.78%
Ross Dress For Less	4,321	5.10%
Total	84,779	100.00%

Notes:
(1) Community Area defined as the County of Rvierside
(2) Total employment for the ten major employers for the community area
(3) County of Riverside Economic Development Agency last updated 2019

Source: *Riverside County Economic Development Agency*

Beaumont-Cherry Valley Water District

Full-time and Part-time District Employees by Department
Last Ten Years[1]

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Department										
Engineering	2	2	2	2	2	3	5	5	6	5
Finance & Administrative Services	13	7	8	6	10	10	12	13	13	12
IT	0	1	1	1	1	1	1	1	1	1
Human Resources	0	0	0	0	0	0	0	0	1	1
Operations										
Source of Supply	4	3	3	3	3	3	4	4	4	5
Transmission and Distribution	12	11	12	12	11	11	10	13	13	12
Customer Service and Meter Reading	3	3	3	3	3	3	3	3	3	3
Total	34	27	29	27	30	31	35	39	41	39

Notes:
(1) As of 12/31 of each year

Source: *Beaumont-Cherry Valley Water District*

Beaumont-Cherry Valley Water District

Operating Indicators by Function
Last Ten Years

Function/Program	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
District Service Area (square miles)	28	28	28	28	28	28	28	28	28	28
Water mains (miles)	282	282	282	282	282	282	282	282	303	303
Fire hydrants	1,310	1,375	1,443	1,515	1,590	1,669	1,752	1,840	2,131	2,333
Number of reservoirs (non-potable)	1	1	1	1	1	1	1	1	1	1
Reservoir capacity (MG)	2	2	2	2	2	2	2	2	2	2
Storage Tanks	13	13	13	13	13	13	13	13	13	13
Storage Capacity (MG)	23.25	23.25	23.25	23.25	23.25	23.25	23.25	23.25	23.25	23.25
Number of wells	21	21	21	21	21	21	21	21	21	21
Well Capacity (GPM)	23,175	23,175	23,175	23,175	23,175	23,175	23,175	23,175	23,175	23,175

Source: *Beaumont-Cherry Valley Water District*

Beaumont-Cherry Valley Water District
Regular Board Meeting
June 9, 2021

Item 4

STAFF REPORT

TO: Board of Directors

FROM: Dan Jaggers, General Manager

SUBJECT: **Review Annual Disclosure (California Government Code Section 66013(d)), Fiscal Year 2020 Capacity Charges**

Staff Recommendation

Information only.

Background

District staff has prepared the attached schedules to document ongoing record-keeping and accounting of the following information on capacity charges (facilities fees) in accordance with Government Code Section 66013.

Capacity Charges Defined (66013(b)(3))
"A charge for public facilities in existence at the time a charge is imposed or charges for new public facilities to be acquired or constructed in the future that are of proportional benefit to the person or property being charged, including supply or capacity contracts for rights or entitlements, real property interests, and entitlements and other rights of the local agency involving capital expense relating to its use of existing or new public facilities."

The District charges a capacity charge (facilities fee) on all new development and all expansions or changes of existing development to pay for current and future capital improvement projects that are designed to accommodate growth or expanded use. For the year ended December 31, 2020, the fee for capacity charges was $10,122 per Equivalent Dwelling Unit.

Accounting Requirements (66013(d)(1)-(5))
The District is required to make the following information regarding capacity charges available to the public within 180 days after the last day of each fiscal year:

1) A description of the charges deposited in the fund.
2) The beginning and ending balance of the fund and the interest earned from investment of monies in the fund.
3) The amount of water capacity charges collected in that fiscal year.
4) An identification of each of the following:
    a. Each public improvement on which charges were expended and the amount of the expenditure for each project, including the percentage of the total cost of the public improvement that was funded with water capacity charges if more than one source of funding was used.
    b. Each public improvement on which water capacity charges were expended that was completed during that fiscal year.
    c. Each public improvement that is anticipated to be undertaken in the following fiscal year.

5) For entities engaged in fund accounting, a description of each interfund transfer or loan made from the capital facilities fund. The information provided shall identify the public improvements on which transferred monies are, or will be, expended and shall also include the date on which the loan will be repaid, and the rate of interest that the fund will receive on the loan.

The Capacity Charges Collected and Used, Detail of Capacity Charges Used, and the Anticipated Public Improvements in Following Fiscal Year(s), for the year ended December 31, 2020 are attached as Schedules 1, 2, and 3, respectively, for Board and public inspection. Capacity charges collected and used, and the interest thereon, are tracked each year by the District, and the schedules are presented in this format on an ongoing, annual basis.

Attachments

Schedule 1 – Year Ended December 31, 2020 Capacity Charges Collected and Used
Schedule 2 – Year Ended December 31, 2020 Detail of Capacity Charges Used
Schedule 3 – Year Ended December 31, 2020 Anticipated Public Improvements in Following Fiscal Year(s)

Report prepared by Erica Gonzales, Administrative Assistant and Bill Clayton, Acting Director of Finance and Administrative Services

BEAUMONT-CHERRY VALLEY WATER DISTRICT
Government Code Section 66013(d) Report

Year Ended December 31, 2020
Capacity Charges Collected and Used

Capacity Charge Schedule - December 31, 2020	
Single Family Residential	$ 10,122
Multiple Family Residential	$ 6,073
Commercial Property	Projected water use vs 580 gal/day times $10,122
Industrial Property	Projected water use vs 580 gal/day times $10,122

	2020
BEGINNING BALANCE: RESTRICTED CASH - CAPITAL COMMITMENTS	$ 29,534,286
Charges Collected and Interest Earned	
Capacity charges and front footage fees collected [1]	3,876,935
Interest Earnings Allocated [2]	338,298
Total Charges Collected	4,215,233
Charges Used	
Projects Completed during the Calendar Year	-
Ongoing Projects	553,313
Total Charges Used	553,313
Charges Collected over (under) Charges Used	3,661,920
ENDING BALANCE: RESTRICTED CASH - CAPITAL COMMITMENTS	**$ 33,196,206**
Financial Statement: Restricted Cash - Capital Commitments	$ 33,196,206

Note(s):

(1) GC 66013 only requires that capacity charges be accounted for and included in the publicly available information. However, the District also accounts for front footage fees in the similar manner. These are collected to reimburse existing pipelines already installed by the District.

(2) Unused capacity charges are invested with other District funds; interest is proportioned between CalTRUST and LAIF, the two investment pools that the District currently participates in.

BEAUMONT-CHERRY VALLEY WATER DISTRICT
Government Code Section 66013(d) Report

Year Ended December 31, 2020
Detail of Capacity Charges Used

Projects Completed during the Year

Project No.	Description	2020
	Total	**$ -**

Ongoing Projects

Project No.	Description	2020
NEO-0000-0001	Recycled Water Conversion and Implementation	$ 13,950
-	2016 Capacity Fee Study	253
M-2850-0001	Well 25 East Block Wall and Entrance Gate	61,064
T-3040-0001 PZ Pipeline	Noble Tank Pipeline	9,055
T-3040-0001 Tank	Noble Tank No. 2	10,642
WR	Grand Ave. Storm Drain	23,481
WR-REWTR PLAN	Recycled Water Masterplan Update 2016	29,170
WR-SITES-Reser.	Investment in Sites Reservoir Project	405,698
	Total	**$ 553,313**

BEAUMONT-CHERRY VALLEY WATER DISTRICT
Government Code Section 66013(d) Report

Year Ended December 31, 2020
Anticipated Public Improvements in Following Fiscal Year(s)

Appendix B: Potable Infrastructure Projects

Project No.	Description		2021 Capital Budget	2022 Capital Budget	2023 Capital Budget
WR-SITES-Reser.	Investment in Sites Reservoir Project		$ 93,714	$ 519,643	$ 866,081
-	2020 Capacity Charge Study		47,798	-	-
W-2750-0002	2750 Zone Well in Noble Creek Regional Park		2,114,972	513,312	4,824,124
W-2750-0005	Replace 2750 Zone Well 1	(1)	417,979	656,343	-
BP-2850-0001	2850 Zone to 3040 Zone Booster Pump Station		-	-	422,002
M-2850-0001	Well 25 East Block Wall and Entrance Gate		-	-	-
W-2850-0001	New Beaumont Basin Well on Pardee Sundance Site		-	-	2,235,987
BP-3040-0001	3040 to 3330 Booster Pump Station at Noble Tank	(2)	-	115,798	537,412
T-3040-0001	2 MG 3040 Zone Tank		3,168,734	663,985	-
T-3040-0001	Pressure Zone Pipeline		1,047,794	219,558	-
WR	Grand Avenue Storm Drain		2,701,840	2,701,840	-
	Total		**$ 9,592,831**	**$ 5,390,479**	**$ 8,885,606**

FOOTNOTES:

(1) 25% of CIP Project Cost is funded by Capacity Charges
(2) 50% of CIP Project Cost is funded by Capacity Charges

BEAUMONT-CHERRY VALLEY WATER DISTRICT
Government Code Section 66013(d) Report

Year Ended December 31, 2020

Anticipated Public Improvements in Following Fiscal Year(s)

Appendix D: Capital Assets

Project No.	Description		2021 Capital Budget	2022 Capital Budget	2023 Capital Budget
VE-TRUK	Chevrolet Colorado 4x4 (Recycled Water)		35,000	-	-
	Total		**$ 35,000**	**$ -**	**$ -**

Appendix E: Non-Potable Infrastructure Projects

Project No.	Description		2021 Capital Budget	2022 Capital Budget	2023 Capital Budget
NEO-0000-0001	Recycled Water Conversion and Implementation		520,050	-	-
NBP-2600-0003	2600 Zone Non-potable Booster at COB Treatment Plant		881,188	6,952,009	1,481,955
NP-2600-0001	24" San Timoteo Rd, Palmer to Tukwet Canyon	(1)	294,354	302,643	311,165
NP-2600-0003	18" Tukwet Canyon, Suncal Tract to San Timoteo	(1)	75,406	77,529	79,712
NP-2600-0004	18" San Timoteo Canyon, Tukwet Canyon to end of Existing NP	(2)	58,812	60,469	62,171
NP-2600-0006	24" Potrero Ave, South side San Timoteo (Heartland) to Fourth St.	(1)	719,526	-	-
NP-2600-0010	24" Fourth St, from e/o Distribution Way to Potrero Ave.	(1)	702,522	-	-
NPR-2600-0001	2600 Zone Non-potable Regulation and Metering Station		-	199,718	-
NT-2600-0001	3 MG 2600 Zone Non-potable Water Tank		-	1,028,089	4,257,109
NWR-2600-0002	San Timoteo Creek Non-potable Extraction Wells		840,774	864,450	888,793
NP-2800-0012	30" COB WWTP SITE, from 2600 to 2800 Zone Booster Pump (NPB 2600-0003) to 4th	(3)	-	104,262	431,726
NPT-2800-001	Raw Water Filter System at 2800 PZ Tank		-	-	300,930
NT-2800-0001	2MG Non-potable 2800 Zone Tank		-	-	410,685
	Total		**$ 4,092,631**	**$ 9,589,168**	**$ 8,224,247**

FOOTNOTES:

(1) 25% of CIP Project Cost is funded by Capacity Charges
(2) 15% of CIP Project Cost is funded by Capacity Charges
(3) 40% of CIP Project Cost is funded by Capacity Charges

TOTAL - ALL PROJECTS	**$ 13,720,461**	**$ 14,979,646**	**$ 17,109,852**

Beaumont-Cherry Valley Water District
Regular Board Meeting
June 9, 2021

Item 5

STAFF REPORT

TO: Board of Directors

FROM: Dan Jaggers, General Manager

SUBJECT: **Resolution 2021-____: Approval of Water Supply Assessment for Water Service for the Proposed Beaumont Pointe Commercial and Industrial Project (formerly Jack Rabbit Trail) located south of State Highway 60 and west of Potrero Boulevard**

Staff Recommendation

Consider the following actions for the Beaumont Pointe Project:

1. Approve the "Draft" Water Supply Assessment for the Beaumont Pointe Project.

2. Adopt Resolution 2021-___, Acknowledging the Review, Receipt and Acceptance of the Water Supply Assessment for the Beaumont Pointe Project.

Background

In May 2020, District staff received a formal request to review a Water Supply Assessment (WSA) for the Beaumont Point Development (formerly Jack Rabbit Trail) Project (BP or Project) which is located south of State Highway 60 and west of Potrero Boulevard. The Project is not within the District's Service Boundary; however, the Project is within the District's Sphere of Influence. It is the District's understanding that Beaumont Pointe Partners, LLC (Developer) is currently working with the City of Beaumont (City) and the Riverside Local Agency Formation Commission (LAFCO) to undergo annexation into the City, and subsequently the District for approximately 539.9 acres of land associated with the Project.

At the regular Board Engineering Workshop on April 22, 2021, the Beaumont Pointe WSA was brought to the Board for review and discussion purposes. After discussions with Beaumont Pointe Partners, LLC, the Developer request that District staff move the WSA forward to the Board of Directors for consideration of approval.

The Project, previously identified as Jack Rabbit Trail, was included in the District's 2015 Urban Water Management Plan (UWMP) as well as the District's 2016 Potable Water System Master Plan. At that time, the project was proposed to be a development of 2,000 single-family homes, however, has remained dormant for several years and to District staff's knowledge, does not have a WSA or *Will-Serve Letter* associated with it.

The proposed Beaumont Pointe Project consists of approximately 539.9 gross acres of land over multiple parcels (as identified in Table 1) and consists of approximately 30.2 acres of general commercial land use area and 5.0 million square feet (sf) of industrial distribution warehouse.

Table 1 – Beaumont Pointe Assessor Parcel Numbers

Parcel No.	APN No.	Parcel No.	APN No.	Parcel No.	APN No.
1	422-060-002	5	422-060-005	9	422-060-009
2	422-060-010	6	422-060-016	10	422-060-017
3	422-060-018	7	422-060-021	11	422-060-022
4	422-170-005	8	422-170-008		

Figure 1: Beaumont Pointe Project Location

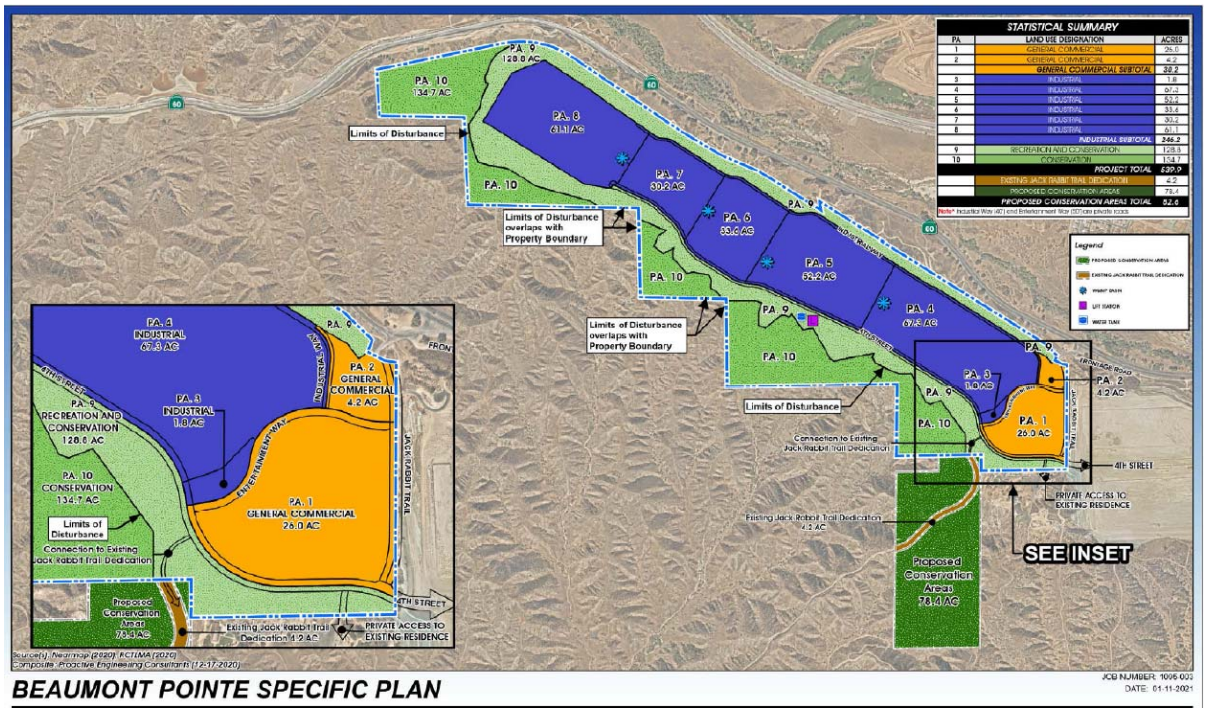
The Project site and land use information is described below in Table 2. The general commercial land use area (Planning Areas [PA] 1 and 2) is proposed to consist of a hotel and retail shopping center. The industrial land use area (PA's 3-8) is proposed to include a small self-storage facility of approximately 25,000 sf and five (5) warehouses with associated office space, each totaling approximately 1 million sf. The remaining areas (PA's 9 & 10) are intended to be preserved as open space.

Table 2: Beaumont Pointe Project Land Uses

Planning Area	Land Use	Acreage
1 and 2	Hotel Restaurant	30.2
	Entertainment	
	Landscape	
3 thru 8	Warehouse	246.2
	Office	
	Landscape	
	Self-Storage Facility	
9 and 10	Open Space	263.5
	Total Acreage:	**539.9**

The proposed location for each Project planning area is indicated in Figure 2.

Figure 2: Beaumont Pointe Land Use Plan



Potable Water Demand

Estimated water demand for the Project was determined by discussions and verification of consumption values between District staff and the Developer. The Project's estimated potable water demand is 111.5 acre-feet per year (AFY).

For the general commercial land use area, entertainment and hotel (PA 1 and 2), water use was estimated based off usage factors ranging from 1,500 gallons per day (gpd) per acre to 3,000 gpd per acre, which is typical for similar developments in the District's service area and

local regional area. Water demand for the proposed hotel considers an average demand of 100 gpd per room (described as per key in Table 4-2 of the BP WSA, attached).

For the industrial land use area (PA 3 through 8), District staff verified with the Developer the typical water demand for “big-box” warehouse structures in the area. District staff analyzed the demands for an existing 720,000 sf industrial distribution center (Wolverine) in the vicinity of the subject Project. It was determined that a reasonable employee density factor of one employee per 1,500 sf, with a typical demand of 15 gpd per employee provided for accurate water consumption values. For Planning Areas 3-8, it is estimated that there would be approximately 3,306 employees with the associated water demands (see Table 4-3 of the WSA, attached).

District staff is currently working with the Developer’s consultant to determine the infrastructure required to supply the demands for the Project, which will be included in the Beaumont Pointe Plan of Service. There is an existing 18” ductile iron pipe (DIP) domestic water main which terminates at the westerly end of 4th Street toward the western end of the Hidden Canyon Development.

Non-Potable Water Demand

The Project will also require non-potable water for irrigation purposes. The overall irrigation area has been estimated at approximately 15% of the total acreage for each planning area, not including open space (PA's 9 and 10). An outdoor water demand factor of 670,000 gallons per acre per year was used to estimate the non-potable water demand for the Project. This water demand factor was also used for the recently constructed Amazon Distribution Warehouse, located about 2 miles east of the proposed Project. Of the Project's total water demand, approximately 43% is estimated to be for outdoor irrigation. There is an existing 16" non-potable DIP water main located at the westerly end of 4th Street. The Project's estimated non-potable water demand is 85.2 AFY.

A summary of the Project's total potable and non-potable Demand is described below in Table 2. Potable and non-potable demand for the Project is estimated to be approximately 197 AFY or 360 equivalent dwelling units (EDUs) based on the District's current assessment of probable water use of 0.546 AFY per EDU.

Table 3: Beaumont Pointe Estimated Water Demand

Planning Area	Land Use	Indoor Water Demand (AFY)	Outdoor Water Demand (AFY)
1 thru 2	Hotel Restaurant	55.9	9.3
	Entertainment		
	Landscape		
3 thru 8	Warehouse	55.6	75.9
	Office		
	Landscape		
	Self-Storage Facility		
9 and 10	Open Space	-	-
Total		111.5	85.2
Total Potable and Non-Potable Demand, AFY		**196.7 AFY**	
Total Potable and Non-Potable Demand, EDUs		**360 EDUs**	

Note: More detailed information is provided in the WSA under Tables 4-2 and 4-3.

The Project's total demand of 196.7 AFY represents approximately 1.4% of the District's existing total potable and non-potable demand of 13,668 AFY (estimated for 2020, to be updated as part of the District's 2020 UWMP update).

The total new water demand required by the Project is further described in Section 6 of the WSA (attached.)

BCVWD Proposed Development Conditions are as follows:

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

1. The Applicant shall complete a Plan of Service along with the application for annexation to the District service area through Riverside LAFCO and complete the annexation process. Said Plan of Service will provide for an ongoing operation, maintenance, and replacement fee component to be funded by the Developer for Project Facilities.
2. The Applicant shall enter into a water facilities and mainline 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. Said water facilities and mainline extension agreement will include a cost recovery component to be provided for by the Project to cover ongoing operations, maintenance and replacement cost components.
3. The Applicant shall be required to submit all revised, new or updated, Tentative Mapping and Planning documents (i.e. Revised Specific Plan and Tentative Mapping).
4. The Applicant shall annex into the Beaumont-Cherry Valley Water District and pay all fees associated and related to annexation prior to service being provided.
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 shall be required to extend all master plan or otherwise required water and non-potable water facilities to the Project and along all property frontages in accordance with the Project's Plan of Service.
8. The Applicant shall be required to pay front footage fees along all property frontages where facilities are currently installed, if applicable.
9. The Applicant shall pay all fees and set up cost recovery structure for ongoing operations, maintenance, and facilities replacement associated with service prior to issuance of any Project water services.
10. Recycled Water shall be available from the City of Beaumont, or develop the alternative source of supply for the non-potable (recycled) water system prior to service being provided by BCVWD.
11. Once Recycled Water is available from the City of Beaumont and distributed by the District, the Applicant shall connect to the non-potable 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 planting materials native to the region. Irrigation systems for these areas should be drip or bubbler type.

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.

Attachments

Attachment 1 – Water Supply Assessment for Beaumont Pointe (revised April 13, 2021)
Attachment 2 – Resolution 2021-__

Prepared by Evan Ward, Civil Engineering Assistant

BEAUMONT-CHERRY VALLEY WATER DISTRICT

560 MAGNOLIA AVENUE

BEAUMONT, CALIFORNIA 92223

www.bcvwd.org

WATER SUPPLY ASSESSMENT

for

Beaumont Pointe

City of Beaumont, CA

June 28, 2020
Revised October 29, 2020
Revised March 9, 2021
Revised April 2, 2021
Revised April 13, 2021

Prepared by
CHARLES MARR CONSULTING
And Pacific Advanced Civil Engineering, Inc.

for

Beaumont Pointe Partners, LLC

18032 LEMON DRIVE, SUITE 367

YORBA LINDA, CALIFORNIA 92886

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1. INTRODUCTION

The Beaumont Pointe development project (BP or "Project") (formerly known as and referred to in some exhibits herein as "Jack Rabbit Trail") is proposed to be constructed in the City of Beaumont, CA on a site with gross area of approximately 540 acres south of Highway 60 and northwest of the proposed Hidden Canyon Industrial site. Project development limits will result in a graded net area of approximately 276.4 net acres. The project will consist of (1) general commercial/retail land uses on approximately 30.2 acres, and (2) five large graded building pads with one building on each pad totaling approximately 5.0 million square feet of warehouse/office structures. Existing 4th Street is proposed to be extended from the proposed alignment in Hidden Canyon to the BP site. The Riverside County Fire Department has identified a fire flow requirement for the Project of 4,000 gpm for 4 hours. The Project site will be annexed into the Beaumont Cherry Valley Water District (BCVWD) service area.

The Project site was previously planned with a land use density of 2,000 equivalent dwelling units (EDUs) and was included in the BCVWD's 2015 Urban Water Management Plan (UWMP) with 2,000 EDUs (previously identified as Jack Rabbit Trail). Based on the District's adopted EDU usage factor of 0.546 AFY/EDU, this equates to an estimated water demand of 1,092 AFY. The new BP land use plan estimates a density of 360 EDUs, representing a reduced site density by 82 percent. The water demand estimate using specific factors developed for each of the land uses currently proposed for BP, provides an updated demand estimate of 197 AFY. As a result of the changed land use plan, the Water Supply Assessment (WSA) accounts for a vastly reduced water demand estimate from what the UWMP assumes for the site.

2. WATER SUPPLY ASSESSMENT (WSA) LEGISLATIVE REQUIREMENTS

Two Senate Bills passed in 2001 to advance water supply planning efforts in California and provide 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 new projects, as defined by the legislation, will have reliable water supply both now and 20 years into the future considering existing and other new development projects also under consideration. The legislation provides for evaluation of those common water sources in order to confirm their ability to continue supplying existing water users while concurrent projects come on line, as well as keep decisionmakers adequately informed of the proposed projects, and all concurrent development projects' water demands as a measure against current water supply entitlements.

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 are 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 610 (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 (sf) 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.
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

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

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 UWMP for support.

Based on the description in the introduction, the proposed **Beaumont Pointe development 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 over 5,000,000 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 as well as 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 past and current 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.

"The UWMP 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 and 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-

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

effective options and opportunities to meet demands.

The UWMP 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 the same 20-year period. 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, the 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 Beaumont Pointe development project site was included in Table 3-6 of BCVWD's 2015 UWMP (previously identified as Jack Rabbit Trail). The Project site was previously planned with a land use density of, and corresponding water demand for, 2,000 equivalent dwelling units (EDUs). The new BP land use plan estimates a significantly reduced density of 360 EDUs, representing a reduced site density by 82 percent and corresponding water demand estimate.

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 water supply from the SGPWA on a regional basis. The White Papers determined that the rate of growth has reduced and refines the imported water supply accordingly. This is discussed later in this WSA.

3.2 San Gorgonio Pass Water Agency 2015 UWMP

The Beaumont Pointe project 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 3-1 is taken from SGPWA 2015 UWMP (Table 2-4):

Table 3-1 - Projected Water Demands on SGPWA (AF)

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

Note: San Gorgonio Pass Water Agency 2015 UWMP, Table 2-4.

SGPWA's 2015 UWMP states the "retail purveyor demands 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.

Since the Beaumont Pointe project site was included in the demands in BCVWD's 2015 UWMP,

it is considered to be included in the 2015 SGPWA UWMP, adopted by SGPWA Board of Directors as Resolution No. 2017-03, on March 20, 2017. "Other" demands in Table 3-1 reflect the demand from other agencies in SGPWA service area not currently receiving imported water from SGPWA.

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 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]

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.

[4] SGPWA 2015 UWMP

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 BCVWD's 2015 UWMP (Table 6-26) and are repeated in Table 3-2 below. Table 3-2 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 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 3-2 versus those shown above in Table 3-1.

Table 3-2 - BCVWD Imported Water Needs from BCVWD 2015 UWMP

	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	11,313	12,907	14,503	16,343	17,862

Note: Taken from BCVWD 2015 UWMP, Table 6-26. Equal to purchased imported water system for recharge plus make-up for non-potable system and water for banking.

*Includes imported water for non-potable water system since non-potable water system is supplied with potable groundwater.

4. BEAUMONT POINTE PROJECT DESCRIPTION

The Beaumont Pointe development project site is currently located outside of the District's service area, but within its sphere-of-influence adjacent to the District's southwest boundary. The Project consists of a gross area of approximately 540 acres (276.4 net acres). It is located within portions of Sections 1 and 2 of T3S, R2W, which is proposed to be incorporated into the City and annexed into the BCVWD service area as part of the entitlement process. The Project is located south of State Highway 60, and northwest of Jack Rabbit Trail Road and the proposed Hidden Canyon Industrial Park, as shown in Figure 1.

4.1 Project Description

The Beaumont Pointe project is proposed to include general commercial (GC), industrial distribution land uses, and open space. The GC land use will consist of a hotel and retail shopping center. The industrial uses are proposed to include a small self-storage facility and five (5) separate large warehouse 'big-box' structures totaling approximately 5.0 million square feet. Existing 4th Street will be extended northwesterly from its proposed west end within the adjacent Hidden Canyon project. Figure 1 shows the Project vicinity, and Figure 2 illustrates the Land Use Plan.

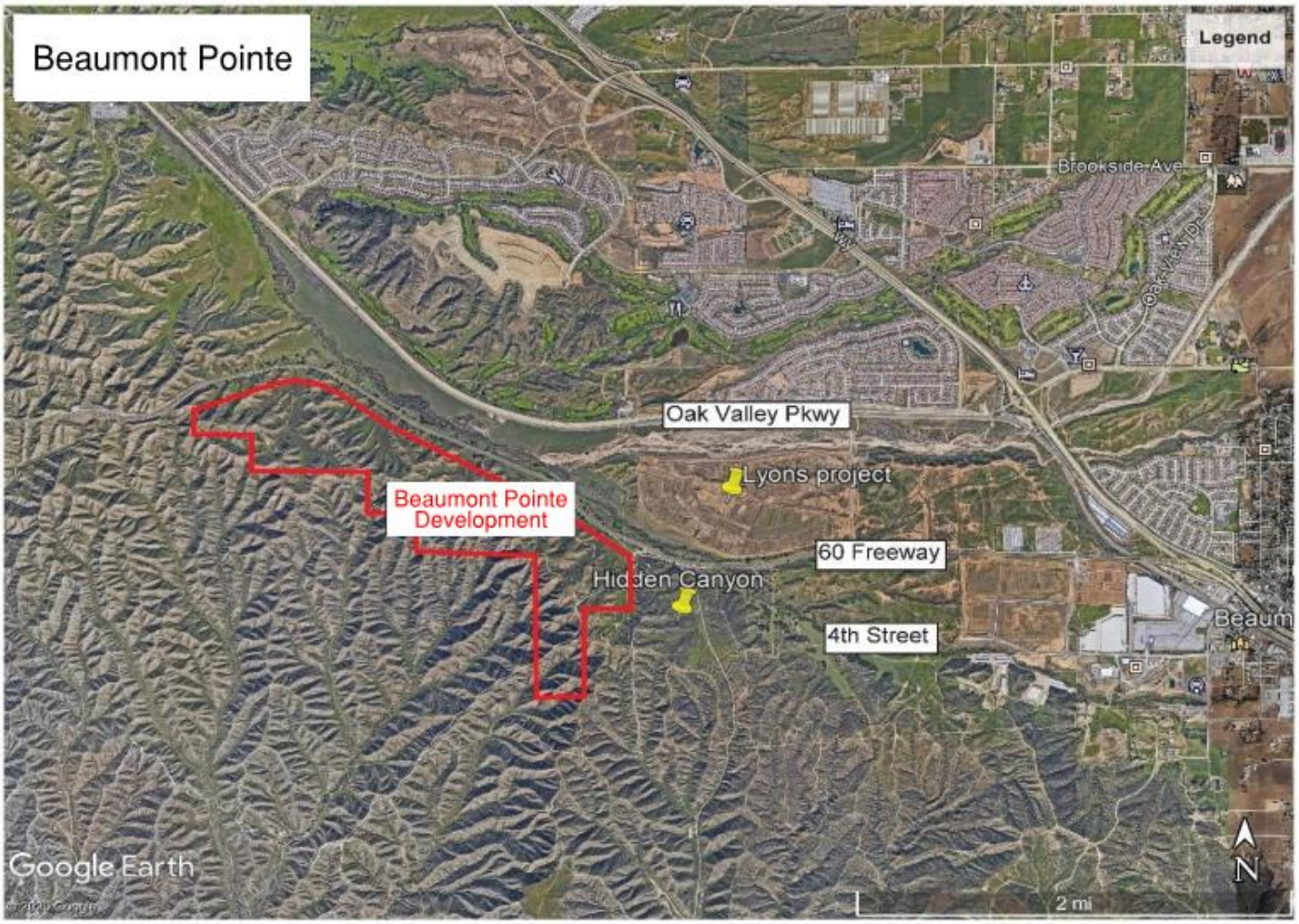


Figure 1 – Beaumont Pointe General Location

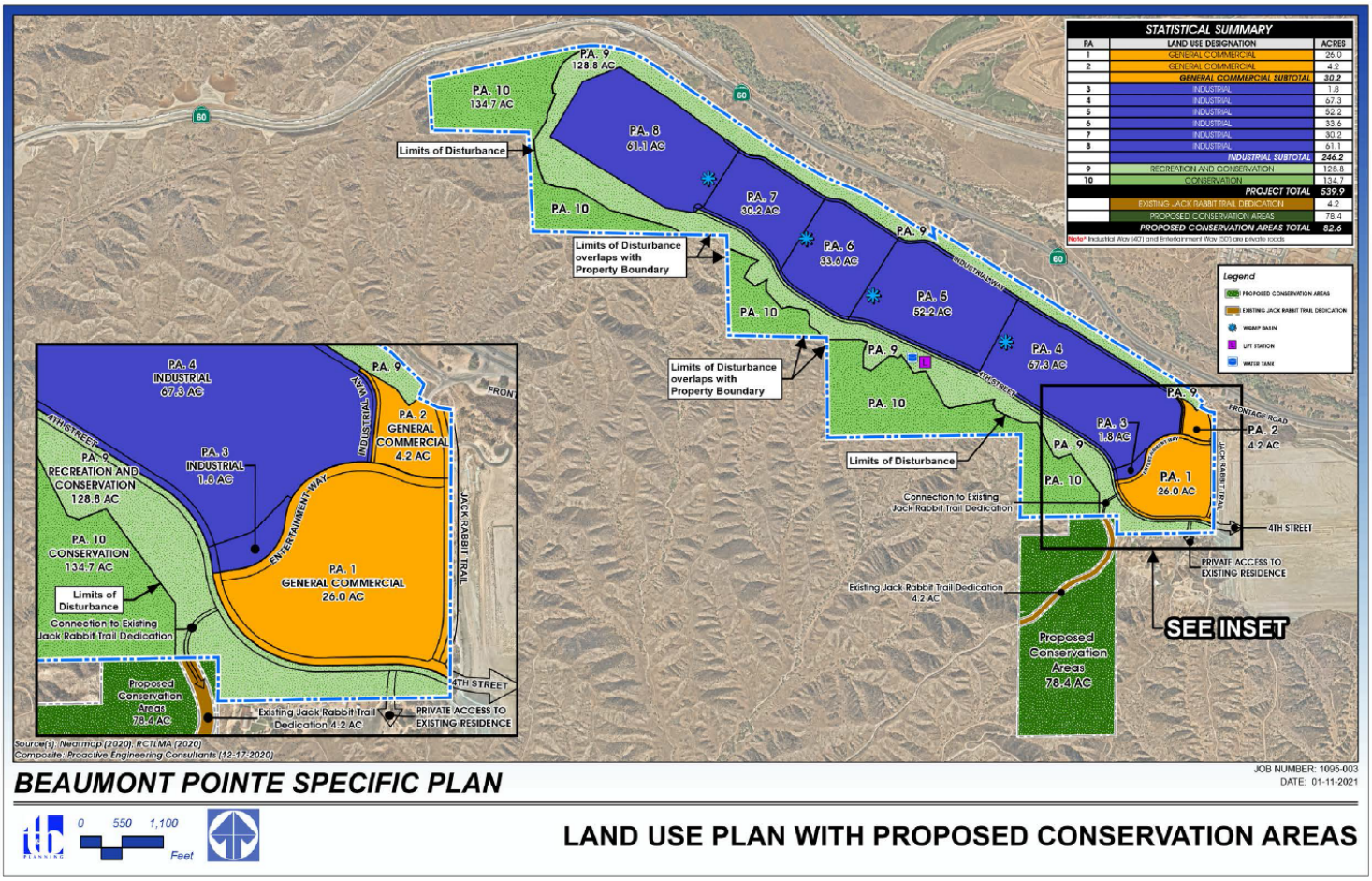


Figure 2 – Beaumont Pointe Land Use Plan

A summary of the land uses is included in Table 4-1:

Table 4-1 - Beaumont Pointe Land Uses [1]

Planning Area	Land Use	Acreage
1 thru 2	Hotel	30.2
	Restaurant	
	Entertainment	
	Landscape	
3 thru 8	Warehouse	246.2
	Office	
	Landscape	
9 and 10	Open Space	263.5
Total		**539.9**

[1] Based on proposed site plan, Alternative 11.

