



**BEAUMONT-CHERRY VALLEY WATER DISTRICT  
AGENDA  
REGULAR MEETING OF THE BOARD OF DIRECTORS  
560 Magnolia Avenue, Beaumont, CA 92223  
Wednesday, June 11<sup>th</sup>, 2014  
Regular Session 7:00 p.m.**

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**Call to Order, President Woll**

**Pledge of Allegiance, Director Ball**

**Invocation, Director Ross**

**Roll Call**

**Public Comment**

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

**ACTION ITEMS**

- 1. Adoption of the Agenda** (pages 1-3)
- 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. April 2014 Budget Variance Report Review\*\* (pages 4-8)
  - b. April 30<sup>th</sup>, 2014 Cash/Investment Balance Report\*\* (page 9)
  - c. May 2014 Check Register Review\*\* (pages 10-22)
  - d. May 2014 Invoices Pending Approval\*\* (pages 23-34)
  - e. Minutes of the Regular Meeting May 14<sup>th</sup>, 2014\*\* (pages 35-39)
- 3. Continued Discussion Related to Current Drought Conditions and Review of the District's Water Supply Reliability and Water Shortage Contingency Planning Guidelines as Set Forth in Section 5 of the District's 2013 Urban Water Management Plan\*\*** (pages 40-81)
- 4. Discussion Regarding the Board's Responsibility in Regards to Land Planning\*\*** (page 82)
- 5. Consideration of Resolution 2014-03 A Resolution of the Board of Directors of the Beaumont-Cherry Valley Water District Requesting**

**the County of Riverside Board of Supervisors Oppose Proposed Zone Changes to the Riverside County General Plan\*\* (pages 83-84)**

- 6. Discussion of Grand Avenue Storm Drain Project and Request for Board Direction Regarding Continued Project Development\*\* (pages 85-87)**
- 7. Consideration of Annexation of Parcel for ASM Beaumont Business Center Development (located South of State Route 60/West of Potrero Road) and Approval of Water Service “Will Serve Letter”\*\* (pages 88-95)**
- 8. Consideration of Annexation of Parcels for Revised Hidden Canyon II Development (located South of State Route 60/West of Potrero Road) and Approval of Water Service “Will Serve Letter”\*\* (pages 96-100)**
- 9. Consideration of Approval of Water Service “Will Serve Letter” for the proposed Country Club Village Development\*\* (pages 101-109)**

**10. Reports For Discussion**

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

**11. Announcements**

- Beaumont Basin Watermaster meeting, tentatively scheduled, July 2<sup>nd</sup>, 2014 at 10:00 a.m.
- Finance & Audit Committee meeting, July 3<sup>rd</sup>, 2014 at 3:00 p.m.
- Regular Board meeting, July 9<sup>th</sup>, 2014 at 7:00 p.m.
- Beaumont Basin Watermaster meeting, August 6<sup>th</sup>, 2014 at 10:00 a.m.
- Finance & Audit Committee meeting, August 7<sup>th</sup>, 2014 at 3:00 p.m.
- Regular Board meeting, August 13<sup>th</sup>, 2014 at 7:00 p.m.

**12. Action List for Future Meetings**

- Schedule a workshop to discuss the landscape for the Noble Creek Recharge Phase II Project with the public
- Discussion of facilities fees for new construction
- Update the Board on Infosend after one year
- Solar System Update

**13. Recess to Closed Session**

- a. Conference with Labor Negotiators pursuant to Government Code 54957.6:  
Agency Negotiator: Eric Fraser  
Represented Employees: BCVWD Employee Association

**14. Adjournment**

\*\* Information included in the agenda packet

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

**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 Board Secretary, Melissa Bender, at least 48 hours in advance of the meeting to ensure availability of the requested service or accommodation. Ms. Bender may be contacted by telephone at (951) 845-9581, Ext. 24, email at [melissa.bender@bcvwd.org](mailto:melissa.bender@bcvwd.org) or in writing at the Beaumont-Cherry Valley Water District, 560 Magnolia Avenue, Beaumont, California 92223.

General Ledger

Budget Variance Revenue

User: melissa

Printed: 05/29/14 16:46:44

Period 04 - 04

Fiscal Year 2014

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
<b>50</b>	<b>GENERAL</b>					
01-50-510-419051	Grant Revenue	\$ 20,642.00	\$ -	\$ -	\$ 20,642.00	100.00%
	<b>Grant Rev</b>	<b>\$ 20,642.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,642.00</b>	<b>100.00%</b>
01-50-510-419061	Miscellaneous Income	\$ 250.00	\$ 1.00	\$ 3,863.58	\$ (3,613.58)	-1445.43%
01-50-510-490001	Interest Income - Bonita Vista	\$ 3,000.00	\$ 462.79	\$ 982.28	\$ 2,017.72	67.26%
01-50-510-490011	Interest Income-Fairway Canyon	\$ 51,000.00	\$ 8,019.71	\$ 26,360.68	\$ 24,639.32	48.31%
01-50-510-490021	Interest Income - General	\$ 9,500.00	\$ 2,686.07	\$ 2,686.07	\$ 6,813.93	71.73%
	<b>Misc Income</b>	<b>\$ 63,750.00</b>	<b>\$ 11,169.57</b>	<b>\$ 33,892.61</b>	<b>\$ 29,857.39</b>	<b>46.84%</b>
01-50-510-481001	Fac Fees-Wells	\$ 5,000.00	\$ 1,936.00	\$ 251,680.00	\$ (246,680.00)	-4933.60%
01-50-510-481006	Fac Fees-Water Rights (SWP)	\$ 3,300.00	\$ 1,225.00	\$ 159,250.00	\$ (155,950.00)	-4725.76%
01-50-510-481012	Fac Fees-Water Treatment Plant	\$ 2,400.00	\$ 921.00	\$ 119,730.00	\$ (117,330.00)	-4888.75%
01-50-510-481018	Fac Fees-Local Water Resources	\$ 1,200.00	\$ 485.00	\$ 63,050.00	\$ (61,850.00)	-5154.17%
01-50-510-481024	Fac Fees-Recycld Wtr Facilities	\$ 3,700.00	\$ 1,402.00	\$ 214,169.52	\$ (210,469.52)	-5688.37%
01-50-510-481030	Fac Fees-Transmission (16")	\$ 4,000.00	\$ 1,568.00	\$ 203,840.00	\$ (199,840.00)	-4996.00%
01-50-510-481036	Fac Fees-Storage	\$ 5,400.00	\$ 2,008.00	\$ 261,040.00	\$ (255,640.00)	-4734.07%
01-50-510-481042	Fac Fees-Booster	\$ 300.00	\$ 139.00	\$ 18,070.00	\$ (17,770.00)	-5923.33%
01-50-510-481048	Fac Fees-Pressure Reducng Stns	\$ 200.00	\$ 71.00	\$ 9,230.00	\$ (9,030.00)	-4515.00%
01-50-510-481054	Fac Fees-Misc Projects	\$ 200.00	\$ 62.00	\$ 8,060.00	\$ (7,860.00)	-3930.00%
01-50-510-481060	Fac Fees-Financing Costs	\$ 1,000.00	\$ 305.00	\$ 39,650.00	\$ (38,650.00)	-3865.00%
01-50-510-485001	Front Footage Fees	\$ -	\$ 2,023.50	\$ 2,023.50	\$ (2,023.50)	0.00%
	<b>Non-Operating Revenue</b>	<b>\$ 26,700.00</b>	<b>\$ 12,145.50</b>	<b>\$ 1,349,793.02</b>	<b>\$ (1,323,093.02)</b>	<b>-4955.40%</b>
01-50-510-410100	SALES	\$ 4,935,480.00	\$ 259,274.85	\$ 1,180,297.18	\$ 3,755,182.82	76.09%
01-50-510-410151	Agricultural Irrigation Sales	\$ 30,000.00	\$ -	\$ 3,283.44	\$ 26,716.56	89.06%
01-50-510-410171	Construction Sales	\$ 57,339.00	\$ 2,731.25	\$ 16,712.95	\$ 40,626.05	70.85%
01-50-510-413001	Backflow Admin Charges	\$ 24,000.00	\$ 2,720.97	\$ 9,639.84	\$ 14,360.16	59.83%
01-50-510-413011	Fixed Meter Charges	\$ 2,279,345.00	\$ 219,506.51	\$ 837,512.45	\$ 1,441,832.55	63.26%
01-50-510-413021	Meter Fees	\$ 75,000.00	\$ 23,070.00	\$ 23,070.00	\$ 51,930.00	69.24%
01-50-510-415001	SGPWA Importation Charges	\$ 2,176,000.00	\$ 119,784.92	\$ 548,504.64	\$ 1,627,495.36	74.79%
01-50-510-415011	SCE Power Charges	\$ 1,627,915.00	\$ 85,932.66	\$ 393,492.45	\$ 1,234,422.55	75.83%
01-50-510-417001	2nd Notice Penalties	\$ 90,000.00	\$ 6,585.00	\$ 29,820.00	\$ 60,180.00	66.87%
01-50-510-417011	3rd Notice Charges	\$ 32,000.00	\$ 2,765.00	\$ 10,440.00	\$ 21,560.00	67.38%
01-50-510-417021	Account Reinstatement Fees	\$ 75,000.00	\$ 10,000.00	\$ 28,500.00	\$ 46,500.00	62.00%
01-50-510-417031	Lien Processing Fees	\$ 6,000.00	\$ 100.00	\$ 400.00	\$ 5,600.00	93.33%
01-50-510-417041	Credit Check Processing Fees	\$ 7,434.00	\$ 805.00	\$ 2,580.00	\$ 4,854.00	65.29%
01-50-510-417051	Returned Check Fees	\$ 2,000.00	\$ 255.00	\$ 1,005.00	\$ 995.00	49.75%
01-50-510-417061	Custmr Damages/Upgrade Charge	\$ 10,500.00	\$ 20.00	\$ 4,306.78	\$ 6,193.22	58.98%
01-50-510-417071	After Hours Call Out Charges	\$ 600.00	\$ 100.00	\$ 350.00	\$ 250.00	41.67%
01-50-510-417081	Bench Test Fees	\$ 180.00	\$ 30.00	\$ 30.00	\$ 150.00	83.33%
01-50-510-417091	Credit Card Processing Fees	\$ 20,621.00	\$ 2,404.50	\$ 9,425.50	\$ 11,195.50	54.29%
01-50-510-419011	Development Income	\$ 30,875.00	\$ -	\$ 21,917.86	\$ 8,957.14	29.01%
01-50-510-419021	Recharge Income	\$ 67,254.00	\$ 2,323.32	\$ 2,323.32	\$ 64,930.68	96.55%
	<b>Operating Revenue</b>	<b>\$ 11,547,543.00</b>	<b>\$ 738,408.98</b>	<b>\$ 3,123,611.41</b>	<b>\$ 8,423,931.59</b>	<b>72.95%</b>
01-50-510-471001	Rent - 12303 Oak Glen	\$ 2,400.00	\$ 200.00	\$ 1,000.00	\$ 1,400.00	58.33%
01-50-510-471011	Rent - 13695 Oak Glen	\$ 2,400.00	\$ 200.00	\$ 1,000.00	\$ 1,400.00	58.33%
01-50-510-471021	Rent - 13697 Oak Glen	\$ 2,400.00	\$ 200.00	\$ 1,000.00	\$ 1,400.00	58.33%
01-50-510-471031	Rent - 9781 Avenida Miravilla	\$ 2,400.00	\$ 200.00	\$ 900.00	\$ 1,500.00	62.50%
01-50-510-471101	Util - 12303 Oak Glen	\$ 3,380.00	\$ 290.07	\$ 757.77	\$ 2,622.23	77.58%
01-50-510-471111	Util - 13695 Oak Glen	\$ 2,200.00	\$ 649.20	\$ 934.69	\$ 1,265.31	57.51%
01-50-510-471121	Util - 13697 Oak Glen	\$ 2,400.00	\$ 725.87	\$ 1,009.65	\$ 1,390.35	57.93%
01-50-510-471131	Util - 9781 Avenida Miravilla	\$ 3,400.00	\$ 661.68	\$ 757.09	\$ 2,642.91	77.73%
	<b>Rent/Utilities</b>	<b>\$ 20,980.00</b>	<b>\$ 3,126.82</b>	<b>\$ 7,359.20</b>	<b>\$ 13,620.80</b>	<b>64.92%</b>
<b>Revenue Total</b>		<b>\$ 11,679,615.00</b>	<b>\$ 764,850.87</b>	<b>\$ 4,514,656.24</b>	<b>\$ 7,164,958.76</b>	<b>61.00%</b>

# General Ledger Budget Variance Expense

User: melissa  
Printed: 05/29/14 17:57:14  
Period 04 - 04  
Fiscal Year 2014

## 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
<b>10</b>	<b>BOARD OF DIRECTORS</b>						
01-10-110-500101	Board of Directors Fees	\$ 30,800.00	\$ 1,000.00	\$ 6,250.00	\$ 24,550.00	\$ -	79.71%
01-10-110-500115	Social Security	\$ 3,100.00	\$ 62.00	\$ 387.50	\$ 2,712.50	\$ -	87.50%
01-10-110-500120	Medicare	\$ 700.00	\$ 14.50	\$ 90.63	\$ 609.37	\$ -	87.05%
01-10-110-500145	Workers' Compensation	\$ 450.00	\$ 16.85	\$ 130.59	\$ 319.41	\$ -	70.98%
01-10-110-500175	Seminar & Travel Expenses	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	\$ -	100.00%
	<b>Board of Directors Personnel</b>	<b>\$ 45,050.00</b>	<b>\$ 1,093.35</b>	<b>\$ 6,858.72</b>	<b>\$ 38,191.28</b>	<b>\$ -</b>	<b>84.78%</b>
01-10-110-550012	Election Expenses	\$ 40,000.00	\$ -	\$ -	\$ 40,000.00	\$ -	100.00%
	<b>Board of Directors Services</b>	<b>\$ 40,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000.00</b>	<b>\$ -</b>	<b>100.00%</b>
<b>Expense Total</b>	<b>BOARD OF DIRECTORS</b>	<b>\$ 85,050.00</b>	<b>\$ 1,093.35</b>	<b>\$ 6,858.72</b>	<b>\$ 78,191.28</b>	<b>\$ -</b>	<b>92.00%</b>
<b>20</b>	<b>ENGINEERING</b>						
01-20-210-500105	Labor	\$ 225,342.00	\$ 10,384.00	\$ 53,134.55	\$ 172,207.45	\$ -	76.42%
01-20-210-500115	Social Security	\$ 12,185.00	\$ 877.60	\$ 3,851.29	\$ 8,333.71	\$ -	68.39%
01-20-210-500120	Medicare	\$ 2,850.00	\$ 205.24	\$ 825.39	\$ 2,024.61	\$ -	71.04%
01-20-210-500125	Health Insurance	\$ 20,100.00	\$ 1,412.36	\$ 4,603.03	\$ 15,496.97	\$ -	77.10%
01-20-210-500140	Life Insurance	\$ 850.00	\$ 56.00	\$ 168.00	\$ 682.00	\$ -	80.24%
01-20-210-500145	Workers' Compensation	\$ 3,500.00	\$ 273.76	\$ 1,101.32	\$ 2,398.68	\$ -	68.53%
01-20-210-500155	Retirement/CalPERS	\$ 63,790.00	\$ 4,430.80	\$ 17,819.40	\$ 45,970.60	\$ -	72.07%
01-20-210-500165	Uniforms & Employee Benefits	\$ 50.00	\$ -	\$ -	\$ 50.00	\$ -	100.00%
01-20-210-500170	Education Expenses	\$ 2,500.00	\$ -	\$ 90.00	\$ 2,410.00	\$ -	96.40%
01-20-210-500175	Seminar & Travel Expenses	\$ 500.00	\$ 135.00	\$ 135.00	\$ 365.00	\$ -	73.00%
01-20-210-500195	CIP Related Labor	\$ (126,850.00)	\$ 3,763.80	\$ (35,714.67)	\$ (91,135.33)	\$ -	71.84%
	<b>Engineering Personnel</b>	<b>\$ 204,817.00</b>	<b>\$ 21,538.56</b>	<b>\$ 46,013.31</b>	<b>\$ 158,803.69</b>	<b>\$ -</b>	<b>77.53%</b>
01-20-210-540048	Permits, Fees & Licensing	\$ 4,000.00	\$ -	\$ -	\$ 4,000.00	\$ -	100.00%
	<b>Engineering Materials &amp; Supplies</b>	<b>\$ 4,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,000.00</b>	<b>\$ -</b>	<b>100.00%</b>
01-20-210-540012	Dev Reimbursable Engineering	\$ 43,364.00	\$ -	\$ -	\$ 43,364.00	\$ -	100.00%
01-20-210-540018	Grant & Loan Procurement	\$ 41,283.00	\$ -	\$ -	\$ 41,283.00	\$ -	100.00%
01-20-210-550068	Software Maintenance	\$ 22,500.00	\$ -	\$ 10,000.00	\$ 12,500.00	\$ -	55.56%
01-20-210-580031	Outside Engineering	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	\$ -	100.00%
01-20-210-580032	CIP Related Outside Engineering	\$ (25,000.00)	\$ -	\$ -	\$ (25,000.00)	\$ -	100.00%
	<b>Engineering Services</b>	<b>\$ 132,147.00</b>	<b>\$ -</b>	<b>\$ 10,000.00</b>	<b>\$ 122,147.00</b>	<b>\$ -</b>	<b>92.43%</b>
<b>Expense Total</b>	<b>ENGINEERING</b>	<b>\$ 340,964.00</b>	<b>\$ 21,538.56</b>	<b>\$ 56,013.31</b>	<b>\$ 284,950.69</b>	<b>\$ -</b>	<b>84.00%</b>
<b>30</b>	<b>FINANCE &amp; ADMIN SERVICES</b>						
01-30-310-500105	Labor	\$ 1,002,617.00	\$ 67,250.96	\$ 260,306.50	\$ 742,310.50	\$ -	74.04%
01-30-310-500110	Overtime	\$ -	\$ 325.00	\$ 681.04	\$ (681.04)	\$ -	0.00%
01-30-310-500115	Social Security	\$ 62,162.00	\$ 4,193.18	\$ 17,137.64	\$ 45,024.36	\$ -	72.43%
01-30-310-500120	Medicare	\$ 14,538.00	\$ 980.64	\$ 3,840.03	\$ 10,697.97	\$ -	73.59%
01-30-310-500125	Health Insurance	\$ 350,000.00	\$ 44,003.86	\$ 67,584.91	\$ 282,415.09	\$ -	80.69%
01-30-310-500130	CalPERS Health Admin Costs	\$ 5,000.00	\$ 119.54	\$ 603.96	\$ 4,396.04	\$ -	87.92%
01-30-310-500140	Life Insurance	\$ 5,600.00	\$ 345.84	\$ 1,037.52	\$ 4,562.48	\$ -	81.47%
01-30-310-500145	Workers' Compensation	\$ 21,088.00	\$ 1,205.47	\$ 4,572.79	\$ 16,515.21	\$ -	78.32%
01-30-310-500150	Unemployment Insurance	\$ 12,760.00	\$ -	\$ -	\$ 12,760.00	\$ -	100.00%
01-30-310-500155	Retirement/CalPERS	\$ 285,800.00	\$ 18,074.72	\$ 69,430.42	\$ 216,369.58	\$ -	75.71%
01-30-310-500160	Post-Employment Health Expenses	\$ 8,500.00	\$ 1,066.50	\$ 4,977.00	\$ 3,523.00	\$ -	41.45%
01-30-310-500165	Uniforms & Employee Benefits	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	\$ -	100.00%
01-30-310-500170	Education Expenses	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	\$ -	100.00%
01-30-310-500175	Seminar & Travel Expenses	\$ 15,500.00	\$ 687.00	\$ 1,941.25	\$ 13,558.75	\$ -	87.48%
01-30-310-500195	CIP Related Labor	\$ (25,000.00)	\$ -	\$ (7,937.81)	\$ (17,062.19)	\$ -	68.25%
01-30-310-550024	Employment Testing	\$ 300.00	\$ -	\$ -	\$ 300.00	\$ -	100.00%
	<b>Finance &amp; Admin Services Personnel</b>	<b>\$ 1,761,865.00</b>	<b>\$ 138,252.71</b>	<b>\$ 424,175.25</b>	<b>\$ 1,337,689.75</b>	<b>\$ -</b>	<b>75.92%</b>
01-30-310-520001	Maint & Rpr-Office Equipment	\$ 2,800.00	\$ -	\$ -	\$ 2,800.00	\$ 39.99	98.57%
01-30-310-550006	Cashiering Shortages/Overages	\$ 50.00	\$ 5.14	\$ 3.85	\$ 46.15	\$ -	92.30%
01-30-310-550018	Employee Medical/First Aid	\$ 500.00	\$ -	\$ 920.00	\$ (420.00)	\$ -	-84.00%
01-30-310-550042	Office Supplies	\$ 42,250.00	\$ 1,373.71	\$ 5,955.76	\$ 36,294.24	\$ 888.89	83.80%
01-30-310-550046	Office Equipment	\$ 82,000.00	\$ 3,250.31	\$ 5,889.44	\$ 76,110.56	\$ 15,989.00	73.32%
01-30-310-550048	Postage	\$ 58,800.00	\$ 8,424.94	\$ 17,302.66	\$ 41,497.34	\$ -	70.57%
01-30-310-550066	Subscriptions	\$ 11,000.00	\$ 759.90	\$ 1,589.40	\$ 9,410.60	\$ 720.00	79.01%

Account Number	Description	Budget	Period Amt	End Bal	Variance	Encumbered	% Avail/ Uncollect
01-30-310-550072	Misc Operating Expenses	\$ -	\$ -	\$ 40.00	\$ (40.00)	\$ -	0.00%
01-30-310-550078	Bad Debt Expenses	\$ -	\$ -	\$ 443.82	\$ (443.82)	\$ -	0.00%
01-30-310-550084	Depreciation	\$ 2,255,000.00	\$ -	\$ -	\$ 2,255,000.00	\$ -	100.00%
	<b>Finance &amp; Admin Svcs Materials &amp; Supplies</b>	<b>\$ 2,452,400.00</b>	<b>\$ 13,814.00</b>	<b>\$ 32,144.93</b>	<b>\$ 2,420,255.07</b>	<b>\$ 17,637.88</b>	<b>97.97%</b>
01-30-310-500190	Temporary Labor	\$ 36,400.00	\$ 3,399.85	\$ 21,920.31	\$ 14,479.69	\$ -	39.78%
01-30-310-550001	Bank Charges	\$ 30,000.00	\$ 1,572.06	\$ 10,643.44	\$ 19,356.56	\$ -	64.52%
01-30-310-550030	Membership Dues	\$ 31,000.00	\$ 3,714.40	\$ 14,882.60	\$ 16,117.40	\$ -	51.99%
01-30-310-550036	Notary & Lien Fees	\$ 4,500.00	\$ -	\$ 142.00	\$ 4,358.00	\$ -	96.84%
01-30-310-550054	Property, Auto& Gen Liab Insure	\$ 105,000.00	\$ 6,692.41	\$ 26,677.90	\$ 78,322.10	\$ -	74.59%
01-30-310-580001	Accounting & Audit	\$ 22,000.00	\$ -	\$ -	\$ 22,000.00	\$ -	100.00%
01-30-310-580011	General Legal	\$ 150,000.00	\$ 9,534.50	\$ 38,028.55	\$ 111,971.45	\$ -	74.65%
01-30-310-580021	IT/Software Support	\$ 27,819.00	\$ 35.97	\$ 2,458.57	\$ 25,360.43	\$ 829.32	88.18%
	<b>Finance &amp; Admin Services Services</b>	<b>\$ 406,719.00</b>	<b>\$ 24,949.19</b>	<b>\$ 114,753.37</b>	<b>\$ 291,965.63</b>	<b>\$ 829.32</b>	<b>71.58%</b>
<b>Expense Total</b>	<b>FINANCE &amp; ADMIN SERVICES</b>	<b>\$ 4,620,984.00</b>	<b>\$ 177,015.90</b>	<b>\$ 571,073.55</b>	<b>\$ 4,049,910.45</b>	<b>\$ 18,467.20</b>	<b>87.00%</b>
<b>40</b>	<b>OPERATIONS</b>						
<b>410</b>	<b>Source of Supply Personnel</b>						
01-40-410-500105	Labor	\$ 217,400.00	\$ 13,935.69	\$ 51,745.35	\$ 165,654.65	\$ -	76.20%
01-40-410-500110	Overtime	\$ 13,476.00	\$ 813.42	\$ 3,583.12	\$ 9,892.88	\$ -	73.41%
01-40-410-500111	Double time	\$ 100.00	\$ -	\$ -	\$ 100.00	\$ -	100.00%
01-40-410-500115	Social Security	\$ 13,476.00	\$ 914.30	\$ 3,427.35	\$ 10,048.65	\$ -	74.57%
01-40-410-500120	Medicare	\$ 3,200.00	\$ 213.83	\$ 801.60	\$ 2,398.40	\$ -	74.95%
01-40-410-500125	Health Insurance	\$ 69,400.00	\$ 4,480.05	\$ 14,283.19	\$ 55,116.81	\$ -	79.42%
01-40-410-500140	Life Insurance	\$ 1,300.00	\$ 102.72	\$ 296.12	\$ 1,003.88	\$ -	77.22%
01-40-410-500145	Workers' Compensation	\$ 15,500.00	\$ 1,231.79	\$ 4,607.64	\$ 10,892.36	\$ -	70.27%
01-40-410-500155	Retirement/CalPERS	\$ 87,500.00	\$ 5,031.48	\$ 18,560.31	\$ 68,939.69	\$ -	78.79%
01-40-410-500165	Uniforms & Employee Benefits	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	\$ -	100.00%
01-40-410-500170	Education Expenses	\$ 1,500.00	\$ -	\$ 72.03	\$ 1,427.97	\$ -	95.20%
01-40-410-500175	Seminar & Travel Expenses	\$ 500.00	\$ -	\$ -	\$ 500.00	\$ -	100.00%
01-40-410-550024	Employment Testing	\$ 200.00	\$ -	\$ -	\$ 200.00	\$ -	100.00%
<b>440</b>	<b>Transmission &amp; Distribution Personnel</b>						
01-40-440-500105	Labor	\$ 521,000.00	\$ 25,683.48	\$ 99,154.30	\$ 421,845.70	\$ -	80.97%
01-40-440-500110	Overtime	\$ 10,000.00	\$ 48.78	\$ 1,903.87	\$ 8,096.13	\$ -	80.96%
01-40-440-500111	Double time	\$ 500.00	\$ -	\$ -	\$ 500.00	\$ -	100.00%
01-40-440-500115	Social Security	\$ 32,500.00	\$ 1,746.54	\$ 6,990.06	\$ 25,509.94	\$ -	78.49%
01-40-440-500120	Medicare	\$ 7,400.00	\$ 408.47	\$ 1,634.81	\$ 5,765.19	\$ -	77.91%
01-40-440-500125	Health Insurance	\$ 193,900.00	\$ 10,758.56	\$ 35,314.41	\$ 158,585.59	\$ -	81.79%
01-40-440-500140	Life Insurance	\$ 3,500.00	\$ 220.86	\$ 593.65	\$ 2,906.35	\$ -	83.04%
01-40-440-500145	Workers' Compensation	\$ 46,300.00	\$ 2,150.85	\$ 8,605.48	\$ 37,694.52	\$ -	81.41%
01-40-440-500155	Retirement/CalPERS	\$ 155,600.00	\$ 9,100.42	\$ 36,680.74	\$ 118,919.26	\$ -	76.43%
01-40-440-500165	Uniforms & Employee Benefits	\$ 5,500.00	\$ 130.00	\$ 813.64	\$ 4,686.36	\$ -	85.21%
01-40-440-500170	Education Expenses	\$ 1,000.00	\$ -	\$ 657.10	\$ 342.90	\$ -	34.29%
01-40-440-500175	Seminar & Travel Expenses	\$ 800.00	\$ -	\$ -	\$ 800.00	\$ -	100.00%
01-40-440-500195	CIP Related Labor	\$ (40,000.00)	\$ 6,545.82	\$ 27,011.72	\$ (67,011.72)	\$ -	167.53%
01-40-440-550024	Employment Testing	\$ 200.00	\$ -	\$ 25.00	\$ 175.00	\$ -	87.50%
<b>450</b>	<b>Inspections Personnel</b>						
01-40-450-500105	Labor	\$ 24,000.00	\$ 1,393.68	\$ 4,186.26	\$ 19,813.74	\$ -	82.56%
01-40-450-500115	Social Security	\$ 1,500.00	\$ 72.46	\$ 233.56	\$ 1,266.44	\$ -	84.43%
01-40-450-500120	Medicare	\$ 300.00	\$ 16.95	\$ 54.63	\$ 245.37	\$ -	81.79%
01-40-450-500125	Health Insurance	\$ 7,200.00	\$ 344.76	\$ 900.80	\$ 6,299.20	\$ -	87.49%
01-40-450-500140	Life Insurance	\$ 150.00	\$ 11.91	\$ 20.43	\$ 129.57	\$ -	86.38%
01-40-450-500145	Workers' Compensation	\$ 2,100.00	\$ 99.01	\$ 314.55	\$ 1,785.45	\$ -	85.02%
01-40-450-500155	Retirement/CalPERS	\$ 9,000.00	\$ 451.97	\$ 1,433.90	\$ 7,566.10	\$ -	84.07%
01-40-450-500165	Uniforms & Employee Benefits	\$ 300.00	\$ -	\$ -	\$ 300.00	\$ -	100.00%
<b>460</b>	<b>Customer Svc &amp; Meter Reading Personnel</b>						
01-40-460-500105	Labor	\$ 140,100.00	\$ 9,601.35	\$ 37,663.53	\$ 102,436.47	\$ -	73.12%
01-40-460-500110	Overtime	\$ 3,700.00	\$ 32.33	\$ 509.42	\$ 3,190.58	\$ -	86.23%
01-40-460-500111	Double time	\$ 100.00	\$ -	\$ -	\$ 100.00	\$ -	100.00%
01-40-460-500115	Social Security	\$ 8,800.00	\$ 572.44	\$ 2,146.89	\$ 6,653.11	\$ -	75.60%
01-40-460-500120	Medicare	\$ 2,100.00	\$ 133.89	\$ 502.06	\$ 1,597.94	\$ -	76.09%
01-40-460-500125	Health Insurance	\$ 70,000.00	\$ 3,860.33	\$ 12,838.97	\$ 57,161.03	\$ -	81.66%
01-40-460-500140	Life Insurance	\$ 1,000.00	\$ 79.62	\$ 218.06	\$ 781.94	\$ -	78.19%
01-40-460-500145	Workers' Compensation	\$ 14,000.00	\$ 785.47	\$ 2,941.15	\$ 11,058.85	\$ -	78.99%
01-40-460-500155	Retirement/CalPERS	\$ 50,500.00	\$ 3,185.22	\$ 11,750.85	\$ 38,749.15	\$ -	76.73%
01-40-460-500165	Uniforms & Employee Benefits	\$ 750.00	\$ -	\$ 117.99	\$ 632.01	\$ -	84.27%
01-40-460-500170	Education Expenses	\$ 400.00	\$ -	\$ -	\$ 400.00	\$ -	100.00%
01-40-460-500175	Seminar & Travel Expenses	\$ 300.00	\$ -	\$ -	\$ 300.00	\$ -	100.00%
01-40-460-550024	Employment Testing	\$ 300.00	\$ -	\$ -	\$ 300.00	\$ -	100.00%
<b>470</b>	<b>Maintenance &amp; General Plant Personnel</b>						
01-40-470-500105	Labor	\$ 32,000.00	\$ 10,006.96	\$ 45,455.34	\$ (13,455.34)	\$ -	-42.05%
01-40-470-500115	Social Security	\$ 1,700.00	\$ 168.62	\$ 888.55	\$ 811.45	\$ -	47.73%
01-40-470-500120	Medicare	\$ 400.00	\$ 39.43	\$ 207.81	\$ 192.19	\$ -	48.05%
01-40-470-500125	Health Insurance	\$ 11,000.00	\$ 1,132.46	\$ 5,081.46	\$ 5,918.54	\$ -	53.80%
01-40-470-500140	Life Insurance	\$ 200.00	\$ 14.25	\$ 82.71	\$ 117.29	\$ -	58.65%