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. Pursuant to BCVWD requirements, landscaping in non-turf areas shall be drought tolerant and irrigated with drip or bubbler type heads.

4.2 Estimated Water Demand

The estimated water demand for the Project is based on recent dialogue with District and the City of Beaumont staff. The total Project consists of approximately 30.2 acres of general commercial land uses and 5.0 million square feet (sf) of industrial distribution warehouse.

For Planning Areas 1 and 2 typical water usage factors used in the industry can range from 1,500 to 3,000 gallons per day (gpd) per acre. Major area water agencies that have published usage factors by land use category includes East Valley Water District (2014) and Eastern Municipal Water District. These agencies have adopted usage factors for general commercial developments at 2,050 and 2,000 gpd per acre to estimate general commercial water demands. Beaumont Pointe includes hotel uses which are typically grouped within the general commercial classification; however, usually exhibit much higher unit water demands. For the purpose of estimating water demands for the WSA, hotel uses are deemed similar to residential uses with a single occupant estimated at 100 gpd per room.

For Planning Areas 3 through 8, BCVWD recently reviewed the total water use for a nearby existing 720,000 sf industrial distribution center east of the Project site (Wolverine), and determined that the maximum water use for "big-box" warehouse distribution developments should be estimated using an employee density factor of one employee per 1,500 sf of warehouse/office space and 15 gpd per employee. This is supported by recent studies prepared by NAIOP [5] as described in the Hidden Canyon Water Supply Assessment. Therefore, because BP Planning Areas 3 through 8 development is virtually identical to the Wolverine "big-box" product this factor is appropriate for the WSA for BP. Thus, the total number of employees contributing to water demand at full buildout of Planning Areas 3 through 8 at BP is estimated to be 3,306h. These usage factors are consistent with the existing Wolverine project and completed planning studies for Hidden Canyon. Planning Areas 9 and 10 will remain open space. Tables 4-2 and 4-3 summarize the estimated BP Project indoor (potable) and outdoor (non-potable) water demands:

[5] 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

Table 4-2 - Planning Areas 1 and 2 - Beaumont Pointe General Commercial Water Demand Estimate

Planning Area	Land Use	Type [1] Quantity	units	Indoor Water Demand Factor [3]		Outdoor Water Demand Factor [4]		[5] Indoor Water Demand		[5] Outdoor Irrigation Demand [6]	
1	Restaurant	30,000	sf	1,000	gpd/ksf	670,000	gal/Ac/Yr	30,000	gpd		
	Entertainment	5.0	Ac[2]	1,500	gpd/Ac			7,438	gpd		
	Irrigation	3.9	Ac	-				-			
	Total Acres	26.0	Ac	-				-		7,159	gpd
2	Hotel	125	keys	100	gpd/key	670,000	gal/Ac/Yr	12,500	gpd		
	Irrigation	0.6	Ac	-				-			
	Total Acres	4.2	Ac	-				-		1,101	gpd
Total	-	**30.2**	**Acres**	**-**		**-**		**49,938**	**gpd**	**8,260**	**gpd**
	-										
Total								**55.9**	**AFY**	**9.3**	**AFY**

[1] Based on proposed site plan, Alt. 11; uses required 15% landscape irrigation.
[2] Total entertainment area = go-cart, rock climbing, trampoline park, bowling alley, and miniature golf = 216,000 sf = 4.96 acres.
[3] Based on typical water usage used by water agencies throughout southern California.
[4] Based on outdoor water demand factor used for Amazon Distribution Center.
[5] Represents demand on BCVWD potable (domestic) water sources until non-domestic water becomes available.
[6] Represents demand that could be served by non-domestic water sources.

Table 4-3 - Planning Areas 3 thru 8 - Beaumont Pointe Industrial Water Demand Estimate

Planning Area	Land Use	[1] Warehouse /Office Bldg Area	Employee count [2]	Project Site Acreage [1] total	Bldg	Irrig.	Indoor Water Demand Factor [2]		Outdoor Water Demand Factor [3]		[4] Indoor Water Demand		[4] Outdoor Irrigation Demand [5]	
3	Self-Storage	25,000	17	1.8	1.5	0.3	15	gpd/emp	670,000	gal/Ac/Yr	260	gpd	496	gpd
	office	1,000												
4	Ware-house	1,369,880	920	67.3	57.2	10.1	15	gpd/emp	670,000	gal/Ac/Yr	13,799	gpd	18,531	gpd
	office	10,000												
5	Ware-house	984,340	663	52.2	44.4	7.8	15	gpd/emp	670,000	gal/Ac/Yr	9,943	gpd	14,373	gpd
	office	10,000												
6	Ware-house	669,400	450	33.6	28.6	5.0	15	gpd/emp	670,000	gal/Ac/Yr	6,754	gpd	9,252	gpd
	office	6,000												
7	Ware-house	583,240	393	30.2	25.7	4.5	15	gpd/emp	670,000	gal/Ac/Yr	5,892	gpd	8,315	gpd
	office	6,000												
8	Ware-house	1,284,800	863	61.1	51.9	9.2	15	gpd/emp	670,000	AF/Ac/Yr	12,948	gpd	16,823	gpd
	office	10,000												
Total	**Ware-house**	**4,916,660**	**3,306**	**246.2**	**209.3**	**36.9**	**15**	**gpd/emp**	**670,000**	**AF/Ac/Yr**	**49,597**	**gpd**	**67,789**	**gpd**
	office	**43,000**												
Total		**4,959,660**									**55.6**	**AFY**	**75.9**	**AFY**

[1] Based on approved site plan and tabulation of proposed land uses, and landscape area required at 15% of total.
[2] Based on recent water demand prepared by BCVWD for similar warehouse development project (Hidden Canyon), which estimated 1 employee per 1500 sf of warehouse/office space.
[3] Based on outdoor water demand factor used for Amazon Distribution Center.
[4] Represents demand on BCVWD potable (domestic) water sources until non-domestic water becomes available.
[5] Represents demand that could be served by non-domestic water sources.

Table 4-2 and 4-3 calculate to a total estimated water demand at BP buildout of 175,584 gpd, or 197 AFY. Based on BCVWD equivalent dwelling unit usage of 0.546 AFY per equivalent dwelling unit, this equates to 360 EDUs. Of the total water demand, candidate non-potable water demand for outdoor irrigation is estimated to be 85.2 AFY, or approximately 43 percent of the total demands of the Project.

5. BCVWD WATER SYSTEM

BCVWD owns and operates the water system which would serve the Beaumont Pointe development project. 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.

BCVWD owns approximately 1,524 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, and the area 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.

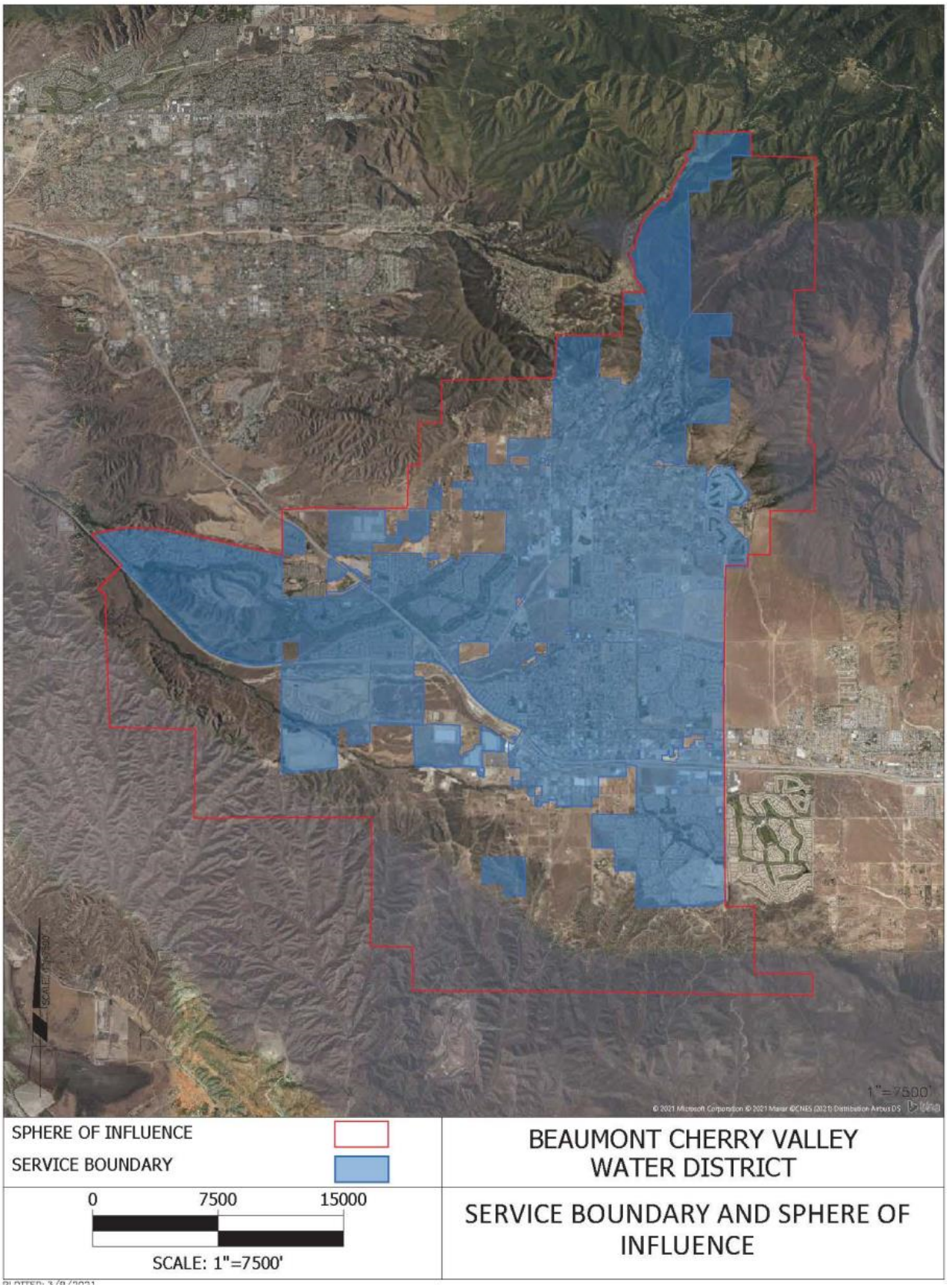


Figure 3 – BCVWD Boundary and Sphere of Influence

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 5-1 presents BCVWD 2019 potable and non-potable water connections and pumping amounts. The number of connections was 5,600 in year 2000, before the housing boom that encompassed Western Riverside County and particularly Beaumont.

Table 5-1 - BCVWD Potable and Non-potable Water Connections and Deliveries 2019

	Potable Water	Non-potable Water (Landscape)	Total
Number of Connections	19,339[(a)]	309	19,648
Water Pumped, AFY	11,447 [(b)]	1,547	12,994
Average Annual, mgd	10.2	1.4	11.6
Maximum Day, mgd	19.2[(c)]	4.3	NA

a) 45 of these connections are agricultural water connections on potable water system.
b) 260 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 three portable generators capable of operating 50, 350 and 500 horsepower (HP) motors. The Beaumont Groundwater Basin is adjudicated and managed by the Beaumont Basin Watermaster[6]. 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 Avenue and Beaumont Avenue. 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.

[6] 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 feet 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 2019, the Edgar Canyon Wells provided about 10.5 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 two (2) average days or one (1) maximum day. The reservoirs provide gravity supply to its respective pressure zones. BCVWD's system is constructed such that higher zone reservoirs can supply water on an emergency basis to lower zone reservoirs. Booster pumps in the system pump water from lower pressure zones to higher pressure zones. This provides 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-inch diameter though there are some 30-inch 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. A number of small, older, distribution lines in the system are gradually being replaced over time with minimum 8-inch 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 Avenue, between Brookside Avenue and Cherry Valley Boulevard, 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, located on the westerly half of the site, went on-line in late summer 2006. Phase 2 of the recharge facility was completed in 2014. To date, only imported water has been recharged at the site. Since its operation in 2006 through the end of 2018, 84,242 acre-feet (27.4 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 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 Avenue, which drains a watershed area of 505 acres to BCVWD's recharge site. This project is planned to be operational by 2022. 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-inch diameter turnout and metering station at the current end of the EBX at Orchard Avenue and Noble Creek in Cherry Valley. Design of an expansion of the turnout was recently completed and began the increased capacity recharge in 2019. Water from the turnout is metered by the Department of Water Resources (DWR) and then enters a 3,500-ft long, 24-inch diameter gravity pipeline, constructed by BCVWD, which conveys the water to BCVWD's groundwater recharge site.

The 24-inch diameter pipeline was constructed in 2006 and at 34 cfs would have a velocity of 10.8 feet per second – a reasonable velocity for a mortar-lined pipeline. If operated eleven months out of the year at that rate, the pipeline could convey 22,500 acre-feet per year. Higher velocities could be tolerated for short periods which would result in increased short-term delivery capacity.

5.4 Non-potable (Recycled) Water System

As of 2018, 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 two (2) million-gallon recycled (non-potable) water reservoir which provides gravity storage for the system. As shown in Table 5-1, at the end of year 2019 approximately 309 connections delivered 1,547 AFY of non-potable water. The BCVWD system includes three major non-potable water pressure zones (2800 Zone, 2600 Zone and 2520 Zone) with plans to expand service to areas requiring two additional pressure zones (3040 Zone, 2370 Zone).

The 2 MG non-potable reservoir, (2800 Zone Non-potable Water Tank) constructed at the BCVWD Groundwater Recharge Site can directly receive potable water or untreated SPW through air-gap connections. The reservoir and non-potable water system can serve 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 with potable groundwater via air-gap at the 2800 Zone Non-potable water reservoir. The 2600 and lower non-potable water pressure zones can also be supplied with potable water through air-

gapped 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 and/or the non-potable water system is tested and approved for recycled water use.

BCVWD is working with the City of Beaumont to secure recycled water for use in the non-potable water system. The City is currently constructing an expansion and upgrade to its existing wastewater treatment facility, which involves installing new membrane bioreactor (MBR) treatment units and additional reverse osmosis membrane treatment. Upon completion, the facility will have a capacity to deliver six (6) million gallons per day (mgd). A brine line from the treatment plant to the Inland Empire Brine Line (IEBL) in San Bernardino is also under construction. A memorandum of understanding (MOU) between BCVWD and the City for recycled water purchase and use was signed in July 2019 and the City and BCVWD are in the process of finalizing and agreement for purchase of recycled water through an ad-hoc committee of City Council members and BCVWD Board Members.

In order to have the ability to use recycled water for recharging when supply exceeds landscape irrigation demand, BCVWD plans to obtain recharge permits. Recycled water for this beneficial reuse could be supplied to BCVWD's groundwater recharge or other area facility. 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, and limited consideration of recent state-mandated conservation and indoor water use requirements.

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 areas, 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 overlier 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 SGPWA service area. These spreadsheets, and their criteria are described in detail in White Paper No. 6, and summarized below:

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 6-1.

Table 6-1 - Major Development Projects in City of Banning

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

The data in Table 6-1 is taken from the water supply spreadsheets; these and other projects have been delayed. As a result, the water supply spreadsheets most likely overestimate the near-term water demands.

Butterfield Ranch (Atwell by Pardee) 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 currently is selling homes to be occupied in 2020. Butterfield Ranch proposes 4,862 EDUs, calculating to an average of 160 EDUs per year over the 30-year build-out period. Rancho San Gorgonio is planned for 3,385 EDUs and was 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 2022 or later.

The spreadsheet for Banning included two other projects:

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

The developers have not yet published construction schedules for these. The spreadsheet assumes 2021 and 2023 for starting, and build out of 5 and 10 years, respectively, which may overestimate District demands over the next few years.

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[7] .

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 2018 Annual Watermaster Report indicates that Banning's reallocated unused overlier pumping amount for 2021 is 1,497 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 52,320 AF banked in their Beaumont Basin Storage account at the end of 2018 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 6-2 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 6-2 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 6-2 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.

[7] Table 5-4 in Banning 2015 UWMP.

Table 6-2 - Summary of Spreadsheet Supply-Demand Model for City of Banning

Demand or Supply	Year				
	2020	2025	2030	2035	2040
Total New EDUs/year	218	388	706	220	220
Potable Water Demand, AFY	7,678	8,406	9,902	10,832	11,400
Banning/Cabazon Groundwater, AFY	9,675	9,675	9,675	9,675	9,675
Beaumont Reallocated Overlier Rights, AFY	1,450	1,100	600	560	560
Total Local Supply, AFY	11,125	10,775	10,275	10,235	10,235
Surplus/(Deficiency)	3,447	2,369	373	-597	-1,165
Imported Water, AFY					1,000
Groundwater Storage Account, AF	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 6-3.

Table 6-3 - 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 BCVWD.

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. First move-ins are scheduled to occur by 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 overlier 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 overlier pumping right was determined by Watermaster for 2018 through 2022 and reported in the 2018 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 overlier parcels as shown on the worksheet in the spreadsheet. BCVWD believes the total unused overlier 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 overlier 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 overlier 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 2018, per Watermaster, the amount in storage was 16,633 AF. YVWD has a 50,000 AF storage account.

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 entitled *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. The Plan indicates a Board policy of banking 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 6-4, but 1,200 AFY is used in the spreadsheet model.

Table 6-4 - YVWD - SGPWA Imported Water Demands

Agency	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

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 3-1.

Table 6-4 also identifies “New Development Long-Term Supply - Sustainability Program” which relates to YVWD’s Strategic Plan for a Sustainable Future. 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 6-5 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 6-5 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 6-5 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.

Table 6-5 - 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	4,904
To (From) Storage, AFY	913	1,993	3,542	4,007	3,232	2,481
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 6-6. The projected EDUs planned or yet to be built are estimated and may vary slightly from City of Beaumont Project Status Report estimates.

Table 6-6 - Major BCVWD Development Projects in Planning or Construction Stages

Project Name	Projected EDUs (Planned or Yet to be Built)	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
Beaumont Pointe (current proposed)	360	2022	2
The Preserve/Legacy Highlands	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[(b)]	---	2018	2019
Rolling Hills Ranch Industrial Ph 2	---	2020	2021
Centerpointe Commercial[(b)]	---	2018	2019
San Gorgonio Village Ph 2[(a)]	---	2020	2021
Total EDUs	***10,904***		

(a) Under construction
(b) Recently completed

Prior "proposed" projects equivalent dwelling units within the BCVWD service area were estimated at 12,544 (Legacy Highlands WSA, June 2020). The BP Project site was previously planned with a land use density of 2,000 equivalent dwelling units (EDUs). The new BP land use plan estimates a significantly reduced density of 360 EDUs, representing a reduced site density by 82 percent. The update presented in Table 6-6, as calculated in Section 4.2, is updated with this lower density for BP contributing to total EDU count of 10,904, and a reduction by 1,640 EDUs. Figure 4 shows the number of single-family home building permits issued in the City of Beaumont since year 2002. (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.

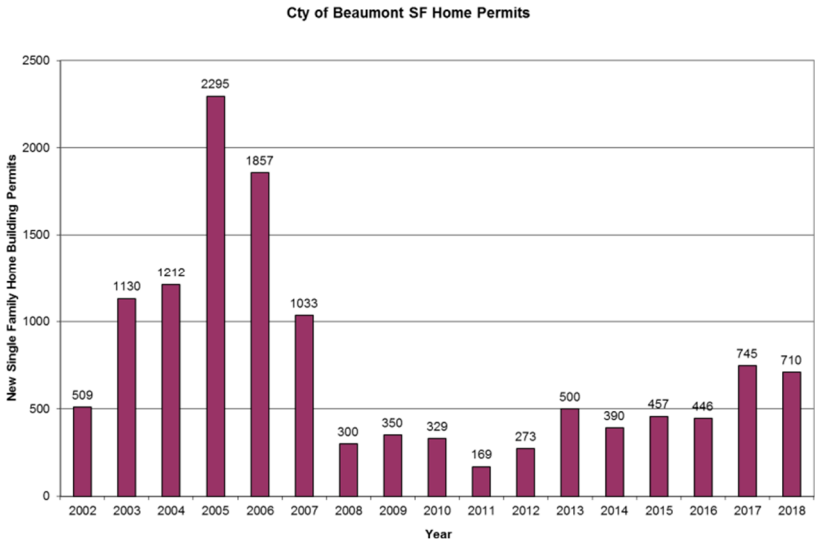


Figure 4
City of Beaumont Single Family Home Permits

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[8,9] densities, was estimated to add a population of approximately 21,700, or about 7,750 EDUs. This was BCVWD's estimate in 2009 using GIS land use data from Riverside County and typical development densities for the various land uses in the General Plan. This estimate included a population growth of 6,736 in the City of Calimesa. BCVWD will not be serving the City of Calimesa as this is within YVWD's service area. Cherry Valley population is being reviewed as part of the 2020 UWMP update work in conjunction with the City of Beaumont's General Plan Update (2020). As a result, the increased 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 the current 2.43 persons per EDU to 2.8 persons per EDU projected at build-out.

The housing unit count within Cherry Valley was 2,874 in 2010 per the census data, but 26.6 percent of those are mobile homes. Adjusting for the reduced water use in mobile homes, the 2,874 housing units are equivalent to about 2,485 EDUs. The Sunny Cal Egg Ranch Development (529 EDUs from Table 6-6), is included with the City of Beaumont's development projects, but is actually within the current Cherry Valley census area. The Sunny Cal EDUs 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.

[8] Pass Area Land Use Plan, October 7, 2003, Part of Riverside County General Plan.
[9] The Pass Area Plan, County of Riverside General Plan Amendment 960, Draft March 2014.

The buildout population and EDUs will be revised in future updates of the BCVWD Potable Water Master Plan and UWMP.

BCVWD believes Cherry Valley will be growing at a low rate keeping with its character of residential rural community, which is 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 Supply Demand Model for BCVWD

Table 6-7 presents a summary of the spreadsheet model for BCVWD's demand which was based on the following criteria:

- 2019 Ending Potable and Non-potable Water Demand: 13,337 AFY
- 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%

Table 6-7 - Summary of Spreadsheet Supply-Demand Model for BCVWD[12]

Demand or Supply	Year						
	2019	2020	2022	2025	2030	2035	2040
Total New EDUs/year	381	580	940 [1]	460	502 [1]	378 [1]	207 [1]
Potable and Non-potable Water Demand, AFY	13,337 [2]	13,668	14,498 [3]	15,188 [4]	16,584 [5]	17,772 [6]	18,337 [13]
Edgar Canyon, AFY	1,700	2,100	2,100	2,100	2,100	2,100	2,100
Beaumont Reallocated Overlier Rights, AFY	1,905 [11]	1,962 [11]	1,826 [11]	1,200	760	760	760
Forbearance Water (Sunny Cal Egg Ranch), AFY	0	50	100 [7]	200	340	340	340
Recycled Water City of Beaumont, AFY	0	1,556	1,808 [8]	2,188	2,840	3,487	3,930
Stormwater Capture, AFY	0	0	0	250	250	250	250
Other Local Water Resource Projects, AFY	0	0	0	250	250	250	250
Total Local Supply, AFY	3,605	5,668	5,834	6,188	6,540	7,187	7,630
Surplus/(Deficiency), AFY	-9,732	-8,000	-8,664 [9]	-9,000	-10,044	-10,585	-10,707
Imported Water for Replenishment, AFY	9,732	8,000	8,664 [9]	9,000	10,044	10,585	10,707
Imported Water for Drought proofing, AFY	1,000	1,000	1,000 [9]	2,000	2,500	2,500	2,500
Total Imported Water, AFY	10,732	9,000	9,664 [9]	11,000	12,544	13,085	13,207
To (From) Storage, AFY	1,000	1,000	0	2,000	2,500	2,500	2,500
Groundwater Storage Account, AF	34,794 [10]	35,794	35,794	41,794	52,294	64,794	77,294

[1] Previous BCVWD planning identified Years 2020 - 2024 with 580 EDU/yr, and old JRT starting in 2030 at 80 EDU/yr for 25 years (Hidden Canyon WSA, Table 8). BP (JRT) update proposes 360 EDUs and buildout in 2022; therefore, 2022 EDUs/yr = 580 + 360 = 940. As such, EDUs/year for 2030, 2035 and 2040 decrease by 50 EDUs/yr, 80 EDUs/yr, and 90 EDUs/yr, respectively. NOTE - 360 EDUs is the Project's Total Potable and Non-Potable Demands

[2] Adjusted for Year 2019, which was 13,129 AFY for 2018 (Legacy Highlands WSA, Table 12); 381 EDU/yr*0.546AFY/EDU = 208 AFY.

[3] Year 2022 adds 2 years at Year 2020 EDU rate at 0.546AFY/EDU plus 197 AFY for BP (updated demand estimate) = 14,498 AFY.

[4] Accounts for 423 EDU's in 2023, 381 EDU's in 2024, and 460 EDU's in 2025. The Project's 197 AF demand is accounted for in the 2022 column.

[5] Accounts for 500 EDUs in 2026, 525 EDUs in 2027, 519 EDUs in 2028, 510 EDUs in 2029, and 502 EDUs in 2030. The District's previous projection accounted for 50 EDUs in the first of year of construction (2030) of the orginal (residential) BP Project. The current Project's 197 AF demand is accounted for in the 2022 column.

[6] Accounts for 474 EDUs in 2031, 467 EDUs in 2032, 456 EDUs in 2033, 402 EDUs in 2034, and 368 EDUs in 2035. The District's previous demand projection accounted for 80 EDUs/yr from 2031-2033, and 90 EDUs/yr in 2034 and 2035 for the original (residential) BP Project. The current Project's 197 AF demand is accounted for in the 2022 column.

[7] Assumes forbearance water credit for Sunny Cal Egg Ranch will be 100 AFY by Year 2022.

[8] Based on proportionate deliveries of recycled water from Year 2020 (1,556 AFY) to 2025 (2,188 AFY), or 126.4 AFY x 2 yrs increase.

[9] For conservative analysis, assumes no increase from Year 2020.

[10] Per Beaumont Basin Watermaster 2018 Annual Report, Section 3.5.

[11] Per Beaumont Basin Watermaster 2018 Annual Report, Table 3-7.

[12] Demand data presented in Table 6-7 represents the most reasonable and accurate demand projections to date. It should be noted that the District is currently analyzing current and future projected demands to be included in its 2020 Urban Water Management Plan Update, which will be submitted to the Department of Water Resources around July 2021. Demands presented herein may be subject to change at the discretion of the District. Demand values currently presented are considered to be conservative.

[13] Assumes uniform 207 EDU/yr increase from 2036-2040; The District's previous demand projections did not extend to 2040. This is considered to be conservative. It is assumed that the 90 EDU/yr trend would continue from 2036-2040 for the original (residential) JRT Project. The current Project's 197 AF demand is accounted for in the 2022 column.

BCVWD's source of supply consists of:

- **Edgar Canyon (Little San Gorgonio Creek) Groundwater** – The annual yield for Edgar Canyon is based on 37 years of pumping records. The average annual production for the period 1983 – 2019 was 2,094 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 have been refurbished and will be refurbished on a regular basis.

- **Beaumont Basin**
    - **Reallocated Unused Overlier Pumping Rights** – Watermaster provided the amount of reallocated overlier rights in the 2018 Annual Report for each year up to 2023. BCVWD was allocated 1,905 AF in 2019 and 1,962 AF in 2020. Thereafter, BCVWD made an estimate based on production and development of the overlier's 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.
    - **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 supply the Sunny Cal Egg Ranch Development with both potable and recycled water. 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 (0) 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 2018, there were 34,794 AF in storage per Watermaster's 2018 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 6-7 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 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 signed a Memorandum of Understanding (MOU) in 2019 which began the process of an agreement for purchase of recycled water by BCVWD 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. 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 of 75 percent 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 entered 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 6-8 presents a summary of the spreadsheet model demands for the City of Banning, YVWD/Calimesa, and BCVWD from Tables 6-2, 6-5, and 6-7 presented previously. The imported water demands include from 3,816 to 7,912 AFY for banking and drought proofing. Table 6-8 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 conservative considering the growth rates in the SGPWA Area.

Table 6-8 - 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	24,659	28,540	31,662	33,799
Local Supply, Banning YVWD/Calimesa, BCVWD, AFY	16,949	17,470	17,949	18,454	19,061	19,504
Imported Water Demand, incl. drought proofing, etc., AFY	10,272	10,860	14,622	16,966	17,736	19,111
Total Imported and Local Supply, AFY	27,221	28,330	32,571	35,420	36,797	38,615
Total to (from) Regional Groundwater Storage, AF	6,085	6,440	7,912	6,880	5,135	3,816
Regional Groundwater Storage, not incl. SGPWA, AF	106,118	117,791	150,592	179,494	189,309	198,804
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	16,222	19,766	21,636	24,087
Total Imported Water Demand, without banking or drought proofing, AFY	9,223	9,109	11,367	13,806	15,676	17,151

7. SGPWA AVAILABLE IMPORTED WATER

At the present time the "firm" supplies of imported water available to SGPWA, or in the final stages of being finalized, by Year 2040 are:

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

These are discussed in White Paper No. 6, and reiterated in Table 6-8:

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 study[10] 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.

In the discussions over the DCP, experts believe the current SWP reliability 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 DCP by 2030 to 2035 is expected to restore reliability to above 60%.

For planning purposes in the WSA, the SWP delivery reliability is assumed to decline at a linear rate from 2020 to 2035. Therefore, by the Year 2035, with a delivery reliability of 48%, the SGPWA can expect only about 8,300 AFY from the SWP. Once the DCP is in place, the reliability will be restored, and possibly improved, over its current 62% reliability.

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

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.[11] 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. Delivery "loss" (termed "carriage cost" in DWR's Bulletin 132 series), in the Delta is typically assumed by DWR to be 20% of the delivered amount, adjusted as needed based on water quality considerations, plus an additional 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 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.[12] For purposes of this WSA, a conservative 30% total loss is assumed, which will reduce the amount that 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 surplus[13]. 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

[11] 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.
[12] Refer to Table 3-1 of SGPWA 2015 UWMP
[13] SGPWA Regular Board Meeting Minutes, October 16, 2017, page 4.

of this agreement will be at least 15 years from now or until about 2032.[14] 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 another 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 take-or-pay agreement, SGPWA must take all of the 1,700 AF each year or pay for 1,700 AF even if the SGPWA does not take all, or any portion, of it in any one year.

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 2018, these agencies sold their Table A water back to the "Turn-back Pool" (discussed later in this WSA). In 2018, the City of Ventura (Ventura) and Casitas Municipal Water District (Casitas MWD) entered into an agreement to exchange Table A water with SGPWA. BCVWD understands the SGPWA is also negotiating to enact an exchange of Table A water with Ventura (and possibly Casitas MWD) for year 2020.