Account Number	Description	Budget	Period Amt	End Bal	Variance	Encumbered	% Avail/ Uncollect
01-40-470-500145	Workers' Compensation	\$ 2,500.00	\$ 231.23	\$ 1,213.95	\$ 1,286.05	\$ -	51.44%
01-40-470-500155	Retirement/CalPERS	\$ 9,950.00	\$ 880.34	\$ 4,457.11	\$ 5,492.89	\$ -	55.20%
	<b>OPERATIONS Personnel</b>	<b>\$ 1,757,102.00</b>	<b>\$ 116,631.74</b>	<b>\$ 449,981.47</b>	<b>\$ 1,307,120.53</b>	<b>\$ -</b>	<b>74.39%</b>
<b>410</b>	<b>Source of Supply Materials &amp; Supplies</b>						
01-40-410-501101	Electricity - Wells	\$ 1,692,915.00	\$ 88,671.26	\$ 261,506.40	\$ 1,431,408.60	\$ -	84.55%
01-40-410-501201	Gas - Wells	\$ 200.00	\$ 13.81	\$ 46.35	\$ 153.65	\$ -	76.83%
01-40-410-510011	Treatment & Chemicals	\$ 80,100.00	\$ 3,870.06	\$ 17,482.86	\$ 62,617.14	\$ 9,589.48	66.20%
01-40-410-510021	Lab Testing	\$ 75,000.00	\$ 4,200.00	\$ 9,800.00	\$ 65,200.00	\$ -	86.93%
01-40-410-510031	Small Tools, Parts & Maint	\$ 100.00	\$ -	\$ -	\$ 100.00	\$ -	100.00%
01-40-410-520021	Maint & Rpr-Telemetry Equip	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	\$ -	100.00%
01-40-410-520031	Maint & Rpr-General Equipment	\$ 100.00	\$ -	\$ -	\$ 100.00	\$ -	100.00%
01-40-410-520061	Maint & Rpr-Pumping Equipment	\$ 100,000.00	\$ 1,366.51	\$ 5,093.81	\$ 94,906.19	\$ 11,160.44	83.75%
01-40-410-550066	Subscriptions	\$ 600.00	\$ -	\$ -	\$ 600.00	\$ -	100.00%
<b>440</b>	<b>Trans &amp; Distribution Materials &amp; Supplies</b>						
01-40-440-510031	Small Tools, Parts & Maint	\$ 100.00	\$ -	\$ -	\$ 100.00	\$ -	100.00%
01-40-440-520071	Maint & Rpr-Pipelines&Hydrants	\$ 65,000.00	\$ -	\$ 2,323.59	\$ 62,676.41	\$ 358.99	95.87%
01-40-440-520081	Maint & Rpr-Pressure Regulators	\$ 5,000.00	\$ -	\$ 257.66	\$ 4,742.34	\$ -	94.85%
01-40-440-540001	Backflow Devices	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	\$ -	100.00%
01-40-440-540024	Inventory Adjustments	\$ 3,000.00	\$ (3,737.27)	\$ -	\$ 3,000.00	\$ -	100.00%
01-40-440-540026	Inventory Purchase Discounts	\$ (5,000.00)	\$ (781.68)	\$ (1,967.14)	\$ (3,032.86)	\$ -	60.66%
01-40-440-540036	Line Locates	\$ 3,000.00	\$ 105.00	\$ 298.55	\$ 2,701.45	\$ -	90.05%
01-40-440-540042	Meters Maintenance & Services	\$ 82,000.00	\$ 812.28	\$ 7,978.79	\$ 74,021.21	\$ 633.77	89.50%
01-40-440-540066	Property Damages & Theft	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%
01-40-440-540078	Reservoirs Maintenance	\$ 12,000.00	\$ 219.84	\$ 219.84	\$ 11,780.16	\$ -	98.17%
<b>470</b>	<b>Maint &amp; General Plant Materials &amp; Supplies</b>						
01-40-470-501111	Electricity - 560 Magnolia	\$ 23,600.00	\$ 1,182.56	\$ 3,201.98	\$ 20,398.02	\$ -	86.43%
01-40-470-501121	Electricity - 12303 Oak Glen	\$ 3,300.00	\$ 171.12	\$ 638.82	\$ 2,661.18	\$ -	80.64%
01-40-470-501131	Electricity - 13695 Oak Glen	\$ 1,100.00	\$ 117.13	\$ 402.62	\$ 697.38	\$ -	63.40%
01-40-470-501141	Electricity - 13697 Oak Glen	\$ 2,725.00	\$ 154.11	\$ 437.89	\$ 2,287.11	\$ -	83.93%
01-40-470-501151	Elec - 9781 Avenida Miravilla	\$ 2,200.00	\$ 70.49	\$ 191.58	\$ 2,008.42	\$ -	91.29%
01-40-470-501161	Electricity - 815 E. 12th	\$ 7,300.00	\$ 171.16	\$ 517.87	\$ 6,782.13	\$ -	92.91%
01-40-470-501321	Propane - 12303 Oak Glen	\$ 120.00	\$ -	\$ -	\$ 120.00	\$ -	100.00%
01-40-470-501331	Propane - 13695 Oak Glen	\$ 1,100.00	\$ 449.54	\$ 449.54	\$ 650.46	\$ -	59.13%
01-40-470-501341	Propane - 13697 Oak Glen	\$ 1,200.00	\$ 429.30	\$ 429.30	\$ 770.70	\$ -	64.23%
01-40-470-501351	Propane-9781 Avenida Miravilla	\$ 1,200.00	\$ 516.55	\$ 516.55	\$ 683.45	\$ -	56.95%
01-40-470-501411	Sanitation - 560 Magnolia	\$ 1,800.00	\$ 92.27	\$ 435.48	\$ 1,364.52	\$ -	75.81%
01-40-470-501461	Sanitation - 815 E. 12th	\$ 3,000.00	\$ 251.10	\$ 1,004.40	\$ 1,995.60	\$ -	66.52%
01-40-470-501471	Sanitation - 11083 Cherry Ave	\$ 3,200.00	\$ 240.12	\$ 720.36	\$ 2,479.64	\$ -	77.49%
01-40-470-501511	Phones - 560 Magnolia	\$ 25,000.00	\$ 143.98	\$ 2,243.58	\$ 22,756.42	\$ -	91.03%
01-40-470-501561	Phones - 815 E. 12th	\$ 3,000.00	\$ 264.32	\$ 789.63	\$ 2,210.37	\$ -	73.68%
01-40-470-501600	PROPERTY MAINTENANCE & REPAIRS	\$ 5,000.00	\$ 25.78	\$ 63.09	\$ 4,936.91	\$ -	98.74%
01-40-470-501611	Maint & Repair- 560 Magnolia	\$ 16,000.00	\$ 1,427.73	\$ 4,559.98	\$ 11,440.02	\$ 1,913.00	59.54%
01-40-470-501621	Maint & Repair- 12303 Oak Glen	\$ 1,200.00	\$ -	\$ -	\$ 1,200.00	\$ -	100.00%
01-40-470-501631	Maint & Repair- 13695 Oak Glen	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	\$ -	100.00%
01-40-470-501641	Maint & Repair- 13697 Oak Glen	\$ 500.00	\$ -	\$ -	\$ 500.00	\$ -	100.00%
01-40-470-501651	Maint & Rpr-9781 Ave Miravilla	\$ 1,500.00	\$ -	\$ 5.93	\$ 1,494.07	\$ -	99.60%
01-40-470-501661	Maint & Repair- 815 E. 12th	\$ 5,000.00	\$ 261.70	\$ 1,068.19	\$ 3,931.81	\$ -	78.64%
01-40-470-501691	Maint & Rpr- Bldgs (General)	\$ 5,000.00	\$ 1,225.50	\$ 1,242.76	\$ 3,757.24	\$ -	75.14%
01-40-470-510001	Auto/Fuel	\$ 100,000.00	\$ 6,153.57	\$ 17,855.91	\$ 82,144.09	\$ -	82.14%
01-40-470-510002	CIP Related Fuel	\$ (15,000.00)	\$ -	\$ -	\$ (15,000.00)	\$ -	100.00%
01-40-470-520011	Maint & Rpr-Safety Equipment	\$ 5,500.00	\$ 5.17	\$ 12.49	\$ 5,487.51	\$ -	99.77%
01-40-470-520031	Maint & Rpr-General Equipment	\$ 45,000.00	\$ 643.68	\$ 2,805.35	\$ 42,194.65	\$ 5,335.10	81.91%
01-40-470-520041	Maint & Rpr-Fleet	\$ 64,200.00	\$ 1,752.28	\$ 10,086.19	\$ 54,113.81	\$ -	84.29%
01-40-470-520091	Maint & Rpr-Communicatn Equip	\$ 2,500.00	\$ -	\$ -	\$ 2,500.00	\$ -	100.00%
<b>510</b>	<b>General Materials &amp; Supplies</b>						
01-40-510-510031	Small Tools, Parts & Maint	\$ 7,300.00	\$ 908.15	\$ 3,024.04	\$ 4,275.96	\$ -	58.57%
	<b>OPERATIONS Materials &amp; Supplies</b>	<b>\$ 2,441,660.00</b>	<b>\$ 111,397.12</b>	<b>\$ 355,744.24</b>	<b>\$ 2,085,915.76</b>	<b>\$ 28,990.78</b>	<b>84.24%</b>
<b>410</b>	<b>Source of Supply Services</b>						
01-40-410-500501	State Project Water Purchases	\$ 2,176,000.00	\$ 86,541.00	\$ 86,541.00	\$ 2,089,459.00	\$ -	96.02%
01-40-410-500511	Ground Water Purchases	\$ -	\$ 25.00	\$ 25.00	\$ (25.00)	\$ -	0.00%
01-40-410-540084	State Mandates & Tariffs	\$ 33,000.00	\$ 14,228.83	\$ 25,974.97	\$ 7,025.03	\$ 1,888.54	15.57%
<b>470</b>	<b>Maintenance &amp; General Plant Services</b>						
01-40-470-540030	Landscape Maintenance	\$ 6,500.00	\$ 2,817.04	\$ 4,476.44	\$ 2,023.56	\$ -	31.13%
01-40-470-540072	Rechrg Facs, Cynns&Ponds Maint	\$ 20,000.00	\$ -	\$ 2,182.66	\$ 17,817.34	\$ -	89.09%
	<b>OPERATIONS Services</b>	<b>\$ 2,235,500.00</b>	<b>\$ 103,611.87</b>	<b>\$ 119,200.07</b>	<b>\$ 2,116,299.93</b>	<b>\$ 1,888.54</b>	<b>94.58%</b>
<b>Expense Total</b>	<b>OPERATIONS</b>	<b>\$ 6,434,262.00</b>	<b>\$ 331,640.73</b>	<b>\$ 924,925.78</b>	<b>\$ 5,509,336.22</b>	<b>\$ 30,879.32</b>	<b>85.00%</b>
<b>50</b>	<b>GENERAL</b>						
01-50-510-540066	Property Damages & Theft	\$ 2,000.00	\$ 3,239.44	\$ 3,420.93	\$ (1,420.93)	\$ -	-71.05%
01-50-510-550040	General Supplies	\$ 10,000.00	\$ 319.73	\$ 4,185.73	\$ 5,814.27	\$ 5,008.77	8.06%
01-50-510-550060	Public Education	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	\$ -	100.00%
01-50-510-550072	Misc Operating Expenses	\$ 4,500.00	\$ -	\$ -	\$ 4,500.00	\$ -	100.00%
	<b>General Materials &amp; Supplies</b>	<b>\$ 26,500.00</b>	<b>\$ 3,559.17</b>	<b>\$ 7,606.66</b>	<b>\$ 18,893.34</b>	<b>\$ 5,008.77</b>	<b>52.39%</b>

Account Number	Description	Budget	Period Amt	End Bal	Variance	Encumbered	% Avail/ Uncollect
01-50-510-550096	Beaumont Basin Watermaster	\$ 60,000.00	\$ -	\$ -	\$ 60,000.00	\$ -	100.00%
	General Services	\$ 60,000.00	\$ -	\$ -	\$ 60,000.00	\$ -	100.00%
Expense Total	GENERAL	\$ 86,500.00	\$ 3,559.17	\$ 7,606.66	\$ 78,893.34	\$ 5,008.77	85.00%
Expense Total	ALL	\$ 11,567,760.00	\$ 534,847.71	\$ 1,566,478.02	\$ 10,001,281.98	\$ 54,355.29	86.00%





**Beaumont-Cherry Valley Water District  
Cash Balance & Investment Report  
As of April 30th, 2014**

Account Name	Account Ending #	<u>Cash Balance Per Account</u>	
		Balance	Prior Month Balance
Wells Fargo			
General	4152	\$7,716,007.03	\$ 7,226,917.59
<b>Total Cash</b>		<b>\$ 7,716,007.03</b>	<b>\$ 7,226,917.59</b>

Account Name	<u>Investment Summary</u>		<u>Actual % of</u>				Rate	Interest to Date
	Market Value	Prior Month Balance	Total	Policy % Limit	Maturity	Par Amount		
Ca. State Treasurer's Office: Local Agency Investment Fund	\$ 4,800,985.01	\$ 4,798,298.94	100%	No Limit	Liquid	N/A	0.23	\$ 2,686.07
<b>Total Investments</b>	<b>\$ 4,800,985.01</b>	<b>\$ 4,798,298.94</b>						<b>\$ 2,686.07</b>
<b>Total Cash &amp; Investments</b>	<b>\$ 12,516,992.04</b>	<b>\$ 12,025,216.53</b>						

The investments above are in accordance with the District's investment policy. Melissa Bender

BCVWD will be able to meet its cash flow obligations for the next 6 months. Melissa Bender

# Accounts Payable

## Checks by Date - Detail by Check Date

User: melissa  
Printed: 5/29/2014 5:04 PM

## Beaumont-Cherry Valley Water District

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



Check No	Vendor No	Vendor Name	Check Date	Check Amount
Invoice No	Description	Reference		
2119	10048	Brithinee Electric	05/01/2014	
	WI001491	Bearing replacement on well # 23		2,316.96
	WI001491	Bearing replacement on well # 23		289.62
	WI001491	Bearing replacement on well # 23		289.62
	WI001491	Bearing replacement on well # 23		3,262.40
	WI001491	Bearing replacement on well # 23		423.75
	WI001491	Bearing replacement on well # 23		506.16
	WI001491	Bearing replacement on well # 23		2,843.18
	WI001491	Bearing replacement on well # 23		853.80
	WI001491	Bearing replacement on well # 23		60.00
	WI001491	Bearing replacement on well # 23		374.95
	WI001491	Discount for Bearing replacement on well # 23		-224.41
Total for Check Number 2119:				10,996.03
2120	10275	Prestige Mobile Detail	05/01/2014	
	4/28/14 bill	Weekly detail services for fleet 4/28/14 18 vehicles		288.00
Total for Check Number 2120:				288.00
2121	10277	Rio Stone Building Materials	05/01/2014	
	11209	1cart a yard for Olive and kings		151.20
	11209	1cart a yard for Olive and kings edger hand blue 3/8		11.87
Total for Check Number 2121:				163.07
2122	10302	So Cal. Sandbags, Inc.	05/01/2014	
	78748	shaker plate rental for NCR II		336.32
Total for Check Number 2122:				336.32
2123	10037	Waste Management Of Inland Empire	05/01/2014	
	1099687-2371-7	Monthly Sanitation 12th & Palm - May 2014		251.10
	1099688-2371-5	Monthly Sanitation 560 Magnolia - May 2014		92.27
Total for Check Number 2123:				343.37
Total for 5/1/2014:				12,126.79
ACH	10085	CalPERS Retirement System	05/08/2014	
		PR Batch 00001.05.2014 CalPERS 1% ER Paid	PR Batch 00001.05.2014 CalP	208.14
		PR Batch 00001.05.2014 CalPERS 7% Deduction	PR Batch 00001.05.2014 CalP	1,855.34
		PR Batch 00001.05.2014 CalPERS 8% EE Paid	PR Batch 00001.05.2014 CalP	2,474.18
		PR Batch 00001.05.2014 CalPERS 8% ER Paid	PR Batch 00001.05.2014 CalP	892.39
		PR Batch 00001.05.2014 CalPERS Employer Paid	PR Batch 00001.05.2014 CalP	19,697.81
		PR Batch 00001.05.2014 CalPERS 6.9%	PR Batch 00001.05.2014 CalP	392.66
Total for this ACH Check for Vendor 10085:				25,520.52

ACH 10087	Edd State Of California	05/08/2014	
	PR Batch 00001.05.2014 CA SDI	PR Batch 00001.05.2014 CA S	718.47
	PR Batch 00001.05.2014 State Income Tax	PR Batch 00001.05.2014 State	2,358.74
	Total for this ACH Check for Vendor 10087:		3,077.21
ACH 10094	U.S. Treasury	05/08/2014	
	PR Batch 00001.05.2014 Federal Income Tax	PR Batch 00001.05.2014 Fede	7,643.95
	PR Batch 00001.05.2014 FICA Employee Portion	PR Batch 00001.05.2014 FICA	4,493.44
	PR Batch 00001.05.2014 FICA Employer Portion	PR Batch 00001.05.2014 FICA	4,493.44
	PR Batch 00001.05.2014 Medicare Employee Porti	PR Batch 00001.05.2014 Medi	1,050.90
	PR Batch 00001.05.2014 Medicare Employer Porti	PR Batch 00001.05.2014 Medi	1,050.90
	Total for this ACH Check for Vendor 10094:		18,732.63
ACH 10203	Ing Life Insurance	05/08/2014	
	PR Batch 00001.05.2014 Deferred Comp	PR Batch 00001.05.2014 Defe	435.00
	Total for this ACH Check for Vendor 10203:		435.00
ACH 10264	CalPERS Supplemental Income Plans	05/08/2014	
	PR Batch 00001.05.2014 CalPERS 457	PR Batch 00001.05.2014 CalP	1,683.08
	Total for this ACH Check for Vendor 10264:		1,683.08
ACH 10030	Southern California Edison	05/08/2014	
74889 4/26/14	12303 Oak Glen Rd 3/26-4/24/14		118.95
74889 4/26/14	9781 Avenida Miravilla 3/26-4/24/14		74.64
74889 4/26/14	13697 Oak Glen Rd		142.46
74889 4/26/14	13695 Oak Glen Rd		82.53
74889 4/26/14	815 E 12th Ave 3/20-4/21/14		209.95
74889 4/26/14	560 Magnolia Ave 3/26-4/24/14		1,273.31
74889 4/26/14	Wells 3/26-4/24/14		106,174.50
	Total for this ACH Check for Vendor 10030:		108,076.34
1076 10169	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	05/08/2014	
	PR Batch 00001.05.2014 Garnishment	PR Batch 00001.05.2014 Garn	575.54
	Total for Check Number 1076:		575.54
2124 10001	Action True Value Hardware	05/08/2014	
42683	repairs due to vandalism @ NCR I		115.94
42683	4" x4" flashing for upper well field		24.81
42683	Well # 14 door		141.45
42683	supplies for Edgar Canyon pipeline		3.22
42683	supplies for Edgar Canyon pipeline, screws for insp		6.35
42683	pvc pipe cutter & tubing cutter		27.52
42718	zip ties, sandpaper, pvc glue		32.13
42718	3" coupler for NCR I		4.63
42718	NCR I - parts for repairs due to vandals		1,219.10
42718	parts for lower Edgar sample site		32.46
42731	Male & female adapters for NCR I		34.68
42731	supplies to mount cameras at cherry yard		11.00
42731	replacement trash can for NCR I - stolen by vandals		20.51
42731	Latex gloves, hose caps		22.54
	Total for Check Number 2124:		1,696.34
2125 10086	American Family Life Assurance Company of	05/08/2014	
681174	Premiums for employee paid Ins April		696.74

		Total for Check Number 2125:	696.74
2126 10407	Dani Balchack	05/08/2014	
Mileage 5/7/14	Mileage to Whittier and back for cashier training		69.68
		Total for Check Number 2126:	69.68
2127 10274	Beaumont Chamber of Commerce	05/08/2014	
6035	Membership dues 5/1/14-4/30/15		275.00
		Total for Check Number 2127:	275.00
2128 10314	California Department of Public Health	05/08/2014	
E Floyd grade 2	Grade 2 Water Distribution Operator Certificate E I		80.00
		Total for Check Number 2128:	80.00
2129 10396	Ernest Floyd	05/08/2014	
Exp Rpt 5/5/14	Registration, Water books, CDPH test fee, Official '		290.18
		Total for Check Number 2129:	290.18
2130 10273	Inland Water Works Supply Co.	05/08/2014	
262783	2% Discount on purchases		-6.48
262783	Concrete covers		151.20
262783	concrete reading lids		172.80
		Total for Check Number 2130:	317.52
2131 10045	Pacific Alarm Service Inc.	05/08/2014	
R 102611	Alarm Equip. rent/service/monitor May 2014		233.00
R 102612	Monthly Alarm service @ 11083 Cherry May 2014		44.50
		Total for Check Number 2131:	277.50
2132 10171	Riverside County Recorder	05/08/2014	
February 2014	Release Fees for Feb 2014		391.00
		Total for Check Number 2132:	391.00
2133 10290	San Geronio Pass Water Agency	05/08/2014	
14-00062	575 AF @ \$317 for April 2014		182,275.00
		Total for Check Number 2133:	182,275.00
		Total for 5/8/2014:	344,469.28
2135 UB*00743	Frankie Ridder	05/12/2014	
	Refund Check		86.62
	Refund Check		76.67
	Refund Check		36.74
	Refund Check		26.35
		Total for Check Number 2135:	226.38
		Total for 5/12/2014:	226.38
2137 UB*00752	Scott Macdonald	05/13/2014	
	Refund Check		250.00

		Total for Check Number 2137:	250.00
2138 UB*00753	Janet Walker	05/13/2014	
	Refund Check		179.92
	Refund Check		518.97
	Refund Check		238.91
	Refund Check		171.39
		Total for Check Number 2138:	1,109.19
		Total for 5/13/2014:	1,359.19
2139 UB*00762	Shawn Acevedo	05/15/2014	
	Refund Check		243.10
		Total for Check Number 2139:	243.10
2140 UB*00757	Alicia Ceballos	05/15/2014	
	Refund Check		33.61
	Refund Check		66.75
	Refund Check		31.98
	Refund Check		22.95
		Total for Check Number 2140:	155.29
2141 UB*00764	Inetta J. Ellis	05/15/2014	
	Refund Check		61.07
	Refund Check		68.39
	Refund Check		32.77
	Refund Check		23.51
		Total for Check Number 2141:	185.74
2142 UB*00761	Luanne Kenyon	05/15/2014	
	Refund Check		40.15
	Refund Check		33.07
	Refund Check		15.85
	Refund Check		11.37
		Total for Check Number 2142:	100.44
2143 UB*00756	Anna Kincaid	05/15/2014	
	Refund Check		74.32
	Refund Check		82.00
	Refund Check		39.29
	Refund Check		28.19
		Total for Check Number 2143:	223.80
2144 UB*00755	Sonya Lan	05/15/2014	
	Refund Check		61.96
	Refund Check		99.04
	Refund Check		47.45
	Refund Check		34.04
		Total for Check Number 2144:	242.49
2145 UB*00763	David Paige	05/15/2014	
	Refund Check		107.92