The SGPWA may be considering extending it to a more long-term arrangement. The SGPWA Board of Directors, at the May 4, 2020 meeting, authorized the General Manager to sign the draft agreement presented at the board meeting and authorized staff to complete any and all actions required to document the CEQA exemption, including the filing of the Notice of Exemption, and 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 year 2018, or 5,250 AF considering the Department of Water Resources' 2018 final allocation at 35% (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% 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, presumably during a "wet year". 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"

[14] SGPWA 2015 UWMP

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 allocation. Based on recent 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 potential partner agency utilizes more of their Table A supplies.

Currently, a one-year deal is in process, and it is believed that the SGPWA is pursuing a longer-term arrangement. For the purposes of this WSA, a conservative approach will be taken and no long-term arrangement will be in place.

7.6 Delta Conveyance Project (DCP), formerly 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 are 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 other facilities were scaled down, deferred, or not constructed.

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 more water will be lost to the ocean in future years because of increased runoff and less storage.

The Delta Conveyance Project (DCP), 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 DCP 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.

Governor Newsom has stated his support for a "one-tunnel" DCP in his "State of the State"

address February 12, 2019. Originally planned as Phase 1 of the CWF.

The Delta Conveyance Project (DCP) is moving forward. On January 15, 2020 DWR issued a Notice of Preparation (NOP) for the environmental work on the reduced-size project which started the scoping comment phase. The scoping comment period ended April 17, 2020. DWR will be considering the comments when the Environmental Impact Report is prepared. The draft EIR is expected to be out for review and comment in early 2021.

The Delta Conveyance Project Authority has been established for the design and construction of the DCP. A Delta Conveyance Financing Authority has been established to develop the financing. The DCP is anticipated to be funded by revenue bonds issued by the State or a Jojnt 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, DCP requires changes to the water rights permits for the State Water Project (SWP) Debt Service taxes. White Papers No. 3 and 6 provide more details on the funding, etc. The DCP is not expected to be operational until Year 2035. Until then, the reliability of the SWP would gradually degrade over time to 48% without the DCP due to a variety of reasons.

The original CWF with its two-tunnel approach was 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 at or slightly above the current reliability. It is not known to what amount of reliability increase will result from the new DCP but, to be conservative, it is assumed the reliability will be restored to 60 to 62%.

Without DCP, 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 from 10,380 AFY to 10,726 AFY at 60% and 62% reliability, respectively.

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 near the Town of Maxwell, CA. 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 in the original project proposal would have had 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 original project cost estimate was over $5 billion.

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. The Authority prepared a Value Planning Study in October 2019 to identify alternatives which would make the project more affordable. The Report was completed in April 2020 which scaled down the original project.

A preliminary analysis indicated that reservoir sizes of 1.3 to 1.5 million acre-feet (MAF) with assumed diversion criteria would be able to provide enough water to meet current participant demands. The Tehama-Colusa Canal and the Colusa Basin Drain would be used as the conveyance systems. The recommended project includes 1.5 MAF and 1,000 cfs of release capacity into the Sacramento River or to the Colusa Basin Drain at Dunnigan, and 243,000 AFY long term yield, was estimated at a cost of $3.0 billion.

The project Authority stated the 21 agencies put up $27 million for planning and studies with another $19 million due October 2020 to continue the process. 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 obtain permits.

SGPWA has made a financial commitment of 10,000 AF and BCVWD has committed to 4,000 AF (total 14,000 AF) to the Sites Project Authority to fund Phase 1 of the Sites Reservoir Study. Reliability is between 65% (worst-case) and 100%[15]. The result is 9,100 AFY at 65% reliability.

Sites Reservoir will not produce water until about Year 2030; however, costs will be incurred by project participants moving forward. For the purposes of the WSA analysis it is assumed that water will not be available until 2035. The Authority's current plan will finance Phase 2 costs on a year-by-year basis.

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

Although the Sites Reservoir is not expected to deliver water for another 15 years, currently the project is moving forward and is named in the Governor's Water Resiliency Plan. The project has been awarded a substantial CWC Proposition grant. The Sites Project Authority is continuing to refine its financing plan to fund the study phases. The reservoir is an "off-stream" reservoir giving it a reduced environmental footprint. Although there is some risk in the implementation, with each study phase completed the risk becomes less and the project is more certain.

7.8 Sale of State Water Project Contractors Restoration of DCP Reliability Benefits

All 'South of the Delta' SWP Contractors pay their proportionate share of the DCP costs. With the implementation of the DCP, 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 DCP, for various reasons, a few SWP Contractors may not need the benefits of the increased yield and may be interested in transferring (selling) their incremental yield to other interested SWP Contractors, such as SGPWA. Currently, not enough is known about the sale of incremental yield and, therefore, will not be considered until it is better defined.

[15] See White Paper No. 1, Table 3

7.9 Purchase or Leasing of Metropolitan's Original CWF Phase 2 Water

With original CWF 2-tunnel, 2-phase concept, Metropolitan Water District of Southern California (Metropolitan) board of Directors voted to fund their share of the original CWF plus agreeing to fund the second phase of the CWF (second tunnel), i.e. the Central Valley Project share. This would have made water available for Metropolitan to sell/lease to other interested parties, e.g. SGPWA. With the DCP scaled down to one tunnel, this does not appear to be an option any longer.

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 7-2 presents an analysis of Article 21 Water availability to SGPWA based on DWR records from 1969 – 2015. Two periods of time were analyzed: total record and recent record.

Table 7-1 - 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
75th Percentile, AFY	1,544	1,550

Article 21 water was available during the heavy snowfall year 2018-19 although the SGPWA was not able to take advantage of this since the BCVWD connection was out of service due to construction of the expanded turnout and the SGPWA's Fiesta Recharge Facility was not operational.

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 entitlement, 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 relatively low set price to other State Water Contractors. Turn-back Pool Water has only been available since about 1996 following 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 can take advantage of this water whenever it is available, and can consider short term transfers whenever available. Transfers of SWC Table A is subject to the SWP delivery reliability.

7.11 Summary of Available Imported Water Supplies

Table 7-2 summarizes the range of 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 0.21% of the available

water. In addition, through their State Water Contract, SGPWA can purchase Article 21 Water and Turn-back Pool Water.

The SGPWA has agreed to support the original CWF and participate in its funding, and it is assumed the SGPWA will support the DCP. BCVWD and SGPWA have made financial commitments to Sites Reservoir, and currently plan to contribute to future phases of the Sites Reservoir project.

Table 7-3 presents a summary of current and projected SGPWA imported water supplies, through 2040 in 5-year increments based on the yields in Table 7-2. Figure 5 shows the sources of imported water supply and the regional imported water demand with and without banking and drought proofing.

Table 7-2 - 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 Delta Conveyance Project (DCP) 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
Delta Conveyance Project (DCP)	0	0	Will increase reliability of State Water Project (SWP) back to 60 to 62%
Sites Reservoir	9,100	14,000	Worst case with 65% assumed reliability. (BCVWD has committed to 4,000 AFY of the 14,000 AFY)
Total Imported Water Potentially Available	22,800	32,280	

Table 7-3 - Regional Summary of SGPWA Imported Water Supply, AFY

Source	Year					
	2018	2020	2025	2030	2035	2040
Imported Water Demand Table 6-8	10,272	11,360	16,222	19,766	21,636	24,087
Imported Water Demand, Table 6-8, without banking or drought proofing	9,223	9,109	11,367	13,806	15,676	17,151
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 (potential)					2,000	2,000
Extension of AVEK Nickel agreement						1,700
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	14,700	13,700
DCP Reliability Recovery to 60% (worst case)					2,080	2,080
Sites Reservoir (worst case)					9,100	9,100
Total Imported Water Supply	19,530	18,035	14,824	15,812	25,880	24,880

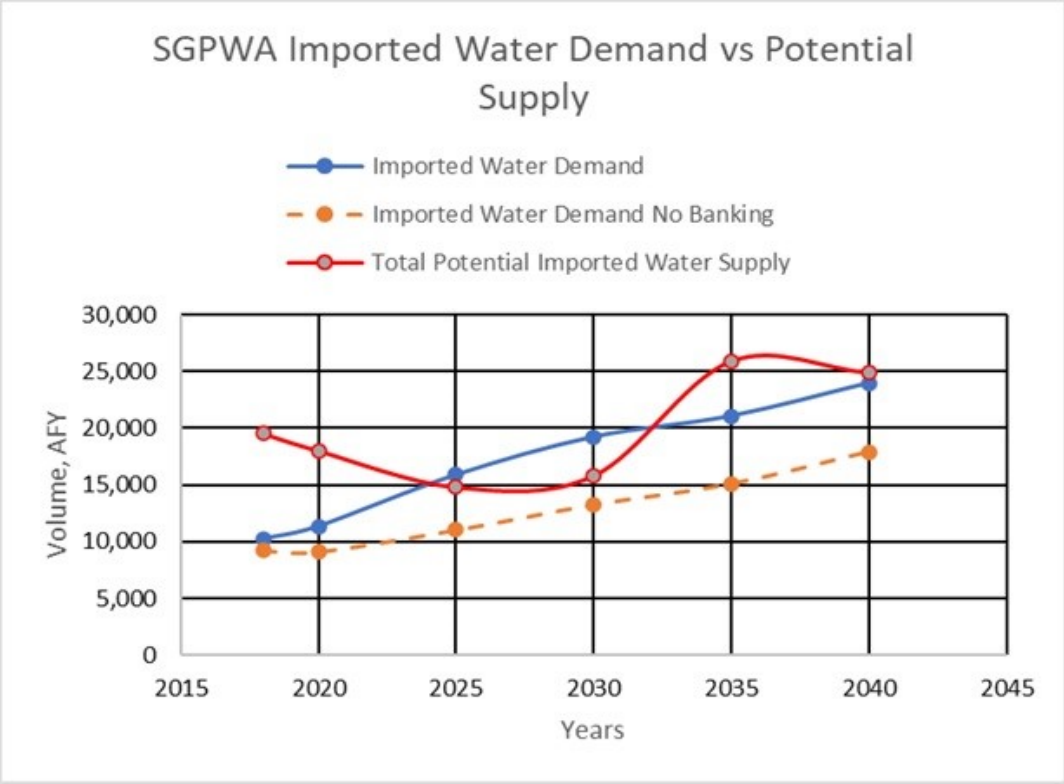


Figure 5
SGPWA Imported Water Sources and Demand to 2040 (Worst Case Conditions)

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 agency total demands are shown in Table 6-8.) BCVWD has determined these are very conservative and it is unlikely that 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. Nevertheless, Table 6-8 shows that about 6,000 AFY will be banked regionally by the water suppliers between now (2020) and 2025, which is about 30,000 AF of additional water in storage for a total of 150,592 AF in storage by year 2025.

From 2025 to 2035 (when DCP and Sites Reservoir become operational), adequate imported water supply will be available 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 DCP and Sites Reservoir come on-line.

7.12 Contingency Plan

It is recognized that DCP and Sites could be delayed or perhaps reduced in size and capacity. But, as these projects go through the design and permitting process over the next few years, these risks will be assessed. SGPWA can take action to supplement its existing supply with short-term exchanges and transfers from other agencies. If it is evident that DCP and/or Sites

Reservoir will be delayed indefinitely, 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 sea water desalination projects with water exchanges.

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. As presented in Section 7 and Figure 5, SGPWA will have enough, 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 beyond 2040 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 and Phase 2 - 2019. Figure 6 shows BCVWD's demand is less than the available supply. Figure 6 is based on the data in Table 6-7. Figure 7 shows the accumulated volume in BCVWD's Beaumont Basin groundwater storage account. By 2040, the storage account is almost full (77,294 AF in storage). Table 6-7 indicates that BCVWD's imported water demand will be 10,707 AFY in 2040; this means that BCVWD is projected to have 7.2 years of imported water demand in storage which can be used to supply water during drought periods even if no SPW is available.

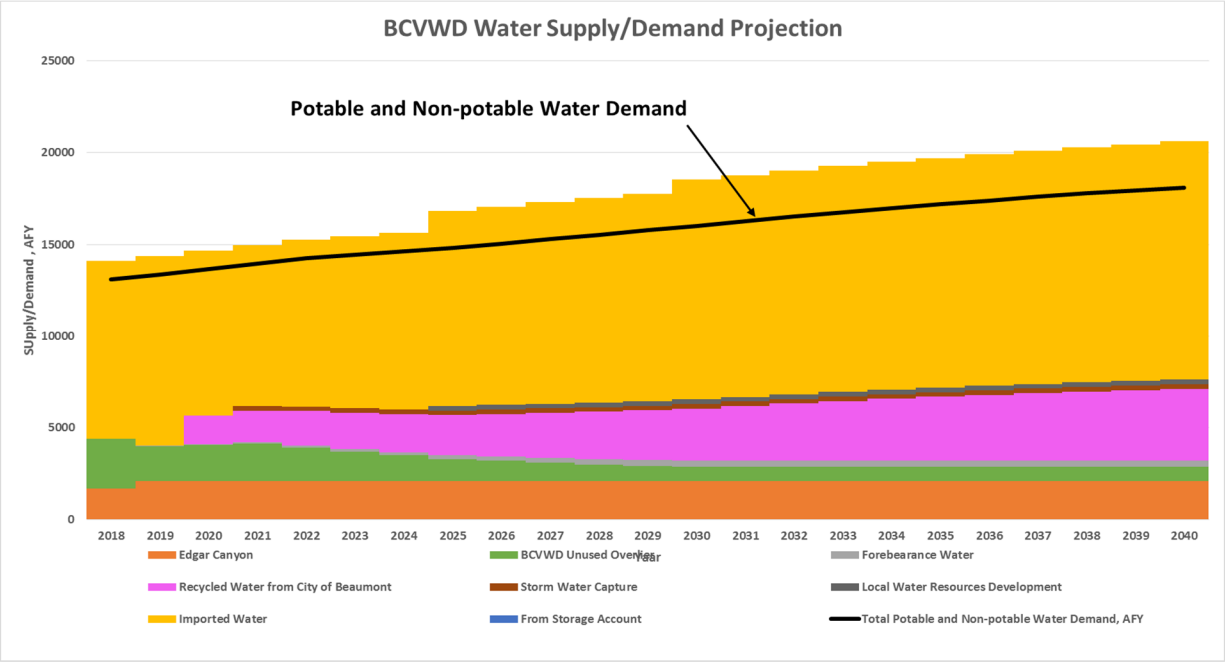


Figure 6
BCVWD's Water Supply and Demand Projection to 2040

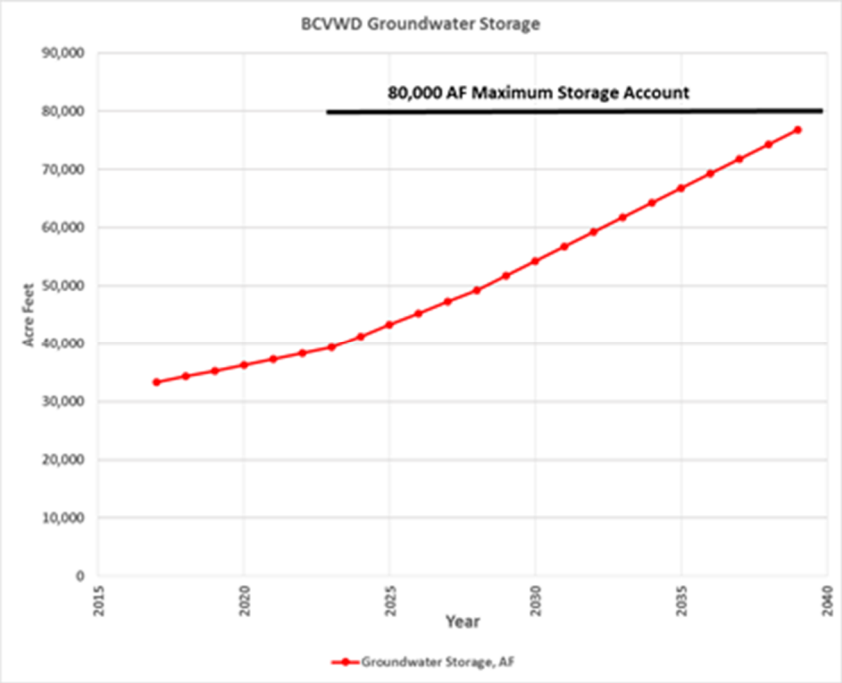


Figure 7
BCVWD's Groundwater Storage Balance to 2040

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 provided the projects and agreements identified are implemented. 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 2018, there were 34,794 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.

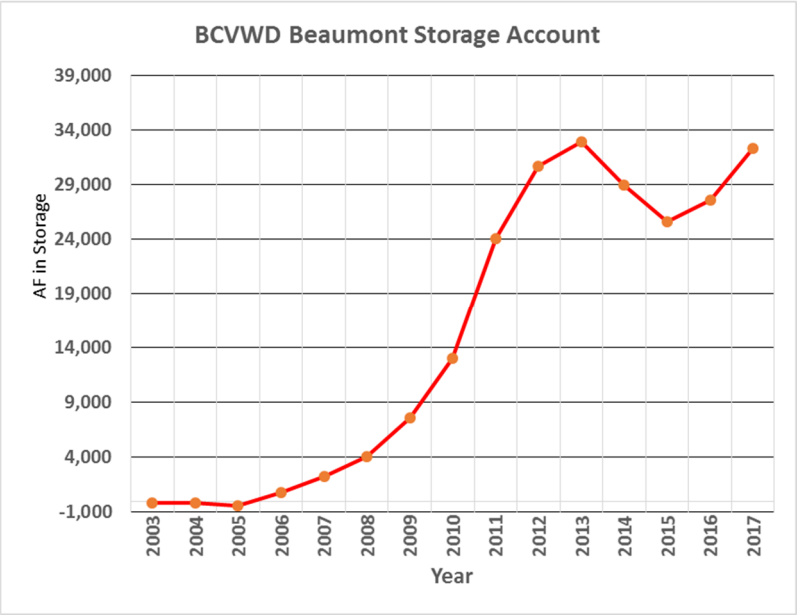


Figure 8
BCVWD Historic Beaumont Basin Groundwater Storage Account

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.

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 9-1 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 9-1 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.

Table 9-1 - Summary of BCVWD's Forbearance and Reallocated Overlier Pumping Rights

Item	2019	2020	2025	2030	2035	2040
Total Allocated Overlying Party Rights, and Forbearance Water from Table 6-7, AFY	1,905	2,012	1,400	1,100	1,100	1,100
Expected to be Available for Single and Multiple Dry Year Analysis, AFY	2,300	1,710	1,190	935	935	935

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 2,094 AFY (rounded to 2,100 AFY) based on records from 1983-2019. 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 1983-2019 were determined and are presented in Table 9-2 along with the Base Period for moving averages.

Table 9-2 - 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-, 4-, 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 9-3.

Table 9-3 - SGPWA SWP Delivery Capability as Percent of Table A (Based on 2017 DWR SWP Delivery Capability Report)

Dry Year(s)	Single	2-year	4-year	6-year
Table A Annual Delivery Average Over the Drought Period, %	8	14	16	13

The percentages in Table 9-3 were compared to actual SWP delivery allocations for the period 1992 to 2020, a 28-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)

The actual minimum year and minimum 2 and 3 consecutive years allocation percentages are less than those reported in the 2017 DWR SWP Delivery Capability Report. The 2017 Report replaced the 3-year statistic with a 4-year statistic but is conservatively assumed to be an equivalent measure. Therefore, for the reliability analysis in the BP WSA, the lowest allocation percentages were used, as shown in Table 9-4:

Table 9-4 - 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	16	13

It should be noted that not all SGPWA imported water sources will be available during extended dry periods.

Yuba Accord Water is a dry-year program of which SGPWA can expect 200 AFY 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 Delta Conveyance Project reliability recovery water and the Delta Conveyance Project Side Deals would be available during extended dry periods but are subject to the average Table A delivery percentages as SPW in Table 9-4.

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 storm 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 (borrowed from 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[16].

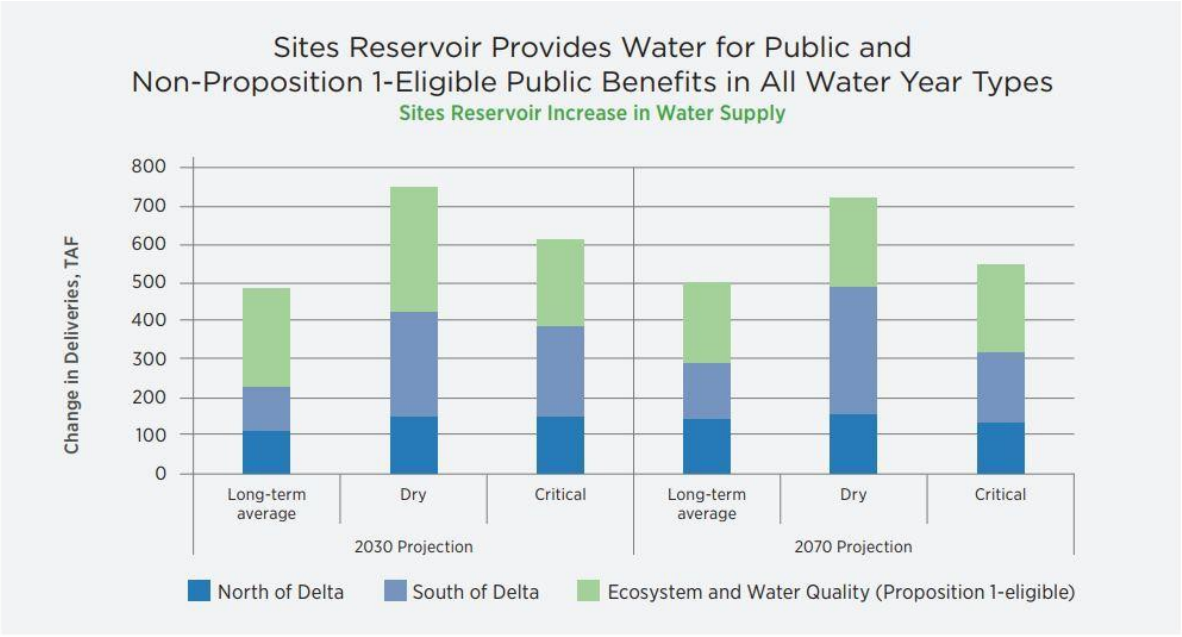


Figure 9 - Sites Reservoir Available Water 2030 and 2070

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 9-5 presents a summary of the preliminary estimates of Sites Reservoir Water available to SGPWA.

[16] Sites Project Authority (2017). Sites Project Executive Summary for California's Water Storage Investment Program, August 14.

It is important to note this is a preliminary estimate developed prior to the Value Planning Analysis.

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 the BP WSA, the year 2030 values will be used for 2030 through 2040. The "critical" volume will be used for all the dry period analyses to be conservative.

Table 9-5 - 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	11,400	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 9-6 through 9-9 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 9-6 - 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	1,700
Subtotal	2,765	2,765	2,765	2,765	2,765
DCP Allocation (5% of Reliability Recovery, 2080 AFY)				104	104
Sites Reservoir Critical Dry Period				16,400	16,400
Total Imported Water Supply	2,765	2,765	2,765	19,269	19,269

Table 9-7 - 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	1,700
Subtotal	4,063	4,063	4,063	4,063	4,063
DCP Allocation (12.5% of Reliability Recovery, 2080 AFY)				260	260
Sites Reservoir Critical Dry Period				16,400	16,400
Total Imported Water Supply	4,063	4,063	4,063	20,723	20,723

Table 9-8 - 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 (16%)	2,768	2,768	2,768	2,768	2,768
Yuba Accord (Dry Year Program)	200	200	200	200	200
AVEK Nickel (Not Affected)	1,700	1,700	1,700	1,700	1,700
Subtotal	4,668	4,668	4,668	4,668	4,668
DCP Allocation (16% of Reliability Recovery, 2080 AFY)				333	333
Sites Reservoir Critical Dry Period				16,400	16,400
Total Imported Water Supply	4,668	4,668	4,668	21,401	21,401

Table 9-9 - 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 (13%)	2,249	2,249	2,249	2,249	2,249
Yuba Accord (Dry Year Program)	200	200	200	200	200
AVEK Nickel (Not Affected)	1,700	1,700	1,700	1,700	1,700
Subtotal	4,149	4,149	4,149	4,149	4,149
DCP Allocation (13% of Reliability Recovery)				270	270
Sites Reservoir Dry Period				16,400	16,400
Total Imported Water Supply	4,149	4,149	4,149	20,819	20,819

Table 9-10 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 9-10 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 9-10 - Summary of SGPWA Regional Imported Water Supply and Demand Single and Multiple Dry Years

Source	2020	2025	2030	2035	2040
Demand without Banking or drought proofing (Tables 6-8, 7-4), AFY	9,109	11,367	13,806	15,676	17,151
Total Supply					
Single Dry Year (Table 9-6), AFY	2,765	2,765	2,765	19,269	19,269
2 Consecutive Dry Years (Table 9-7), AFY	4,063	4,063	4,063	20,723	20,723
3 Consecutive Dry Years (Table 9-8), AFY	4,668	4,668	4,668	21,401	21,401
6 Consecutive Dry Years (Table 9-9), AFY	4,149	4,149	4,149	20,819	20,819

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 9-11 shows the allocation percentages.

Table 9-11 - 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	5.8%
YVWD/Calimesa	6.7%	6.7%	7.0%	7.6%	8.4%
BCVWD	87.8%	79.2%	72.8%	67.5%	62.4%
Other Member Agencies	5.5%	14.1%	20.3%	24.9%	29.2%
Total	100%	100%	100%	100%	100%

Table 9-12 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 9-10 and the allocation percentages in Table 9-11.

Table 9-12 - BCVWD Available Imported Water During Single and Multiple Dry Year Periods

Scenario	Year				
	2020	2025	2030	2035	2040
Single Dry Year, AFY	2,428	2,189	2,012	13,011	12,029
2 Consecutive Dry Years, AFY	3,568	3,217	2,956	13,993	12,937
3 Consecutive Dry Years, AFY	4,100	3,696	3,396	14,451	13,360
6 Consecutive Dry Years, AFY	3,644	3,285	3,018	14,058	12,997

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.

The average year amount of recycled water from the City of Beaumont is taken from Table 6-7. As stated in the discussion for Table 6-7, 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 9-13 provides an estimate of the available recycled water during extended dry periods from the City of Beaumont.

Table 9-13 - BCVWD Available Recycled Water During Single and Multiple Dry Year Periods

Agency	Year				
	2020	2025	2030	2035	2040
Average Year (Table 6-7), 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 9-14. 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 9-14 - 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 6-7 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 6-7. Water supply for single dry year, 2 consecutive dry years, 3 consecutive dry years, and 6 consecutive dry years are presented in Tables 9-15 through 9-18 respectively.

Table 9-15 - BCVWD Water Supply Summary – Critical Dry Year

Single Dry Year						
	YEAR					
	2020	2022	2025	2030	2035	2040
DEMAND						
Total Water Demand	13,668	14,498	15,188	16,584	17,772	18,337
SUPPLY						
Groundwater						
Edgar Canyon, AFY	1,117	1,117	1,117	1,117	1,117	1,117
Beaumont Basin, Allocated Overlier Pumping Rights and Forbearance Water, AFY	1,710	1,502	1,190	935	935	935
Storm Water, AFY	90	90	90	90	90	90
Other Local Water Resource Projects, AFY	90	90	90	90	90	90
Recycled Water, AFY	1,400	1,628	1,970	2,555	3,135	3,535
Imported SPW,AFY	2,428	2,332	2,189	2,012	13,011	12,029
Subtotal Supply, AFY	6,835	6,579	6,646	6,799	18,378	17,796
From Banked Beaumont Basin Storage, AF	6,833	7,739	8,542	9,785	-606	541

Table 9-16 - BCVWD Water Supply Summary – 2 Consecutive Dry Years

2 Consecutive Dry Years						
	YEAR					
	2020	2022	2025	2030	2035	2040
DEMAND						
Total Water Demand	13,668	14,498	15,188	16,584	17,772	18,337
SUPPLY						
Groundwater						
Edgar Canyon, AFY	1,173	1,173	1,173	1,173	1,173	1,173
Beaumont Basin, Allocated Overlier Pumping Rights and Forbearance Water, AFY	1,710	1,502	1,190	935	935	935
Storm Water, AFY	90	90	90	90	90	90
Other Local Water Resource Projects, AFY	90	90	90	90	90	90
Recycled Water, AFY	1,320	1,536	1,860	2,415	2,960	3,340
Imported SPW,AFY	3,568	3,428	3,217	2,956	13,993	12,937
Subtotal Supply, AFY	7,951	7,819	7,620	7,659	19,241	18,565
From Banked Beaumont Basin Storage, AF	5,717	6,679	7,568	8,925	-1,469	-228
Total Volume Withdrawn from Storage, AF	11,434	13,359	15,136	17,849	-2,937	-455

Table 9-17 - BCVWD Water Supply Summary – 3 Consecutive Dry Years

3 Consecutive Dry Years						
	YEAR					
	2020	2022	2025	2030	2035	2040
DEMAND						
Total Water Demand	13,668	14,498	15,188	16,584	17,772	18,337
SUPPLY						
Groundwater						
Edgar Canyon, AFY	1,230	1,230	1,230	1,230	1,230	1,230
Beaumont Basin, Allocated Overlier Pumping Rights and Forbearance Water, AFY	1,710	1,502	1,190	935	935	935
Storm Water, AFY	90	90	90	90	90	90
Other Local Water Resource Projects, AFY	90	90	90	90	90	90
Recycled Water, AFY	1,320	1,536	1,860	2,415	2,960	3,340
Imported SPW,AFY	4,100	3,938	3,696	3,396	14,451	13,360
Subtotal Supply, AFY	8,540	8,368	8,156	8,156	19,756	19,045
From Banked Beaumont Basin Storage, AF	5,128	6,112	7,032	8,428	-1,984	-708
Total Volume Withdrawn from Storage, AF	15,384	18,335	21,096	25,283	-5,951	-2,123

Table 9-18 - BCVWD Water Supply Summary – 6 Consecutive Dry Years

6 Consecutive Dry Years						
	YEAR					
	2020	2022	2025	2030	2035	2040
DEMAND						
Total Water Demand	11,618	12,323	12,910	14,096	15,106	15,587
SUPPLY						
Groundwater						
Edgar Canyon, AFY	1,367	1,367	1,367	1,367	1,367	1,367
Beaumont Basin, Allocated Overlier Pumping Rights and Forbearance Water, AFY	1,710	1,502	1,190	935	935	935
Storm Water, AFY	90	90	90	90	90	90
Other Local Water Resource Projects, AFY	90	90	90	90	90	90
Recycled Water, AFY	1,320	1,536	1,860	2,415	2,960	3,340
Imported SPW,AFY	3,644	3,500	3,285	3,018	14,058	12,997
Subtotal Supply, AFY	8,221	8,085	7,882	7,915	19,500	18,819
From Banked Beaumont Basin Storage, AF	3,397	4,238	5,028	6,181	-4,394	-3,232
Total Volume Withdrawn from Storage, AF	20,381	25,427	30,167	37,087	-26,361	-19,393

Table 9-15 through 9-18 demonstrate BCVWD can provide water to the planned developments listed in Table 6-6 (Section 6) which include the Beaumont Pointe development project during critical dry year and multiple dry year periods by relying on BCVWD's Beaumont Basin Groundwater Storage assuming DCP and Sites Reservoir are on-line as planned. BCVWD will need to maintain 25,713 AF of water banked in storage to meet the 6-year dry period by the time Sites Reservoir and the DCP 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 2018, 34,794 AF in storage.

Table 6-7 provided BCVWD's Beaumont Basin storage account balance under the basis of average water supply conditions assuming the development projects listed in Table 6-6 were constructed. Table 6-7 shows a steady increase in projected groundwater storage from 35,794 AF in 2020-22 to approximately 77,294 AF in the year 2040. To achieve this level of storage, BCVWD will be banking additional water for drought proofing to supply water during critical and multiple dry year period.

The water banking pursuant to 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*[17].

In addition to BCVWD, YVWD/Calimesa and the City of Banning have storage accounts which when combined with BCVWD's will have an estimated 117,800 AF in storage as of the end of 2021. Tables 6-2 and 6-5 (Section 6 herein) show that the storage accounts for YVWD/Calimesa and the City of Banning these agencies are projected to have 50,000 and 76,510 AF, respectively, 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.

[17] BCVWD (2015). UWMP, pg 7-4

10. CONCLUSIONS

1. The projected water demand from the Beaumont Pointe development project is 197 AFY of which 85.2 AFY is outdoor, non-potable water use. This compares to BCVWD's current demand of 13,668 AFY (estimated for 2020).
2. The Beaumont Pointe development project site was included in the list of planned development projects in BCVWD's 2015 UWMP (previously identified as Jack Rabbit Trail) which demonstrated adequate water supplies upto the year 2040. The BP project site was previously planned with a land use density of 2,000 equivalent dwelling units (EDUs). The new BP land use plan estimates a significantly reduced density by 1,640 EDUs for a new proposed Project total of 360 EDUs, representing reduced site density and water demand by 82 percent.
3. BCVWD prepared a series of White Papers which analyzed the regional (SGPWA) imported water supply requirements and funding requirements. These White Papers are referenced for the BP 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 indicate 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 currently planned for the short and long terms.
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. The City and BCVWD signed a Memorandum of Understanding (MOU) in 2019 which began the process of an agreement for purchase of recycled water by 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 commit funds to Phase 2.
7. Adequate water supply exists, or is planned, for the Beaumont Pointe development project to 2040 and beyond as outlined in Tables 9-6 through 9-9. BCVWD can meet the Project needs as well as BCVWD's existing demands and the demands of the other planned developments within BCVWD's service area which are listed in the BP WSA.
8. Multiple dry-year reliability analysis demonstrates that BCVWD will be able to meet its existing demands and the demands of the other planned developments within its service area which were listed in the BP WSA. BCVWD will supplement its 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 the BP WSA, BCVWD has determined that currently available and planned supplies are sufficient to meet the water demands of the proposed BP project in addition to the existing and other planned project demands during normal, single dry and multiple dry years over the next 20 years, as outlined in Tables 9-15 through 9-18.
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 the long-term needs of the Beaumont Pointe in addition to the existing and other planned project demands during normal, single dry and multiple dry years over the next 20 years, as outlined in Table 9-15 through 9-18.

11. REFERENCES

1. TTM 31570 – Legacy Highlands WSA, Beaumont Cherry Valley Water District, revised June 2020.
2. Hidden Canyon Industrial Park WSA, Beaumont Cherry Valley Water District, February 2019.
3. Beaumont Basin Watermaster 2017 Annual Report, March 2018.
4. Beaumont Basin Watermaster 2018 Annual Report, February 2020 draft
5. 2019 DWR State Water Project Delivery Capability Report, August 2020.
6. 2015 Urban Water Management Plan, Beaumont Cherry Valley Water District, adopted January 17, 2017; acknowledged by California Department of Water Resources, March 14, 2018.

RESOLUTION 2021-__

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE BEAUMONT-CHERRY VALLEY WATER DISTRICT APPROVING THE WATER SUPPLY ASSESSMENT FOR THE BEAUMONT POINTE COMMERCIAL AND INDUSTRIAL PROJECT

WHEREAS, the Beaumont Pointe Commercial and Industrial Project site is approximately 539.9 gross acres located south of State Highway 60 and west of Potrero Boulevard, upon Riverside County Assessor's Parcel Nos. 422-060-002, 422-060-005, 422-060-009, 422-060-010, 422-060-016, 422-060-017, 422-060-018, 422-060-021, 422-060-022, 422-170-005, 422-170-008; and

WHEREAS, the project consists of general commercial/retail land use on approximately 30.2 acres and five (5) large graded building pads with each building pad totaling approximately 1.0 million square feet of warehouse/office structures (5.0 million square feet in total), therefore qualifying as a "project" under the Water Code, and requiring the preparation of 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 reviewed the WSA prepared by the Applicant's engineer, which includes any and all WSA addendums; and

WHEREAS, the WSA relied on existing information in the Urban Water Management Plan and more recent District water planning analysis and 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 into consideration the WSA and engaging in due deliberations, the Board does hereby adopt the Beaumont Pointe Commercial and Industrial Project Water Supply Assessment.

//

//

ADOPTED this _____ day of _____, 2021, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

ATTEST:

_____ _____

Director Daniel Slawson, 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

Attachment: Water Supply Assessment for the Beaumont Pointe Commercial and Industrial Project prepared by Charles Marr Consulting and Pacific Advanced Civil Engineering, Inc.

422-060-002	422-060-005	422-060-009
422-060-010	422-060-016	422-060-017
422-060-018	422-060-021	422-060-022
422-170-005	422-170-008	

Beaumont-Cherry Valley Water District
Regular Board Meeting
June 9, 2021

Item 6

STAFF REPORT

TO: Board of Directors

FROM: Dan Jaggers, General Manager

SUBJECT: **Request for *Will-Serve Letter* for the Beaumont Pointe (formerly Jack Rabbit Trail) Project located south of State Highway 60 and west of Potrero Boulevard**

Staff Recommendation

Consider the request for provision of water service for the Beaumont Pointe Development Project, located south of State Highway 60 and west of Potrero Boulevard.

A. Approve the request of "Will-Serve Letter" for Water Service for a term of one year, or;

B. Deny the request of "Will-Serve Letter" for Water Service

Background

At the April 22, 2021 Board of Directors Engineering Workshop, District staff presented the Water Supply Assessment (WSA) for the Beaumont Pointe (formerly Jack Rabbit Trail) Development Project (BP or Project), which is located south of State Highway 60 and west of Potrero Boulevard, for discussion and informational purposes. The Project Site location is not within the District's Boundary; however, the Project Site location is within the District's Sphere of Influence. Due to the proximity of the Project Site, the Developer (Beaumont Pointe, LLC.) proposes to be annexed into the City of Beaumont (City) and Beaumont-Cherry Valley Water District (BCVWD) (approximately 539.9 acres of land) shown in Figure 1 – Beaumont Pointe Project Location.

Figure 1: Beaumont Pointe Project Location

Along with the WSA, the Developer has requested the preparation of a request for a *Will-Serve Letter* be presented to the Board (attached). The WSA has since been finalized and is being presented to the Board of Directors concurrently with this proposal to consider the request of *Will-Serve Letter* for water service.

Summary

The proposed Beaumont Pointe Project consists of approximately 539.9 gross acres of land over multiple parcels (as identified in Table 1). The District's WSA estimated water demand for the proposed Project has been established based on discussions with District staff and the Developer. The total demand of 111.5 AFY of Potable Water and 85.2 AFY of Non-Potable Water required by the Project is proposed to service 30.2 acres of general commercial land use such as hotels or restaurants and 5.0 million square feet of commercial and industrial development as shown in Table 2 – Beaumont Pointe Estimated Water Demand.

Table 1 – Beaumont Pointe Assessor Parcel Numbers

Parcel No.	APN No.	Parcel No.	APN No.	Parcel No.	APN No.
1	422-060-002	5	422-060-005	9	422-060-009
2	422-060-010	6	422-060-016	10	422-060-017
3	422-060-018	7	422-060-021	11	422-060-022
4	422-170-005	8	422-170-008		

Table 2: Beaumont Pointe Estimated Water Demand

Planning Area	Land Use	Indoor Water Demand (AFY)	Outdoor Water Demand (AFY)
1 thru 2	Hotel Restaurant	55.9	9.3
	Entertainment		
	Landscape		
3 thru 8	Warehouse	55.6	75.9
	Office		
	Landscape		
	Self-Storage Facility		
9 and 10	Open Space	-	-
Total		111.5	85.2
Total Potable and Non-Potable Demand, AFY		**196.7 AFY**	
Total Potable and Non-Potable Demand, EDUs		**360 EDUs**	

Note: More detailed information is provided in the WSA under Tables 4-2 and 4-3.

District Staff identifies that there are on-going concerns regarding the reliability of water supply for this Project, which are discussed hereon:

- Potable Water demand for this Project will need to be provided by imported water via the San Gorgonio Pass Water Agency (SGPWA). Currently, the SGPWA is involved in various short-term and long-term water transfer negotiations. Also, the SGPWA has

negotiated a short-term water transfer which has provided a reliable, short-term supply, however, a long-term transfer is **uncertain** at this time.

- Non-Potable Water demand will need to be provided by non-potable water resources provided by BCVWD through the City of Beaumont's upgraded Wastewater Treatment Plant (WWTP). BCVWD and the City are in the process resolving an agreement for purchase of recycled water through an ad-hoc committee of City Council members and BCVWD Board Members. The identified recycled water supply resource is a planned source of supply, however, it is an **unsecured** and **uncertain** source at this time. A Memorandum of Understanding (MOU) for this recycled water was completed and executed in June 2019. The District is positioning itself to be prepared for receipt of recycled water from the City upon its availability.

- The Sites Reservoir Project, a 1.5M acre-foot storage facility, is anticipated to be constructed and online in approximately 2030 to 2032. The District is currently an active participant (via agreement with SGPWA) in the Sites Reservoir Project and has continued participation into 2021. The District has established an ad-hoc committee to discuss the funding mechanisms available to the District. The Sites Reservoir Project would provide a significant long-term water supply, however, there are several significant milestones and activities which need to occur prior to it becoming a realized and secured source of water supply.

District staff has identified that the planned but unsecured water supply components shown above are necessary to serve this Project long-term. Currently, the demands of this project could be supplied with "banked" water that BCVWD has stored in the Beaumont Basin, however, this would not be a long-term solution. In order to ensure reliable, secured long term sources of supply, District staff has determined that planned and/or currently unidentified projects such as the Sites Reservoir Project and the Delta Conveyance Project need to be completed. In the event the imported water supplies and recycled water supplies shown in Section 7 of the WSA do not come to fruition, BCVWD would need to partner with SGPWA to acquire other available sources of imported water to meet the Project demand.

BCVWD Proposed Development Conditions are as follows:

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

1. The Applicant shall complete a Plan of Service along with the application for annexation to the District service area through Riverside LAFCO and complete the annexation process. Said Plan of Service will provide for an ongoing operation, maintenance, and replacement fee component to be funded by the Developer for project Facilities.
2. The Applicant shall enter into a water facilities and mainline 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. Said meter facilities and mainline extension agreement will include a cost recovery component to be provided for by the project to cover ongoing operations, maintenance and replacement cost components.
3. The Applicant shall be required to submit all revised, new or updated, Tentative Mapping and Planning documents (i.e. Revised Specific Plan and Tentative Mapping).
4. The Applicant shall annex into the Beaumont-Cherry Valley Water District and pay all fees associated and related to annexation prior to service being provided.
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 shall be required to extend all master plan or otherwise required water and non-potable water facilities to the Project and along all property frontages in accordance with the Project's Plan of Service.
8. The Applicant shall be required to pay front footage fees along all property frontages where facilities are currently installed, if applicable.
9. The Applicant shall pay all fees and set up cost recovery structure for ongoing operations, maintenance, and facilities replacement associated with service prior to issuance of any project water services.
10. Recycled Water shall be available from the City of Beaumont, or develop the alternative source of supply for the non-potable (recycled) water system prior to service being provided by BCVWD.
11. Once Recycled Water is available from the City of Beaumont and distributed by the District, the Applicant shall connect to the non-potable 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 planting materials native to the region. Irrigation systems for these areas should be drip or bubbler type.

Fiscal Impact

None. All deposits, fees, and facility installation costs will be paid by the Applicant prior to providing service.

Attachment(s)

Attachment 1 – Will-Serve Request for Beaumont Pointe

Staff Report prepared by Evan Ward, Civil Engineering Assistant

BEAUMONT CHERRY VALLEY WATER DISTRICT
560 Magnolia Avenue • PO Box 2037
Beaumont, CA 92223-2258
Phone (951) 845-9581
www.bcvwd.org

☑ **Will Serve Request** ☐ **Water Supply Assessment (SB210)**

Applicant Name: Beaumont Pointe Partners, LLC	Contact Phone # (714)340-3211
Mailing Address: 18032 Lemon Drive, Suite 367	Fax #:
City: Yorba Linda	E-mail: mike@landstar.com
State & Zip: CA 92886	
Service Address: Jack Rabbit Trail, Southwest of SR60	
Assessor's Parcel Number (APN), Tract Map No. Parcel Map No.: See Attached	
Project Type: ☐ Single-Family ☐ Multi-Family ☑ Commercial/Industrial ☐ Minor Subdivision (5 lots or less) ☐ Major subdivision (6+ lots) ☐ Other	
Site Map Attached: ☑ Yes ☐ No	

The letter should be delivered to:

Recipient: Beaumont Pointe Partners, LLC
18032 Lemon Drive, Suite 367
Yorba Linda, CA 92886

PLEASE CHOOSE ONE:

☐ **Mail (above address)** ☑ **E-mail**
☐ **Fax** ☐ **Will pick up**

The District reserves the right to impose terms and conditions in Will Serve Letters and/or Water Supply Assessment Reports that take into account water availability issues, conservation issues and the District's existing facilities, all of which impact the District's ability to provide service to the subject property and maintain the District's ability to meet existing water demands.

Applicant's Signature

5-12-21
Date

Beaumont-Cherry Valley Water District
Regular Board Meeting
June 9, 2021

Item 7

STAFF REPORT

TO: Board of Directors

FROM: Dan Jaggers, General Manager

SUBJECT: **Request for Update to *Will-Serve Letter* for Proposed Single-Family Residence for Riverside County Assessor's Parcel No. (APN) 402-190-007 (40090 Lincoln Street), east of Cherry Avenue and west of Jonathan Avenue in the Community of Cherry Valley**

Staff Recommendation

Consider request to provide an updated *Will-Serve Letter* (WSL)for water service for a property located at **Riverside County Assessor's Parcel No. (APN) 402-190-007** within 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 an update to Water Service and furnish "Will Serve Letter", or

B. Deny the Application for an update to Water Service

Background

The Applicant, Jordan Curry, has requested that the District provide an updated WSL for water service from the District for a proposed single-family residence to be constructed on an existing parcel of land located on Lincoln Street, east of Cherry Avenue and west of Jonathan Avenue and is further identified as APN 402-190-007 located in the community of Cherry Valley. Said property (see Figure 1, attached) has been designated the numeric address of 40090 Lincoln Street.

This property was issued a WSL in 2017 to a different applicant, Justin Tidwell (previous property owner), which was approved for a single-family residence on June 14, 2017. The approval of water service has since expired, lapsing the 12-month expiration period and the applicant has changed thereby initiating the request for updated WSL.

The subject property is located on the north side of Lincoln Street between Cherry Avenue and Jonathan Avenue in the community of Cherry Valley, California (see Figure 1 attached). This parcel is currently within the District's Service Boundary and the District has confirmed there is a 6-inch Asbestos Cement Pipe (ACP) water main located in Lincoln Street (fronting the property).

The Applicant plans to construct a 3,130 sq. ft. single-family residence along with an attached garage as identified on the Site Plan provided by the Applicant (see Figure 2 – Site Plan). The Applicant will need to secure the necessary approvals from the County of Riverside.

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 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 Flows which may require additional water system improvements and/or new hydrant installations provided by the Applicant, as necessary to meet County requirements and residential fire sprinkler requirements for the residence.

Conditions:

The Applicant shall conform to all District requirements for water service and all County of Riverside requirements.

1. The Applicant will be required to pay front footage fees along all property frontages where facilities are currently installed.
2. 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 which are native to the region. Irrigation systems for these areas should be drip or bubbler type.

Fiscal Impact:

None. All fees and deposits will be paid by the Applicant prior to providing service.

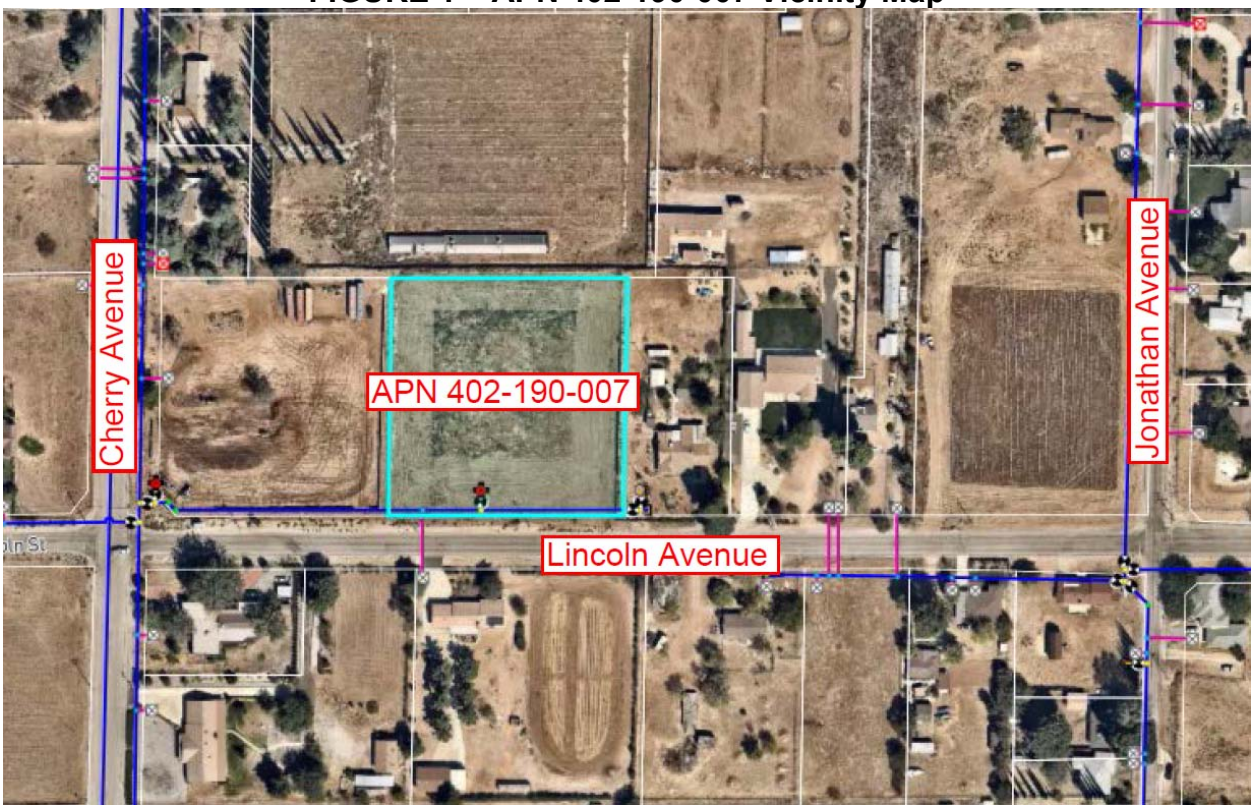
Attachments

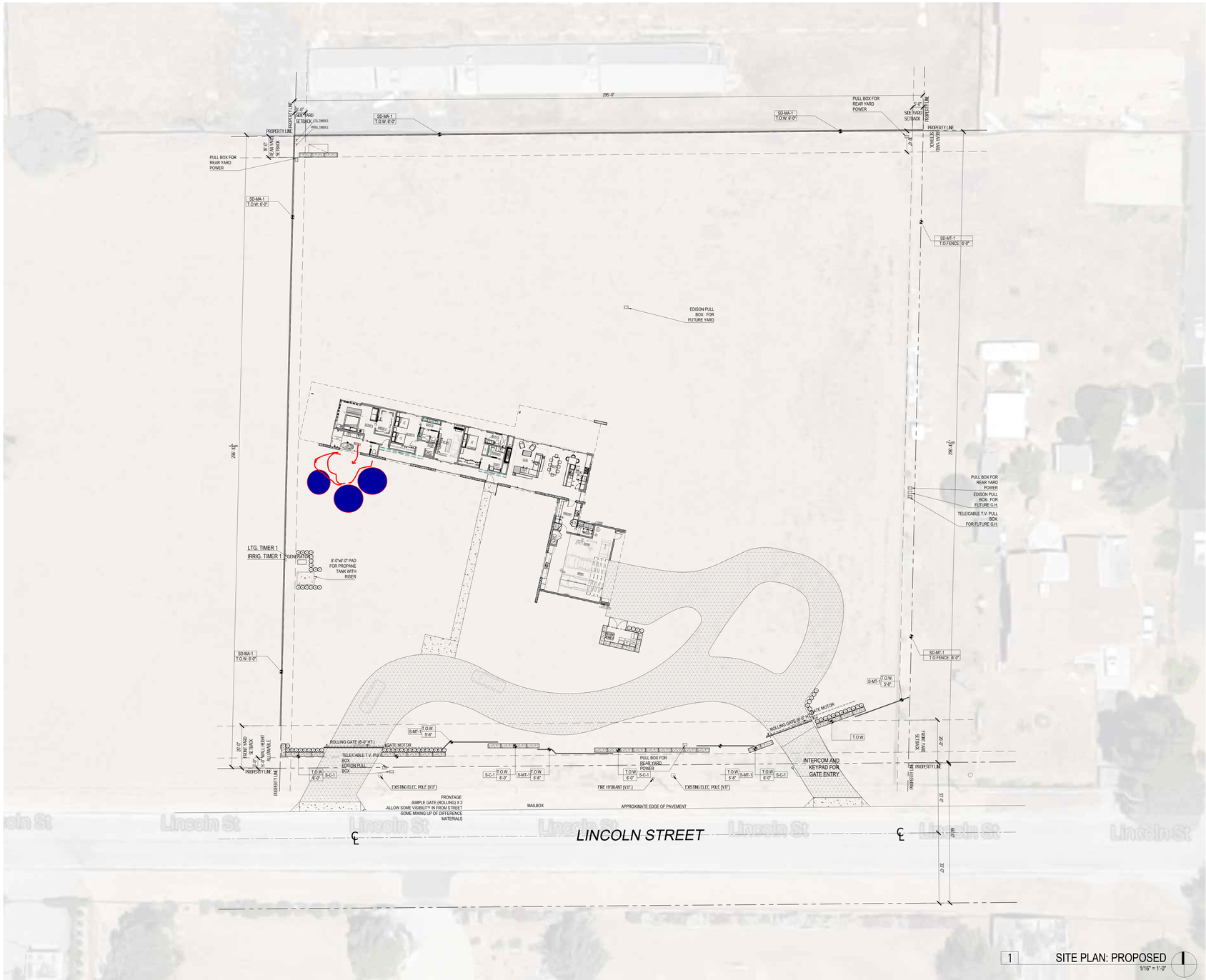
Figure 1 – APN 402-190-007 Vicinity Map

Figure 2 – APN 402-190-007 Site Plan

Application for Water Service for Riverside County APN 402-190-007 (Lincoln Street)

FIGURE 1 – APN 402-190-007 Vicinity Map





1 SITE PLAN: PROPOSED
1/16" = 1'-0"

A R &D
STUDIO AR&D ARCHITECTS
457 n palm canyon dr. ste b
palm springs, california 92262
507 1/2 n. larchmont blvd
los angeles, california 90004
www.studio-ard.com
760.322.3339

PROJECT DATA

ASSESSOR'S PARCEL NO.:
402-190-007

PROJECT DESCRIPTION:
CONSTRUCTION OF A NEW SINGLE FAMILY RESIDENCE, INCLUDING LANDSCAPE AND HARDSCAPE, TO THE VACANT LOT LOCATED AT 40080 LINCOLN STREET, CHERRY VALLEY, CA 92223

SQUARE FOOTAGE: PROPOSED

LIVING AREA (CONDITIONED SPACE):	3,130 S.F.
GARAGE (UNCONDITIONED SPACE):	950 S.F.
TOTAL CONDITIONED SPACE:	3,130 S.F.
TOTAL STRUCTURE AREA (INCL. GARAGE)	4,080 S.F.
TOTAL LOT AREA	87,540 S.F.
EXISTING LOT COVERAGE	0.0 %
PROPOSED LOT COVERAGE	4.66 %

RIVERSIDE COUNTY ZONING DATA:

ZONE:	A-1-1
ARCHITECTURE AND LANDSCAPE REVIEW REQUIREMENTS:	NOT REQUIRED
SITE SETBACK REQUIREMENTS:	FRONT: 20 FEET SIDE: 5 FEET REAR: 10FEET

LANDSCAPE ZONE DATA:

USDA ZONE:	9-A
SUNSET MAGAZINE ZONE:	18

GENERAL NOTES:
1. ALL PROPERTY LINES, EASEMENTS, AND BUILDINGS, BOTH EXISTING AND PROPOSED, ARE SHOWN ON THIS SITE PLAN. CONTRACTOR SHALL PROVIDE AN ACCURATE SURVEY PRIOR TO CONSTRUCTION, TO VERIFY FOR THE ACCURACY OF THIS DRAWING.

PROJECT:	19017
PROJECT NAME:	THE TIDWELL RESIDENCE 40080 LINCOLN STREET CHERRY VALLEY, CA 92223
APN#	402-190-007

REVISION:

A1.1
SITE PLAN: PROPOSED

3/6/2020 2:51:13 PM

BEAUMONT CHERRY VALLEY WATER DISTRICT
560 Magnolia Avenue • PO Box 2037
Beaumont, CA 92223-2258
Phone (951) 845-9581
www.bcvwd.org

☒ **Will Serve Request** ☐ **Water Supply Assessment (SB210)**

Applicant Name: Jordan Curry	Contact Phone # 951-443-8555
Mailing Address: 1365 N. Larkspur ln	Fax #:
City: Beaumont	E-mail: Jcurry1128@gmail.com
State & Zip: CA 92223	
Service Address: 40090 Lincoln st Cherry Valley	
Assessor's Parcel Number (APN), Tract Map No. Parcel Map No.: 402-190-007	
Project Type: ☒ Single-Family ☐ Multi-Family ☐ Commercial/Industrial ☐ Minor Subdivision (5 lots or less) ☐ Major subdivision (6+ lots) ☐ Other	
Site Map Attached: ☒ Yes ☐ No	

The letter should be delivered to:

Recipient: Jcurry1128@gmail.com

PLEASE CHOOSE ONE:

☐ **Mail (above address)** ☒ **E-mail**
☐ **Fax** ☐ **Will pick up**

The District reserves the right to impose terms and conditions in Will Serve Letters and/or Water Supply Assessment Reports that take into account water availability issues, conservation issues and the District's existing facilities, all of which impact the District's ability to provide service to the subject property and maintain the District's ability to meet existing water demands.

Applicant's Signature

4-14-21
Date

Beaumont-Cherry Valley Water District
Regular Board Meeting
June 9, 2021

Item **8**

STAFF REPORT

TO: Board of Directors

FROM: Dan Jaggers, General Manager

SUBJECT: **Consideration of Attendance at Upcoming Events and Authorization of Reimbursement and Per Diem**

Staff Recommendation

Consider requests to attend and, if desired, authorize Board member attendance at:

1. Building Industry Association 2021 Southern California Water Conference on Friday, August 13 from 8 a.m. to 1 p.m. at the Doubletree Hotel, Ontario

   and / or

2. Tri-State Seminar: August 9 – 12 at the South Point Hotel, Las Vegas

Background

The BCVWD Policies and Procedures Manual Part II, Section 12 A states:

> Members of the Board of Directors are encouraged to attend educational conferences and professional meetings when the purposes of such activities are to improve District operation. Hence, there is no limit as to the number of Directors attending a particular conference or seminar when it is apparent that their attendance is beneficial to the District.

The Board has recently indicated interest in attending seminars and conferences and Board members have requested authorization for attendance at the above events per BCVWD Policies and Procedures Manual Sections 12 through 15 (see Exhibit E). Policy states that in order to receive reimbursement for expenses, and per diem payment, the events must be authorized by the Board in advance of attendance.

Summary

Building Industry Association 2021 Southern California Water Conference
The conference provides a forum for agencies, local government, private industry and the public to collaborate on issues facing the region regarding the ability to deliver safe, clean water to residents and businesses. The preliminary program for the conference is attached herewith as Exhibit A and the registration form as Exhibit B.

Fiscal Impact

The Fiscal Impact assumes no hotel accommodations needed as the conference location is within 41 miles of the District office.

Estimated cost per conference attendee:

Conference registration (before July 15)	99.00
Director per diem (1 days @ $260 per day)	$260.00
Mileage (driving round trip from BCVWD Admin office = 82 miles @ 56 cents per mile IRS rate)	45.92
Estimated cost per conference attendee	**$404.92**

Summary

Tri-State Seminar
The 2021 newsletter / brochure for the conference is attached herewith as Exhibit C. Since 1985, Tri-State Seminar has been providing affordable, high quality education to water and wastewater operators from the Western United States through an annual seminar designed to provide professional development, continuing education, and technology transfer to support the vision and missions of the Arizona Water Association, California Water Environment Association, and the Nevada Water Environment Association (Exhibit D).

Note that the Regular Board Meeting is scheduled Wednesday, August 11 and will overlap the conference dates.

The seminar is held in Las Vegas, Nevada at the South Point Hotel. BCVWD has sent Operations field staff members to this seminar in 2018 and 2019, and may do so again in 2021.

Fiscal Impact

The Fiscal Impact is calculated assuming driving mileage roundtrip (not airfare), full attendance at all conference events (7:30 a.m. Monday 8/9/2021 to 1:50 p.m. Thursday, 8/12/2021), no added workshops at extra cost, and no meals included in the conference fee. Meals and incidentals are calculated using the U.S. Department of General Services per diem rates for Las Vegas 2021.[1]

Estimated cost per conference attendee:

Conference registration (before July 15)	99.00
Director per diem (5 days @ $260 per day)	1,300.00
Mileage (driving round trip from BCVWD Admin office = 480 miles @ 56 cents per mile IRS rate) (Does not include side trips such as driving to off-premises restaurants)	268.80
Meals and incidentals (maximum reimbursable) (1 travel day, 4 full days)	289.75
Hotel accommodations Sunday – Thursday (4 nights @ $75 +13.35% TOT and 8.25% sales tax, + $21 per night resort fee)	448.80
Estimated cost per conference attendee	**$2,406.35**

Attachments

Exhibit A – BIA 2021 Southern California Water Conference preliminary program
Exhibit B – BIA 2021 Southern California Water Conference registration form
Exhibit C – Tri-State Seminar newsletter / brochure[2]
Exhibit D – Tri-State Seminar History
Exhibit E – BCVWD Policies and Procedures Manual Part II, Sections 12 - 15

Report prepared by Lynda Kerney, Administrative Assistant

[1] https://www.gsa.gov/travel/plan-book/per-diem-rates/per-diem-rates-lookup/?action=perdiems_report&state=NV&fiscal_year=2021&zip=89108&city=Las%20Vegas

[2] The entire publication can be located here: https://www.kelmanonline.com/httpdocs/files/Tri-State-Seminar/issue1-2021/index.html#

Gonzales, Erica (BCVWD)

From: BIA So Cal Water Conference <nicole@dandlpr.com>
Sent: Tuesday, May 11, 2021 11:01 AM
To: Gonzales, Erica (BCVWD)
Subject: *EXTERNAL*Jennifer Pierre to give keynote address Aug. 13

Register now to take advantage of early-bird pricing.

Southern California Water Conference

August 13, 2021 8:00 am to 1:00 pm

Ontario DoubleTree Hotel

REGISTER NOW

PROGRAM

Keynote Speaker:
Jennifer Pierre
State Water Contractors

The Delta Conveyance

What we can expect for the region and how can we ensure the project continues moving forward?

Panels

WATER & HOUSING

Find out how the building industry is working with local agencies to remain water resilient as we address our housing shortage.

WATER SUPPLY

What are our options in a critically dry year and how can we become less dependent on imports?

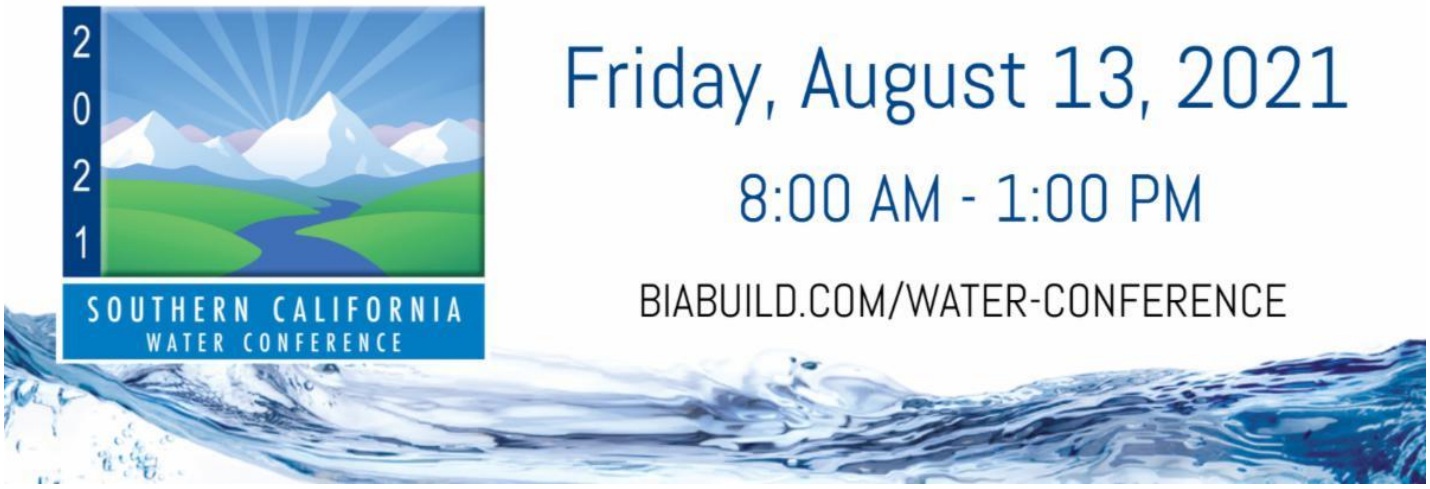
WATER AFFORDABILITY

The pandemic has exposed the affordability issue for so many. What can agencies do to address equity and the right to water?

WATER EFFICIENCY

What does it mean to be water efficient and does that mean we still need to conserve during times of drought?