	Refund Check	60.90
	Refund Check	29.18
	Refund Check	20.94
	Total for Check Number 2145:	218.94
2146 UB*00765	Hilda Richard	05/15/2014
	Refund Check	4.29
	Refund Check	12.81
	Refund Check	6.14
	Refund Check	4.41
	Total for Check Number 2146:	27.65
2147 UB*00759	Allena Rodriguez	05/15/2014
	Refund Check	39.23
	Refund Check	71.98
	Refund Check	34.49
	Refund Check	24.74
	Total for Check Number 2147:	170.44
2148 UB*00758	Christine Shockley	05/15/2014
	Refund Check	33.91
	Refund Check	44.64
	Refund Check	21.39
	Refund Check	15.35
	Total for Check Number 2148:	115.29
2149 UB*00760	Sarah Torres	05/15/2014
	Refund Check	36.07
	Refund Check	69.21
	Refund Check	33.17
	Refund Check	23.79
	Total for Check Number 2149:	162.24
2150 10003 18434	All Purpose Rentals LLC 3" Trenching Shovel, 14" Blades for pipe saw	05/15/2014 53.78
	Total for Check Number 2150:	53.78
2151 10144 LYUM852421 LYUM853765	AlSCO Inc. Biweekly mat rental 560 Magnolia 5/5/14 Biweekly mat rental 815 E 12th 5/8/14	05/15/2014 14.85 26.40
	Total for Check Number 2151:	41.25
2152 10272 BD41604-0034 BD41744-0034 BD42173-0034 BE40150-0034 BE40312-0034	Babcock Laboratories Inc 7 Coliforms 4/15/14 4 Nitrates 4/15/14 12 Coliforms 4/21/14 12 Coliforms 4/28/14 12 Coliforms 5/5/14	05/15/2014 280.00 60.00 480.00 480.00 480.00
	Total for Check Number 2152:	1,780.00
2153 10287 05015 04/28/14 70286 4/28/14	Bank of the West Old account Stmt 4/28/14 New Account Stmt 4/28/14	05/15/2014 383.70 7,586.57

Total for Check Number 2153:			7,970.27
2154 10271	Beaumont Ace Home Center	05/15/2014	
388235	3/4" PVC Adapter & Nipple - fix Well # 6 Chlorina		1.92
388273	Repair Well # 22 Chlorinator leak - PVC parts, che		60.51
388317	Net & Caution Tape		70.70
388385	Graffiti Remover		25.47
388403	parts to repair damage caused by vandals @ NCR I		64.09
388628	Rapidcrete		129.49
388630	7/32" Turbomax bit		5.17
388630	parts for NCR I		28.62
388647	Well # 6 Chlorinators - Filter Cartridge		42.06
388741	Well # 6 Chlorinator parts for repair		104.34
389106	Electrical tape, plastic tape, 4"x3/8" & 4" x 3/4" shr		22.42
Total for Check Number 2154:			554.79
2155 10010	Beaumont Tire	05/15/2014	
3959	Mount & Balance one tire Unit # 18		100.86
Total for Check Number 2155:			100.86
2156 10395	Melissa Bender	05/15/2014	
ExpRpt 4/23/14	Springbrook training - 3 staff (hotel car parking bag		2,002.14
Total for Check Number 2156:			2,002.14
2157 10285	C. T. W. S., LLC	05/15/2014	
DC19141	Monthly oxygen & acetylene 4/30/14		46.80
Total for Check Number 2157:			46.80
2158 10220	Calolympic Safety	05/15/2014	
327990	Safety glasses		123.07
Total for Check Number 2158:			123.07
2159 10014	Cherry Valley Automotive	05/15/2014	
7649	front Brake job, clean & adjust rear drums Unit # 2		234.34
7651	Unit # 15 Oil Change		39.81
7683	Unit # 13 Replace Thermostat housing, bypass hos		674.94
7775	Unit # 18 Front brake job, break pads, oil change		292.49
7804	Unit # 22 4WD not disengaging, bad shift module/g		130.00
Total for Check Number 2159:			1,371.58
2160 10016	City Of Beaumont	05/15/2014	
61701 5/2/14	Bimonthly sewer for 560 Magnolia 3/1-5/1/14		66.40
Total for Check Number 2160:			66.40
2161 10323	Ben DeForge	05/15/2014	
Partial Boot 14	Boots		25.68
Total for Check Number 2161:			25.68
2162 10021	FedEx	05/15/2014	
2-648-96547	Return training DVD's for Knute		19.10
Total for Check Number 2162:			19.10



2163	UB*00707	Megan Feyer	05/15/2014	
		Refund Check		93.17
		Refund Check		63.51
		Refund Check		30.43
		Refund Check		21.83
		Total for Check Number 2163:		208.94
2164	10052	Home Depot Credit Services	05/15/2014	
	46184 2/25/14	Florescent paint, orange fence, dust mask, light rep		157.21
	46184 2/25/14	Pipe Wrenches		64.74
	46184 2/25/14	NCR II-Silt fnc, concrete vibrator, steel mesh, ceme		388.90
	46184 2/25/14	Well # 22 Sprinkler controller		61.53
	46184 2/25/14	Well # 24 Chlorinator Line repair		70.17
	46184 2/25/14	battery		85.32
	46184 2/25/14	shop light repairs		208.86
	46184 3/28/14	Bosch bit, caulk gun, weed eater repairs		71.02
	46184 3/28/14	Paint brushes for hydrants, yellow & hunter green p		180.71
	46184 3/28/14	Supplies for Cougar way leak		67.26
	46184 3/28/14	repairs due to break in's Shop & Cherry Yard		187.80
	46184 3/28/14	2 stroke oil		146.27
	46184 3/28/14	supplies for new lower canyon ponds		330.45
	46184 3/28/14	NCR II-Vibrator rental,epoxy,grade stakes,quickret		238.95
	46184 3/28/14	supplies for security cameras, sand, paint mix, yard		126.51
	46184 4/27/14	rags, trash bags, paper towels,dawn,ant bait,batterie		430.13
	46184 4/27/14	Channel lock Cross cut, pliers, hog pliers		112.50
	46184 4/27/14	Stomper rental - new install		67.26
	46184 4/27/14	12" Chain Link & Concrete supplies for NCR II		211.04
	46184 4/27/14	light bulbs		10.23
	46184 4/27/14	Door Lock		31.29
	46184 4/27/14	Alarm System, Aluminum screen, sms self drilling.		340.85
	46184 4/27/14	Hard hats		20.48
	46184 4/27/14	Weed eaters, 1" line valve, rainbird repair,		694.67
	46184 credit for Du	Credit for duplicate pymt of 12/27/13 stmt, void che		-3,974.82
		Total for Check Number 2164:		329.33
2165	10273	Inland Water Works Supply Co.	05/15/2014	
	263232	Parts for Inventory		531.36
	263232	Parts for Inventory		609.12
	263232	Parts for Inventory		304.56
	263232	Parts for Inventory		84.24
	263232	Parts for Inventory		762.05
	263232	Parts for Inventory		1,360.80
	263232	Parts for Inventory		244.62
	263232	2% Discount on Inventory Parts		-584.51
		Total for Check Number 2165:		3,312.24
2166	10184	Melfred Industrial Services Inc.	05/15/2014	
	6334	waste disposal service		125.00
	6334	55 gal drum drained of used aerosol cans		75.00
	6334	55 gal drum oily absorbent		450.00
	6334	55 gal drum oil based paint		850.00
	6334	light tubes		25.00
	6334	5 gallon bucket of batteries		50.00
		Total for Check Number 2166:		1,575.00
2167	10350	NAPA Auto Parts	05/15/2014	
	860040	Parts for Zeiman Traylor		16.16

		Total for Check Number 2167:	16.16
2168 10301	PVS Minibulk, Inc.	05/15/2014	
80839	CI2 for wells # 25, 937.99 gallons		1,266.29
80840	CI2 for wells # 24, 1188.3433 gallons		1,604.26
80841	CI2 for wells # 29, 445.6531 gallons		601.63
		Total for Check Number 2168:	3,472.18
2169 10223	Richards, Watson & Gershon	05/15/2014	
195446	General Counsel Services 4/15/14		4,147.58
195447	Case # 12788-0002 4/15/14		2,874.06
195448	Case # 12788-0003 4/15/14		11,583.81
		Total for Check Number 2169:	18,605.45
2170 10171	Riverside County Recorder	05/15/2014	
March 2014	March Release Fees		69.00
		Total for Check Number 2170:	69.00
2171 10095	Riverside County Waste Management	05/15/2014	
201404000339	Monthly Dump Fees Incurred April 2014		215.26
		Total for Check Number 2171:	215.26
2172 10302	So Cal. Sandbags, Inc.	05/15/2014	
76731	Sand Bags for NCR 2 360 sandbags		388.80
		Total for Check Number 2172:	388.80
2173 10042	Southern California Gas Company	05/15/2014	
35000 5/1/14	Monthly charges for gas for wells 3/31-4/29/14		14.30
		Total for Check Number 2173:	14.30
2174 10276	Standard Insurance Company	05/15/2014	
10763 4/18/14	Monthly invoice for policy 10763 5/-1-31/14		735.18
		Total for Check Number 2174:	735.18
2175 10031	Staples Advantage	05/15/2014	
8029643027	clasp envelopes & TP		120.94
		Total for Check Number 2175:	120.94
2176 10284	Underground Service Alert of Southern Califo	05/15/2014	
420140044	Monthly ticket charges for utility locates 91 for Apr		136.50
		Total for Check Number 2176:	136.50
2177 10255	Unlimited Services Building Maintenance	05/15/2014	
0236605-IN	Janitorial 815 E 12th May 2014		150.00
0236606-IN	Janitorial 560 Magnolia May 2014		845.00
		Total for Check Number 2177:	995.00
2178 10238	Weldors Supply And Steel Co.	05/15/2014	
52185	Oxygen, metal markers, Haz Mat		28.02
52185	4 1/2 Grinding wheels		10.26

		Total for Check Number 2178:	38.28
2179 10293	Western Dental Services Inc.	05/15/2014	
12108	Dental Premiums 5/1-31/14		152.40
		Total for Check Number 2179:	152.40
2180 10057	Xerox Corporation	05/15/2014	
073855848	Monthly machine rental/usage April 2014		1,033.01
		Total for Check Number 2180:	1,033.01
		Total for 5/15/2014:	47,419.11
2181 10144	AlSCO Inc.	05/21/2014	
LYUM	Biweekly mat rental 560 Magnolia		14.85
		Total for Check Number 2181:	14.85
2182 10138	ARCO Business Solutions	05/21/2014	
HW201 05/12/14	April 12-May 11, 2014 fuel purchases		5,935.77
		Total for Check Number 2182:	5,935.77
2183 10038	Avaya Inc	05/21/2014	
2733091721	Voice Mail		151.15
		Total for Check Number 2183:	151.15
2184 10272	Babcock Laboratories Inc	05/21/2014	
BE41393-0034	12 Coliforms tests 05/12/2014		480.00
BE41394-0034	6 Coliforms tests on 05/12/2014		240.00
		Total for Check Number 2184:	720.00
2185 10271	Beaumont Ace Home Center	05/21/2014	
388711	60" Tapered handle for Unit # 17		7.33
389239	Scraper, brace, and handle for Unit #8		22.63
389276	Wrench & brush for blow-off		13.26
389300	For repairs on Well # 22 chlorinator		64.77
389352	Nuts, washers and plates for the blow-off behind the		14.02
389381	Misc. items for Hannon Tank trees		14.54
389381	Tarp straps, hitch pin & other misc for Unit #5		19.16
		Total for Check Number 2185:	155.71
2186 10220	Calolympic Safety	05/21/2014	
327991	placard 10 x 10 Alum		56.32
327991	placard 10 x 10 adhesive		43.76
327991	Chlorine marker tape		23.11
		Total for Check Number 2186:	123.19
2188 10291	J.R. Freeman Co., Inc.	05/21/2014	
530284-0	10 toners ordered for HP printers		1,075.31
530463-0	8 ink cartridges ordered for HP printer for field		169.47
		Total for Check Number 2188:	1,244.78
2189 10390	J.W. D'Angelo Co., Inc.	05/21/2014	

S1219889.001	BLUE REFLECTORS		69.07
S1219889.001	BLUE REFLECTORS EPOXY 6OZ		53.40
Total for Check Number 2189:			122.47
2190 10121	Jack Henry And Associates Inc	05/21/2014	
1709468	Annual Remit Plus Maintenance		2,929.50
Total for Check Number 2190:			2,929.50
2191 10224	Legal Shield	05/21/2014	
0101129_052014	Monthly Prepaid Legal for Empl		227.15
Total for Check Number 2191:			227.15
2192 10078	Northrop Grumman Commercial Information	05/21/2014	
23254	Annual maintenance for additional handhelds purch		230.00
Total for Check Number 2192:			230.00
2193 10275	Prestige Mobile Detail	05/21/2014	
05192014	Weekly detail services for fleet for 17 vehicles on 5		272.00
Total for Check Number 2193:			272.00
2194 10031	Staples Advantage	05/21/2014	
8029827718	Binder clips, lead, batteries & tamper proof deposit		96.37
Total for Check Number 2194:			96.37
2195 10157	Total funds By Hasler	05/21/2014	
02422379_050714	Monthly Postage		100.00
Total for Check Number 2195:			100.00
2196 10036	USA Mobility Wireless Inc.	05/21/2014	
X0152081E	Stand-by pager for SCADA system		67.76
Total for Check Number 2196:			67.76
2197 10310	Chris Williams	05/21/2014	
Boot Allowance	Boot Allowance		130.00
Total for Check Number 2197:			130.00
Total for 5/21/2014:			12,520.70
ACH 10085	CalPERS Retirement System	05/22/2014	
	PR Batch 00002.05.2014 CalPERS 1% ER Paid	PR Batch 00002.05.2014 CalP	207.68
	PR Batch 00002.05.2014 CalPERS 7% Deduction	PR Batch 00002.05.2014 CalP	1,852.88
	PR Batch 00002.05.2014 CalPERS 8% EE Paid	PR Batch 00002.05.2014 CalP	2,474.18
	PR Batch 00002.05.2014 CalPERS 8% ER Paid	PR Batch 00002.05.2014 CalP	878.14
	PR Batch 00002.05.2014 CalPERS Employer Paid	PR Batch 00002.05.2014 CalP	19,627.88
	PR Batch 00002.05.2014 CalPERS 6.9%	PR Batch 00002.05.2014 CalP	393.36
Total for this ACH Check for Vendor 10085:			25,434.12
ACH 10087	Edd State Of California	05/22/2014	
	PR Batch 00002.05.2014 CA SDI	PR Batch 00002.05.2014 CA S	708.36
	PR Batch 00002.05.2014 State Income Tax	PR Batch 00002.05.2014 State	2,326.43
	3rd quarter 2013		348.24

	1st quarter 2014		76.24
		Total for this ACH Check for Vendor 10087:	3,459.27
ACH 10094	U.S. Treasury	05/22/2014	
	PR Batch 00002.05.2014 Federal Income Tax	PR Batch 00002.05.2014 Fede	7,508.09
	PR Batch 00002.05.2014 FICA Employee Portion	PR Batch 00002.05.2014 FICA	4,455.62
	PR Batch 00002.05.2014 FICA Employer Portion	PR Batch 00002.05.2014 FICA	4,455.62
	PR Batch 00002.05.2014 Medicare Employee Porti	PR Batch 00002.05.2014 Medi	1,042.04
	PR Batch 00002.05.2014 Medicare Employer Portic	PR Batch 00002.05.2014 Medi	1,042.04
		Total for this ACH Check for Vendor 10094:	18,503.41
ACH 10141	Ca State Disbursement Unit	05/22/2014	
	PR Batch 00002.05.2014 Garnishment	PR Batch 00002.05.2014 Garn	191.53
	PR Batch 00002.05.2014 Garnishment	PR Batch 00002.05.2014 Garn	360.57
		Total for this ACH Check for Vendor 10141:	552.10
ACH 10203	Ing Life Insurance	05/22/2014	
	PR Batch 00002.05.2014 Deferred Comp	PR Batch 00002.05.2014 Defe	435.00
		Total for this ACH Check for Vendor 10203:	435.00
ACH 10264	CalPERS Supplemental Income Plans	05/22/2014	
	PR Batch 00002.05.2014 CalPERS 457	PR Batch 00002.05.2014 CalP	1,683.08
		Total for this ACH Check for Vendor 10264:	1,683.08
ACH 10288	CalPERS Health Fiscal Services Division	05/22/2014	
1421	Employee health premiums for June 2014		34,574.46
1421	Retiree health premiums for June 2014		1,066.50
1421	Admin fee for June 2014		119.54
		Total for this ACH Check for Vendor 10288:	35,760.50
1081 10169	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	05/22/2014	
	PR Batch 00002.05.2014 Garnishment	PR Batch 00002.05.2014 Garn	575.54
		Total for Check Number 1081:	575.54
		Total for 5/22/2014:	86,403.02
2198 10001	Action True Value Hardware	05/29/2014	
42696	Master locks & Bungee cords		83.93
42696	NCR I Irrigation parts		79.99
42696	NCR I vandalism repairs		20.60
42696	3/4" ball valve for 898 Oak Creek Rd, 3/4"brass nip		29.13
42696	Repair concrete after leak		49.57
		Total for Check Number 2198:	263.22
2199 10086	American Family Life Assurance Company of	05/29/2014	
111945	Premiums for employee paid Ins May 2014		696.74
		Total for Check Number 2199:	696.74
2200 10272	Babcock Laboratories Inc	05/29/2014	
BE41390-0034	1 Coliforms 5/12/14		40.00
BE41513-0034	4 Nitrate 5/12/14		60.00
BE41528-0034	1 Coliforms 5/15/14		45.00

BE42086-0034	12 Coliforms 5/20/14		480.00
Total for Check Number 2200:			625.00
2201 10271	Beaumont Ace Home Center	05/29/2014	
389324	2 pk Gal Liquid Chlorine		48.54
389418	Fuses		31.10
389418	hand bilge pump		34.55
389561	for concrete at 6th & Maple Alley		124.59
389572	Epoxy ties for Rebar dowels @ 6th & Maple Alley		31.32
389627	Hand Bilge pump, Tap-n-Seal, Ant Bait, 8" recip sa		107.50
389715	clear tape		10.75
Total for Check Number 2201:			388.35
2202 10010	Beaumont Tire	05/29/2014	
3903	Flat repair driver side rear unit # 13		20.00
Total for Check Number 2202:			20.00
2203 UB*00772	Oscar Benitez	05/29/2014	
	Refund Check		121.83
Total for Check Number 2203:			121.83
2204 UB*00769	Rick Carlson	05/29/2014	
	Refund Check		26.38
Total for Check Number 2204:			26.38
2205 10412	Diversified Protection Systems Inc	05/29/2014	
31503	Preventative Maint contract-Fire Suppression Sys3/		1,050.00
Total for Check Number 2205:			1,050.00
2206 UB*00768	Karen Garcia	05/29/2014	
	Refund Check		86.72
	Refund Check		7.49
	Refund Check		3.59
	Refund Check		2.58
Total for Check Number 2206:			100.38
2207 10022	Hemet Valley Tool & Supply	05/29/2014	
88373	Replace stolen stomper		3,223.80
88373	Replace stolen pipe saw		1,398.60
Total for Check Number 2207:			4,622.40
2208 10273	Inland Water Works Supply Co.	05/29/2014	
263312	55lb bag sodium thiosulfate		89.64
263312	55lb bag sodium thiosulfate		89.64
263312	2% Discount on purchases		-3.59
263481	55lb bag sodium thiosulfate		89.64
263481	2% Discount on purchases		-1.79
Total for Check Number 2208:			263.54
2209 UB*00766	Tammy Marion	05/29/2014	
	Refund Check		19.20
	Refund Check		245.87
	Refund Check		86.78

	Refund Check		41.58
	Refund Check		29.83
		Total for Check Number 2209:	423.26
2210 UB*00771	Jennifer Mckissick	05/29/2014	
	Refund Check		40.88
	Refund Check		40.46
	Refund Check		19.39
	Refund Check		13.91
		Total for Check Number 2210:	114.64
2211 10278	MetLife - Group Benefits	05/29/2014	
40002 5/15/14	Employee paid dental June 2014		417.28
		Total for Check Number 2211:	417.28
2212 10196	National Meter & Automation, Inc.	05/29/2014	
S1053055.001	BRZ Meter Body		13,500.00
		Total for Check Number 2212:	13,500.00
2213 10277	Rio Stone Building Materials	05/29/2014	
11253	Concrete- a yard		151.20
		Total for Check Number 2213:	151.20
2214 UB*00770	Ashley Shurley	05/29/2014	
	Refund Check		123.80
	Refund Check		56.55
	Refund Check		27.10
	Refund Check		19.44
		Total for Check Number 2214:	226.89
2215 10276	Standard Insurance Company	05/29/2014	
30001 5/19/14	Monthly invoice for policy 30001 June 2014		890.30
		Total for Check Number 2215:	890.30
2216 10031	Staples Advantage	05/29/2014	
8029911104	Office Supplies		54.68
		Total for Check Number 2216:	54.68
2217 UB*00773	Kurt Supinger	05/29/2014	
	Refund Check		112.59
		Total for Check Number 2217:	112.59
2218 UB*00767	Kendra Taylor	05/29/2014	
	Refund Check		37.00
	Refund Check		106.56
	Refund Check		51.06
	Refund Check		36.63
		Total for Check Number 2218:	231.25
		Total for 5/29/2014:	24,299.93
		Report Total (112 checks):	528,824.40





**Beaumont-Cherry Valley Water District  
Regular Board Meeting  
June 11<sup>th</sup>, 2014**

**DATE:** June 5<sup>th</sup>, 2014  
**TO:** Board of Directors  
**FROM:** Melissa Bender, Director of Finance & Administrative Services  
**SUBJECT:** Approval of Pending Invoices

---

**Recommendation**

Staff recommends that the Board of Directors approve the pending invoices totaling \$60,788.08.