REGISTER NOW



When
Friday, August 13, 2021 from 8:00 AM to 1:00 PM PDT
Add to Calendar

Where
DoubleTree Hotel - Ontario

Contact
Nicole Desmond
Desmond & Louis, Inc
(866) 737-4880
nicole@dandlpr.com

Look Who Else is Registered!
Gil Aldaco
Chino Basin Water Conservation District

Hunt Braly
Poole Shaffery & Koegle

Brian Bush
DIVERSIFIED PACIFIC

Kyle Crowther
West Valley Water District

John Dutrey
City of Montclair

Heather Dyer
San Bernardino Valley Municipal Water District

Lance Eckhart
San Gorgonio Pass Water Agency

Mark Gibboney
Cucamonga Valley Water District

Miguel Guerrero
City of San Bernardino Municipal Water Department

Milford Harrison
San Bernardino Valley Municipal Water District

View All

BIA Southern California Water Conference
2021 BIA Southern California Water Conference

* Required information

Business Information

* **Company:**

* **Address 1:**

* **City:**

* **State:**
--Choose--

* **ZIP Code:**

* **Phone:**

Primary Attendee Information

* **First Name:**

* **Last Name:**

* **Title**

* **Email Address:**

* **Confirm Email Address:**

Promo Code

Enter Code: Apply

Fee

Type	Fee
◉ Gold Sponsor	$7,500.00
○ Silver Sponsor	$5,000.00
○ Bronze Sponsor	$2,500.00
○ Booth Exhibitor	$499.00
○ Single Attendee $125.00 after Thursday, July 15, 2021	$99.00

Additional Attendee

You may add a maximum of 20

Add

Items for sale

Item	Qty.	Max Limit	Price
1/2 page advertisement in program 1/2 page full color advertisement in event program	0	1	$250.00 each
Digital Registration Sponsor Banner hyperlinked to sponsor website on registration page and all registrant confirmation emails	0	1	$250.00 each
Lanyard Sponsor *Sponsor must provide 400 lanyards with your logo or cover the cost to produce lanyards Sorry, sold out	0	0	$250.00 each

Payment

Payment Method

◉ Pay with Credit Card

○ Pay By Check

Payment Summary

Name	Type	Quantity	Fee	Total
	Gold Sponsor	1	$7,500.00	$7,500.00
			Total	**$7,500.00**

☑ Allow others to see that I have registered. (Note: only your name, title, and company information will be shared.)

☐ Yes, I would like to receive email about your events

By checking this box, you're consenting to receive marketing emails from:
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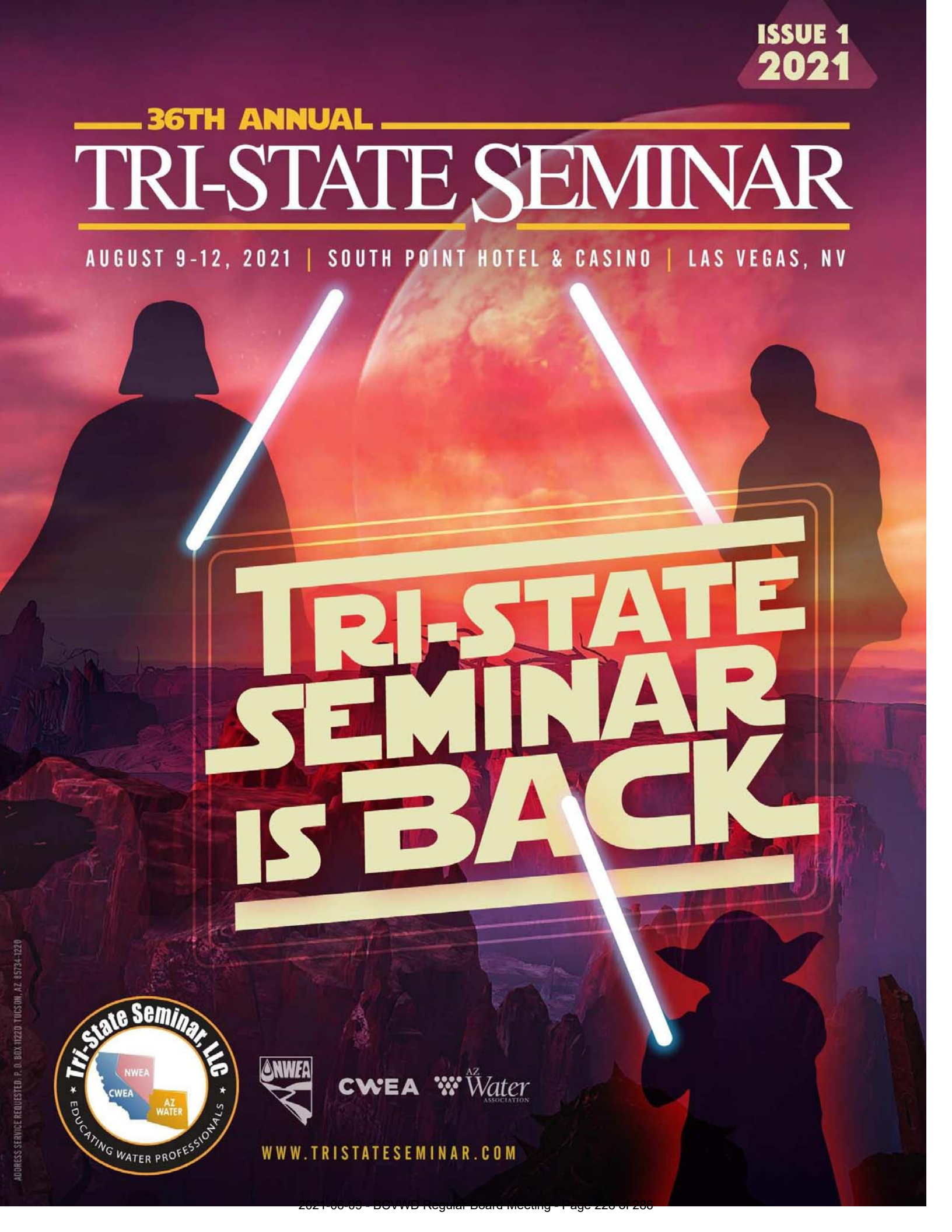
ISSUE 1
2021

36TH ANNUAL

TRI-STATE SEMINAR

AUGUST 9-12, 2021 | SOUTH POINT HOTEL & CASINO | LAS VEGAS, NV



Tri-State Seminar, LLC
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AZ WATER
EDUCATING WATER PROFESSIONALS

NWEA CWEA AZ Water Association

WWW.TRISTATESEMINAR.COM

ADDRESS SERVICE REQUESTED. P. O. BOX 11220 TUCSON, AZ 85734-1220

SCHEDULE AT A GLANCE

SUNDAY, AUGUST 8, 2021

BY APPOINTMENT	Rolling Stock, Exhibitor Setup

MONDAY, AUGUST 9, 2021

7:30am – 2:50pm	MS4 CCEI Certification
7:30am – 3:50pm	Math Made Easy
7:30am – 3:50pm	NASSCO PACP Recertification
12:00pm – 6:00pm	Exhibitor Setup
2:00pm – 8:00pm	Attendee Registration
7:00pm – 10:00pm	Networking Session by the Pool

TUESDAY, AUGUST 10, 2021

6:00am – 1:30pm	Golf Tournament Revere Golf Club, 2600 Hampton Road
6:30am – 4:30pm	Attendee Registration
7:30am – 3:50pm	Technical Sessions
7:30am – 3:50pm	NASSCO PACP Certification (Day 1 of 2)
8:00am – 1:00pm	Exhibitor Setup
3:30pm – 7:00pm	Exhibits Open

WEDNESDAY, AUGUST 11, 2021

7:00am – 4:30pm	Attendee Registration
7:30am – 3:50pm	Technical Sessions
7:30am – 11:30am	MS4 CCEI Re-Certification
7:30am – 3:50pm	NASSCO PACP Certification (Day 2 of 2)
3:30pm – 6:30pm	Exhibits Open
6:30pm – 10:00pm	Exhibitor Tear-Down/Move Out

THURSDAY, AUGUST 12, 2021

7:00am – 12:00pm	Attendee Registration
7:30am – 3:50pm	Technical Sessions
7:30am – 11:30am	NASSCO MACP Certification/Re-Certification
1:00pm – 3:50pm	NASSCO LACP Certification/Re-Certification
1:00pm – 1:50pm	Nevada Water and Wastewater Operators Update
6:30pm – 10:00pm	Volunteer & Awards Banquet

FAQS

WHY HAVE I NOT RECEIVED MY REGISTRATION CONFIRMATION VIA EMAIL?

It's possible that your confirmation has been blocked by anti-spam filters. This will also affect the email inviting you to download your PDH Certificate after the conference. Cvent, Inc. is the contractor we have utilized to build our conference website. All emails sent from Cvent's products come from IP addresses in the following ranges:

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- CIDR: 204.239.0.224/27
- 198.207.147.224 through 198.207.147.255
- CIDR: 198.207.147.224/27

When Cvent delivers emails on behalf of Tri-State Seminar, behind the scenes they come from a Cvent domain. When you update your whitelist, please include the following domains:

- *cvent.com, cvent-planner.com, cventmail.com, cvtsv.com*

HOW CAN I GET MY CERTIFICATE IF I DO NOT HAVE MY CONFIRMATION NUMBER?

- If you do not have your confirmation number, click on the year from the drop-down options, then click on the link provided for that year's certificate, enter your email address and Tri-State will send you an email with your confirmation number.

WHERE OR HOW DO I GET MY CERTIFICATE?

- Just after each Seminar (approx. Sept 15), Tri-State will send an email with a link for you to print/save your certificate. OR
- From the new Tri-State Seminar website, you can access the most recent 3 years (*www.tristateseminar.com*).
- Click on CEU's/PDH's from the header bar, select the year, enter YOUR confirmation number and email address from that year's registration, from here you can save/print your certificate.

WHY DID I NOT RECEIVE CEUS FOR ALL THE CLASSES I ATTENDED?

- If you did not scan in and/or out of a session, you will not get credit.
- If you scanned in and out but were not present in a session for 50 minutes, you will not get credit.

HOW DO I GET MY CERTIFICATE FROM PREVIOUS YEARS?

- From the new Tri-State Seminar website, you can access the most recent 3 years (*www.tristateseminar.com*).
- Click on CEU's/PDH's from the header bar, select the year, enter YOUR confirmation number and email from that year's registration, from here you can save/print your certificate.

HOW DO I GET MY CERTIFICATE IF I WAS REGISTERED AS A "GROUP"?

- Within your agency, confirm the registration group. Request the confirmation number for you.
- From the new Tri-State Seminar website, you can access the most recent 3 years (*www.tristateseminar.com*).
- Click on CEU's/PDH's from the header bar, select the year, enter YOUR confirmation number and email from that year's registration, from here you can save/print your certificate.

WHO CAN I CONTACT IF MY CERTIFICATE IS NOT ACCURATE?

- Please contact Mike Espejo at *tristatemike@outlook.com*
- You must have/send your "Tracking Sheet" to dispute/correct your certificate.

WILL TRI-STATE SEND MY CERTIFICATE TO MY STATE AGENCY TO SHOW PROOF OF ATTENDANCE?

- No, Tri-State will not send certificates to an agency.
- This is the responsibility of the attendee.

WHO CAN I CONTACT IF I HAVE ANY QUESTIONS REGARDING MY CERTIFICATE?

- Please contact Mike Espejo at *tristatemike@outlook.com.*

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TECHNICAL PROGRAM

TUESDAY, AUGUST 10, 2021

WASTEWATER TREATMENT	SONOMA C & D	SESSION
7:30-8:20	**Emerging Intensification Process: Retrofitting Existing Basins to Meet Lower Nutrient Limits** – *Raj Chavan*	1110
8:30-9:20	**Activated Sludge – A View Beneath the Surface** – *Steven Leach*	1210
9:40-10:30	**Advanced Activated Sludge Process Control for Nutrient Removal Part 1** – *Sidney Innerebner*	1310
10:40-11:30	**Advanced Activated Sludge Process Control for Nutrient Removal Part 2** – *Sidney Innerebner*	1410
1:00-1:50	**Wastewater Surveillance of SARS-CoV-2 in Las Vegas** – *Katerina Papp*	1510
2:00-2:50	**Leveraging Real-Time Analytical Instrumentation for Anaerobic Disgester Health Monitoring During and After Successful Startup of THP Pretreatment Process** – *Steve Meyers*	1610
3:00-3:50	**How to Reduce Mixer Power at a Wastewater Reclamation Plant Without Risking a Process Upset** – *Coenraad Pretorius*	1710
INSTRUMENTATION/ELECTRICAL & CONTROL	**SONOMA A & B**	**SESSION**
7:30-8:20	**Reagent-less Free Chlorine Measurement** – *Raj Adani*	1114
8:30-9:20	**Cleaning up Your Power System – How Harmonics are Affecting Your Water/Wastewater Facility** – *Chad Burks*	1214
9:40-10:30	**Protecting Today's More Efficient Pump Systems from PWM Waveforms** – *Patrick Hogg*	1314
10:40-11:30	**The Chemistry of Chlorine and Chlorine Monitoring** – *Sam Bruketta*	1414
1:00-1:50	**Microbial Sensor for Monitoring and Optimization of Wastewater Treatment Operations** – *Scott Burge*	1514
2:00-2:50	**Wastewater Treatment Facilities Net Zero Energy & Resiliency** – *Donald Taft*	1614
3:00-3:50	**Open-Source Dashboards for Operational Control** – *Patrick McGrath*	1714
WATER DISTRIBUTION	**GRAND BALLROOM A**	**SESSION**
7:30-8:20	**Development of a Concrete Reservoir Condition Assessment and Rehabilitation Program** – *Gizelle Setovich, Joshua Smith*	1111
8:30-9:20	**Distribution Network THM Mitigation in Consecutive and Wholesale Water System Systems** – *Gloria Rock, Joshua Kurniawan*	1211
9:40-10:30	**The Modern Water/Wastewater Control System Demystified: SCADA Basics for Users (Operators)** – *Chuck Clark*	1311
10:40-11:30	**Flushing and Conserving Potable Distribution Water While Improving Distribution Water Quality** – *David White, Chris Wilkinson*	1411
1:00-1:50	**Mobile GIS Utility Management for Local Governments** – *Eric Greene, Bill Hoisington*	1511
2:00-2:50	**Preserving Utility Assets and Improving Labor Productivity Through the Use of Technology** – *Richard Sanders*	1611
3:00-3:50	**Digital Services Addressing Pumping Station in Water and Wastewater** – *Vincent Puisor*	1711
MAINTENANCE	**SHOWROOM**	**SESSION**
7:30-8:20	**Aging Water & Wastewater Infrastructure** – *Stan Pacherek*	1106
8:30-9:20	**Large and Critical Valve Assessment Best Practice** – *Britt Klein*	1206
9:40-10:30	**Flange and Valves Bolting Seminar** – *Alex Roman*	1306
10:40-11:30	**Hydraulic Odor, Corrosion and Aeration Control in Water & Sewer Applications** – *Kerry Koressel*	1406
1:00-1:50	**Jeopardy Vol 2 – An Interactive Lesson on Repairing, Joining, and Tapping Pipe** – *Crystal Flitton*	1506
2:00-2:50	**Confusions and Solutions with Specialty Coatings** – *Greg Wallace*	1606
3:00-3:50	**Composites are the Future of Manhole Covers** – *Chad Nunnery*	1706

7:00 AM - 7:30 AM - JAVA JOLT

9:20 AM - 9:40 AM - JAVA JOLT

11:30 AM - 1:00 PM - LUNCH

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TECHNICAL PROGRAM

TUESDAY, AUGUST 10, 2021

7:00 AM - 7:30 AM - JAVA JOLT

9:20 AM - 9:40 AM - JAVA JOLT

11:30 AM - 1:00 PM - LUNCH

WASTEWATER COLLECTIONS		GRAND BALLROOM B	SESSION
7:30-8:20	**Avoiding Dangerous Curves with Pressure Sewer Systems** – *Keith McHale*		1102
8:30-9:20	**Using Non-Invasive Technology to Assess the Force (Main)** – *Seth Morales*		1202
9:40-10:30	**Sewer Maintenance 101** – *Tom Hochmuth*		1302
10:40-11:30	**Do the Basics Brilliantly** – *Mark Grabowski*		1402
1:00-1:50	**Reducing SSO's Through Aggressive Cleaning Techniques** – *Kent Carlson*		1502
2:00-2:50	**Combination Machine Maintenance** – *Carey Olcott*		1602
3:00-3:50	**Utilizing an On-Site Closed-Loop Raw Wastewater Harvest & Treatment System for Irrigation of a Multi-Stage Biological Odor Control System** – *Michael Busch*		1702
SAFETY/HEALTH/SECURITY		**NAPA A & B**	**SESSION**
7:30-8:20	**A Day in the Life of our Heroes: The System Operator** – *Kevin Baughman*		1108
8:30-9:20	**The Safe Use, Storage, and Transportation of Chlorine Products** – *Julie Tennyson, James Taylor*		1208
9:40-10:30	**Wastewater's Confined Spaces – Dangers and Solutions** – *Jason Call*		1308
10:40-11:30	**Safety Data Sheets: "It's Not a Trap"** – *Julie Tennyson*		1408
1:00-1:50	**Accident Awareness & Loss Prevention / The Safe Use of Pneumatic Plugs and Dynamic Filling of Wastewater Collection Systems** – *Rusty Nezat*		1508
2:00-2:50	**Fall Protection Awareness** – *Jon Van Asdlen*		1608
3:00-3:50	**Active Shooter & Workplace Preparedness & Response** – *Shayne Anderson*		1708
GROUNDWATER/ RECHARGE		**NAPA C & D**	**SESSION**
7:30-8:20	**Groundwater Well Design For More Than One Stakeholder** – *Geno Mammini*		1104
8:30-9:20	**Sustainability in the Desert – The Story of Arizona Water Company's Underground CAP Water Storage Program** – *Richard Hacker*		1204
9:40-10:30	**Groundwater Well Assessment Practices** – *Kevin McGillicuddy*		1304
10:40-11:30	**Well Rehabilitation – Predictable Outcomes** – *Todd Eden*		1404
1:00-1:50	**Recharge and Reuse as Part of a Diversified Water Portfolio** – *Jennifer Hill*		1504
2:00-2:50	**Basin Recharge - Siting, Design, Operation, and Enhancement** – *Geno Mammini*		1604
3:00-3:50	**Are You a Water Advocate?** – *Kevin Baughman, Pat Baughman*		1704
STORMWATER		**GRANDVIEW LOUNGE**	**SESSION**
7:30-8:20	**Caltrans New Mandatory Program-Specific Water Pollution Control Manager Testing** – *Gerald R. Montgomery*		1113
8:30-9:20	**California Construction General Permit Renewal and TMDL Compliance: A Review of Potential Stormwater Treatment Technologies** – *Mark Grey, Russell Foster, Robert Patterson*		1213
9:40-10:30	**The Right and Wrong Way to Inspect Construction Sites & EPAs New Surface Water Skimmer Requirements** – *Luke Owen*		1313
10:40-11:30	**Adaptations in Stormwater Quality Outreach** – *Bill Dean*		1413
1:00-1:50	**The Multi Sector General Permit (MSGP) for Stormwater Discharges Associated With Industrial Activities** – *Kathryn Dotchin, Alex Mayorga, Eboni Griffin*		1513
2:00-2:50	**When are "Waters" Actually Waters in Arizona? : WOTUS vs. WOAZ** – *Kevin Boesch*		1613
3:00-3:50	**Storm Sewer Equipment Maintenance Cost Reduction** – *Rusty Neazat*		1713

TECHNICAL PROGRAM

WEDNESDAY, AUGUST 11, 2021

LABORATORY	MONTEREY BAY	SESSION
7:30-8:20	**Enzymatic Methods for Testing Indicator Bacteria in Drinking Water and Wastewaters** – *Shawn Dubois*	2103
8:30-9:20	**Utilizing Quality Systems Concepts in Your Laboratory** – *Michelle Wade*	2203
9:40-10:30	**Method Detection Limits: Definitions, How To, and Best Practices for Utilizing the 2017 MDL Procedure** – *Michelle Wade*	2303
10:40-11:30	**Importance of Proper Sample Collection** – *Dana LaRance*	2403
1:00-1:50	**Can You Trust Your TSS Results for Process Control?** – *Sidney Innerebner*	2503
2:00-2:50	**Biochemical Oxygen Demand - Step by Step** – *Sidney Innerebner*	2603
3:00-3:50	**Method and QC Procedures for TSS, BOD, and Microbiological Analysis Performed at In-House Laboratories** – *Peter Strimple*	2703
MAINTENANCE	**SHOWROOM**	**SESSION**
7:30-8:20	**The Do's and Don'ts of Maintaining Potable Water Tanks** – *Mark Moore*	2106
8:30-9:20	**Overview of Classic and the New State of the Art Pipeline Rehabilitation Technologies** – *Dave Badgley*	2206
9:40-10:30	**Real World Considerations for Pump Design, Operation and Troubleshooting** – *Steve Truitt*	2306
10:40-11:30	**Well Rehabilitation: Why A One-Size-Fits-All Approach Will Not Produce Effective Results** – *Michael Bodart*	2406
1:00-1:50	**Got Joints?** – *Patrick Michel*	2506
2:00-2:50	**Trenchless Rehabilitation for Pressure Water Pipes, Sewer Force Mains and Treatment Plant Piping** – *Jeff Coffman, John Moody*	2606
3:00-3:50	**Large Diameter Man Entry Water & Sewer Pipeline Joint Repair** – *Dave Badgley*	2706
WASTEWATER TREATMENT	**SONOMA C & D**	**SESSION**
7:30-8:20	**Municipal Wastewater Lagoon: ATP, DNA, and Sludge Reduction** – *Heather Jennings, John Souza*	2110
8:30-9:20	**Filamentous Control - What Oxidation Method Works Best?** – *Steven Leach*	2210
9:40-10:30	**Optimizing Clarifiers: WE Continue to Learn** – *John Esler*	2310
10:40-11:30	**Nutrient Recovery from Wastewater Through Urine Diversion** – *Hannah Ray*	2410
1:00-1:50	**Adapative Mixing and Better Biological Nutrient Removal** – *Michele Braas*	2510
2:00-2:50	**Technical Attributes to Consider When Applying Cogeneration in a WWTP** – *Exor Montes, Matthew Quinn*	2610
3:00-3:50	**Polymer 101 for Water and Wastewater - Basic Chemistry, Handling/Storage, Activation/Mixing, Optimization, Case Studies** – *Yong Kim*	2710
PRETREATMENT/ENVIRONMENTAL COMPLIANCE	**NAPA C & D**	**SESSION**
7:30-8:20	**The Wastewater Pretreatment Files: Lessons and Investigations** – *Chelsey Weaver*	2107
8:30-9:20	**Managing Pretreatment H2S (Part 1)** – *Rick Allen*	2207
9:40-10:30	**Managing Pretreatment H2S (Part 2)** – *Rick Allen*	2307
10:40-11:30	**Pretreatment: What Inspectors Need to Know about POTWs** – *Rick Allen*	2407
1:00-1:50	**Solubility Rules! Existing and Emerging Pretreatment Technologies** – *Michael Placencia*	2507
2:00-2:50	**Case Study on Pretreatment Compliance Inspection at a Centralized Waste Treatment Facility** – *David Joh*	2607
3:00-3:50	**Environmental Crime: An Industrial Wastewater Pretreatment Inspector's View from the Trenches** – *John Boyd*	2707

7:00 AM - 7:30 AM - JAVA JOLT

9:20 AM - 9:40 AM - JAVA JOLT

11:30 AM - 1:00 PM - LUNCH

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TECHNICAL PROGRAM

WEDNESDAY, AUGUST 11, 2021

	SURFACE WATER/WATER TREATMENT	SONOMA A & B	SESSION
7:00 AM - 7:30 AM – JAVA JOLT	7:30-8:20	**Chemical Metering Pumps, Systems, and Accessories** – *Richard Hopkins*	2114
	8:30-9:20	**Brine Management for Brackish Water Treatment** – *Andrew Poustie, Kamrun Ahmadi*	2214
	9:40-10:30	**Bringing Advanced Treatment Back to the Basics: Fundamentals of Ion Exchange and GAC for Water Treatment** – *Kristin O'Neill*	2314
	10:40-11:30	**Mg(OH)2 for pH and Alkalinity Control in Conventional and Biological Treatment of Potable Water** – *Matthew Madolora, Aln Bowers*	2414
	1:00-1:50	**Operations Experience of Running a PFAS Plant** – *Cathy Swanson*	2514
	2:00-2:50	**Coagulation, Flocculation, and Solids Separation – Basics & Design Considerations** – *Kamrun Ahmadi, Raj Chavan*	2614
	3:00-3:50	**Proper Techniques for Verifying Inline Chlorine and Turbidity Analyzers at Surface Water Treatment Plants** – *Peter Strimple*	2714
	STORMWATER	**GRANDVIEW LOUNGE**	**SESSION**
9:20 AM - 9:40 AM – JAVA JOLT	7:30-8:20	**Green Gilbert Business Partner Program** – *Kellie Elliott*	2113
	8:30-9:20	**City of Las Vegas – Keep It Pristine Stormdrain Art Campaign** – *Sherri McMahon, Myranda Bair*	2213
	9:40-10:30	**Stormwater Biofiltration System at the Tenth Avenue Marine Terminal Port of San Diego** – *Alex Yescas, Christian Braun*	2313
	10:40-11:30	**In The Margins: A Case Study of Storm Water Compliance and Engineering Design Conflicts** – *Shawnetta Grandberry, Scott Workman*	2413
	1:00-1:50	**A Call for ACTION: Configuring ArcGIS to Support Post-Construction BMP Compliance** – *Shawnetta Grandberry, Nate Johnson*	2513
	2:00-2:50	**Capturing the First Flush – Introducing a Collaborative Stormwater Program That Works!** – *Robert van den Akker, Amy Murray*	2613
	3:00-3:50	**Multi-Agency Collaboration: The Future of Watershed Management** – *Theresa Jones, Sarah Davenport*	2713
	WASTEWATER COLLECTIONS	**GRAND BALLROOM B**	**SESSION**
11:30 AM - 1:00 PM –J LUNCH	7:30-8:20	**Artificial Intelligence in Sewer Condition Assessment: Use Cases, Benefits, Limitations** – *Eric Sullivan*	2102
	8:30-9:20	**Digital Side-Scanning Technology – Increase Production and Return on Investment** – *Matthew Olson*	2202
	9:40-10:30	**Nozzle(s) the Dirty Truth** – *Tray Hall*	2302
	10:40-11:30	**A Smart Sewer® Uses Versatility Like a Jedi** – *Eric Van Cleave*	2402
	1:00-1:50	**Collection Systems: Know Your Sewer Cleaning Hose** – *Bernie Hengles*	2502
	2:00-2:50	**Sanitary Pipeline Pilot Project After 42-Years of Service** – *Jeff Boschert*	2602
	3:00-3:50	**Calibration & Bump Test Requirements for Direct Reading Portable Gas Monitors** – *Michael Calvo*	2702
	SAFETY & HEALTH/SECURITY	**NAPA A & B**	**SESSION**
	7:30-8:20	**A Safe Work Environment We Have** – *Dale Becker*	2108
	8:30-9:20	**Contact Voltage Testing: Tricks of the Trade Using NFPA 70E** – *Ralph Stevens*	2208
	9:40-10:30	**Go Back and Closer You Must Look: Confined Space Awareness Training** – *Kris Graham*	2308
	10:40-11:30	**TBD**	2408
	1:00-1:50	**The Safe Use of High Pressure Jetting Equipment within Surcharged Wastewater Collection Systems** – *Rusty Nezat*	2508
	2:00-2:50	**Trenching & Shoring Awareness Training** – *Kris Graham*	2608
	3:00-3:50	**Lockout/Tagout Awareness Training & Program Management Requirements** – *Shayne Anderson*	2708

TECHNICAL PROGRAM

WEDNESDAY, AUGUST 11, 2021

WATER DISTRIBUTION	GRAND BALLROOM A	SESSION	7:00 AM - 7:30 AM - JAVA JOLT
7:30-8:20	**Corrosion Control for Ductile Iron Pipe** – *Josh Blount*	2111	
8:30-9:20	**811 Solutions Efficiencies and Success: Case Study on East Orange County Water District** – *Paul Hauffen, Ramo Gallegos*	2211	
9:40-10:30	**Basics of Line Stops, Hot Taps, Valve Insertions & Pipe Freezing** – *Steven Helm*	2311	
10:40-11:30	**Planning Approaches for Small Water Meter Replacement** – *Stephen Davis*	2411	
1:00-1:50	**New Technologies for Joining and Restraining Potable Water Pipelines** – *Kenneth Alessi*	2511	
2:00-2:50	**Integrating Valve Assessments With Pipeline Inspections** – *Britt Klein*	2611	
3:00-3:50	**Service Pipe – Many Options** – *Patrick Michael, Whit Hall*	2711	

HANG ON TO YOUR BADGE

ONCE THE SEMINAR IS OVER, YOU WILL NEED YOUR CONFIRMATION NUMBER TO RETRIEVE YOUR CEU INFORMATION.

TECHNICAL PROGRAM

THURSDAY, AUGUST 12, 2021

	MAINTENANCE	SHOWROOM	SESSION
7:00 AM – 7:30 AM – JAVA JOLT	7:30-8:20	**IR Preventive Maintenance & Electrical Safety** – *Tim Rohrer*	3106
	8:30-9:20	**Precision Shaft Alignment 202.5** – *Ronaldo Sullivan*	3206
	9:40-10:30	**Reducing Corrosion, Infiltration, Inflow, & Odors in Manholes using Advanced Techniques & Materials** – *Dave Badgley*	3306
	10:40-11:30	**One Phone Call Pump Station Design** – *Kook Dean*	3406
	1:00-1:50	**Maintaining Your Automatic Control Valve Part 1** – *Jim Lugo*	3506
	2:00-2:50	**Maintaining Your Automatic Control Valve Part 2** – *Jim Lugo*	3606
	3:00-3:50	**Devcon Products and Water Processing** – *Salvatore Parisl*	3706
	WASTEWATER TREATMENT	**SONOMA C & D**	**SESSION**
9:20 AM - 9:40 AM – JAVA JOLT	7:30-8:20	**Real-Time Microbial Monitoring in Wastewater** – *Jon Grant, Tom Williams*	3110
	8:30-9:20	**Screen Capture Efficiency Sampling & Testing Protocol for Wastewater Treatment Plant Screens at Start-up** – *James Impero*	3210
	9:40-10:30	**Biosolids Cake Pumping Life Cycle Analysis – A True Operators Story** – *Josh DiValentino, Franz Tillman*	3310
	10:40-11:30	**Simplified Energy Saving Nutrient Removal Process for Small to Medium Size Municipalities** – *David Gibson*	3410
	1:00-1:50	**Why Footprint Matters: Saving Space and Costs While Meeting Strict Wastewater Reuse Standards** – *Stacy Mitchum*	3510
	2:00-2:50	**Enhanced Operational Efficiency, Renewable Resource Recovery, and Process Reliability Via FOG Management** – *Peter Rehage*	3610
	3:00-3:50	**PRI-TECH (Peroxide Regenerated Iron) for Control of Hydrogen Sulfide (H2S) and Phosphorus** – *Lam Nguyen*	3710
	SURFACE WATER & WATER TREATMENT	**SONOMA A & B**	**SESSION**
11:30 AM - 1:00 PM –j LUNCH	7:30-8:20	**Raw Water Maintenance Headaches Caused by Commissioning Failures** – *Ralph Stevens, Pierre Gouley*	3114
	8:30-9:20	**The City of Buckeye's Water "Well"-ness Program** – *Brittany Radke, Joshua Justice*	3214
	9:40-10:30	**The Role of Carbon Dioxide in Lead Corrosion Control for Potable Water Including Treatment Methods and Equipment** – *Michael Dirth*	3314
	10:40-11:30	**Virus Control by Electrochemical Coagulation and Microfiltration** – *Charan Tej Tanneru, Shankar Chellam*	3414
	1:00-1:50	**Why Mixers? The Key Benefits and Technology Behind Reservoir Mixing** – *David Hartwig*	3514
	2:00-2:50	**Water Treatment Strategies for Aquifer Storage and Recovery – Mt. Rose Water Treatment Plant** – *John Buzzone*	3614
	3:00-3:50	**Zero2Waste Gravity Filter Systems - Water...Every Drop Counts!** – *Mark Romers*	3714
	WATER DISTRIBUTION	**GRAND BALLROOM A**	**SESSION**
	7:30-8:20	**Benefits of Ultra High Solids Epoxies for Potable Water Linings** – *Eric Zimmerman*	3111
	8:30-9:20	**Smart Meters to Cloud Based Services and Options to Finance** – *Kevin Barnes*	3211
	9:40-10:30	**Pipeline Considerations to Increase Seismic Resilience for Potable Water & Wastewater Buried Applications** – *John Johnson*	3311
	10:40-11:30	**Mechanical Fittings and Repairs on High Density Polyethylene Pipe (HDPE)** – *Mike Scholz*	3411
	1:00-1:50	**Solutions for Control** – *Michael Urwin*	3511
	2:00-2:50	**How to Be Headspace Cool** – *Thom Tackman, Lucy Allen*	3611
	3:00-3:50	**On-Site Sodium Hypochlorite Generation: A Safe and Reliable Disinfection Alternative to Bulk Sodium Hypochlorite and Gas Chlorine** – *Gunnar Thordarson*	3711

TECHNICAL PROGRAM

THURSDAY, AUGUST 12, 2021

RECLAIM/REUSE	NAPA A & B	SESSION	
7:30-8:20	**The Groundwater Reliability Improvement Program** – *Coenraad Pretorius, Mark Donovan*	3109	7:00 AM - 7:30 AM – JAVA JOLT
8:30-9:20	**Reclaimed Water Main Betterment—Galleria Pipeline Case Study** – *Jonathan Tull, Suzanne Trabia*	3209	
9:40-10:30	**Why Footprint Matters. Saving Space and Costs While Meeting Strict Wastewater Reuse Standards** – *Stacy Mitchum*	3309	
10:40-11:30	**Reverse Osmosis in Potable Water Reuse: Why Doesn't It Get the Credit It Deserves?** – *Hannah Ray, Eric Dickenson*	3409	
1:00-1:50	**Have You Seen the Light? UV for Reclaim/Reuse** – *Patrick Bollman*	3509	
2:00-2:50	**Multi Use Advanced Oxidation Piloting Demonstrates AOP's Use for Many Applications** – *Michele Braas*	3609	
3:00-3:50	**Holistic Approach to Evaluating Reclaimed Water in Your Portfolio** – *Joy Crutchfield and Frederick Tack*	3709	
WASTEWATER COLLECTIONS	**GRAND BALLROOM B**	**SESSION**	9:20 AM - 9:40 AM – JAVA JOLT
7:30-8:20	**Hydraulic Aeration and Odor Control** – *Kerry Koressel*	3102	
8:30-9:20	**Got Joints?** – *Patrick Michael*	3202	
9:40-10:30	**SulFeLox™: Field Results from a New Low-Hazard Option for Collection System Sulfide Control** – *Randy Cowden*	3302	
10:40-11:30	**Confusion and Solutions with Coatings** – *Gregory Wallace*	3402	
1:00-1:50	**Everything You Wanted to Know About Air Valves.....** – *Kim Sorensen*	3502	
2:00-2:50	**Wastewater Solids Reduction Technology** – *Randy Cowde, Felix Layher*	3602	
3:00-3:50	**Desert Knolls Wash Interceptor Sustainable Relocation** – *Michael Fluery*	3702	
PRETREATMENT/ENVIRONMENTAL COMPLIANCE	**NAPA C & D**	**SESSION**	11:30 AM - 1:00 PM – LUNCH
7:30-8:20	**Pretreatment Industrial Source Control** – *Deon M. Carrico Jr.*	3107	
8:30-9:20	**Conducting Effective Pretreatment FOG Inspections** – *Joseph Jenkins*	3207	
9:40-10:30	**Environmental Compliance - How to Implement a Pretreatment FOG Control Plan** – *Joseph Jenkins*	3307	
10:40-11:30	**Pretreatment Wastewater Facility Inspection 101: Brewery Waste Streams** – *John Rowe*	3407	
1:00-1:50	**An Update of the Pretreatment Facility Inspector Manual and the Science of Learning** – *Ramzi Mahmood*	3507	
2:00-2:50	**Pretreatment Compliance Inspections and Audits** – *James Polek*	3607	
3:00-3:50	**EPA Pretreatment Update** – *Amelia Whitson*	3707	

HANG ON TO YOUR BADGE

ONCE THE SEMINAR IS OVER, YOU WILL NEED YOUR CONFIRMATION NUMBER TO RETRIEVE YOUR CEU INFORMATION.

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WORKSHOP CERTIFICATION

MONDAY, AUGUST 9, 2021

		LOCATION	SESSION
7:30-3:50	**1-DAY CLASS** **NASSCO PACP RE-CERTIFICATION – $450** *Marilyn Shepard, NASSCO Master Trainer*	Pelican Bay	9902
7:30-3:50	**1 DAY CLASS** **Math Made Easy – $25** (fee includes new revised book)	Monterey Bay	9903
7:30-2:50	**1-DAY CLASS** **MS4 COMPLIANCE AND CODE ENFORCEMENT INSPECTOR – $175** *T. Luke Owen, NPDES Stormwater Training Institute*	Mission Bay	9904

WORKSHOP SUMMARIES

MONDAY, AUGUST 9, 2021

1-DAY CLASS

NASSCO PACP RE-CERTIFICATION ($450) – Session 9902

NASSCO's PACP (Pipeline Assessment and Certification Program) requires re-certification every three years. MACP/LACP do not require re-certification. The coding system and procedures are easily transferred to these applications. Re-certification ensures PACP protocol and procedures continue to be applied in accordance with the PACP manual. This assures that while conducting condition assessment on infrastructure components, standards are maintained. Version 7.0 released in May 2015 includes updates to several codes and the Condition Grading system, and clarification on proper application.

IMPORTANT PACP POLICY

Certification shall be valid for a period of 3 years from the date of issuance. PACP Users who are not re-certified within this 3-year period shall be afforded a 1-year grace period during which they are eligible to attend a re-certification class. If certification lapses beyond the 1-year grace period, those individuals may only become certified by successfully passing the initial PACP Certification Class.

Note:

1. Individuals who are within the 1-year grace period are NOT considered certified.
2. Individuals who were certified in MACP and LACP, but fail to re-certify in PACP within the 1-year grace period, may only be MACP or LACP certified by successfully passing the initial MACP and/or LACP Certification Class.

1-DAY CLASS

MATH MADE EASY ($25) – Session 9903

Everyone hates math, ok not everyone but most. Mainly most of us didn't like the way it was taught. Didn't like in elementary school and the method didn't change for the next 10 years of your life. Before you dismiss this as another math class, come see how the new graphic method is used to solve most math questions faced by operators sitting for the exam.

1-DAY CLASS

MS4 COMPLIANCE AND CODE ENFORCEMENT INSPECTOR ($175) – Session 9904

The MS4 Compliance and Code Enforcement Inspector (MS4CCEI) course is developed specifically for attendees of the Tri-State Seminar and is now a 1-day certification course designed for municipal public works employees, wastewater treatment and water treatment personnel, Municipal Separate Storm Sewer (MS4) staff and stormwater consultants. The course presentation includes:

- Clean Water Act History
- Urban Stormwater Impacts
- Point Source and Non-Point Source Management
- Role of the MS4 Inspector
- IDDE Inspections
- Watershed Assessments Industrial Facility Inspections
- Construction Site Inspections
- Green Infrastructure in the Dry Desert

Green Infrastructure (GI) techniques for urban growth and stormwater management have become the norm throughout the United States, yet many MS4 stormwater inspectors are unaware or misguided about its role in maintaining or improving America's quality of life. The GI module will explore the benefits as well as the challenges of using implementing GI and Low Impact Development (LID) techniques in the planning, installation and maintenance phases in todays rapidly expanding urban environment.

MS4CCEI certification meets federal and state training requirements for MS4 qualified personnel. All course attendees receive a course manual as well as practical stormwater materials, resources and guides that will be useful to the MS4CCEI Inspector for years to come. Upon completion of the course, attendees will take a 1-hour open book exam. A Certificate of Completion is granted upon attending the full course and certification will be received after passing the test with a score of 70% or better. Upon receiving a passing score, the attendee will receive a MS4CCEI photo ID card valid for 3 years. MS4CCEI certified personnel qualify for recertification 1-year prior to the expiration date on their card. Once expired, however recertification is only possible up to 1-year after the expiration date, after which time the full course certification is required. All course instruction, materials, testing and ID card are included in the cost of the course.

WORKSHOP CERTIFICATION

TUESDAY, AUGUST 10, 2021

		LOCATION	SESSION
7:30-3:50	**2-DAY CLASS** **NASSCO PIPES (PACP) CERTIFICATION ASSESSMENT PROGRAM – $825** (see Thursday workshop listing for MACP & LACP) *Marilyn Shepard, NASSCO Master Trainer*	Pelican Bay	9905

WORKSHOP SUMMARIES

TUESDAY, AUGUST 10, 2021

2-DAY CLASS (DAY 1)

NASSCO PIPES (PACP) CERTIFICATION ASSESSMENT PROGRAM ($825) – Session 9905

NASSCO's Infrastructure Condition Assessment programs, PACP, MACP, and LACP (Access Structures and Laterals) is instruction on the proper procedures used to conduct condition assessment on infrastructure components using a standardized code set, procedures for applying the codes, and methods for do so. PACP assures all Operators and Engineers work to the same scope; the PACP coding system. The PACP Operator defines and records each defect observed using the standardized codes. The observation is recorded using the proper standard codes. Condition grades are assigned to help with prioritization for repair or rehab. A certificate and number are issued by NASSCO at the end of the workshop.

WORKSHOP CERTIFICATION

WEDNESDAY, AUGUST 11, 2021

		LOCATION	SESSION
7:30-2:50	**1-DAY CLASS** **MS4 COMPLIANCE AND CODE ENFORCEMENT INSPECTOR RE-CERTIFICATION (CCEI) – $175** *T. Luke Owen, NPDES Stormwater Training Institute*	Mission Bay	9904
7:30-3:50	**2-DAY CLASS** **NASSCO PIPES (PACP) CERTIFICATION ASSESSMENT PROGRAM – $825** (see Thursday workshop listing for MACP & LACP) *Marilyn Shepard, NASSCO Master Trainer*	Pelican Bay	9905

WORKSHOP SUMMARIES

WEDNESDAY, AUGUST 11, 2021

1-DAY CLASS

MS4 CCEI RE-CERTIFICATION ($175) – Session 9904

The NPDES Stormwater Training Institutes MS4CCEI Certification Program requires ½ day re-certification every three years. Re-certification ensures MS4 Compliance and Code Enforcement certified personnel continue to be knowledgeable of the most recent changes to federal and state stormwater permits and regulations, as well as the most recent advancements regarding administrative and structural best management practice installation and maintenance procedures. This assures that while conducting watershed assessments, illicit discharge detection and elimination (IDDE) outfall reconnaissance, industrial facility and construction site inspections, that standards and effective watershed protection methods are implemented.

MS4CCEI RECERTIFICATION POLICY

Certification shall be valid for a period of 3 years from the date of issuance. MS4CECI personnel who are not re-certified within 1-year of their expiration date shall be afforded a 1-year grace period during which they are eligible to attend a re-certification class. If certification lapses beyond the 1-year grace period, those individuals may only become certified by successfully passing the initial MS4CCEI Certification Course.

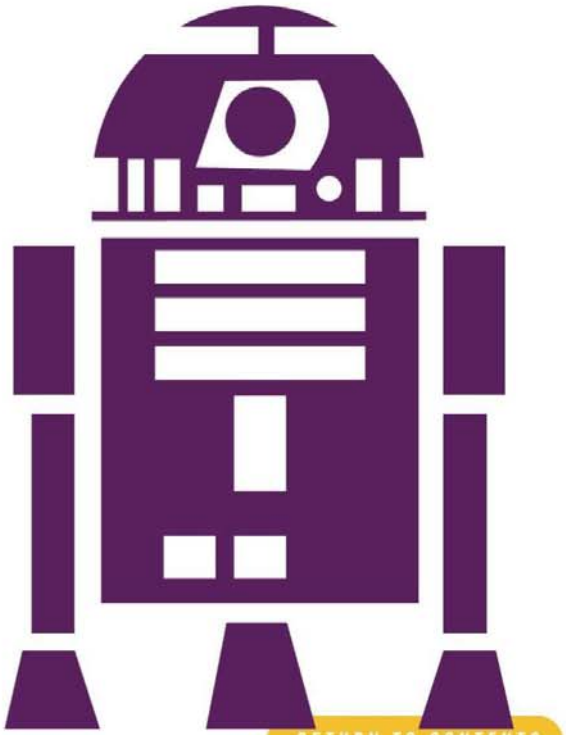
Note:

1. Individuals who are within the 1-year grace period are NOT considered certified, but qualify for re-certification.
2. Individuals who were MS4CCEI certified, but fail to re-certify within the 1-year grace period, may only be MS4CCEI certified by successfully passing the initial MS4CCEI Certification Course.

2-DAY CLASS (DAY 2)

NASSCO PIPES (PACP) CERTIFICATION ASSESSMENT PROGRAM ($825) – Session 9905

NASSCO's Infrastructure Condition Assessment programs, PACP, MACP, and LACP (Access Structures and Laterals) is instruction on the proper procedures used to conduct condition assessment on infrastructure components using a standardized code set, procedures for applying the codes, and methods for do so. PACP assures all Operators and Engineers work to the same scope; the PACP coding system. The PACP Operator defines and records each defect observed using the standardized codes. The observation is recorded using the proper standard codes. Condition grades are assigned to help with prioritization for repair or rehab. A certificate and number are issued by NASSCO at the end of the workshop.



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WORKSHOP CERTIFICATION

THURSDAY, AUGUST 12, 2021

		LOCATION	SESSION
7:30-11:30	**NASSCO MACP CERTIFICATION – $105** (PACP is a pre-requisite for this class) *Marilyn Shepard, NASSCO Master Trainer*	Pelican Bay	9907
1:00-3:50	**NASSCO LACP CERTIFICATION – $105** (PACP is a pre-requisite for this class) *Marilyn Shepard, NASSCO Master Trainer*	Halfmoon Bay	9908
1:00-1:50	**WATER AND WASTEWATER REGULATIONS UPDATE** *Ashley Jacobson, NWEA and Linh Kieu*	Monterey Bay	9909

WORKSHOP SUMMARIES

THURSDAY, AUGUST 12, 2021

HALF-DAY CLASSES

NASSCO MACP CERTIFICATION ($105) – Session 9907

This course uses the PACP codes learned in the re-certification class or the 2-day certification assessment program. MACP takes these codes and applies them to condition assessment of manholes, junction boxes, and other related structures, which allow access to the buried infrastructure.

- **PACP is pre-requisite for this class.**

NASSCO LACP CERTIFICATION ($105) – Session 9908

This course uses the PACP codes learned in the re-certification class or the 2-day certification assessment program. LACP is an extension of PACP in that the laterals are simply smaller, slightly more complicated piping systems with various fittings and access points not traditional in a mainline pipe.

- **PACP is pre-requisite for this class.**

ONE HOUR FREE WORKSHOPS

WATER AND WASTEWATER REGULATIONS UPDATE BY NDEP/NWEA (FREE) – 9909

Drinking water and wastewater Operator Certification Program Updates: Participants in this session will stay up to date by learning what are the new regulations changes.When can I test? Where can I test? Where do I find approved training? Should I test for an OIT or a Full certification? I have multiple OIT's how many contact hours do I need for renewal? How much will it cost me if I forget to renew my certification? Computer exams? Update wastewater operators on new regulations.

JOIN US AT REVERE GOLF CLUB FOR THE ANNUAL

GOLF TOURNAMENT

TUESDAY, AUGUST 10, 2021

- **Lunch & Awards:** 12:00 noon (cash bar) No-Host beverage cart will be available on the course.
- **Dress Code:** Soft spikes only. Shirts with sleeves and collars, shorts must be hemmed, no athletic shorts or blue jeans.
- **Registration:** On-Line registration at the Tri-State website *www.tristateseminar.com* or mail this form with full payment (see below). **Fees $130 per golfer prior to July 9, 2021; $155 after July 9, 2021.**
- **Transportation** to the course is not provided. 2600 Hampton Road, Henderson, NV 89052 (8 miles).
- **Golf Tee Sponsorship:** The Tri-State Golf Committee is asking for your assistance with the annual tournament. Tee sponsorships are available for $250. Firms wishing to donate prizes should contact Mark Graham at 760-328-6896.
- **Tee Times:** Check in starts at 5:45am
  Shot Gun starts at 6:30am
- **Golf participants are not required to be registered for the seminar.**

GOLF REGISTRATION FORM

PLAYER(S) NAMES

1) _____ 2) _____

3) _____ 4) _____

BILLING INFORMATION

Name _____ Company _____

Address _____

City _____ State _____ Zip _____

Phone _____ Email _____

Total Fees: $ _____

Tee Sponsorship: $ _____

MAIL REGISTRATION FORM WITH CHECK, MONEY ORDER OR CREDIT CARD PAYABLE TO:

Tri-State Seminar Attn: Annette Duarte P.O. Box 11220 Tucson, AZ 85734-1220

Check or Money Order or Credit Card Information (Visa/MasterCard only) Enclosed ☐ YES or ☐ NO

Name on Card: _____

Credit Card Type: _____ Credit Card #: _____

Three Digit Security Code: _____ Expiration Date: _____

BADGES

All Exhibit Booth Personnel need to be registered. See page 33 for the number of complimentary badges per 10' x 10' booth space. When you register your booth (and make payment), you will have the opportunity to add your booth personnel. Note that modifications to your booth personnel can be made online using your email address and confirmation number.

Once your complimentary badges have been registered, our system will automatically begin charging for additional badges. Additional badges are $98 per badge, through July 9, 2021. Beginning July 10, 2021, the cost of the additional badges will be increased to $124 per badge. All Exhibitor Badges will be available for pickup at the Exhibitor Registration, which is located outside the Exhibit Hall, near the Arena. You will use the available kiosks for printing badges and making simple modifications to badges.

This year due to COVID, we are not having Onsite Badge Registration. If a badge needs to be added, changed, or reprinted, it will be at $250.00 per badge whether it is a Complimentary Badge or not. At the time of this publication, the State of Nevada requires that NO ONSITE BADGE REGISTRATION be permitted.

SPONSORSHIP

If you would like to register as both an Exhibitor and a Sponsor, you will need to register twice. And because each registration must be affiliated with a unique email address, you should consider using a co-worker's email address for one of the registrations. Please see pages 39-40 for more details on our new and improved sponsorship offerings or visit us at *tristateseminar.com* and download the Sponsorship Prospectus.

CANCELLATIONS/REFUNDS/NO-SHOWS

Cancellations must be received in writing by Friday, July 23, 2021 – 5:00pm (PDT). Cancellation requests after July 23, 2021 – 5:00pm (PDT) are no longer eligible for refund.

Any company not occupying their booth space(s) by Tuesday, August 10, 2021 – 1:00pm (PDT), Tri-State Seminar, LLC reserves the right to resell the space(s) with no refund/ compensation to the original booth purchaser.

Due to COVID requirements, and safety regulations, the Exhibit Hall must be emptied for cleaning, and ALL exhibitor personnel must exit and be off the Exhibit Hall floor at 1:00pm (PDT) on Thursday, August 12, 2021.

CONTACT INFORMATION

If you have questions or concerns regarding reserving a booth(s) for the Tri-State Seminar, we can be contacted at:
Keli Callahan and Gene Dahle, (702) 720-6262
exhibitors@tristateseminar.com

OTHER ITEMS TO NOTE

- We have planned the Exhibition at the Tri-State Seminar for the benefit of our attendees. Exhibitors are NOT ALLOWED to conduct events (dinners, hospitality suites, tours, etc.) during Tri-State Seminar hours. These actions compromise the integrity of the Tri-State Seminar, and we appreciate your cooperation in respecting the attendee schedule for the Tri-State Seminar. Conducting events during Tri-State Seminar hours will result in your company NOT being invited back in future years. Tri-State Seminar hours are Monday, August 9, 7:00pm to 10:00pm; Tuesday, August 10, 7:30am to 7:00pm; Wednesday, August 11, 7:30am to 6:30pm; Thursday, August 12, 7:30am to 3:50pm.
- Subleasing booth space is NOT ALLOWED, except for companies that are manufacturer's representatives. Subleasing booth may result in your company NOT being invited back in future years.
- Dismantling prior to the Exhibition officially closing on Wednesday, August 11, 2021 at 6:30pm may result in your company NOT being invited back in future years.
- Participating in the Tri-State Seminar as a Speaker or Sponsor, or purchasing advertising space in the *Tri-State Seminar* magazine, or the *Show Guide and Directory*, does NOT guarantee a booth in the Exhibition. The only way to guarantee a booth in the Exhibition is to complete the Exhibitor Registration through the online portal, once available.

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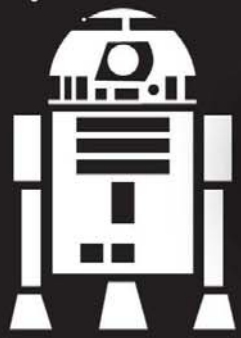
PROTECT WATER WE WILL



36TH ANNUAL

TRI-STATE SEMINAR

AUGUST 9–12, 2021 | SOUTH POINT HOTEL & CASINO | LAS VEGAS, NV

ATTENDEE REGISTRATION FORM*

Early Bird Registration Only $99 til July 9, 2021

Please fill in all the blanks

Name _____ Title _____

Employer _____

Address _____

City _____ State _____ Zip _____

Phone Number _____ Fax Number _____

Attendee Email _____

Guest Attending _____

CREDIT CARD INFORMATION

Visa, MasterCard, American Express, Discover Card only

Please check Credit Card type: ❑ Visa ❑ MasterCard ❑ American Express ❑ Discover Card

Credit Card # _____ Security Code (CVV) _____ Expiration Date _____

[Found on back of card]

Cardholder Signature _____

SPECIAL SERVICES

❑ Please check here if you require special accommodations to fully participate. Attach a written description of your needs.

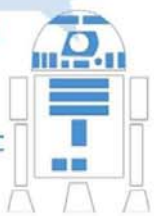
WORKSHOPS LISTED ON SECOND PAGE

REGISTRATION

Early Registration (prior to 7/9/2021)	$99.00	Amount Enclosed: $
Registration (after 7/9/2021)	$125.00	Amount Enclosed: $
Guest Fee	$15.00 (per Guest)	Amount Enclosed: $
Workshop(s)	Total from Page 2	Amount Enclosed: $
NO TOURS THIS YEAR		
Golf Registration (prior to 7/9/2021)	$130.00 (per Golfer)	Amount Enclosed: $
Golf Registration (after 7/9/2021)	$155.00 (per Golfer)	Amount Enclosed: $
!!! LIMITED TO FIRST 40 GOLFERS !!!!	Total Registration Fees: $	
Golf Registration:	Golf Registration:	
Golf Registration:	Golf Registration:	
Tee Sponsorship Fee	**$ 250.00**	**Amount Enclosed: $**

PER CDC GUIDELINES, NO ON-SITE REGISTRATION WILL BE DONE AT THIS TIME.

***Refund Deadline– July 9, 2021**
All refunds subject to a 25% Cancellation Fee.
Make Check/Money Order payable to: **Tri-State Seminar LLC**



Mail payments to: Tri-State Seminar LLC c/o Annette Duarte , P.O. Box 11220, Tucson, AZ 85734 **OR** 201 N. Stone Ave., 8th Floor, Tucson, AZ 85701
OR Fax credit card information to (520) 791-6624

WORKSHOPS

Course	Days	Cost
NASSCO PACP Re-Certification – 1 day	Monday	❑ $450
MS4 Compliance and Code Enforcement Inspector Certification – 1 day	Monday	❑ $295
Math Made Easy (includes book) – 1 day	Monday	❑ $ 25
NASSCO Pipes (PACP) Certification Assessment Program (Day 1)	Tuesday	❑ $825 (for 2 days)
Re-certification for MS4 Compliance and Code Enforcement Inspector (CCEI) – ½ day	Wednesday	❑ $175
NASSCO Pipes (PACP) Certification Assessment Program (Day 2)	Wednesday	❑ N/A
NASSCO MACP Certification / Re-certification – *PACP is a Pre-Requisite for this class*	Thursday	❑ $105*/ $75**
NASSCO LACP Certification / Re-certification – *PACP is a Pre-Requisite for this class*	Thursday	❑ $105*/ $75**
Nevada Water and Wastewater Certified Operator's Update	Thursday	❑ FREE

*New certification cost
**Re-certification cost

Total: $ _____

Exhibit D

Tri-State Seminar, LLC

OUR HISTORY

Since 1985, Tri-State Seminar LLC (TSS) has been providing affordable, high quality education to water and wastewater operators from the Western United States through our annual three-day seminar designed to provide professional development, continuing education, and technology transfer to support the vision and missions of our partner organizations; AZ Water Association, California Water Environment Association and the Nevada Water Environment Association.

In 2017 more than 3,300 attendees joined us from 20 states and 3 countries to attend over a dozen workshops, three different tours, over 200 classes and to visit and learn from over 300 exhibitors. We strive to give you and your employer the very most Bang for your Buck! We provide up to 21 contact hours to our attendees over the 3 days and with a registration fee of $99, that means you and your employer reap the rewards of your continued training at less than $4.75 per hour! Where else can you find high quality training this affordable?

12. TRAINING, EDUCATION AND CONFERENCES

A. Policy. The Beaumont-Cherry Valley Water District takes its stewardship over the use of limited public resources seriously. Public resources should only be used when there is a substantial benefit to the District.

i. Educational conferences and professional meetings are considered to provide substantial benefit. Members of the Board of Directors are encouraged to attend educational conferences and professional meetings when the purposes of such activities are to improve District operation. Hence, there is no limit as to the number of Directors attending a particular conference or seminar when it is apparent that their attendance is beneficial to the District. Such benefits include:

a. The opportunity to discuss the community's concerns with state and federal officials;
b. Participating in regional, state and national organizations whose activities affect the District;
c. Attending educational seminars designed to improve officials' skill and information levels;
d. Promoting public service and morale by recognizing such service.

ii. "Junkets" (a tour or journey for pleasure at public expense), however, will not be permitted.

B. Expenses. It is the policy of the District to encourage Board development and excellence of performance by reimbursing actual expenses incurred for tuition, travel, lodging and meals as a result of training, educational courses, participation with professional organizations, and attendance at local, state and national conferences associated with the interests of the District.

i. Staff as assigned by the General Manager is responsible for making arrangements for Directors for conference and registration expenses.

ii. Reimbursement shall include expenses for meals, lodging, authorized incidentals (see Section 14H) and travel. All expenses for which reimbursement is requested by Directors, or which are billed to the District by Directors, shall be submitted to the assigned staff member within 30 days of the incurred expense on a District-supplied Expense Form, together with original, valid receipts in accordance with State law.

iii. Attendance by Directors of seminars, workshops, courses, professional organization meetings, and conferences shall be approved by the Board of Directors prior to incurring any reimbursable costs.

iv. Expenses to the District for Board of Directors' training, education and conferences should be kept to a minimum by utilizing recommendations for transportation and housing accommodations put forth, if any, by the event sponsor and by:

a. Utilizing hotel(s) recommended by the event sponsor in order to obtain discounted rates or using other less expensive nearby lodging.
b. Directors traveling together whenever feasible and economically beneficial.
c. Requesting reservations sufficiently in advance, when possible, to obtain discounted air fares and hotel rates.

C. Notice. A Director shall not attend a conference or training event for which there is an expense to the District, if it occurs after the Director has announced his/her pending resignation, or if it occurs after an election in which it has been determined that the Director will not retain his/her seat on the Board. A Director shall not attend a conference or training event when it is apparent that there is no significant benefit to the District.

D. Reimbursement. Upon returning from seminars, workshops, conferences, etc., where expenses

are paid and/or reimbursed by the District, Directors will either prepare a written report for distribution to the Board or make a verbal report during the next regular meeting of the Board. Said report shall detail what was learned at the session(s) that will be of benefit to the District. Materials from the session(s) may be delivered to the District office to be included in the District library for the future use of other Directors and staff.

13. REMUNERATION / DIRECTOR PER DIEM FEES

a. Remuneration. Members of the Board of Directors shall be eligible to receive a "per diem" for each day of service rendered as an officer of the Board. The "per diem" amount shall be established by the Board and be consistent with applicable state law.

b. Limit. Per diem compensation is limited to no more than 10 days per month.

c. Attendance. For purposes of this section, attendance includes:

i. Physical presence at the majority of a meeting, event, conference or occurrence listed in subdivision D (below), unless presence for a lesser period is authorized by the Board President, or, for a committee meeting, by the committee chair;

ii. Participation by teleconference at the majority of a meeting pursuant to California Government Code 54953;

iii. Participation in an approved home study or online Ethics course to meet the requirements of Government Code Sections 53234-53235.5 when participation has been authorized by the Board President.

d. Eligibility. Matters of District Business eligible for per diem shall include, but not be limited to:

1. General Board Member Preapproved Activities/Events. The following activities/events are preapproved for all Board members:

a. Board and Committee Meetings
All regular and special board meetings and committee meetings for appointed members

b. Conferences
(1) ACWA and ACWA-JPIA conferences, trainings and webinars and ACWA Region 9 meetings
(2) CSDA Conferences, trainings and webinars

c. Other Agencies
(1) San Gorgonio Pass Water Agency Board or Committee meetings.
(2) Beaumont Basin Watermaster
(3) City of Beaumont: Any official city meeting.
(4) City of Banning: Any official city meeting
(5) LAFCO meetings in which District business is discussed or affected as part of the agenda

d. Training Seminars
(1) State mandated ethics training
a. The entire two-hour course counts as ONE day of service, even if the coursework is completed over more than one 24-hour period.
(2) State mandated sexual harassment training
a. The entire course counts as ONE day of service, even if the coursework is completed over more than one 24-hour period.
(3) Brown Act training

2. Specific Board Member Authorization
The following activities/events are preapproved for Board members designated to represent the District by the Board President.

a. ACWA Committees

b. Meetings of a legislative body of another government agency, or an official event sponsored by another government agency, when attendance has been authorized by the

President,

c. Meetings with members of the legislative executive or judicial branch of the state or federal government when attendance is directed by the President,

d. Meetings with the General Manager, District Counsel, or Board President on matters of District business

e. Other meetings or events for Board members appointed by the President to attend such meeting or event on behalf of the District

3. Other Activities/Events, Authorization

Board members may seek authorization to attend other functions that constitute the performance of official duties, including, but not limited to, tours of Beaumont-Cherry Valley Water District facilities, tours of other agency facilities, dedication ceremonies, open houses, groundbreaking ceremonies, receptions for officials, retirement celebrations for other agency officials, anniversary celebrations, ribbon-cutting ceremonies, legislative roundtables, public hearings, project update meetings, meetings of ACWA Regions 1 through 10, and association dinners and lunches. Board members desiring to attend events of this nature should obtain approval from the Board in order to receive a per diem and expense reimbursement.

e. Non-authorized Activities/Events

The following activities/events are not eligible for per diem or expense claims:

a. Retirement receptions for Beaumont-Cherry Valley Water District employees/Board members

b. Beaumont-Cherry Valley Water District picnics or other social functions

f. Travel. Per diem shall include travel days to and from business meetings as appropriate. Board members shall not count travel to meetings within the Counties of Riverside or San Bernardino as a reimbursable per diem travel day.

g. Requests. In the event that circumstances prevent the per diem request from being considered in the manner described herein, a Director may submit a request to the Board for a per diem for having attended a meeting or conference with the understanding that the Board may or may not approve the request.

h. Reports. A Director who requests compensation ("per diem") for attendance at a meeting other than a regular, special, or committee meeting of the Board shall provide a brief report of the meeting to the Board at a regular meeting of the Board of Directors following the meeting that was attended. If multiple Board members attended, a joint report may be made.

14. PAYMENT OF EXPENSES INCURRED ON DISTRICT BUSINESS

a. General. Directors may be allowed actual and necessary travel, meals, lodging and other actual and necessary incidental expenses incurred in the performance of official business of the District as approved by the Board. Such business may include: a meeting at which the interest of the District is the major purpose of the meeting, or attending a conference of an organization as authorized in this Manual, or by Board action, or otherwise representing the District at an approved civic or community function. The expenses incurred by reason of attendance at such meeting, conference, or other function may be reimbursed by the District in accordance with the rules set forth in this Section. In the event that circumstances prevent an expense reimbursement request from being considered in the manner described herein, a Director or employee may submit an expense reimbursement request to the Board for having attended a meeting or conference with the understanding that the Board may or may not approve the request.

b. Non-reimbursables. The following expenses are not reimbursable: alcoholic beverages, parking or traffic violation fines, in-room movies, laundry service, and personal telephone calls. Rental car expenses are not reimbursable unless use of a rental car is authorized prior to travel.

c. Cost Control. To conserve District resources and keep expenses within community standards for public officials, expenditures should adhere to the following guidelines. In the event that expenses are uncured which exceed these guidelines, the cost borne or reimbursed by the District will be limited to the costs that fall within the guidelines.

d. Spousal Expenses. Under no circumstances shall the District prepay or reimburse expenses for a spouse.

e. Transportation. The most economical mode of transportation reasonably consistent with scheduling needs and cargo space requirements must be used, using the most direct and time-efficient route.

   i. Automobile. If travel is by automobile, a District vehicle shall be used if available. If the General Manager determines that a District vehicle is not available, the rate of reimbursement for mileage shall be the Internal Revenue Service standard mileage for business mileage. Parking, bridge, and road tolls are also reimbursable. If automobile travel is used in lieu of air travel, the transportation expense to be paid by the District will be limited to the total related costs, for duration of travel and ground transportation at the destination, that would have resulted had air travel been used, including, but not limited to, air fare, transportation to and from airports, and airport parking.

   ii. Rental car. Charges for rental vehicles and applicable insurance may be reimbursed when a District elected official or employee attending a conference, business meeting, or other engagement on District business due to a District vehicle not made available, or the use of District vehicle would not be justifiable. If more than one District elected official is attending, the rental vehicle shall be shared if reasonable. Rental vehicle shall only be of adequate size, and proportional to accommodate the immediate need of passengers. Only receipted fuel expenses for rental cars will be reimbursed.

   iii. Taxis, Shuttles, or Ride Share. Taxi, shuttle or ride share (Uber or Lyft) fares may be reimbursed when such transportation is required for time efficiency.

   iv. Airfare. Airfares booked should be the most economical and reasonable available for purposes of reimbursement under this policy. At the discretion of the General Manager, higher cost (e.g. fully refundable) airfare may be used if staff analysis shows such flexibility in scheduling is warranted and costs can be justified.

f. Lodging. When traveling on District business and an overnight stay is reasonably required, District personnel shall engage a room at a good commercial hotel or motel. Government rates should be obtained when available. No suites, oversized rooms, or upgraded rooms will be permitted. If accompanied on the trip by another person who is not District personnel, and the room is shared, the District shall be charged only for that portion of the room charge, which would have been made for single occupancy. A receipted bill stating occupants and length of stay shall be submitted with the claim for expense reimbursement. If a room is occupied by more than one person, the rate for single occupancy shall be noted on the receipted statement.

g. Meals. Reimbursable meal expenses will not exceed the U.S. Department of General Services per diem rates. Meals included with conferences, seminars and / or business meetings are not reimbursable.

h. Incidental Expenses. Expense allowance while attending authorized functions shall include, in addition to transportation, lodging, and meals: business telephone expense, stenographic expense, auto parking, internet access, baggage fees, and other disbursements on behalf of the District. No reimbursement shall be made of expenditures for personal services or needs. If an automobile is used for transportation when air transportation would be required, expenditures for meals and incidental expenses chargeable to the District shall be those which would have resulted had air transportation been used.

i. Lodging payment. Lodging expenses for employees or Board members may be reserved and paid in one of the following manners:

   i. By individual director's District-issued credit card or employee's District-issued credit card

   ii. In advance by Finance Department staff using a District credit card

   iii. Via submission of a check request for pre-payment to the hotel

   iv. Charges made to an employee's or Director's personal credit card. Such charges shall be reimbursed upon submission of an approved expense report form (See Section 12D) which shall include itemized original receipts and a copy of the applicable credit card statement.

j. Travel Advance. A travel advance, equal to the estimated expenditures chargeable to the District, may be made upon a written detailed estimate of the amount needed, submitted to and approved by the General Manager and by the Board of Directors.

k. Use of District Credit Cards. The District shall make credit cards available to Board members and employees as deemed necessary for payment for District-related expenses. Board member credit cards shall be retained by the District until such time as they are needed. All Board member credit cards shall be used primarily for travel expenses. Board member credit cards will have a cap of $2,500. The following rules shall apply to the use of District credit cards:

   i. District credit cards will be used only for actual and necessary expenses incurred in performance of work-related duties and District business.

   ii. A District credit card shall not be used for personal expenses. Any personal charges appearing on a District credit card must be immediately reimbursed to the District. The charge of personal expenses by a District employee (staff) to a District credit card may result in revocation of card privileges and disciplinary action up to and including termination.

   iii. District credit cards will be used only by duly authorized Board members and District employees.

   iv. Purchases and expenditures will be charged and reconciled to the proper account on each monthly statement.

   v. Itemized, original receipts must be presented to the District business office for each expenditure made by credit card. Each expenditure must document the purpose of said expenditure, the person(s) involved and the business conducted.

vi. If a Board member or District employee loses a District-issued credit card, or has a District-issued credit card stolen, the employee or Board member must immediately report the loss or theft to the card-issuing bank and to the Finance Department.

l. Report of Expenses for Reimbursement. District Directors and personnel shall submit a District-provided form, "Record of Expenses / Claim for Reimbursement (Conferences, Meetings, Travels)" which must include all expenses incurred while acting in the interest of the District, to which will be attached the associated vouchers and/ or original, itemized receipts. The form shall be submitted within fifteen (15) days of the conclusion of the transaction. Each expenditure item shall include a detailed description of the function and the nature of the District business conducted. The statement shall also indicate the travel advance, if any, credits for expenses apportioned to personal needs, services, or expenses incurred to the District. Balances owing the District shall be paid on submission of the expenses statement. Amounts due to District personnel shall be paid after the expense statement is reviewed and approved by the General Manager.