**Background**

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

**Fiscal Impact**

There is a \$60,788.08 impact to the District which will be paid from the 2014 budget.

**Attachments:**

- Richards Watson Gershon Invoice #195985
- Richards Watson Gershon Invoice #195986
- Richards Watson Gershon Invoice #195987
- Vavrinek, Trine, Day & Co., LLP Invoice #0105509-IN
- Beaumont Basin Watermaster Invoice #B-149
- Beaumont Basin Watermaster Invoice #B-153



**RICHARDS | WATSON | GERSHON**

ATTORNEYS AT LAW – A PROFESSIONAL CORPORATION

355 South Grand Avenue, 40th Floor, Los Angeles, California 90071-3101  
Telephone 213.626.8484 Facsimile 213.626.0078  
Fed. I.D. No. 95-3292015

ERIC FRASER  
Beaumont- Cherry Valley Water District  
560 Magnolia Avenue  
Beaumont, CA 92223-2258

May 14, 2014  
Invoice # 195985

Re: 12788-0001 GENERAL COUNSEL SERVICES

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Current Legal Fees .....	\$5,602.50
Current Client Costs Advanced .....	<u>\$108.11</u>
<b>TOTAL CURRENT FEES AND COSTS.....</b>	<b><u>\$5,710.61</u></b>
Balance Due From Previous Statement.....	\$1,885.64
<b>TOTAL BALANCE DUE FOR THIS MATTER.....</b>	<b><u>\$7,596.25</u></b>

**TERMS: PAYMENT DUE UPON RECEIPT**

**PLEASE RETURN THIS PAGE WITH YOUR REMITTANCE**

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Fed. I.D. No. 95-3292015

ERIC FRASER  
Beaumont- Cherry Valley Water District  
560 Magnolia Avenue  
Beaumont, CA 92223-2258

May 14, 2014  
Invoice # 195986

Re: 12788-0002 [REDACTED]

---

Current Legal Fees .....	\$1,755.00
Current Client Costs Advanced .....	<u>\$32.85</u>
<b>TOTAL CURRENT FEES AND COSTS.....</b>	<b><u>\$1,787.85</u></b>
 Balance Due From Previous Statement.....	 \$1,322.74
<b>TOTAL BALANCE DUE FOR THIS MATTER.....</b>	<b><u>\$3,110.59</u></b>

**TERMS: PAYMENT DUE UPON RECEIPT**

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Telephone 213.626.8484 Facsimile 213.626.0078  
Fed. I.D. No. 95-3292015

ERIC FRASER  
Beaumont- Cherry Valley Water District  
560 Magnolia Avenue  
Beaumont, CA 92223-2258

May 14, 2014  
Invoice # 195987

Re: 12788-0004 [REDACTED]

---

Current Legal Fees .....	\$20,797.20
Current Client Costs Advanced .....	<u>\$2,240.98</u>
<b>TOTAL CURRENT FEES AND COSTS.....</b>	<b><u>\$23,038.18</u></b>

**TERMS: PAYMENT DUE UPON RECEIPT**

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**Vavrinek, Trine, Day & Co., LLP**  
Certified Public Accountants

VALUE THE DIFFERENCE

**Beaumont-Cherry Valley Water District**  
560 Magnolia Avenue  
Beaumont, CA 92223

CLIENT ID: **2000275**  
OWNER: **RA**  
INVOICE NUMBER: **0105509-IN**  
DATE: **04/30/2014**

*Please return top portion with remittance.*

Amount enclosed \$ \_\_\_\_\_



**Vavrinek, Trine, Day & Co., LLP**  
Certified Public Accountants

VALUE THE DIFFERENCE

**Beaumont-Cherry Valley Water**

Professional services rendered during April 2014.

**\$17,000.00**

**INVOICE TOTAL: \$17,000.00**

CLIENT ID: **2000275**  
INVOICE NUMBER: **0105509-IN**  
DATE: **04/30/2014**

8270 Aspen Street Rancho Cucamonga, CA 91730 Tel: 909.466.4410 Fax: 909.466.4431 [www.vtdepa.com](http://www.vtdepa.com)

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## Beaumont Basin Watermaster

c/o Yucaipa Valley Water District  
Post Office Box 730, Yucaipa, California 92399-0730  
Phone (909) 797-6416 - Fax (909) 797-6381

---

### INVOICE

**To:** Beaumont-Cherry Valley Water District  
Attn: Eric Fraser  
P. O. Box 2037  
Beaumont, CA 92223-0937

**Invoice Number:** B-149

**Invoice Date:** April 28, 2014

**Phone Number:** (951) 845-9581

**Invoice Reference:** Memorandum No. 13-11, dated 6/5/2013

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Description	Amount
Member Contribution for Fiscal Year 2013-2014 Administrative Budget	\$7,206.52
Member Contribution for Fiscal Year 2013-2014 Special Project Budget Budget	\$1,062.75
<hr/>	
<b>Total Due</b>	<b>\$8,269.27</b>

**Make check payable to: Beaumont Basin Watermaster**

# **BEAUMONT BASIN WATERMASTER**

## **MEMORANDUM NO. 13-11**

**Date:** June 5, 2013

**From:** Joseph Zoba, Treasurer

**Subject:** Proposed Budget for Fiscal Year 2013-2014

**Recommendation:** That the Watermaster Committee approves the proposed budget as presented for Fiscal Year 2013-2014.

---

The attached budget for Fiscal Year 2013-2014 provides funding for Administrative expenses in the amount of \$107,060 and funding for Special Project expenses in the amount of \$180,710. The majority of the expenses included in the budget represent a continuation of activities already approved by the Watermaster Committee.

The only new contract proposed to be funded next year is the preparation of the 2013 annual report at an estimated cost of \$55,000.

Any other contracts or expenses approved by the Watermaster Committee during the next fiscal year will be invoiced following authorization and reflected in an amended budget.



# Beaumont Basin Watermaster

## Proposed Budget for Fiscal Year 2013-2014

OPERATING REVENUE:			Estimated Invoice		Special Project Distribution Percentage
Account Number	Administrative Revenue	Special Project Revenue	Amount for FY 2013-2014		
Carryover from Prior Fiscal Year	..	\$71,027.39	\$178,210.00	..	..
City of Banning	3120	\$7,206.52	\$785.75	\$7,992.27	31.43%
City of Beaumont	3105	\$7,206.52	\$0.00	\$7,206.52	..
Beaumont Cherry Valley Water District	3110	\$7,206.52	\$1,062.75	\$8,269.27	42.51%
South Mesa Mutual Water Company	3125	\$7,206.52	\$312.00	\$7,518.52	12.48%
Yucaipa Valley Water District	3115	\$7,206.52	\$339.50	\$7,546.02	13.58%
Total Operating Revenue			\$180,710.00	\$38,532.61	100.00%

Account Number	Amended Administrative Expenses	Special Project Expenses	
<b>OPERATING EXPENSES:</b>			
Bank Fees & Interest	5000	\$60.00	..
Miscellaneous & Meetings	5010	\$500.00	..
Acquisition/Computation & Annual Report	5020	\$55,000.00	..
Annual Audit	5040	\$2,000.00	..
Engineering Services	5060	\$17,000.00	..
Legal Expenses	5070	\$22,500.00	..
Reserves	5080	\$10,000.00	..
Special Project - Engineering	5910	..	\$178,210.00
Special Project - Litigation	5915	..	\$2,500.00
<b>Total Operating Expense</b>		<b>\$107,060.00</b>	<b>\$180,710.00</b>

Revenue Over / (Under) Expenses .. ..

---

## Beaumont Basin Watermaster

c/o Yucaipa Valley Water District

Post Office Box 730, Yucaipa, California 92399-0730

Phone (909) 797-6416 - Fax (909) 797-6381

---

### INVOICE

**To:** Beaumont-Cherry Valley Water District  
Attn: Eric Fraser  
P. O. Box 2037  
Beaumont, CA 92223-0937

**Invoice Number:** B-153

**Invoice Date:** May 7, 2014

**Phone Number:** (951) 845-9581

**Invoice Reference:** Additional Analyses in Support of Finalizing the Safe Yield of the Beaumont Basin, dated April 14, 2014 and approved at Special Meeting May 7, 2014 (attached).

---

Task	Description	Cost Share	Ref. Memo.	Amount
1	Additional Model Runs with No SGPWA Recharge	42.51%	14-03	\$1,130.77
2	Subsurface Outflow Loss Analysis	42.51%	14-03	\$2,474.08
3	Return Flow Accounting	42.51%	14-03	\$1,377.32
<b>Total Due</b>				<b>\$4,982.17</b>

---

**Make check payable to: Beaumont Basin Watermaster**

April 14, 2014

Mr. Duane Burk, Chairman  
Beaumont Basin Watermaster  
99 E. Ramsey St.  
Banning, CA 92220

**Re: Additional Analyses in Support of Finalizing the Safe Yield of the Beaumont Basin**

Dear Mr. Burk,

As per the Beaumont Basin Watermaster Board's request at your April 3, 2014 meeting, Thomas Harder & Company (TH&Co) in association with ALDA, Inc., (ALDA) has prepared this scope of work and cost estimate for the Board's consideration to conduct additional analyses in support of finalizing the Safe Yield of the Beaumont Basin. The additional analyses involve additional model runs to assess the Safe Yield without San Geronio Pass Water Agency (SGPWA) recharge and quantification of the location and magnitude of subsurface underflow losses out of the basin. In addition, a task is presented for preparing a work plan to address the collection of additional data needed to further assess subsurface losses and better understand parts of the basin. The work plan scope of work is presented without a budget and for discussion purposes at the May 7, 2014 next Board meeting.

Our detailed scope of work is as follows:

## **SCOPE OF WORK**

### **TASK 1 – ADDITIONAL MODEL RUNS WITH NO SGPWA RECHARGE**

Although outside the Beaumont Basin adjudicated area, recharge of imported water at the SGPWA spreading basins increases the Safe Yield of the basin through increased subsurface inflow. Because future artificial recharge in the SGPWA basins is uncertain, the Board requested additional model simulations and revised Safe Yield estimates that do not include imported water recharge by SGPWA. The scope of work for this task includes:

Thomas Harder & Co.  
1260 N. Hancock St., Suite 109  
Anaheim, California 92807  
(714) 779-3875

will prepare an estimate of the quantity and timing of return flow recharge that can be attributed to imported water recharge and use within the Beaumont Basin.

#### **TASK 4 - PREPARATION OF A DATA COLLECTION WORK PLAN**

The current surface and groundwater flow models are developed based on the best available data collected to date. However, there are portions of the Beaumont Basin area where additional data are necessary to optimally manage the surface and groundwater resources of the basin. General areas for additional data collection include:

- Surface water flow measurements in selected drainages within and immediately outside the Beaumont Basin.
- Hydrogeological data, including aquifer parameters and groundwater levels, in the vicinity of the confluence of Noble Creek and San Timoteo Creek.
- Hydrogeological data, including further evaluation of faults, in the Banning area.
- Ongoing groundwater level monitoring from existing monitoring wells.
- Establishment of an evapotranspiration station.
- Others.

In order to ensure that meaningful and representative data are collected to address these (and possibly other) data gaps, it is recommended to prepare a strategic data collection work plan. Preparation of the work plan will require Board consensus on the areas to be further investigated, whether those outlined above or others. As such, a detailed scope of work and cost estimate to prepare the work plan is not presented herein. However, for discussion purposes, it is conceptually envisioned that the work plan would include:

- A background section including the purpose and scope of the work plan.
- For each data collection area, a description of the types of investigations to be conducted or monitoring features to be established (e.g. surface water gaging stations, monitoring wells, geophysical testing, etc.).
- Maps showing the proposed locations of investigations and/or monitoring features.
- For each investigation, a description of the objective, the methodology to be used, the specific data to be collected, and the reporting criteria.
- For monitoring features, design criteria for establishing the features.
- Planning-level costs to conduct the investigations and construct the monitoring features.
- Criteria for the frequency and duration of monitoring.



**Cost Estimate for Hydrogeologic Services  
Additional Analyses in Support of Finalizing the Safe Yield of the Beaumont Basin**

Sub Task	Description	Project Manager	Principal Hydro- geologist	Staff Hydro- geologist	Graphics	Clerical	Total Labor	Reimbursable Expenses <sup>1</sup>	Total Cost
1	Additional Model Runs with No SGPWA Recharge	2	8	12			\$ 2,660		\$ 2,660
2	Subsurface Outflow Loss Analysis	6	24	12			\$ 5,820		\$ 5,820
3	Return Flow Accounting	4	12	8			\$ 3,240		\$ 3,240
<b>Total</b>							<b>\$11,720</b>	<b>\$0</b>	<b>\$11,720</b>

**Thomas Harder & Co.**  
Groundwater Consulting  
in association with **Alda, Inc.**

1 of 1

14-Apr-14



**BEAUMONT-CHERRY VALLEY WATER DISTRICT  
MINUTES OF THE  
REGULAR MEETING OF THE BOARD OF DIRECTORS  
560 Magnolia Avenue, Beaumont, CA 92223  
Wednesday, May 14<sup>th</sup>, 2014**

---

**Call to Order, President Woll**

*President Woll began the meeting at 7:02 p.m.*

**Pledge of Allegiance, Director Guldseth**

*Director Guldseth led the pledge.*

**Invocation, Director Woll**

*Director Woll led the invocation.*

**Roll Call**

*Present at the meeting were President Woll, Directors Ball, Guldseth, Ross and Slawson. Legal Counsel: James Markman. District Staff: Director of Operations: Tony Lara, Director of Engineering: Dan Jagers, Director of Finance and Administrative Services: Melissa Bender, and Senior Finance and Administrative Analyst: Dawn Jorge. Public that registered their attendance were: John Aberle, Knute Dahlstrom, Patsy Reeley, Barbara H. Brown, Barbara Voigt, Tomislav Brammir, John M. Halliwill, Mary Ann Melleby, and Nancy Carroll.*

**Public Comment**

*Patsy Reeley asked the Board to look into the District's water quality as her hot water heater had so much build up that a costly part had to be replaced within two years.*

*Tomislav Brammir requested the Board to donate water for his horse rescue charity or waive the deposit and monthly meter rental service charges on a construction meter.*

***President Woll recessed the meeting at 7:16 p.m.***

***President Woll reconvened the meeting at 7:19 p.m.***

*John Aberle advised the Board of vandalism to his property when bushes were cut around the meter box by District staff in order to obtain a meter read. He advised the Board that nowhere in the policy did it state that we could cut his bushes and he was not advised that the bushes were going to be cut as stated in section 9-3.1 of the District policy.*

**ACTION ITEMS**

- 1. Adoption of the Agenda (pages 1-3)**

*Item 15 was pulled from the agenda as it was no longer needed since General Manager Eric Fraser was absent from the meeting. Director Ball motioned to approve the agenda as revised. The motion was seconded by Director Ross and passed 5-0.*

- 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. March 2014 Budget Variance Report Review\*\* (pages 4-8)
- b. March 31<sup>st</sup>, 2014 Cash/Investment Balance Report\*\* (pages 9-10)
- c. April 2014 Check Register Review\*\* (pages 11-26)
- d. April 2014 Invoices Pending Approval\*\* (pages 27-30)
- e. Minutes of the Special Meeting April 9<sup>th</sup>, 2014\*\* (page 31)
- f. Minutes of the Regular Meeting April 9<sup>th</sup>, 2014\*\* (pages 32-34)
- g. Consideration of the Changes to the Beaumont-Cherry Valley Water District Fixed-Asset Capitalization Policy\*\* (pages 35-38)

*Director Ball requested items 2e and f, along with item 2g, be pulled for discussion.*

*President Woll motioned to approve items 2a through d of the consent calendar. The motion was seconded by Director Slawson and passed 5-0.*

*Director Ball mentioned he would abstain from voting on 2e and f since he was not present, President Woll stated he would as well. Director Slawson motioned to approve items 2e and f of the consent calendar. The motion was seconded by Director Ross and passed 3-0, with President Woll and Director Ball both abstaining as they were not present at the meeting.*

*The Board inquired with Director of Finance and Administrative Services, Melissa Bender, on the changes and effects of the fixed-asset capitalization policy. After discussion, Director Ross motioned to approve item g of the consent calendar. Director Guldseth seconded the motion and it passed 5-0.*

- 3. Discussion of Recycled Water Facilities Planning Grant Status, Connection to Yucaipa Valley Water District (YVWD)\*\*** (pages 39-41)

*Director of Engineering Dan Jagers updated the Board on the planning grant project, a study identifying the methodologies to get a recycled water connection with the Yucaipa Valley Water District.*

- 4. Discussion Regarding Current Drought Conditions and Water Conservation\*\*** (pages 42-47)