15. EXPENDITURE REIMBURSEMENT

a. Purpose. The purpose of this policy is to prescribe the manner in which District employees and directors may be reimbursed for expenditures related to District business.

b. Scope. This policy applies to all employees and members of the Board of Directors and is intended to result in no personal gain or loss to an employee or director.

c. Implementation. Whenever District employees or directors desire to be reimbursed for out- of-pocket expenses for item(s) or service(s) appropriately relating to District business, they shall submit their requests on a reimbursement form approved by the General Manager and the Board of Directors respectively. Included on the reimbursement form will be an explanation of the District-related purpose for the expenditure(s), and receipts evidencing each expense shall be attached.

i. The Treasurer and/or the General Manager will review and approve reimbursement requests. Reimbursement requests by the Treasurer and General Manager will be reviewed and approved by the Finance and Audit Committee and/or the Board of Directors.

ii. All expenses must be reasonable and necessary, and employees and directors are encouraged to exercise prudence in all expenditures.

iii. The most economical mode and class of transportation reasonably consistent with scheduling requirements will be used. In the event a more expensive class of transportation is used, the reimbursable amount will be limited to the cost of the most economical class of transportation available. Reimbursement for use of personal vehicles will be at the applicable IRS-approved rate.

iv. Expenditures for food and lodging will be moderate and reasonable.

Beaumont-Cherry Valley Water District
Regular Board Meeting
June 9, 2021

Item 10

STAFF REPORT

TO: Board of Directors

FROM: Dan Jaggers, General Manager

SUBJECT: **Continued Review of Anticipated California Drought Conditions, District Urban Water Management Plan Drought Restrictions and BCVWD Resolution 2014-05 Regarding Issuance of Will-Serve Letters and Other Drought Response**

Staff Recommendation

Direct staff as desired.

Attachments

1. California Drought Monitor Map - May 27, 2021
2. Current Reservoir Conditions – June 1, 2021
3. Resolution 2014-05 Precluding Approval of Issuance of WSLs
4. Urban Water Management Plan 2017 Part 8 – Water Shortage Contingency Plan

References:

Houseboats are evacuated from Lake Oroville due to California drought
(Daily Mail 6/2/2021)
https://www.msn.com/en-us/weather/topstories/houseboats-are-evacuated-from-lake-oroville-due-to-california-drought/ss-AAKDwVm

Stunning new photos reveal depths of 'historic' California drought
Some farmers are already abandoning their crops
(SF Gate 6/2/2021)
https://www.sfgate.com/local/slideshow/california-drought-almond-heat-wave-photos-222315.php

The numbers California's drought manager wants you to see
(SF Gate 6/2/2021)
https://www.sfgate.com/bayarea/article/California-drought-data-natural-flow-Jeanine-Jones-16184234.php

What's Causing California's drought?
The state depends heavily on just a few big storms a year, scientists say, and they haven't been arriving
(The Mercury News 5/24/2021)
https://www.mercurynews.com/2021/05/24/whats-causing-californias-worsening-drought/

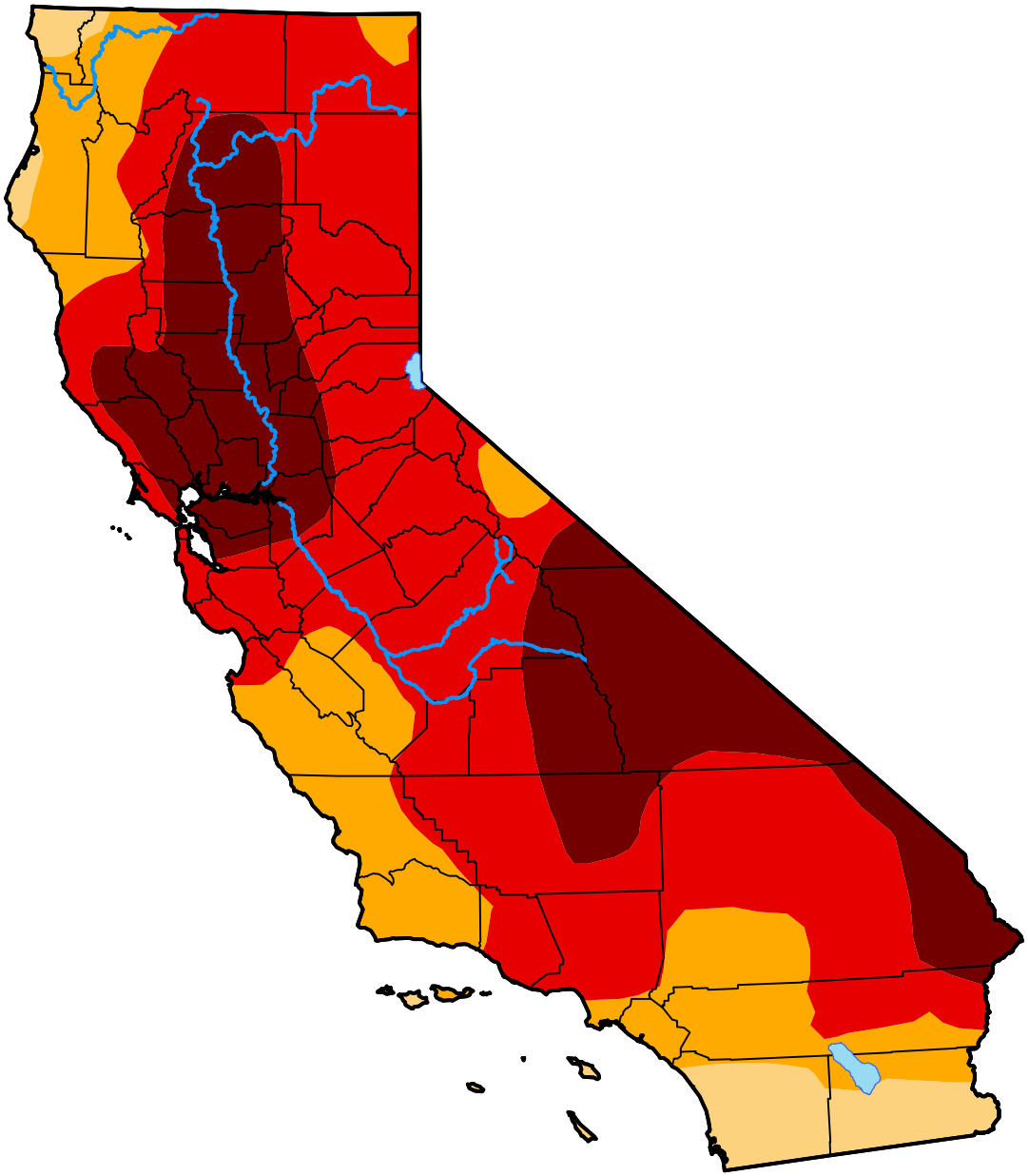
California faces another drought as lake beds turn to dust – a photo essay
Water shortages and dry conditions are already affecting the state as the governor has declared an emergency in 41 of 58 counties
(The Guardian 5/30/2021)
https://www.theguardian.com/us-news/2021/may/30/california-drought-water-shortage-photo-essay

These Eight Facts Show the Seriousness of California's Drought
(The Weather Channel 5/26/2021)
https://weather.com/news/climate/news/2021-05-28-california-drought-facts

California Department of Water Resources – Drought page
https://water.ca.gov/drought/

U.S. Drought Monitor

California



May 25, 2021

(Released Thursday, May. 27, 2021)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	94.61	74.46	26.04
Last Week *05-18-2021*	0.00	100.00	100.00	94.31	73.33	15.91
3 Months Ago *02-23-2021*	0.70	99.30	84.88	56.98	29.54	3.75
Start of Calendar Year *12-29-2020*	0.00	100.00	95.17	74.34	33.75	1.19
Start of Water Year *09-29-2020*	15.35	84.65	67.65	35.62	12.74	0.00
One Year Ago *05-26-2020*	41.80	58.20	46.67	20.84	2.97	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author:

Adam Hartman

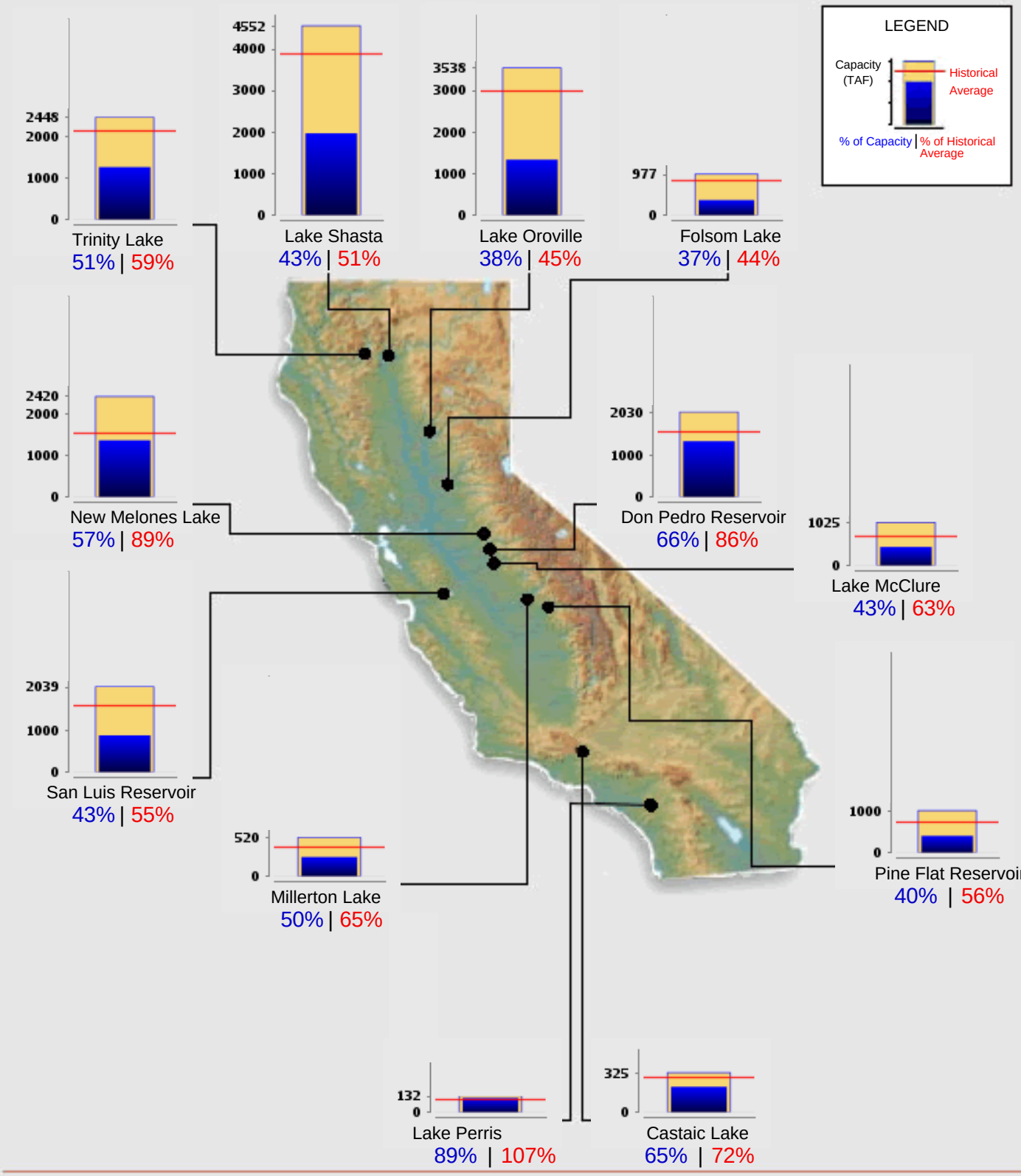
NOAA/NWS/NCEP/CPC

droughtmonitor.unl.edu

Reservoir Conditions

Ending At Midnight - June 1, 2021

CURRENT RESERVOIR CONDITIONS



Graph Updated 06/02/2021 01:18 PM

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:	Woll (vacant seat)
ABSTAINED:	0	BOARDMEMBERS:	

ATTEST: , Secretary

Section 8

Water Shortage Contingency Planning

CWC 10632

The plan shall provide an urban water shortage contingency analysis that includes each of the following elements that are within the authority of the urban water supplier.

- *Stages of Action*
- *Prohibitions on End Uses*
- *Penalties, Charges, Other Enforcement of Prohibitions*
- *Consumption Reduction Methods*
- *Determining Water Shortage Reductions*
- *Revenue and Expenditure Impacts*
- *Resolution or Ordinance*
- *Catastrophic Supply Interruption*
- *Minimum Supply Next Three Years*

Water shortage contingency planning is a strategic planning process to prepare for and respond to water shortages. Good planning and preparation can help maintain reliable supplies and reduce the impacts of supply interruptions.

This section describes BCVWD's water shortage contingency planning. The planning includes staged responses to a water shortage, such as a drought, that occurs over a period of time, as well catastrophic supply interruptions which occur suddenly.

The water shortage contingency plan (WSCP) can be created separately from the UWMP and amended as needed without amending the corresponding UWMP. However, the most current version of the WSCP must be included as part of the UWMP when the UWMP is submitted to DWR.

Stages of Action

10632(a) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions which are applicable to each stage.

The District proposes a five-stage plan of action in the event of an extended drought condition or loss of supply. The action levels for each stage are presented in the subsections that follow, and the water supply reduction stages are provided in Table 8-1. These stages could be implemented as a result of BCVWD water shortages, including reduction in imported water allocation, or mandatory water conservation targets by the Governor's office.

Table 8-1 Retail Stages of Water Shortage Contingency Plan		
Stage	Complete Both	
	Percent Supply Reduction[1] *Numerical value as a percent*	Water Supply Condition (*Narrative description*)
Add additional rows as needed		
1	10%	Up to a 10% reduction in normal, "long term" water supply; imported water supply allocation averages approximately 50% over a 2-year (or longer) period
2	20%	Up to 20% reduction in normal, "long term" water supply; imported water supply allocation between 49.9% and 25% over a 3-year (or longer) period
3	25%	Up to 25% reduction in normal, "long term" water supply; imported water supply allocation between 24.9% and 10% over a 3-year (or longer) period
4	30%	Up to 30% reduction in normal, "long term" water supply; imported water supply allocation between 9.9% and 5% over a 3-year (or longer) period
5	50%	Up to 50% reduction in normal, "long term" water supply; imported water supply allocation averages less than 5% over a 4-year (or longer)period
[1] *One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.*		
NOTES:		

These stages and the percent reductions in demand are based on BCVWD's experience during the state mandated water conservation program targets comparing 2015 with a similar period in 2013. BCVWD was able to reduce consumption by 24.3% for the period May 2015 through April 2016. This was done through the restrictions in Board of Directors Resolution 2015-05 which limited watering to two days per week.

In establishing the "Stages," BCVWD has the advantage of the Beaumont Basin, its large storage capacity for banked water, and BCVWD's 80,000 AF storage account. BCVWD currently has 25,568 AF in storage, despite an average SWP allocation of only 43% for the period 2012 through 2015. BCVWD's plan is to purchase additional imported water over that needed to meet demands to add to the storage account balance each year including making up for any shortfall that may occur during dry years. The District's goal is to fill the storage account by 2040 or before.

Stage 1

Stage 1 occurs when:

- A 10% water use reduction from the established base year is required, or

- Imported water supply allocation averages approximately 50% over a two year(or longer) period

The District declares a water shortage and imposes voluntary water conservation. In this stage the District shall notify all its customers that water deliveries may be reduced. The District will recommend a voluntary 10% water use reduction based on an established base year to be determined by the District at the time Stage 1 is implemented. At the same time the District shall implement its own public awareness program to encourage the efficient use of water. This will be accomplished by bill stuffers, web site information, and articles in the local newspaper.

Stage 2

Stage 2 occurs when:

- A 20% water use reduction from the established base year is required, or
- The SWP allocation averages between 49.9% and 25% over a three year (or longer) period, or
- Stage 1 voluntary conservation efforts do not yield the 10% reduction in demand.

At this point the District will initiate water restrictions similar to Resolution 2015-05 and require a 20% reduction in demand from an established base year.

Stage 3

Stage 3 occurs when:

- A 25% water use reduction from the established base year is required, or
- The SWP allocation averages between 24.9% and 10% over a three year (or longer) period, or
- The Stage 2 conservation efforts do not result in the required 20 percent reduction

In this stage the District will impose restrictions similar to Resolution 2015-05, but limit lawn watering to one day per week and no filling of swimming pools. Topping off of swimming pools is permitted. No new construction meters will be approved. Use of recycled or non-potable water for construction activities will be encouraged. The District will adopt financial incentives to encourage efficient water use. Public awareness programs will expand to schools.

Stage 4

Stage 4 occurs when:

- A 30 % water use reduction from the established base year is required, or
- The SPW allocation averages between 9.9% and 5%, over a three year (or longer) period, or
- The Stage 3 conservation efforts do not result in the required 25 percent reduction

In this stage the District will impose restrictions similar to Resolution 2015-05, but make more stringent including prohibit lawn watering except for lawns and turf irrigated with recycled or non-potable water. No filling of swimming pools; topping off of swimming pools may be permitted. Hand watering of plantings is permitted two days per week if using a hose with a shut-off nozzle. Use of potable water for construction activities will be prohibited; only recycled or non-potable water, if available, can be used for construction activities. Trucking recycled water may be necessary. The District will adopt financial incentives to encourage efficient water use. Stricter enforcement penalties will be developed. At this Stage, the District will appoint a water conservation advisory committee. This committee will comprise of officials from the District, the City of Beaumont, and the Cherry Valley community. Public awareness in schools will continue. District staff will work with high water using commercial/retail and industrial facilities to develop programs to reduce water use.

Stage 5

Stage 5 occurs when:

- A 50% water use reduction from the established base year is required, or
- The SWP allocation averages less than 5% for four consecutive years

In this stage the District will impose restrictions similar to Resolution 2015-05, but prohibit lawn watering except for lawns and turf irrigated with recycled or non-potable water. No filling of swimming pools; topping off only permitted on covered pools. Hand watering of plantings is permitted one day per week if using a hose with a shut-off nozzle. Use of potable water for construction will be prohibited; only recycled or non-potable water may be used for construction activities, as determined by the Board of Directors. Trucking recycled water may be necessary. “Will serve” letters or annexations will not be approved by the Board of Directors. The District will adopt financial incentives to encourage efficient water use. Stricter enforcement penalties will be developed. The water conservation advisory committee will continue to function. This committee will comprise of officials from the District, the City of Beaumont, and the Cherry Valley community. Public awareness in schools will continue. District staff will work with high water using commercial/retail and industrial facilities to develop programs to reduce water use.

Implementation

Implementation of any of the above stages will require action by the Board of Directors and should only be considered after a public hearing wherein the conditions that bring about the reduction in supply and current consumption are discussed, options considered, and impacts on the revenue stream and public are presented. The public will generally be provided an opportunity to provide public input on implementation of water shortage contingency stages.

Prohibitions on End Users

> ***CWC 10632***
>
> *(a)(4) Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.*
>
> *(5) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.*

Table 8-2 provides a list of water use prohibitions and the various stages when they would be implemented. The list is "fixed" by DWR; other prohibitions may be considered by the Board. Note that if a prohibition is listed for a given stage, it would be applicable to all higher numbered stages. For example, a prohibition in Stage 2 would be prohibited in Stages 3, 4, and 5 also.

Except in extreme sudden emergencies, the Board of Directors would normally hold a public hearing to discuss the conditions requiring prohibitions in water use. Comments from the public will be taken and considered before making a decision. Some of the restrictions could include one or more of the above depending on the water shortage and its duration. A resolution would be adopted identifying the course of action and mandatory restrictions.

It is possible that the initial recommended prohibitions may not result in the desired reduction and more restrictive measures need to be taken. The Board would then call for another public hearing, present the facts and the results to-date of the implementation of the water restrictions and the need for further reductions. Further reductions could then be implemented through a resolution.

The list presented in Table 8-2 is not intended to include all possible restrictions; other measures may be identified during the public hearing and implemented.

Customers would be notified in writing of any prohibitions set by the Board and notices would be posted on the District's website, and the local newspapers and cable TV (English and Spanish versions.

Water Features and Swimming Pools

> ***CWC 10632***
>
> *(b) Commencing with the urban water management plan update due July 1, 2016, for purposes of developing the water shortage contingency analysis pursuant to subdivision (a), the urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.*

Health and Safety Code Section 115921

As used in this article the following terms have the following meanings:

(a) "Swimming pool" or "pool" means any structure intended for swimming or recreational bathing that contains water over 18 inches deep. "Swimming pool" includes in-ground and aboveground structures and includes, but is not limited to, hot tubs, spas, portable spas, and non-portable wading pools.

In Table 8-2, swimming pools are separate and distinct from "water features." Water features include decorative ponds, water hazards on golf courses, artificial waterfalls and fountains. Golf course water hazard ponds that serve as irrigation reservoirs or balancing ponds, supplied with private wells are not covered by BCVWD's water restrictions. BCVWD water restrictions do not apply to water features supplied by private wells.

Stock ponds for animal watering are not covered under the swimming pool or water feature restrictions. Recycled and non-potable water may be used without restriction in water features and ponds if approved for use.

Penalties, Charges, and Enforcement of Provisions

10632(f) Penalties or charges for excessive use, where applicable.

BCVWD has provisions within its Rules and Regulations to establish charges for excessive water use. Currently there is 2-tiered rate structure in effect which increases the unit cost (per one hundred cubic feet (HCF) for water use in a billing period over 44 HCF. BCVWD could increase these charges, initiate consumption surcharges for excessive use to cover the additional cost of imported replacement water, and/or provide for additional tiers upon proper notification and following the procedures established by Proposition 218. This is not something that can be done on short notice however.

BCVWD has "water waster" provisions in Part 15 of its Rules and Regulations.

> "15-1 PROHIBITION OF WATER WASTER – No person, firm, or corporation shall use, deliver, or apply waters received from this District in any manner that causes the loss, waste, or the applications of water for unbeneficial purposes. Within the meaning of this Regulation, any waters that are allowed to escape, flow, and run into areas which do not make reasonable beneficial use of such water, including but not limited to streets, gutters, drains, channels, and uncultivated lands, shall be presumed to be wasted contrary to the prohibitions of these Rules and Regulations.
>
> 1) Upon the first failure of any person, firm, or corporation to comply, this District shall serve or mail a warning notice upon any person determined to be in violation of these Rules and Regulations.

Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses			
Stage	Restrictions and Prohibitions on End Users ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool*	Additional Explanation or Reference *(optional)*	Penalty, Charge, or Other Enforcement? *Drop Down List*
Add additional rows as needed			
All	Landscape - Restrict or prohibit runoff from landscape irrigation	Part of BCVWD's Water Waste Provisions	Yes
2	Landscape - Limit landscape irrigation to specific times		Yes
2	Landscape - Limit landscape irrigation to specific days	2 days per week	Yes
2	CII - Lodging establishment must offer opt out of linen service		Yes
2	CII - Restaurants may only serve water upon request		Yes
2	Landscape - Prohibit all landscape irrigation	Prohibit irrigation of street median turf only	Yes
2	Water Features - Restrict water use for decorative water features, such as fountains		Yes
2	Other - Prohibit use of potable water for washing hard surfaces		Yes
3	Other - Require automatic shut of hoses		Yes
3	Landscape - Limit landscape irrigation to specific days	1 day per week	Yes
3	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner		Yes
4	Landscape - Prohibit certain types of landscape irrigation	Hand watering only with auto nozzle	Yes
5	Pools and Spas - Require covers for pools and spas		Yes
5	Pools - Allow filling of swimming pools only when an appropriate cover is in place.		Yes
5	Other - Prohibit use of potable water for construction and dust control		Yes
5	Other - Prohibit vehicle washing except at facilities using recycled or recirculating water		Yes
NOTES:			

2) Upon the second failure of any person, firm or corporation to so comply, the water charges of any such consumer shall be doubled until full compliance with these Rules or Regulations has been established to the satisfaction of the Board of Directors of the District.

3) Upon the third failure of any person, firm, or corporation to so comply, the District shall terminate water service to any connection through which waters delivered by the District are wasted in violation of these Rules and Regulations."

In Resolution 2016-05, there was a list of financial penalties for violation of the water restrictions in the Resolution.

- Upon the first failure of any person, firm, or corporation to comply, the District shall serve or mail a warning notice upon any person determined to be in violation of the District's Rules and Regulations
- Upon the second failure of any person, firm, or corporation to so comply, the water charges of any such customer shall be doubled until full compliance with the District's Rules and Regulations has been established to the satisfaction of the Board of Directors of the District.
- Upon the second failure of any person, firm, or corporation to so comply, the District shall terminate water service to any connection through which waters delivered by the District are wasted in violation of the District's Rules and Regulations.

Consumption Reduction Methods

> ***CWC 10632***
>
> *(a)(5) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.*

Table 8-4 presents some consumption reduction methods, separate from the restrictions and prohibitions presented previously. The list in Table 8-5 is limited by DWR and so does not include all possible methods.

- **Expand Public Information** – BCVWD should work with SGPWA and the other retailers in the San Gorgonio Pass to develop a consistent, region-wide message that could include regular articles in the local newspapers, displays at major events, low water using garden workshops, etc. Expand into the schools and service clubs. Work with the high volume water users in the commercial/retail/industrial area to determine if there are water reduction opportunities.

- **Improved Customer Billing** – Provide customers with their historic usage for the past year in graphical format (bar charts) with target levels for water conservation. Provide data on other typical customers in the District's service area.

Table 8-3 Retail Only: Stages of Water Shortage Contingency Plan - Consumption Reduction Methods		
Stage	Consumption Reduction Methods by Water Supplier *These are the only categories that will be accepted by the WUEdata online submittal tool*	Additional Explanation or Reference *(optional)*
Add additional rows as needed		
2	Expand Public Information Campaign	
3	Improve Customer Billing	Provide Historic Record and comparison of use on similar properties. Show targets and actual reductions
4	Provide Rebates for Landscape Irrigation Efficiency	Consider rebates on smart controllers with SGPWA
3	Provide Rebates for Turf Replacement	Work with SGPWA to develop replacement programs
NOTES:		

- **Rebates for Irrigation Efficiency Improvements** – BCVWD should work with SGPWA to provide rebates to improve irrigation efficiency including drip systems and smart controllers. Replacement of spray nozzles with rotating nozzles reduces water consumption significantly and prevents overspray.
- **Rebates for Turf Replacement** -- BCVWD should work with SGPWA to provide rebates to convert turf areas to low water using drought tolerant plantings.
- **Other Methods Not on DWR's List:**
    - Work with the City of Beaumont and developers to install drought tolerant, low water using plantings in common areas and street medians. Reduce turf and planted areas in new home construction.
    - Convert existing street median and common area turf areas to drought tolerant, low water using plantings.
    - Begin using recycled water for landscape irrigation. This method has the greatest potential for reducing potable water use in the BCVWD service area.
    - Restrict construction water use to non-potable water

- Implement more tiers in the rate structure to reflect the cost for purchase of imported water as a result of higher use.

BCVWD does not perform extensive main flushing or any hydrant flow testing. All water taken from fire hydrants is metered and billed.

Determining Water Shortage Reductions

> *10632(i) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.*

The District keeps historic and current pumping records on all of its wells. The imported water delivered by the Pass Agency is metered both by the Pass Agency/DWR Meter and BCVWD's own meter. All of the District's customers are metered. BCVWD's customer billing system retains customer water usage by billing period. Except for water used from hydrants to fight fires or water lost due to accidents breaking fire hydrants, all water taken from hydrants for construction, street sweeping, vactor trucks, etc. is metered. These records are used to determine seasonal and annual fluctuations in water use.

BCVWD can compare pumping records from one year to the next to determine actual reductions in water use. The District, through its billing system, is able to track historic and current use by service account and therefore track customer usage during a drought and evaluate the effectiveness of each conservation measure implemented under this plan.

Revenue and Expenditure Impacts

> *10632(g) An analysis of the impacts of each of the actions and conditions described in subdivisions (a) to (f), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.*

Drought Rate Structures and Surcharges

BCVWD does not have a drought rate structure or surcharge in place at this time.

Use of Financial Reserves

Rather than identify the financial impacts of each prohibition on BCVWD's financial position, the impacts will be assessed on a "percent reduction in water demand" basis.

The District's current water rate structure includes a service (meter) charge (bimonthly, regardless of how much water is used), and a 2-tiered commodity charge per 100 cu ft of water used. In addition there is a power surcharge and an imported water surcharge per 100 cu ft of water used.

During times of drought, the revenue from the commodity charge and the power and imported water surcharges would be reduced by an amount equal to the water conservation effort. The meter charge would not be affected. But the reduction in water consumption will also reduce the power consumption needed to pump and produce water and reduce the need for imported water, essentially balancing out the reduction in surcharge revenue.

For 2016, the proposed budget estimated $2.6 million in fixed meter (service) charges and $3.79 million in water sales revenue including agricultural water sales and construction water sales (commodity charge). Water importation surcharges were budgeted at $1.75 million and SCE power surcharge at $1.55 million. So total "variable" revenue would be $7.09 million. The expenses budgeted for chemicals and treatment, electricity and imported water was $2.33 million. The fixed meter (service) charges would not be affected by a reduction in water sales. All of the other revenues and expenses would be.

It is important to note the 2016 budget was based on 8,700 AFY of water sales, which is about 10% less than year 2015 projected ending. So this already represents a conservative position.

Assuming a water reduction of 25% is required for a 2-month long-term interruption, the annual reduction would be (2/12) * 25% or 4.2%. The resultant loss in water sales revenue would be $298,000, i. e, 0.042 *$7.09 million; the reduction in chemicals, electricity and imported water purchase would be $98,000. The net would be an annual loss of revenue of $200,000.

A 50% reduction in water demand for a period of 1 month would result in a similar net annual revenue loss of $200,000.

The costs above do not include additional staff overtime that may be required providing notifications, production, publication, and mailing of notices; updates, water conservation messages, inspection and enforcement. An estimate of $25,000 for each "event" is reasonable to cover these costs. So the total annual impact could be in the $225,000 to $250,000 range.

If water reduction of another 10% on an annual basis were required, i.e., water sales at 7,900 AFY versus the 8,700 AFY budgeted, the impact would be a net loss of $476,000.

The BCVWD audited Financial Report for 2014 showed BCVWD with over $131.6 million in net assets of which $13.5 million was in unrestricted funds. The impact of a net $175,000 loss due to a water reduction of 25% over a 2 month period (or 50% for a 1 month period), or even another 10% reduction on an annual basis will not affect BCVWD's operation. The $476,000 is less than 4% of the District's unrestricted cash assets. As a result, no special action is needed.

Other Measures

BCVWD will be looking a performing a rate review in 2017. The last rate review was in 2010, and the Board of Directors established rates from 2010 through 2015. The 2015 rates are currently in effect. The financial analysis presented above was based on reduced consumption and the 2015 rates.

Resolution or Ordinance

10632(h) A draft water shortage contingency resolution or ordinance.

A draft water shortage contingency resolution is included at the end of this Section.

Catastrophic Supply Interruption

Water Shortage Contingency Planning

10632(c) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.

Water supplies may be interrupted or reduced significantly in a number of ways –regional and local power outage, an earthquake that damages water delivery or storage facilities, or a contaminated well or water source. This section describes how BCVWD will meet the maximum day demands of their customers and their plans to respond to such emergencies so that emergency needs are met promptly and equitably. Table 8-4 presents the average day and maximum day demands for the period 2005 through 2035 based on BCVWD's maximum day/average day ratio of 2.0. The data was taken from BCVWD's 2015 Potable Water Master Plan and represents a very conservative approach to growth and does not consider any lingering water conservation effect. This provides the backdrop for the sub-sections to follow.

Table 8-4
Historic and Projected Average and Maximum Day Potable Water Demands
(source: 2015 Potable Water Master Plan)--(no conservation effect)

Year	Average Day Demand, AFY	Average Day Demand, mgd	Maximum Day Demand, mgd
2005	9,306[1]	7.4	17.0 actual
2010	11,023[1]	8.3	19.7 actual
2015	10,252[2]	9.2	15.3 actual
2020	14,753	13.17	26.34
2025	16,576	14.80	29.59
2030	18,674	16.67	33.34
2035	20,658	18.44	36.88
2040	22,483	20.07	40.14

[1] Total water demand since potable water used in non-potable system

[2] Total potable water demand and potable water into non-potable system

Regional and Local Power Outage

To meet emergency water needs BCVWD has both gravity storage and wells. Storage can provide for short term power outages; wells, equipped with standby generators or emergency power connections can meet longer term power outages.

Storage

The storage can provide short term water supply for regional or local power outage, i.e., a few hours to one day depending on the time of year and water demand. Approximately 24 MG (72.5 acre-feet) of gravity storage is available as listed in Table 8-5.

The reservoir storage capacity in Table 8-5 does not include the Twelfth and Palm Reservoir (0.4 MG). This serves as an equalization tank for the Twelfth and Palm Boosters. The almost 23.45 MG of gravity storage is more than 2.5 x maximum day based on 2015 conditions. Considering the vast amount of water storage in the Beaumont Basin aquifer, the need for large amounts of above-ground gravity storage is not warranted– provided, of course, there is adequate well capacity to meet the maximum day demands. BCVWD has such well capacity on standby power or capable of being connected to portable standby generators.

Table 8-5
Gravity Storage Reservoirs in BCVWD System

Available Reservoirs	Total Aboveground Storage (MG)	Total Aboveground Storage (AF)
Upper Edgar	0.75	1.5
Lower Edgar	1.0	3.1
Noble & Highland Springs	3.0	9.2
Vineland I, II & III	5.5	18.5
Cherry I,II, and III	4.1	12.3
Taylor	3.9	12.0
Hannon (2650 Zone)	5.0	15.3
3900 Zone (not yet operational)	0.2	0.6
TOTAL	23.45	72.5

Wells

Wells equipped with emergency power or emergency power connections can supply up to a maximum of 14,880 gpm, or 65.7 acre-feet per day (AF/day) or 21.4 mgd and assumes all wells in service. See Table 8-6. This capacity only includes BCVWD's share of the joint wells with the City of Banning. (If there was a regional power outage, the City of Banning would likely need water too, and would rely on their share of the well capacity.)

The District has three portable generators. The portable units have the capability of running up to 50, 350 and 550 horsepower (hp) motors respectively.

BCVWD's wells with standby power or standby power connections can provide water to meet the maximum day demand to the year 2018 assuming all wells with standby power or standby power connections are in service and growth occurs as projected. With conservation, the wells should have capacity to beyond 2020. So a local or regional power outage should have little or no impact. If, however, Well 29, BCVWD's largest well, is out of service for any reason due to mechanical failure, BCVWD will only be able to supply 15.4 mgd and will not be able to meet the maximum day demand during a regional power outage of extended duration. During such an event, water use, e.g., irrigation, will have to be restricted. It should be noted that 15.4 mgd **will** be able to supply an average day to well beyond the year 2035; so the impacts of a regional power outage will depend on the time of year.

BCVWD has plans for the rehabilitation/replacement of Well 2 which should boost capacity by 1,500 gpm (2.2 mgd) or more. This well should be equipped with a generator or standby power connection. As other wells are constructed, they should have standby power to provide back-up and reliability.

Pressure Zone Transfers and Boosting

BCVWD is able to move water between pressure zones through pressure regulators and booster pumping stations. Except for the Cherry Yard Boosters (21A, 21B and 21C), which are used regularly, the other boosters are usually used only for emergency transfers when gravity transfer from higher pressure zones cannot be made.

Boosters 21A and 21B which pump from the Cherry Reservoir (2750 Zone) to Noble Reservoir (3040 Zone) have transfer switches so a portable generator can be connected. Booster 21C has a natural gas driven pump that has a capability of pumping 1,500 gpm from the Cherry reservoir (2750 Zone) to the Noble reservoir (3040 Zone).

Table 8-6
BCVWD Wells with Standby Power or Connections for Standby Power

Well No.	Location	Total Capacity		Remarks
		GPM	AF/Day	
12	Upper Edgar Canyon	130	0..6	Auxiliary engine drive
14	Upper Edgar Canyon	200	0.9	Portable generator connection
6	Middle Edgar Canyon	250	1.1	Portable generator connection
4A	Lower Edgar Canyon	300	1.3	Portable generator connection
16	BSU (Vineland)	800	3.5	Portable generator connection
21	BSU (Cherry Ave)	2,100	9.3	Portable generator connection
22	BSU (Michigan Ave)	1,700	7.5	Portable generator connection
23	BSU (Recharge Site)	2,700	11.9	Standby Generator
24	BSU (Brookside)	1,250	5.5	Standby Generator (only BCVWD's Share of Capacity Shown – total = 2500 gpm)
25	BSU (Starlight)	1,250	5.5	Standby Generator (only BCVWD's Share of Capacity Shown – total = 2900 gpm)
26	BSU (Snapdraggon)	825	3.6	Standby Generator (only BCVWD's Share of Capacity Shown – total = 1650 gpm) Pumps to Potable and Non-potable System
29	BSU (Sunny Cal Egg)	4,000	17.7	Standby Generator
Total Wells with Standby Power or Standby Power Connections		15,505	68.4	22.3 mgd capacity
Total Wells with Standby Power or Standby Power Connections with Well 29 out of service and 26 to Non-potable System		10,680	47.2	15.4 mgd capacity
Total All Wells incl. Edgar Canyon		18,935	83.7	27.3 mgd capacity

There is an emergency booster at the Well 4A site with a 100 hp motor; which is rated at 500 gpm and can boost water from the 3040 Zone to the Upper Edgar Tank (3620 Zone), BCVWD's

highest active pressure zone. In addition, the 50 hp Noble Tank Booster, which has a rated capacity of 500 gpm, can boost water from the 3040 Zone to the 3330 Mesa Pressure Zone.

Stationary backup generators with automatic transfer switches were installed at the headquarters building and at Highland Springs Hydropneumatic system.

Summary

BCVWD is well positioned with a combination of ground storage, wells with standby power or standby power connections and pressure zone boosters to weather extended local or regional power outages. If BCVWD's largest well is out of service for mechanical reasons and demands are high due to climatic conditions, there will be a need to initiate water restrictions to reduce the demands.

As population increases as projected, additional well capacity will be needed to keep pace with the maximum day demand. New wells will be equipped with standby power generators.

Earthquake or Other Natural Disasters

BCVWD Facilities

The San Andreas Fault passes through the San Gorgonio Pass area about 8 to 10 miles north of the center of BCVWD's service area. If a major earthquake were to occur along the San Andreas Fault in the Pass area many of the BCVWD's facilities could be affected.

The Cherry Tanks, Upper Edgar Tank, Taylor Tank, the Vineland Tanks and the Hannon Tank are all equipped with flexible connectors (EBBA Iron Flex-tends) for movement during an earthquake. Upper Edgar, Cherry Tank III, Vineland II and III, and Taylor Tank are all anchored to their ring wall foundation and have been designed to resist seismic shaking. These are all relatively new tanks constructed since year 2000 and designed and constructed to recent AWWA standards. These tanks should be capable of resisting significant earthquake shaking. BCVWD's other tanks were designed according to AWWA standards in effect at the time they were constructed; but over time the design standards have improved and become more stringent. The greatest vulnerability will be with the older steel tanks.

Experience with other earthquakes, e.g., Landers, magnitude 7.3 (1992), has shown steel water tanks survive but do suffer some minor structural damage. Observations of some of the water tanks showed the inlet/outlet piping sheared off and some "elephant footing" of the side wall occurred but the tanks remained intact. This is what would be expected with BCVWD's older tanks. The newer tanks should survive with little or no damage. The older tanks should be able to be put back into service within a week, if not sooner.

Wells and well pumps could be damaged during a very severe earthquake but they should be able to be returned to service within a month depending on the availability of replacement parts and equipment to repair the pumps.

Piping breaks could be expected to occur, but these can be repaired fairly quickly. BCVWD has an inventory of repair clamps, fittings and pipe as well as staff and equipment to make these repairs.

BCVWD has also constructed emergency "interties" at various locations along Highland Springs Road so that water can be supplied in either direction between the City of Banning and BCVWD.

Another threat is fire in the watershed which could cause damage to wells in Little San Gorgonio Canyon (Edgar Canyon). A severe fire could damage and make inoperable some or all of the eleven active wells in the canyon. Damage could occur to power and telemetry poles, electrical panels, pump house roofs etc. If all of the wells in Edgar Canyon were put out of service, BCVWD would lose about 2.2 mgd (or about 8 percent) of its well capacity. This can be made up by the Beaumont Basin wells; so the impact from a water supply standpoint would be minimal. In this case there would be a financial impact since the replacement water from the Beaumont Basin would be more costly to pump.

Each well is in a concrete masonry block building, but the roof and electrical power lines/poles are vulnerable to fires. A severely burned watershed could present a problem if heavy rains cause mud and debris flows that make access into the canyon difficult. One of the largest fires in the District was the Repplier Fire 11/2/1993 to 11/4/1993 which burned 8,000 acres and caused 2,000 people to be evacuated from Cherry Valley[1]. The cause was determined to be arcing power lines. No District facilities were impacted though the fire did surround the District's "middle houses." No water supply outages occurred. In fact the fire fighters relied on BCVWD water supply facilities to fight the fires.

The bulk of the watershed where the wells are located is owned by BCVWD. BCVWD rigorously controls entry which minimizes the fire danger; but the threat is always there. BCVWD has established procedures for fires in the watershed with a number of the staff actually experiencing them in the past.

Imported Water Interruptions

The SWP California Aqueduct could be interrupted for a number of reasons including:

- Earthquake or extremely high floods destroying levees in the Sacramento-San Joaquin Delta
- Earthquake damage to the aqueduct or any of its major pumping stations
- Subsidence/slippage/flooding of the aqueduct

[1] The Southland Firestorm: Week 2: Latest Southland Fires (1993). Los Angeles Times, Cecilia Rasmussen, researcher, Nov. 3.

Levee Destruction

The U.S. Geological Survey indicated a 63 percent chance of a magnitude 6.7 quake in the next 30 years in the Bay/Delta Area. A 6.7 quake could create a collapse of the 100-year-old levees that channel Delta water, causing saltwater to flood in (dam break in reverse) and contaminate the supply [2] A seismic event creating levee breeches could create an outage of 1 to 2 years[3] A report by the U.S. Department of the Interior, indicated a large earthquake with significant levee breaches could cause disruption in the water supply for 28 months.[4] Based on this, it is not unreasonable to assume the SWP would not be delivering water for at least 2.3 years or say 2.5 years minimum.

Land subsidence in the Delta has been on-going since the 1800s as the peat soil dries and oxidizes. The land subsidence creates increased water level differences and increased water pressures on the levees which increases the risk of breach from causes other than seismic events.

Since 1900 there have been 163 levee breaches which flooded 114 islands. Fifty-one of the breaches have occurred since 1970 about the time the SWP began operation and Oroville Dam was constructed. One levee break occurred in 2004 at the Jones Tract. The cause of the failure was unknown. It happened in June and took about 1 month to "seal" the breach and almost six months to pump out the flooded island.[5] These breaches have not caused significant disruption in the SWP delivery up until now.

Climate is always changing which will bring its own stresses on the Delta levees. Sea level rise will exacerbate the water level differential over time, increasing hydrostatic pressures on the levees. Climate changes will affect the hydrologic response of the Sacramento-San Joaquin River watersheds resulting in higher peak flows and less snowmelt. This will mean higher peak

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[2] SCWC (Southern California Water Committee) Blog (2012). April is Earthquake Preparedness Month in California--Time to Protect California's Water Supply from a Quake, Richard Atwater, April 12.

[3] Jack R. Benjamin and Assoc. in assoc. with Resource Management Associates and Economics Insight (2005). Preliminary Seismic Risk Analysis Associated with Levee Failures in the Sacramento – San Joaquin Delta. Prepared for California Bay-Delta Authority and California Department of Water Resources (June)

[4] US Dept of Interior (undated). Anticipating California Levee Failure: Government response strategies for protecting natural resources from freshwater oil spills, Office of Environmental Policy and Compliance, Region IX, prepared by: Melissa Blach, Karen Jurist, and Sara Morton

[5] DWR (undated). Levee Failures in the Sacramento-San Joaquin Delta, Water Conference Poster, prepared by URS Consultants.

flows earlier in the season than the levees have historically experienced. This in combination with sea level rise will cause increased water pressure on the levees.[6]

In summary, climate change, subsidence, and aging levees will increase the risk of levee breach and the "Jones Tract" experiences can be expected to become more frequent and more severe. However, these should be less catastrophic than a significant seismic event causing an outage of supply due to numerous levee breaches and salt water intrusion shutting down deliveries for as much as 2.5 years or perhaps longer.

Aqueduct or Pump Station Damage

The California Aqueduct could be ruptured by displacement on the San Andreas Fault, and supply may not be restored for a three to six week period or perhaps even longer. The situation would be further complicated by physical damage to the pumping equipment of the electrical switchgear. These repairs could take a number of months depending on the severity.

One of the SWP's important design engineering features is the ability to isolate parts of the system. The Aqueduct is divided into "pools." Thus, if one reservoir or portion of the California Aqueduct is damaged in some way, other portions of the system can still remain in operation and supply water. For example, if the Banks Pumping Plant in Tracy were to be out of service or the aqueduct out of service between Banks Pumping Plant and San Luis Reservoir, water could be delivered into the East Branch from water stored in San Luis Reservoir or Silverwood Reservoir. Similarly if the Edmonston Pumping Plant or the aqueduct either upstream or downstream of Edmonston Pumping Plant were out of service, water to the East Branch could be delivered from water stored in Silverwood Reservoir.

If however, there was damage to the Devil Canyon Power Generating Station or the penstocks leading to it, the East Branch Extension bringing water to the Pass Water Agency would be out of service. The length of service outage could be 6 months or more depending on the severity.

Aqueduct Subsidence, Slippage and Flooding

The Aqueduct is subject to damage from a wide variety of causes. Past examples include slippage of aqueduct side panels into the California Aqueduct near Patterson in the mid-1990s, the Arroyo Pasajero flood event in 1995 (which also destroyed part of Interstate 5 near Los Banos), and various subsidence repairs needed along the East Branch of the Aqueduct since the 1980s. All these outages were short-term in nature (on the order of weeks), and DWR's Operations and Maintenance Division worked diligently to devise methods to keep the Aqueduct in operation while repairs were made. Thus, the SWP contractors experienced no significant

[6] Lund, J. et. al. (2007). Envisioning Futures for the Sacramento-San Joaquin Delta, Public Policy Institute of California.

interruption in deliveries.[7] These events would not have a significant impact on water deliveries to the Pass Agency assuming there is adequate storage in Silverwood Reservoir.

Summary

In the event of a major catastrophe which caused an outage of the State Water Project for an extended period of time, e.g., a year or more, BCVWD would be relying on its own Beaumont Basin storage account to make up the difference. In the event the outage is long enough to deplete the District's storage account, BCVWD could request Watermaster to temporarily waive the need for immediate replenishment and give permission to draw on the Basin. There is over 2 million acre-ft of water in storage in the basin, and short term "mining" will have little impact on the overall water levels in the basin. In this event, BCVWD would begin to implement some water use restrictions. BCVWD is in a unique position that interruptions in supply can easily be accommodated.

Water Supply Contamination

Contamination of BCVWD's water supply could occur as a result of past or current industrial/commercial operations, old dumps and landfills, on-site wastewater disposal systems, cross-connections, vandalism or terrorism. A cross-connection or bacteriological contamination would be the most serious and require immediate action once detected. The actions that are to be taken and the required notification procedures are in the BCVWD's Emergency Response Plan (ERP). The ERP was developed in 2004 and most recently updated in 2011. It is currently (2016) being reviewed and adjustments are made as needed.

Past Industrial/Commercial Operations etc.

Lockheed Martin Corporation[8`]

Lockheed Martin Corporation used two remote sites near Beaumont, Calif., to test solid rocket propellant and motors, weapons, and ballistics. Contamination related to these operations has been identified at both sites—Potrero Canyon and Laborde Canyon. Although the sites are owned or managed by entities other than Lockheed Martin today, Lockheed Martin has assumed responsibility for environmental cleanup at both locations.

The Potrero Canyon site is south of Beaumont and not overlying any of the Beaumont Basin. BCVWD is not extracting any groundwater from this area. Laborde Canyon is located

[7] Kern County Water Agency (2010). Urban Water Management Plan Update.

[8] http://www.lockheedmartin.com/us/who-we-are/sustainability/remediation/beaumont.html Accessed 09052012

southwest of the City of Beaumont in the San Timoteo Badlands and also does not overly the Beaumont Groundwater Basin.

Other Contaminated Sites

The Regional Board's Geographic Environmental Information Management System (GEIMS/GeoTracker) was reviewed for contaminated sites in the BCVWD service area. There are 3 "open" sites in Beaumont; two are in the remediation phase; one is in the site assessment phase. There are 8 "closed" sites which means the Regional Board has approved the remediation or the site was not considered to need remediation. There were 4 sites identified in Cherry Valley; all have been closed.

On-site Wastewater Disposal Systems

BCVWD has been monitoring the nitrate concentration in its wells over the years and has noticed a gradual increase in some wells. At this point in time, no wells are shut down because of nitrate contamination.

The University of California Riverside (UCR), under contract with the SWRCB, conducted a water quality assessment of Beaumont Management Zone with the specific objective of looking at nitrate contamination from on-site wastewater disposal systems.[9]

Forty wells and 11 surface water sites were sampled and analyzed in the UCR study. In the central part of the BMZ, i.e., generally in Cherry Valley, several wells "showed clear signs of contamination by septic systems. The groundwater within the central part of Cherry Valley appeared to be more strongly affected by septic systems than groundwater on the periphery of Cherry Valley. Several wells had measureable concentrations of pharmaceuticals and personal care products (PPCPs) and major anions and cations suggesting septic waste was entering the groundwater system.[10]"

Figure 8-1 shows historical trends in the nitrate concentrations in the BCVWD's wells; wells 1, 16 and 21 are in the Beaumont Basin; wells 4 and 5 are in lower Edgar Canyon.

[9] Univ. of California Riverside (2012). Final Report: Water Quality Assessment of the Beaumont Management Zone: Identifying Sources of Groundwater Contamination Using Chemical and Isotope Tracers. SWRCB Agreement No. R*-2010-0022, Department of Environmental Sciences, Riverside, CA 92521, Feb 3.

[10] Ibid, pg 27

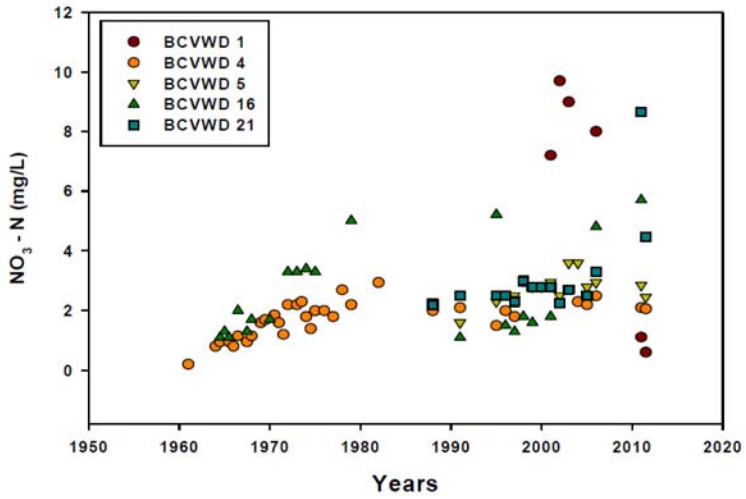

Figure 8-1
Historical Trends in Nitrate-N Concentration in Selected BCVWD Wells11
(MCL for NO3-N = 10 mg/L)

BCVWD has been able to deal with the nitrate concentrations by blending with other lower nitrate source waters when it has become an issue. The last time was in 2006-07 when the District was required by CDDW to monitor nitrate concentration in Well 16 and the 2850 zone reservoir on a regular basis. It is believed that the nitrate incidents may occur again. At some point in time it may be necessary to either install well-head treatment for nitrate removal (ion exchange or reverse osmosis) if blending alone cannot mitigate the problem. If the problem gets worse, sewers may need to be installed in the more densely developed portions of Cherry Valley.

Vandalism and Terrorism

Vandalism and terrorism-related contamination are remote possibilities; nevertheless they could occur. BCVWD has installed intrusion alarms on its new well pump buildings and reservoirs and other critical facilities. Cameras have been installed at the District headquarters and elsewhere. Vandalism has not been a cause for concern in the past; terrorism can be cause for concern; however, BCVWD did have a Vulnerability Assessment and Emergency Response Plan prepared as required by the US EPA after 9/11/2001 attacks. The Vulnerability Assessment is a sensitive document and is kept confidential on file with BCVWD's Director of Operations. The document outlines steps and procedures to be implemented to prevent or minimize terror incidents.

[11] Ibid

BCVWD Actions Needed During Water Supply Interruption

BCVWD has a water system Emergency Response Plan which is reviewed annually. It was last updated in May 2011 and is currently under review. This ERP identifies the actions to be taken, emergency reporting stations, notification and alert process, and procedures for various emergencies. These actions will not be repeated here.

Impact of Local Interruptions of Supply, Vandalism and Terrorism

BCVWD has its own field crews, equipment and materials to respond promptly and make emergency repairs to the water system should vandalism occur. Several of BCVWD's operations staff live on District property in Little San Gorgonio Canyon and so are able to respond to emergencies quickly. There is always an on-call staff person. Operations staff can "poll" the telemetry system remotely with laptop computers to make adjustments and identify problems. When an interruption occurs, such as a pipeline main break, BCVWD staff will immediately respond and isolate the main and stop the leak. That is their first duty. They then assess the situation and determine what needs to be done next. Time permitting they will notify the affected customers of the outage and its expected duration.

BCVWD's Emergency Response Plan contains the procedures to be followed and the required notification process when cross-connections, bacteriological contamination, or other emergency action is required by the CDDW.

The ERP provides specific details on dealing with terror attacks on the water system. This is confidential.

Impact of Longer Term Aqueduct Interruptions

As stated previously, BCVWD is fortunate to have the Beaumont Groundwater Basin available to meet demands even during extended periods of imported water supply outages. BCVWD has an 80,000 AF authorized storage account. As of December 31, 2015, BCVWD's storage account had a balance of 25,568 AF[12]. At the current demand (2015) of about 6,100 AFY for imported water, the amount of water presently in storage is sufficient to meet BCVWD's imported water demands for about four years even if no imported water is available. (Note this does not include the District's additional demand for imported water banking.)

Outage Due to Contamination

Well outage due to contamination, not terrorism-related and not bacteriological, typically occurs gradually. Because of regulatory testing, these problems are identified quickly and appropriate action is taken in accordance with the District's Emergency Response Plan.

[12] 2015 Annual Report (2016). Beaumont Basin Watermaster, Draft, August.

The most serious incident in the past occurred at Wells 1, 16 and 21 where nitrate spiking occurred. Well 1 pumps into a small reservoir at 12th and Palm Avenue which receives water from another well (Well 3 and ultimately Well 2 when it is put back into service). Both Wells 2 and 3 are low in nitrate, so the nitrate spike can easily be blended down to meet the MCL before it is introduced into the distribution system by the 12th and Palm Boosters. Well 16 and 21 pump into a reservoir (Vineland and Cherry respectively). These reservoirs receive water indirectly from a number of other low nitrate wells. Blending is carefully monitored to ensure there is ample low-nitrate water in the reservoir to meet the MCL. So far this has not been an issue and the system blending has complied with CDDW requirements. If these wells increase in nitrates, blending may not be a solution and treatment will be required.

On July 1, 2014 the SWRCB DDW established an MCL for hexavalent chromium (Cr+6) at 0.010 mg/L (10 µg/L). The first step in the implementation was sampling of the District's wells. Amounts just over the MCL were detected in several wells. This hexavalent chromium is due to natural causes. In response to state-mandated hexavalent chromium testing, Well 25 was rehabilitated and Well 26 was modified to pump to the non-potable water system in lieu of providing wellhead treatment at this time. In the future, well head treatment may be installed.

Actions taken during outages due to cross-connection or bacteriological contamination are in the Emergency Response Plan and were discussed above.

Advisory Reductions for Short-term Interruptions

A short-term interruption could result in district-wide water shortage, e.g., several major production wells out of service for maintenance, bacteriological contamination etc., or a localized water shortage, e.g., transmission main break, reservoir out of service, etc. In the latter case, reduction in demand would only be required in a small (localized) portion of the service area.

Localized Interruption

If the interruption is localized, BCVWD staff would typically go "door to door" in the affected area notifying the affected customers of the interruption and the estimated time to get the water supply "back to normal." The purpose is to request the customers to voluntarily reduce their water use until the situation can be remedied. Staff will suggest that they do the following:

1. Avoid watering lawns, washing cars (except at commercial car washes), and filling or adding make-up water to swimming pools
2. Minimize use of water using appliances, e.g., automatic washing machines and dishwashers, i.e., full loads only.
3. Use water wisely within the house, shorten showers, minimize faucet running time, etc.
4. Stop using water from hydrants for construction and dust control

5. Reduce park, school and street median landscape watering to the minimum needed to sustain plant life.

Once the short term emergency is over, BCVWD staff will again notify the customers that the water supply is “back to normal,” thank them for using water wisely and encourage them to continue to do so.

District-wide Interruption

If the interruption is District-wide, individual customer notification is not practical. A more extensive outreach program is needed.

BCVWD management will notify the District’s Board of Directors, City of Beaumont elected officials and management, and the Riverside County Supervisor whose district covers the service area of the District-wide interruption, as appropriate. In addition BCVWD will notify the newspapers, e.g., Riverside Press-Enterprise, Banning Record Gazette, etc., cable TV provider (Time Warner), and local radio stations in Riverside, San Bernardino, and the Coachella Valley, including the Spanish language stations In addition a notice will be posted on the BCVWD website.

Consumers will be urged to conserve water by taking the steps listed above for a localized interruption. Once the short term emergency is over, BCVWD staff will again notify all of the local elected officials, newspapers and cable TV and radio stations that the water supply is “back to normal,” thank them for their conservation efforts and encourage customers to continue to use water wisely.

Minimum supply Next Three Years

§10632(b) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.

Table 8-7 (DWR Table 8-4) presents a summary of the water supply available over the next 3 years (2016, 2017, and 2018). Table 8-8 provides the back-up for Table 8-7.

Table 8-7
(DWR Table 8-4) Minimum Water Supply Next Three Years (2016 – 2018)

DWR Table 8-4 Retail: Minimum Supply Next Three Years			
	2016	2017	2018
Available Water Supply	13,826	9,650	4,508
NOTE: 2016 based on BCVWD receiving 9,870 AF per SGPWA email. Year 2017 and 2018 assumes 35% and 5% SWP Allocation as used in Stress Test. SPW amounts per SGPWA for Stess Test Analysis.			

Table 8-8
Minimum Water Supply Available Next 3 Years

	YEAR		
	2016	**2017**	**2018**
DEMAND			
Potable Water Demand, AFY	11,110	12,020	12,930
Non-Potable Water Demand, AFY	1,410	1,530	1,660
Recycled Water Into Non-potable System, AFY	-	-	775
Total Water Demand Supplied from Groundwater, AFY	12,520	13,550	15,365
SUPPLY			
Groundwater			
Edgar Canyon, AFY	1,117	1,117	1,117
Beaumont Basin, AFY	2,839	2,791	2,826
Imported SPW,AFY	9,870	5,742	565
Subtotal Supply, AFY	13,826	9,650	4,508
From (to) Banked Beaumont Basin Storage, AF	(1,306)	3,900	10,857
BCVWD Beaumont Basin Storage Account Balance, AF	26,874	22,974	12,117

The assumptions in Table 8-8 are:

- The non-potable water system is supplied by non-potable water from the Beaumont Basin. Non-potable water extractions from the Beaumont Basin are assumed to be considered as extractions from BCVWD's storage account.
- The Edgar Canyon extractions represent the smallest 3-year moving average of pumping from 1983 through 2015.
- For the SPW supply for 2016, the allocation to each Contractor is 60%; so the Pass Agency will receive 60% of 17,300 AFY, their Table A amount, or 10,380 AF. Communication from SGPWA indicated BCVWD would receive 9,870 AF for 2016[13]. For the succeeding years, the allocation will follow the period 2013 (35%) and 2014 (5%) as assumed in BCVWD's Self-certification provided to DWR in response to the Drought Emergency Water Conservation directive. These amounts, (5,742 AFY and 565 AFY), were provided to BCVWD by SGPWA.
- Recycled water delivery is assumed to start in 2018.

[13] Email. J. Davis GM SGPWA to E. Fraser, GM BCVWD, April 26, 2016.

- Banked storage in BCVWD's account at the end of 2015 was 25,568 AF.[14]
- An increase in demand of 22.7% from 2016 to 2020.
- Beaumont Basin available groundwater is determined by Watermaster based on a projection of reallocation of unused overlier rights.[15]

The result shows that BCVWD will still have over 12,000 AF in storage at the end of 2018. Even if recycled water has not started, there will still be over 11,300 AF in storage. With some conservation, there will be even more water remaining in storage. This is close to a 1-year supply.

Reconciliation with Self-certification Report

BCVWD submitted a Self-certification Report to DWR in response to the Drought Emergency Water Conservation directive. The Self-certification Report covered the 3-year period 2017 through 2019. The assumptions in the Self-certification Report were slightly different that in Table 8-8. In the Self-certification Report:

- The water was the average of 2013 and 2014 demands demand and remained constant for the 3-year period rather than increasing as in Table 8-8.
- Edgar Canyon supply was the average of years 2013 through 2015 as opposed to the minimum 3-year moving average used in Table 8-8.
- BCVWD did not include any recycled water.
- The reallocated unused overlier rights were based on the 2014 Watermaster Annual Report vs. the 2015 Watermaster Annual Report in Table 8-8.
- The amount of water in banked storage in January 2017, the start of the Self-certification Report evaluation, was estimated to be 27,576 AF.
- The amount of groundwater in banked storage at the end of the 3-year Self-certification period was 16,831 AF

The analysis presented in Table 8-8 represents a more severe drought analysis although in either case, BCVWD has water, in storage, even after the extension of the drought.

[14] Beaumont Basin Watermaster (2016). 2015 Annual Report – Draft., August

[15] Ibid

DRAFT

RESOLUTION _____

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE BEAUMONT CHERRY VALLEY WATER DISTRICT
WATER SHORTAGE CONTINGENCY REGULATIONS**

The Board of Directors of the Beaumont Cherry Valley Water District (District) does hereby resolve:

WHEREAS, the Urban Water Management Plan (UWMP), 2015 Update, adopted by the Board contains provisions relating to water shortages and contingencies due to catastrophic outage of state, regional and District supply facilities, hydrologic conditions resulting in lower than normal water supply or other factors which prevent the District from providing as much water as is customary; and

WHEREAS, the District endeavors to supply water in sufficient quantities to protect public health; and

WHEREAS, the District has established four stages of action in the UWMP 2015 Update which impose both voluntary and mandatory reductions in water use depending on the severity of the shortage,

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of the District as follows:

1. The General Manager is hereby authorized to declare a Water Shortage according to the Water Shortage Contingency Plan in the UWMP 2015 Update
2. The General Manager is hereby authorized and directed to implement the various stages identified in the UWMP 2015 Update
3. The General Manager shall monitor water use and recommend to the Board of Directors additional measures as may be required to conserve water resources and ensure public health.

ADOPTED this _____

BEAUMONT CHERRY VALLEY WATER DISTRICT

_____

President of the Board of Directors of the
Beaumont Cherry Valley Water District