*Director of Operations Tony Lara updated the Board on details of Governor Brown's Executive Order on Reduction Requirements and a draft letter to District customers promoting water conservation.*

*After discussion, Director Ball motioned to bring back the Urban Water Management Plan for review and discussion of Section 5 concerning drought provisions to the next meeting, in addition to sending out the draft customer conservation letter with a hyperlink typo correction. Director Slawson seconded the motion and it passed 5-0.*

**5. Discussion Regarding the Gateway Project\*\* (page 48)**

***Public Comments on Item:***

*David Castaldo advised the Board that the Gateway Committee directed by Supervisor Ashley concluded at their last meeting that the zoning for the project should remain rural residential and there should be no zone change. Mr. Castaldo also advised the Board of developer provided information and discrepancies with some of the factual content of that information.*

*Nancy Carroll, a member of the Gateway Committee, advised the Board that the developer, or rather a real estate investment trust, claims to take distressed properties, get the zoning changed, and sell a value-added package on land speculation without actually developing the land.*

*Director Ball provided an overview of the Gateway Committee meeting. After discussion, Director Ball motioned for staff to draft a resolution for the next meeting requesting the County of Riverside Board of Supervisors to oppose general plan zone changes in the Pass Area. The motion was seconded by Director Ross and passed 5-0.*

**6. Consideration of Request for Authorization to Call for Repair Work for Well 6 and for General Manager to enter into a Contract to Repair Well 6\*\* (pages 49-50)**

*President Woll combined discussion of items 6 and 7 due to their similarity.*

*Director of Engineering Dan Jagers provided an overview of the requests for repair work on Wells 6 and 26.*

*After discussion, Director Ball motioned to approve the repair work for Wells 6 and 26. Director Guldseth seconded the motion and it passed 5-0.*

**7. Consideration of Request for Authorization to Call for Repair Work for Well 26 and for General Manager to enter into a Contract to Repair Well 26\*\* (pages 51-52)**

*This item was combined for discussion with item 6 above.*

**8. Consideration of Request for Update of “Will Serve Letter” for Previously Approved Development – Tract 27357\*\* (pages 53-97)**

*Director of Engineering Dan Jagers provided an overview of the update of the Will Serve Letter request for Tract 27357.*

***Public Comment on Item:***

*Brian Avila, representative for the Development, provided the Board with an overview of the residential project and requested the Board to renew their “Will Serve Letter.”*

*After discussion, Director Slawson motioned to approve the updated “Will Serve Letter” request, contingent on a review of the fees for water acquisition. Director Ross seconded the motion. The motion passed 4-1, with Director Ball dissenting.*



**9. Consideration of Annexation of Parcel for ASM Beaumont Business Center Development (located South of State Route 60/West of Potrero Road) and Approval of Water Service “Will Serve Letter” \*\* (pages 98-105)**

*Items 9, 10 and 11 were discussed in combination.*

*Director of Engineering Dan Jagers provided an overview of the requested annexations and “Will Serve Letter” requests.*

**Public Comment on Item:**

*Brent Caldwell, representative of the owners of ASM Beaumont, updated the Board on their Development planning.*

*After discussion, Director Ball motioned to deny items 9, 10 and 11. President Woll seconded the motion. The motion failed 3-2, with Directors Ross, Guldseth and Slawson dissenting and President Woll and Director Ball in favor.*

*Director Ross motioned to have items 9, 10 and 11 tabled to next month’s meeting. Director Guldseth seconded the motion. The motion failed 3-2, with President Woll, along with Directors Ball and Slawson dissenting and Directors Ross and Guldseth in favor.*

*No action was taken by the Board on items 9, 10 and 11.*

**10. Consideration of Annexation of Parcels for Revised Hidden Canyon II Development (located South of State Route 60/West of Potrero Road) and Approval of Water Service “Will Serve Letter” \*\* (pages 106-110)**

*This item was combined for discussion with item 9 above and 11 below.*

**11. Consideration of Approval of Water Service “Will Serve Letter” for the proposed Country Club Village Development\*\* (pages 111-119)**

*This item was combined for discussion with items 9 and 10 above.*

**12. Reports for Discussion**

**a. Ad Hoc Committees**

*No reports were made.*

**b. General Manager**

*Director of Operations Tony Lara updated the Board on the annual Beaumont-Cherry Valley Parks and Recreation District’s Fishing Derby held April 26<sup>th</sup> and 27<sup>th</sup> at the District’s Noble Creek Recharge Ponds. Mr. Lara also advised the Board on this year’s State Water Project water deliveries and the District’s emergency preparedness for fire season. In addition, Mr. Lara updated the Board on the progress of a regional weather station and the District’s recent participation in local school programs.*

**c. Directors Reports**

*Director Ball advised the Board of the new Watermaster safe yield calculation being lower than initially thought and is still subject to change. Further, he*

*stated the San Gorgonio Pass Water Agency is coming up with methods of prioritizing allocation of water deliveries coming through the State lines.*

*Director Guldseth and Director Slawson attended the San Gorgonio Pass Water Agency tour of pumping stations and pipelines.*

*Director Ross participated in the recording of a water conservation video with the City of Beaumont.*

d. Legal Counsel Report

*Mr. Markman advised the Board that the Supreme Court approved invocations at public meetings.*

**13. Announcements**

- District offices will be closed Monday, May 26<sup>th</sup>, 2014 in observation of Memorial Day
- Beaumont Basin Watermaster meeting June 4<sup>th</sup>, 2014 at 10:00 a.m.
- Finance & Audit Committee meeting, June 5<sup>th</sup>, 2014 at 3:00 p.m.
- Regular Board meeting, June 11<sup>th</sup>, 2014 at 7:00 p.m.

*President Woll made the announcements above.*

**14. Action List for Future Meetings**

- Schedule a workshop to discuss the landscape for the Noble Creek Recharge Phase II Project with the public
- Discussion of facilities fees for new construction
- Update the Board on Infosend after one year
- Solar System Update
- Review of the Urban Water Management Plan's Drought Provisions
- Resolution to the Board of Supervisors to oppose general plan zone changes in the Pass Area
- Discussion of the District's responsibility in regards to land planning

**15. Recess to Closed Session**

- a. Conference with Labor Negotiators pursuant to Government Code 54957.6:

Agency Negotiator: Eric Fraser

Represented Employees: BCVWD Employee Association

*Item 15 was pulled from the agenda since General Manager Fraser was absent from the meeting.*

**16. Adjournment**

*President Woll adjourned the meeting at 10:05 p.m.*

Attest:

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Director Ryan Woll, President of the  
Board of Directors of the  
Beaumont-Cherry Valley Water District

\*\* Information included in the agenda packet

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



**Beaumont-Cherry Valley Water District  
Regular Board Meeting  
June 11<sup>th</sup>, 2014**

**DATE:** June 5<sup>th</sup>, 2014

**TO:** Board of Directors

**FROM:** Eric Fraser, General Manager

**SUBJECT:** Continued Discussion Related to Current Drought Conditions and Review of the District's Water Supply Reliability and Water Shortage Contingency Planning Guidelines as Set Forth in Section 5 of the District's 2013 Urban Water Management Plan

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**Recommendation**

This staff report is provided to assist the Board of Directors in a discussion related to the current California drought and the District's measures to promote water conservation.

**Background**

At their regular meeting on May 14<sup>th</sup>, 2014, the Board of Directors expressed an interest in continuing their discussion regarding the following issues:

1. impacts of the current California drought;
2. details of Governor Brown's Executive Order on Reduction Requirements; and
3. District's outreach efforts to existing customers as it relates to the current drought conditions.

Contingency planning provisions are set forth in section 5 of the District's 2013 Urban Water Management Water Report and are attached to this staff report.

The draft outreach letter approved by the Board of Directors at the May 14<sup>th</sup>, 2014 meeting is attached for reference. BCVWD Board of Directors requested the letter be sent to the District's customers as a direct mailing. BCVWD Staff obtained a quote from Infosend for the cost of printing, stuffing and mailing the letter. The attached quote in the amount of \$9,234.27 provides for the delivery of the outreach letter to 14,653 separate customers. Alternatively, the District can include a special message on the face of the District's utility bills for the next two billing cycles (June and July 2014) at no extra cost to the District or can include the letter as a billing insert at an approximate cost of \$1,539.

**Financial Impact**

There is a potential fiscal impact to the District at this time of up to \$9,234.77 for the distribution of the letter to be paid from the current year's approved budget. Water conservation measures may provide additional financial impacts such as reduced consumption and related water sales revenue.

## Section 5

# Water Supply Reliability and Water Shortage Contingency Planning

## Water Supply Reliability

10620(f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions

BCVWD has a very diverse water portfolio that allows it to maintain a reliable water supply to its current and future customers. The portfolio consists of:

- Unadjudicated groundwater from Little San Gorgonio Creek (Edgar Canyon)
- Unadjudicated groundwater from the Singleton Basin (future)
- Adjudicated groundwater from the Beaumont Basin
- Imported State Project Water from SGPWA
- Recycled water from the City of Beaumont and YVWD (both future)
- Non-potable groundwater from the mouth of Edgar Canyon (potential future)
- Stormwater capture from Noble and Little San Gorgonio Creek and others (potential future)
- Percolated urban runoff from developing areas (potential future)

In addition BCVWD has a storage account in the Beaumont Basin to store imported water when available in ample supply during wet years under a conjunctive use program. The Beaumont Basin has enormous amounts of groundwater in storage, as well as storage capacity to store more groundwater. The water in storage and the ability to store imported and other water, permits BCVWD to easily “get through” dry years with little direct impact on consumers. BCVWD is fortunate to have this resource.

BCVWD's water management strategy since its formation has always been to maximize local water resources including local groundwater and capture and percolate surface flows in Little San Gorgonio Creek for subsequent extraction in the District's Edgar Canyon wells. With increasing demand for water, BCVWD began installation of a non-potable water system with the intent of using recycled water from the City of Beaumont and YVWD. Currently (2013) the water demand in the non-potable system is about 20% of the total water demand. The non-potable water system is supplied exclusively with potable water at present. Recycled water is anticipated to be introduced into the non-potable water system in 2015.

BCVWD is fortunate to have a very reliable water supply, a large amount of groundwater in storage and a large amount of groundwater water storage capacity. This underground reservoir allows BCVWD to accommodate loss of imported water supply or reductions in their Edgar Canyon supply due to droughts.

In Section 4, BCVWD's water well pumping capacity was discussed and BCVWD has ample capacity to meet the maximum day demand with the largest well out of service. Standby generators are provided on critical water supply wells.

## **Plans to Ensure a Reliable Water Supply**

### ***Expansion of the Debris and Stormwater Capture Basins in Edgar Canyon***

In 2012 BCWD completed the construction of a series of debris and stormwater capture basins at the mouth of Little San Geronio Creek (Edgar Canyon), immediately upstream of the existing recharge ponds used by the Pass Water Agency. These basins will allow BCVWD to capture and recharge a portion of the larger storm flows that make it to the outlet of Edgar Canyon.

### ***Phase 2 Groundwater Recharge Facility***

The immediate focus of the District is on implementing Phase 2 of the Groundwater Recharge Facility. This work was designed several years ago and is now being constructed. The project will more than double the capacity of the Phase 1 facility and allow the District to percolate more imported water including Article 21 and turnback pool water. It will also allow BCVWD to percolate storm flows and runoff in Noble Creek which flows between the Phase 1 and 2 facility.

### ***Recycled Water Supply***

BCVWD has already installed over 30 miles of recycled water transmission main and distribution piping and a 2 MG non-potable water reservoir. This is a looped system that essentially encircles the City of Beaumont. There are over 275 connections to the non-potable water system which is currently delivering potable water. Current demands are about 1,500 AFY. As soon as recycled water is available it will be introduced and the potable supply disconnected. BCVWD has been awarded a facilities planning grant from the SWRCB to study the technical and economical feasibility of a connection to the YVWD recycled water system that will deliver 2000 AFY of recycled water to BCVWD (3000 AFY after 2030). This project was described in Section 4 of this UWMP Update. Discussions continue with the City of Beaumont to take recycled water from the City's plant when it is available. To do this will require a balancing tank and booster pumping station at the treatment plant site. The City will need to complete the validation of its treatment plant to meet full Title 22 as required in a letter from CDPH in 2007.. BCVWD expects recycled water may be available as soon as late 2014/early 2015.

### ***Imported Water Supply***

BCVWD will need to increase its reliable imported water supply from 3040 AFY currently to over 12,800 AFY by 2035 unless more local water is used. See Table 4-18 in Section 4. For Pass Agency's 2010 UWMP, BCVWD provided the Pass Agency with some preliminary estimates of imported water demand. Table 5-1 presents a summary of the imported demands considered by Pass Agency in the preparation of their UWMP and the current BCVWD estimate of imported water requirement. Table 5-1 shows that there is an increase in BCVWD's imported water quantity requirements over that preliminarily projected. One of the factors which caused this is the maximum benefit water quality TDS requirement of 330 mg/L in the recycled water system. This required equal volumes of imported water with each volume of City of Beaumont recycled water. So there was not an "acre-ft for acre-ft" savings.

The imported water supply requirements represent a conservative estimate. As more storm water and runoff water is captured and percolated the requirement will decrease. Similarly if more recycled water can be used, for example on the Morongo Tukwet Canyon Golf Course the imported water demand will decrease.

Table 5-1  
BCVWD Imported Water Requirements vs Pass Agency UWMP

Year	2005	2010	2015	2020	2025	2030	2035
Preliminary BCVWD Imported Water Requirement provided to SBPWA Aug 2010,AFY <sup>1</sup>		2,855	6,776	5,103	7,451	9,758	10,904
Imported Water Requirement, Table 4-18 herein, AFY		--	7,406	7,726	9,166	10,890	12,820
Difference, AFY		--	630	2,623	1,715	2,132	1,916
SGPWA Imported Water Demand in 2010 UWMP, AFY			6,970	7,760	15,015	22,468	26,920
BCVWD % of SGPWA Imported Water Demand, AFY			>100%	100%	61%	48%	48%

It is important to point out that the amounts of imported water in Table 5-1 do not include any reliability factor. To find the true Table A requirement, the imported water demands should be multiplied by 1.56 i.e., 1/0.64, to arrive at the Table A amount that is actually needed.

Pass Agency will need to purchase additional Table A immediately in order to be able to meet these projected requirements. If all of the member agencies of SGPWA demand imported water there may not be enough to meet demands and likely could exceed the Pass Agency Table A amount very soon. Certainly by 2025 it will be exceeded.

With the completion of EBX II, the Pass Agency will have 64 cfs delivery capacity except for:

- Foothill Pipeline portion of EBX II for which Pass Agency has only 32 cfs capacity but can get additional capacity by requesting it and if SBVMWD is not using the capacity. Pass Agency is considering the purchase the additional 32 cfs capacity.
- Cherry Valley Pump Station has only 32 cfs of firm pumping capacity, 52 cfs total pumping capacity. Expanding this pump station will be costly, but may have to be done at some point. An alternative may be a turnout and pipeline extension upstream of the Cherry Valley Pump Station.
- Noble Creek Pipeline is limited by velocity to about 52 cfs – the total capacity of the Cherry Valley Pump Station.

The 64 cfs capacity corresponds to about 35,000 AFY – i.e., double the current Table A. Table 2-3 in Pass Agency's 2010 UWMP projects a 26,920 AFY imported water demand for its service area in 2035. So based on this, the 64 cfs pipeline capacity should be adequate to beyond 2035.

### ***Stormwater and Urban Runoff Capture***

BCVWD will be evaluating a number of stormwater and urban runoff capture projects to decrease the need and cost for imported water. These were described in Section 4 and are summarized below:

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<sup>1</sup> Provided to CDM by J. C. Reichenberger, District Engineer, 8/17/2010

- Noble Creek “Soft Plug” -- Plans are in process and discussions underway with the Riverside County Flood and Water Conservation District to install a soft plug diversion, system in the concrete-lined portion of Noble Creek separating Phases I and II of the recharge facility to capture and percolate storm runoff. This will be relatively easy to develop and implement now that Phase 2 of the Recharge Facility is nearing completion.
- Discussions have also been held to install temporary berms in lower Noble Creek, upstream of the I-10 bridge to slow down and percolate storm runoff from the urban areas of Beaumont. This lower reach of Noble Creek receives a substantial amount of urban runoff from the new developments in the watershed. Even small amounts of rainfall produce measurable runoff
- Construction of an interceptor storm drain on Grand Avenue north of Brookside Avenue to capture urban storm runoff from about 1,160 acres of developed area in Cherry Valley. This area generates significant relatively clear runoff from even minor rain events. This runoff will be conveyed to the Groundwater Recharge Facility for percolation.
- The City of Beaumont has required developers to construct “water quality basins” to store and percolate runoff from the streets, roofs and other impervious areas in the development. Several of these basins exist. See Section 4. More should be installed to maximize the capture of runoff.

### ***High Nitrate Groundwater from Mouth of Edgar Canyon***

The use of nitrate-contaminated groundwater from the mouth of Edgar Canyon in the non-potable water system is a potential future project which could reduce the amount of imported water needed. This contaminated groundwater cannot be used for potable water supply without expensive treatment. Using it in the non-potable water system for landscape irrigation has a number of benefits. First, the landscaping materials use the nitrates as fertilizer; secondly, the contaminated groundwater is intercepted and precluded from flowing toward and contaminating the high quality Beaumont Basin groundwater; and thirdly, a water source is generated which offsets the need for imported water.

### ***Financing***

BCVWD has the financing in place and is collecting fees from each new residential unit or “equivalent dwelling unit” for commercial/industrial/institutional facility for the purchase of additional Table A water, local water resource development, water treatment and recycled water facilities, including pipelines, tanks pumps, wells etc. When they are purchasing the Table A amount, the District recognizes that additional rights need to be purchased to account for the reliability issues with delivery of State Project Water.

In 2009 a Capital Improvement Program, which included the projects above, was developed by BCVWD and provided to the rate study consultant to factor into any proposed rate changes. The rate study and adopted rates have taken many of these projects into consideration.

## **Inconsistent Water Sources**

10631(c)(2) For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.

## Groundwater

After February 2014, when the “Temporary Surplus” pumping stops, BCVWD will only be able to pump groundwater the District has banked in its storage account in the Beaumont Basin. The banked water includes percolated imported water, percolated stormwater and urban runoff, transferred water from South Mesa Water Company and reallocation of unused overlie rights and pumping forbearance water. The Beaumont Basin Adjudication allows appropriators, like BCVWD, to have their own water storage account in the basin. As of July 1, 2011, BCVWD has an 80,000 AF authorized storage account. (If full, this is about 4.8 years supply based on the year 2035 potable water demand assuming no other supply.) The storage account can be used to store captured runoff and imported water for use during dry years. As of December 31, 2012, BCVWD’s storage account had a balance of 39,275 AF<sup>2</sup>. This is almost 3 years potable water supply at the current demand and just less than 2 years at the year 2035 demand. BCVWD is actively recharging all water that is available from the Pass Agency. In summary as long as the District has water in its storage account, the impacts of an inconsistent supply are easily mitigated.

In addition, there are over 2.4 million AF of groundwater available in storage according to STWMA. This water could be “tapped” in a true emergency but would require Watermaster approval.

Groundwater from Edgar Canyon is affected to some degree by climate as can be seen from the statistics in Table 5-2. The average annual extraction from Edgar Canyon is 2259 AFY based on records from 1983-2010. During that period of time the minimum extracted was 1117 AFY; 90 percent of the time at least 1270 AFY are available (the 10<sup>th</sup> percentile). This was discussed in detail in Section 4. Any reductions in pumping from Edgar Canyon is easily replaced by groundwater from BCVWD’s storage account in the Beaumont Basin.

Table 5-2 (Presented Previously as Table 4-4)  
Groundwater Extraction Statistics from Edgar Canyon Wells (1983 -2011)

Parameter	Annual Production Acre-ft
Average	2,259
Maximum	3,738
Minimum	1,117
Minimum 3-yr Moving Average	1,230
90 <sup>th</sup> Percentile	3,288
10 <sup>th</sup> percentile	1,277

This variability will be accounted for in the drought analysis in this section.

Recycled water 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. BCVWD is counting on two separate sources: YVWD and the City of Beaumont. For the YVWD supply, the amount that BCVWD is proposing to use is far less than the amount of recycled water produced at YVWD’s water recycling plant.

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<sup>2</sup> Beaumont Basin Watermaster (2013). 2012 Annual Report – Draft, April.



The only sources which may not be consistently available due to climate are stormwater, urban runoff, Edgar Canyon groundwater and imported water which is affected by Northern California climate.

### ***Imported Water***

In addition to the inconsistencies due to the biological/endangered species restrictions and other factors identified in Section 4 which affect the overall reliability of imported State Project Water, there is variability in the supply due to climate, i.e., wet years vs. dry years. DWR reduces the allocation to each Contractor during dry periods but makes excess water available during wet years (Article 21 Water).

Uncertainties with earthquake impacts on the Delta levees or conduits and pump stations could also occur which would cut off the supply of imported water for a while – perhaps 6 months to a year or more, depending on the severity of the problem. Should these catastrophic events occur, BCVWD will be relying on water in its Watermaster-monitored, groundwater storage account. By keeping a sufficient amount of water in storage will allow BCVWD to “weather” these supply interruptions. As stated above, as of the end of 2012, BCVWD has 39,7250 AF in its storage account; so outages of even a year would not have a significant impact on BCVWD’s ability to provide water to its customers. In the future as demands increase, BCVWD will need to ensure there is adequate water in the storage account to weather long term outages. Because of BCVWD’s ability to store water in the Beaumont Basin (up to 80,000 AF), it is only in extreme cases that water use restrictions would need to be imposed. BCVWD is very fortunate to have a large groundwater basin available for extreme emergencies.

### ***Stormwater and Urban Runoff Reliability (Potential Projects)***

Construction is complete on desilting and percolation basins at the mouth of Edgar Canyon upstream of the recharge ponds used by the Pass Agency. This allows BCVWD to trap and desilt excess storm flows and release slowly to the Recharge Facilities overlying the Beaumont Basin or to percolate the flows in Lower Edgar Canyon Spreading Grounds which appear to overly a portion of the Beaumont Basin per a recent USGS report.

The combination of a large, essentially uncontaminated, groundwater basin with ample storage capacity in conjunction with the BCVWD Groundwater Recharge Project Phase I and Phase II facilities provide a unique opportunity to capture and percolate stormflows and runoff. The Phase 1 recharge facilities have about 10 wetted acres of percolation area. The storage capacity within Phase 1 is about 30 acre-ft and the percolation capacity is 20,000 to 25,000 AFY. Phase 2, which is about to come on line, has about 15 wetted acres and about 50 acre-ft of storage. This is expected to add another 20,000 to 25,000 AFY or more of percolation capacity bringing the total percolation capacity to 40,000 to 50,000 AFY or more.

The storage and percolation capacity provides ample opportunity to take advantage of the “flashy” storm flows from Little San Geronio Creek (Edgar Canyon) and Noble Creek upper watersheds. Installation of diversion works (soft plugs) in the concrete-lined portion of Noble Creek channel would allow BCVWD to capture, desilt, and percolate additional storm runoff from the Little San Geronio/Noble Creek watershed.

Another potential project, Grand Avenue Stormwater Interceptor, was identified in Section 4 to intercept runoff in the Marshall Canyon watershed and convey it to the District’s groundwater recharge facility.

As development occurs, the City is requiring developers to install urban runoff capture and percolation facilities; so in the future, as the population grows, more runoff will be generated. There are 3 existing urban runoff capture basins that have been constructed; more are likely.

Urban runoff captured and percolated in these basins will need to be monitored, measured and reported to Watermaster to receive credit for this water. The urban runoff, which is percolated and stored in the groundwater basin, is available for use as a water supply. Using its large groundwater storage account, BCVWD is able to store captured runoff during wet years when runoff is abundant for use during dry years. This described in Section 4 of this UWMP Update.

### Summary

Table 5-3 (DWR Table 29) presents a summary of the factors resulting in inconsistency in the source of supply. Because BCVWD overlies the Beaumont Groundwater Basin, these inconsistencies in supplies will not result in interruption of water supplies to current or future customers. The reason for this is the fact that the Beaumont Groundwater Basin has an extensive amount of water storage (upward of 2.4 million AF) with 200,000 to 400,000 AF additional available for storage. BCVWD has an 80,000 AF storage account in the basin managed by the Beaumont Basin Watermaster. This allows BCVWD to store water during wet years for use during dry years.

Table 5-3  
Factors Resulting in Inconsistency of Supply (DWR Table 29)

Water Supply Source	Limitation (acre-ft)	Legal	Environmental	Water Quality	Climate	Additional Information
Edgar Canyon Groundwater	1270				X	Note 1
Beaumont Basin Groundwater Appropriator Rights	Not available	X				Note 2
Beaumont Basin Groundwater Transfer of Pumping Rights South Mesa WC	Not Available	X				Note 2
Beaumont Basin Groundwater Unused Overlier Rights	Variable	X			X	Note 3
State Project Water	470	X	X		X	Note 4
Recycled Water	No Limit					Note 5
Stormwater Capture from Edgar Noble, and Marshall Canyons					X	
Urban Runoff Capture and Percolation					X	
Nitrate-contaminated Groundwater					X	
Singleton Basin Well					X	

1 10 percentile historic production from Edgar Canyon Wells (see Section 4)

2 After 2014 the Appropriator production rights are zero per Adjudication

3 Reallocation of Overlier pumping rights are variable. Estimated to drop to 1000 AFY by 2035

4 SWP reliability discussed in text. 10% of Table A is available 100% of the time; adjusted per draft allocation agreement.

5 Recycled water is not subject to any significant variations. Domestic water restrictions typically have greatest impact on outdoor water use.

# 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 5-4 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. This provides the backdrop for the sub-sections to follow.

Table 5-4  
Historic and Projected Average and Maximum Day Potable Water Demands

Year	Average Day Demand, AFY	Average Day Demand, mgd	Maximum Day Demand, mgd
2005	9,306*	7.4	17.0 actual
2010	11,023*	8.3	19.7 actual
2015	10,953	9.8	19.6
2020	11,912	10.6	21.3
2025	13,287	11.9	23.7
2030	14,036	12.5	25.0
2035	15,837	14.1	28.2

\* Total water demand since potable water used in 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 5-5.

Table 5-5  
Gravity Storage Reservoirs in BCVWD System

Available Reservoirs	Total Aboveground Storage (MG)	Total Aboveground Storage (acre-feet)
Upper Edgar	0.75	1.5
Lower Edgar	1.0	3.1
Noble & Highland Springs	3.0	9.2
Vineland I, II & III	6.0	18.5
Cherry I, II, and III	4.0	12.3
Taylor	3.9	12.0
Hannon (2650 Zone)	5.0	15.3
3900 Zone (not yet operational)	0.2	0.6
<b>TOTAL</b>	<b>23.85</b>	<b>72.5</b>

The reservoir storage capacity in Table 5-5 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 24 MG of gravity storage is more than one maximum day based on 2010 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.

### **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 5-6. 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 2020 assuming all wells with standby power or standby power connections are in service. 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 15.7 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 15.7 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 1500 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.

Table 5-6  
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	Auxiliary engine drive
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 (Snapdragon)	1,450	6.4	Standby Generator (only BCVWD's Share of Capacity Shown – total = 2900 gpm)
29	BSU (Sunny Cal Egg)	4,000	17.7	Standby Generator
Total Wells with Standby Power or Standby Power Connections		14,880	65.7	21.4 mgd capacity
Total Wells with Standby Power or Standby Power Connections with Well 29 out of service		10,880	48.0	15.7 mgd capacity
Total All Wells		17,550	77.6	25.3 mgd capacity

### ***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).

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. The reduction could be as much as 45% on the maximum day at the year 2035 demand level.

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 Geronio 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 ringwall foundation and have been designed to resist seismic shaking. These are all relatively new tanks constructed since year 2000 or so 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 these 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 Geronio Canyon (Edgar Canyon). A severe fire could damage and make inoperable some or all of the 11 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. There were several severe fires in the watershed in the 1990's, but no damage was done to BCVWD facilities and 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

### ***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<sup>3</sup>. A seismic event creating levee breaches could create an outage of 1 to 2 years<sup>4</sup>. 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.<sup>5</sup> 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.

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<sup>3</sup> 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.

<sup>4</sup> 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)

<sup>5</sup> 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

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. The most recent was 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 6 months to pump out the flooded island.<sup>6</sup> 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 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.<sup>7</sup>

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 Edmunston Pumping Plant or the aqueduct either upstream or downstream of Edmunston 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

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<sup>6</sup> DWR (undated). Levee Failures in the Sacramento-San Joaquin Delta, Water Conference Poster, prepared by URS Consultants.

<sup>7</sup> Lund, J. et. al. (2007). Envisioning Futures for the Sacramento-San Joaquin Delta, Public Policy Institute of California.



in operation while repairs were made. Thus, the SWP contractors experienced no significant interruption in deliveries.<sup>8</sup> 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 reviewed at least every two years and adjustments are made as needed.

### ***Past Industrial/Commercial Operations etc.***

#### Lockheed Martin<sup>9</sup>

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 southwest of the City of Beaumont in the San Timoteo Badlands and also does not overlie 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.

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<sup>8</sup> Kern County Water Agency (2010). Urban Water Management Plan Update.

<sup>9</sup> <http://www.lockheedmartin.com/us/who-we-are/sustainability/remediation/beaumont.html> Accessed 09052012

## 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.<sup>10</sup>

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.”<sup>11</sup>

Figure 5-1 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.

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 CDPH 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.

Other than nitrates, there are no other known sources of contamination.

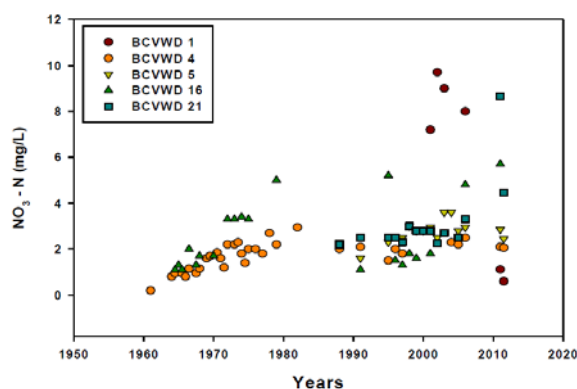


Figure 5-1  
Historical Trends in Nitrate-N Concentration in Selected BCVWD Wells<sup>12</sup>  
(MCL for NO<sub>3</sub>-N = 10 mg/L)

<sup>10</sup> 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.

<sup>11</sup> Ibid, pg 27

<sup>12</sup> Ibid

## ***Vandalism and Terrorism***

Vandalism and terrorism-related contamination are remote possibilities; nevertheless they can 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.

## **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. 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 Geronio 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 CDPH.

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, 2012, BCVWD's storage account had a balance of 39,725 AF. At the current demand of 7,406 AFY for imported water, the amount of water presently in storage is sufficient to meet BCVWD's imported water demands for over 5 years even if no imported water is available.

### ***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.

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 12<sup>th</sup> 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 12<sup>th</sup> 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 CDPH requirements. If these wells increase in nitrates, blending may not be a solution and treatment will be required.

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), hosing down driveways and sidewalks, 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.

## **Mandatory Reduction in Water Use During Water Shortages**

In the event that the advisory measures for short-term interruptions do not result in the water reduction needed to meet demands, mandatory prohibitions will be necessary. Depending on the required reduction and the time of year, these could include specific mandatory prohibitions of specific water use activities. To provide guidance, 5 water consumption reduction stages are identified.

### ***Consumption Reduction Stages***

Five consumption reduction stages are summarized in Table 5-7 and are presented in detail subsequently under “Drought Planning.”

Table 5-7 (DWR Table 35)  
Water Shortage Contingency-Rationing Stages to Address Water Supply Shortages

Stage No.	Water Supply Conditions	% Shortage
1	Mechanical or electrical supply failure at one large production well, i.e, 12 <sup>th</sup> and Palm Booster booster pump, or transmission main damage during the peak demand period resulting in an outage of more than a week, Voluntary water conservation by customers recognizing there is a reduction in supply. Typically customers are very cooperative and recognize the seriousness of the situation.	10
2	Water supply conditions for Stage 1, but voluntary water conservation measures are not achieving the reduction needed and a mandatory reduction of water demand is required.	10
3	Mechanical/electrical failure at two large production wells or mechanical/electrical failure at one large production well and a reservoir (tank) is out of service during the peak demand period. Mandatory reduction is required	20
4	Mechanical/electrical failure at two large production wells and one reservoir (tank) is out of service for an extended period of time (more than 1 week). Mandatory reduction is required	30
4 Plus	Mechanical/electrical failure at multiple large production wells and more than 2 reservoirs (tanks) out of service for an extended period of time (more than 1 week). This could be the result of a large earthquake or other local catastrophe. Mandatory reduction is required	50

The General Manager along with the Board of Directors would assess the emergency situation and determine which stage is appropriate. It is possible that after initial assessment, the General Manager and the Board could require a greater reduction in water demand and would declare a higher stage. Ideally, if there were sufficient time, a public hearing would be held before implementing any of the stages; but this may not always be possible.

## ***Mandatory Prohibitions During Water Shortages***

10632(d) 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.

10632(e) 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 5-8 presents a list of these prohibitions, some suggested consumption reduction methods and prohibitions that can be considered by the Board of Directors during water shortages, the “stage” when they are to be implemented, and the estimated District-wide percent of water reduction the measure could have.

Table 5-8 (DWR Tables 36 and 37)  
Water Shortage Contingency – Mandatory Provisions and Projected Reductions

<b>Examples of Prohibitions</b>	<b>Stage When Prohibition Becomes Mandatory</b>	<b>Projected Reduction (%) District-wide</b>
Precluding the use of potable water from hydrants for street sweeping and construction and dust control. (Non-potable or recycled water could be used for construction water and street sweeping.)	2	3-5
Restricting lawn watering and park, school and street median landscape watering to odd/even days or restricting watering to specific number of days per week	2	15 -25
Prohibiting the operation of any non-recycling ornamental fountain or water display.	2	1-3
Prohibiting washing cars (except at commercial car washes), hosing down driveways and sidewalks (except as necessary for public health and safety), and filling or adding make-up water to swimming pools.	3	5
Temporary rate surcharges as part of a temporary tiered rate structure	3	25-30
Prohibiting the use of any hoses without automatic shut-off inside or outside of structures, including businesses that use rinse water	3	5
Prohibiting restaurants from serving drinking water unless specifically requested by the customer.	3	2-5
Restricting irrigation to once per week including all parks, schools, street medians etc.	4	35-40
Prohibiting operation of ornamental fountain or water display	4	1
Initiate customer water use allotments and surcharges for water use above the allotment.	4	25-35
Prohibiting all irrigation of landscaping including all parks, schools, street medians etc.	4 plus	50
Initiate penalties and flow restrictions for flagrantly exceeding allotments	4 plus	10% more than just with allotment and surcharges

Except in extreme sudden emergencies, the Board of Directors would normally hold a public hearing to discuss the conditions requiring more than voluntary reductions in water use and the need to implement mandatory water use restrictions. 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 5-8 above 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).

## Charges for Excessive Water Use

10632(f) Penalties or charges for excessive use, where applicable.
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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 [ccf]) for water use in a billing period over 44 ccf. BCVWD could increase these charges, initiate consumption surcharges for excessive use 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.

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."

Termination of service can be initiated by the BCVWD violation of its Rules and Regulations including unauthorized use of water or of the water system. This could include any violation of a duly established water conservation/water use rule or regulation.

Table 5-9 presents a summary of the penalties/charges and the stage when they could be in effect.

Table 5-9 (DWR Table 38)  
Water Shortage Contingency – Penalties and Charges

Penalties or Charges	Stage When Charge or Penalty Takes Effect
Temporary surcharge & additional usage tiers	3
Penalties and flow restrictions for exceeding allotments	4 plus
Termination of service for failure to comply with provisions of water shortage resolution	At any time

## Impacts of Water Shortage Contingency Actions on Revenues and Expenditures

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.

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 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 2012, the budget estimated \$2.286 million in fixed meter (service) charges and \$4.627 million in water sales revenue (commodity charge). The expenses budgeted for chemicals and treatment and electricity was \$1.525 million. The fixed meter (service) charges would not be affected by a reduction in water sales.

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 \$195,000, i. e,  $0.042 * \$4.627$  million; the reduction in chemicals and electricity would be \$64,000. The net would be an annual loss of revenue of \$131,000.

A 50% reduction in water demand for a period of 1 month would result in a similar net annual revenue loss of \$131,000.

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 \$150,000 to \$175,000 range.

The BCVWD audited Financial Report for 2010 showed BCVWD with over \$100 million in net assets of which \$3.946 million was designated for operating reserve. 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) will not affect BCVWD's operation. It is less than 5% of the designated operating reserve. As a result, no special action is needed.

## Water Shortage Contingency Resolution

10632(h) A draft water shortage contingency resolution or ordinance.

A draft water shortage contingency resolution is included at the end of this Section.

## Water Quality

10634 The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.

## Groundwater

The Beaumont Basin and Edgar Canyon groundwater quality is excellent and is expected to remain high quality throughout the period 2010 through 2035.

Review of recent general mineral and inorganic analysis for wells in the upper, middle, and lower Edgar Canyon indicated the inorganic chemicals of concern (heavy metals) were all below the detection level for reporting purposes except for iron in one well (4A) and total chromium. Both of these were well under the MCL however. The testing for perchlorate indicated concentrations less than the detection level for reporting purposes.

Historic data for BCVWD Well 6 in Middle Edgar Canyon from the period 1955 to 1995 was reviewed for water quality changes in nitrate. From the period 1955 to about 1970 nitrate (as nitrate) increased about 0.17 mg/L/year. Thereafter the rate of increase appears to have slowed down. It is currently at 11 mg/L (MCL = 45 mg/L). It would be expected to remain under 20 mg/L for the next 20 years. See Figure 5-2.

Well 4A, in lower Edgar Canyon had a nitrate concentration of 7.5 mg/L in 2009 and 8.7 in late 2012; Well 12 in upper Edgar Canyon had a nitrate concentration of 5.1 mg/L in 2009; Well 11, close to Well 12, had a nitrate concentration of 5.9 mg/L in late 2012.

In summary the groundwater quality in BCVWD's wells in Edgar Canyon will continue to remain well under the MCL values for regulated constituents for the next 20 years or more and will not impact future water supply

The water quality in the Beaumont Basin is excellent though some of the wells have experienced nitrate spiking at times during the past. TDS concentration in the Basin is less than 250 mg/L in most areas.

Nitrate concentrations are known to be increasing in some of BCVWD's wells. This was discussed previously in this section. This is caused by agricultural fertilizers and septic tanks. This impact could cause BCVWD to abandon the "offending" wells and drill new wells outside of the nitrate influence or provide wellhead treatment for nitrate removal (very expensive). It is likely that nitrate concentrations in some of wells will become an issue by the year 2020 – 2030 time frame. Refer to Figure 5-2.

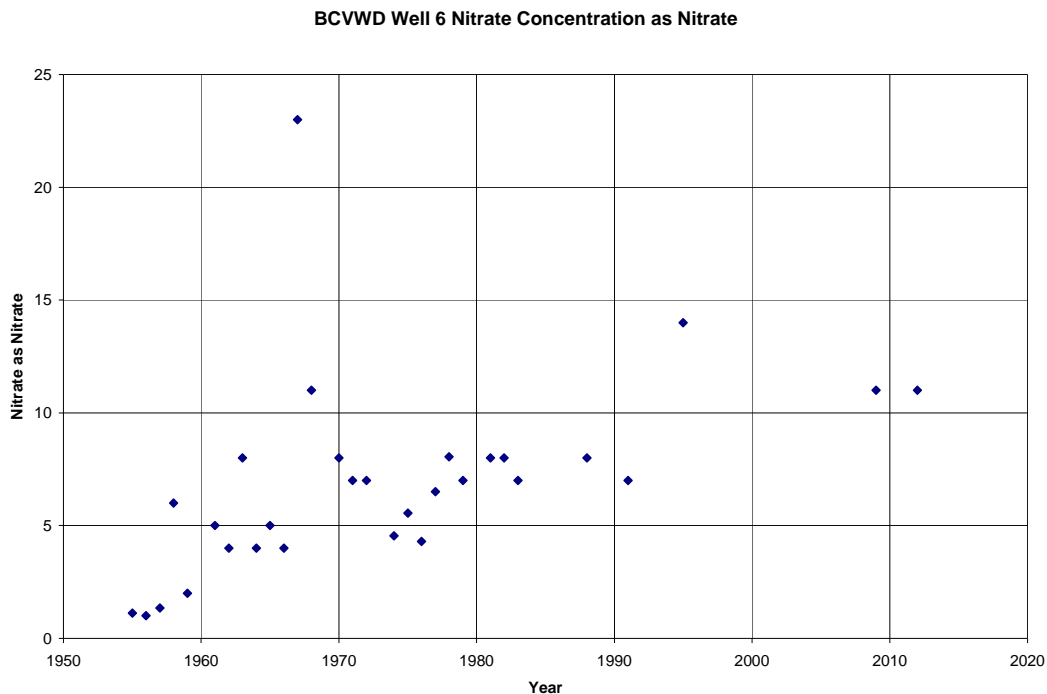


Figure 5-2  
Nitrate (as Nitrate) Concentrations in BCVWD Well No. 6 Edgar Canyon

A sewer system could be constructed to serve the areas with the highest density of septic tanks and this would eventually eliminate or greatly reduce the nitrate impact. This would require the formation of a separate agency such as a community services district, county service area, etc. to construct the system and either contract with the City of Beaumont for treatment or build its own treatment facility. Sewer service could not be provided by BCVWD since Measure B failed passage in a special election in 2007. For BCVWD to provide sewer service, another ballot measure would likely be needed to authorize its latent sewer authority.

## Recycled Water and Impact on Groundwater Quality

The Regional Water Quality Control Board, San Ana Region, has established a maximum benefit water quality objective of 330 mg/L TDS to allow the use of recycled water in the area. Current groundwater TDS is about 230 to 250 mg/L. The use of recycled water, with a current City of Beaumont recycled water TDS of about 400 mg/L, is expected to have an impact on the groundwater quality over time. It is further recognized that the TDS of the recycled water will increase over time as the well water supply increases in TDS. This is discussed below.

The Regional Board required the City of Beaumont, as well as BCVWD and other agencies overlying the Basin, to agree to certain actions to ensure the TDS of the groundwater basin does not exceed 330 mg/L maximum benefit objective. This includes funding and constructing desalters and/or zero discharge facilities as needed. These commitments are a condition of the permit to allow recycled water to be used. One of the conditions imposed by the Regional Board is that the 10-year annual average of TDS concentration in the recycled (non-potable) water system cannot exceed 330 mg/L. As such, this will require blending recycled water with other lower TDS water, e.g., imported State Project Water. Based on these commitments and the regulatory power of the Regional Board, groundwater quality and beneficial uses will be protected.

As part of the recycled water permit process, the City of Beaumont, through a consultant, developed a simplified groundwater model of the Beaumont Basin<sup>13</sup>. The model results indicated the average quality of the groundwater could reach this maximum benefit objective of 330 mg/L sometime after 2025. The exact year depends on the water demands, amount of SPW imported into the Basin, the amount of recycled water used, etc. It is important to recognize that the model was based on “complete mix” theory and did not account for the travel time or losses from the ground surface to the groundwater table which is up to 500 ft or more below the ground surface. It is BCVWD’s opinion that the TDS will not reach the maximum benefit objective until well beyond 2050. The Permit conditions for the use of recycled water require systematic monitoring of the groundwater quality in the basin over time.

Another water quality consideration with maximizing the use of recycled water by recharging surplus amounts not needed for landscape irrigation to supplement the potable water supply is the potential presence of chemicals of emerging concern (CECs) which include pharmaceuticals and personal care products (PPCPs) as well as compounds which have CDPH notification levels, e.g, NDMA, 1,4-dioxane etc. This will require blending with imported or other non-recycled source water, monitoring and careful control of Total Organic Carbon (TOC) in any recycled water recharged. The current draft groundwater recharge regulations<sup>14</sup> limit the amount of recycled water that can be recharged unless the TOC can be “diluted down.”

Table 4-19, presented previously in Section 4, indicated about 420 AFY of City of Beaumont recycled water is “surplus” and will not be able to be used for landscape irrigation due to variable seasonal demands and the blending requirements in the permit. The surplus amount will increase to 1,500 AFY by the year 2035. In previous UWMP Updates, it was assumed this surplus amount could be percolated to recharge the groundwater. But this will not be possible under the draft groundwater recharge regulations without expensive advanced treatment beyond the Title 22 level required for landscape irrigation. The costs for this treatment are discussed in Section 4.

The current draft recharge regulations for surface spreading of recycled water state the Total Organic Carbon Concentration (TOC) in the recycled water cannot exceed (0.5 mg/L)/recycled municipal wastewater contribution (RWC). The TOC concentration in the City of Beaumont’s recycled water is estimated to be about 8 mg/L. Based on this, the RWC cannot exceed 0.0625.

The RWC is defined as the amount of recycled water/(amount of recycled water plus diluent water). To achieve an RWC = 0.0625, the 420 AFY of City of Beaumont recycled water that cannot be used for irrigation will need to be diluted with 6,300 AFY of imported SPW<sup>15</sup>. That amount of imported water is not available. So, percolating surplus recycled water does not appear viable with the current regulations.

Another consideration is the monitoring for chemicals of emerging concern (CECs) and pharmaceuticals and personal care products (PCCP). These substances are present in the “parts per trillion” range, i.e., very low concentrations. Nevertheless, the District is concerned about potential long term consequences of these substances in recycled water. Testing and monitoring for the low concentration substances is very costly and the District would like to avoid these costs if at all possible. The District strongly believes that if any surplus recycled

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<sup>13</sup> Wildermuth Environmental, Inc (2009). Total Dissolved Solids (TDS) and Nitrate Projections for the Beaumont Management Zone, July 9.

<sup>14</sup> California Department of Public Health (CDPH) (2011). Revised Draft Groundwater Replenishment Reuse Regulations, November 21.

<sup>15</sup>  $420/(420 + 6,300) = 0.0625$

water is to be percolated, it will have full advanced treatment as stated in the Draft Regulations. Full advanced treatment includes reverse osmosis and advanced oxidation similar to that provided by the Orange County Water District and others. This is not considered to be a part of this UWMP Update at this time.

YVWD recycled water is expected to remain at a maximum of 330 mg/L TDS as a result of the YVWD implementing desalting. YVWD recycled water at a TDS concentration of 330 mg/L would not require blending with imported or other water to reduce the TDS concentration in the recycled water system.

## Imported State Project Water

State Project Water does experience some changes in water quality in response to wet and dry cycles in the Northern California Watershed. Data from the Metropolitan Water District of Southern California, shown in Figure 5-3, shows the TDS in their imported water supplies from 1977 to 2007 – a 30-year period. The TDS of the Silverwood Reservoir supply is identical to that received by the San Geronio Pass Water Agency. During the high flow year of 1983 the TDS actually dipped below 100 mg/L; during the drought period of the early 1990s, TDS hovered over 400 mg/L. The last 7 or 8 years the TDS has been in the 200 to 300 mg/L range. The nitrate concentration (as nitrate) in the imported water for 2011-2012 was 2.0 mg/L, (0.45 mg/L as N).

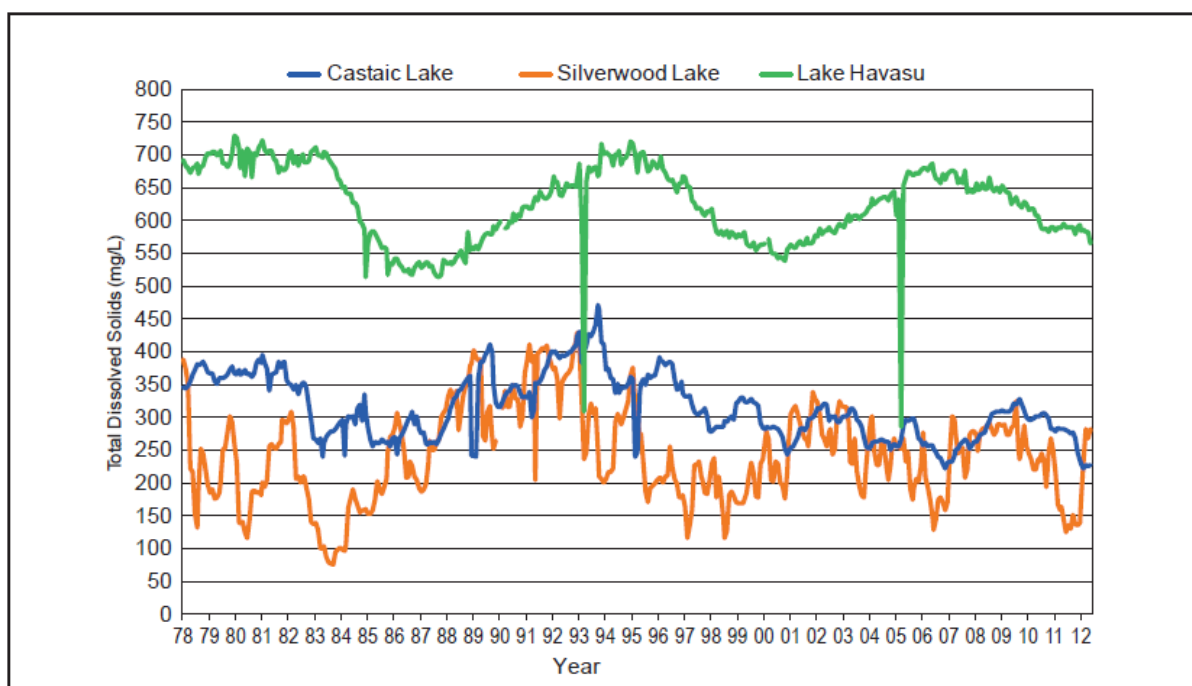


Figure 5-3  
Quality of Imported Water Supply<sup>16</sup>

Article 19 of the Department of Water Resources contract with SGPWA states that it is the objective of the State and the State shall take all reasonable measures to make available

<sup>16</sup> Metropolitan Water District of Southern California (Metropolitan 2012) Annual Report for the Fiscal Year July 1, 2011 to June 30, 2012. Chapter 4/

project water of such quality that the TDS concentration does not exceed 440 mg/L on a monthly average or 220 mg/L as an average during any 10-year period.<sup>17</sup>

The average TDS for the period January 2004 through January 2010 was 249 mg/L. . This matches the TDS for the 25-year period from 1972-97<sup>18</sup>. For the 10-year period 1988-97 the TDS averaged 300 mg/L. This indicates that there could be some 10-year periods in the future where the SPW could exceed 250 mg/L and careful salinity management will be necessary. In their salinity management plan, Metropolitan Water District of Southern California used an average TDS of the East Branch of the SWP is 250 mg/L.<sup>19</sup>

Implementation of the Bay Delta Conservation Plan should help maintain or improve the quality of the State Project Water; so a TDS concentration of 250 mg/L as a 10-year average should be maintained throughout the planning period in the UWMP Update.

## Other Sources of Water

Stormwater captured in water quality basins (urban runoff) and recharged storm flows are expected to remain essentially constant for the next 20 years. Storm flows are relatively low in TDS. Wildermuth Environmental used a value of 100 mg/L TDS in their study of salinity in the Beaumont Management Zone.<sup>20</sup>

## Water Quality Summary

Table 5-10 presents a summary of the projected water quality for BCVWD's water sources over the planning period for the UWMP Update. TDS in the Beaumont Basin groundwater will gradually increase over the years as part of a natural process of using the groundwater and applying it to the land. Water recycling will also be a contributing factor; the Regional Board's requirement that the TDS of the water in the non-potable system, not exceed 330 mg/L on a 10-year running average will mitigate this to some degree. However, the increase in TDS presented in Table 5-10, developed from studies of the groundwater by Wildermuth Environmental,<sup>21</sup> is not likely to increase at the rate shown due to the assumptions in the model as discussed previously. The increase in TDS in the groundwater will bring about an increase in TDS in recycled water too.

The increases in nitrates in the Beaumont basin will likely be occurring in the areas underlying Cherry Valley and will need to be monitored. However, there is no immediate concern and projections indicate that even by 2035, the nitrates will be at only 40% of the MCL. There is some projected increase in nitrates in the groundwater from Edgar Canyon but again, this is not of any immediate concern. However, BCVWD must be vigilant to closely monitor on-site

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<sup>17</sup> State of California Department of Water Resources (1962), Contract between the State of California, Department of Water Resources and San Geronio Pass Water Agency for a Water Supply. November 16.

<sup>18</sup> California Urban Water Agencies (1999). Recommended Salinity Targets and Program Actions for the CalFed Water Quality Program, December.

<sup>19</sup> Metropolitan Water District of Southern California (2012). Salinity in Metropolitan Supplies, Historical Perspective, Handout #2. Presented at Salinity Management Update Study Workshop, Southern California Salinity Coalition, June 1.

<sup>20</sup> Wildermuth Environmental (2011). Total Dissolved Solids and Nitrate-nitrogen Projections for the Beaumont Management Zone, April 21.

<sup>21</sup> Ibid

disposal systems and require the installation of advanced, nitrogen reducing systems in and adjacent to Edgar Canyon

The imported water and captured stormwater and urban runoff will remain constant over the 20 year planning period of the UWMP.

## Drought Planning

10631(c)(1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following: (A) an average water year, (B) a single dry water year, (C) multiple dry water years.

The District experienced extended droughts during 1948 - 1952, 1960 - 1965, 1976 – 1977, 1987 – 1992, 1999 – 2002 and 2007-2009. In fact the rainfall in 2009 was one of the lowest on record<sup>22</sup>. In all of these drought events the BSU and Edgar Canyon areas continued to provide adequate water supplies without the need to restrict water use. This can be attributed to the large amount of groundwater in storage in the BSU. This stored water is replenished during wet years. During 2010, approximately 83% of the District's current water supply came from the BSU; the rest came from Edgar Canyon.

Table 5-10 (DWR Table 30)  
Summary of Water Quality for BCVWD's Water Sources

Water Source	Condition	Concentration, mg/L					
		2010	2015	2020	2025	2030	2035
Beaumont Recycled Water <sup>a</sup>	Changes in TDS	400	400	412	426	430	430
YVWD Recycled Water	Changes in TDS	--	330	330	330	330	330
Beaumont Basin GW <sup>a</sup>	Changes in TDS	285	290	302	316	330	330
	Changes in Nitrate as N (MCL 10 mg/L)	2.6	2.8	3.1	3.4	3.6	4.1
Edgar Canyon GW	Changes in Nitrate as N (MCL 10 mg/L)	2.5	2.5	2.6	2.7	2.8	3
Imported SPW	Changes in TDS	250	250	250	250	250	250
Captured Stormwater incl. Urban Runoff	Changes in TDS	100	100	100	100	100	100

<sup>22</sup> San Geronio Pass Water Agency (2012). Annual Report of Water Conditions, Reporting Period 2010, March

<sup>a</sup> From Wildermuth Environmental <sup>23</sup>. BCVWD believes this rapid change will not occur due to simplifying assumptions in the Wildermuth model. Assumes that desalting will be initiated when TDS reaches 330 mg/L

The Beaumont Basin was Adjudicated in 2004 as described in Section 4 of this UWMP Update. Between 2004 and 2014 the appropriators, BCVWD included, were allowed to continue pumping up to 16,000 AFY for the 10-year period (total 160,000 AF) to create more useable storage to accommodate conjunctive use. This was a deliberate lowering of the water table to better manage the groundwater supply. After 2014, the Beaumont Basin will operate on a safe yield basis.

Between 2000 and 2006 wells 2S/1W-33L01 and -27L01 near the center of the Beaumont Basin dropped about 6.3-6.4 ft/year. Between 2006 and 2011, well 2S/1W-33L01 dropped about 15 ft/year. A well near the western edge of the basin (2S/2W-25B01) dropped about 3.9 ft/year from 2000 to 2010. Well 2S/1W-27L01 which showed the dramatic drop also showed a rapid response to the recharge of imported water and climbed about 7.5 ft/year from 2007 to 2011<sup>24</sup>. This is clear indication the basin responds well to recharge and can be managed conjunctively with the imported water.

The Beaumont Basin provides BCVWD with a huge storage reservoir to supply water during drought periods. As stated in Section 4, STWMA estimated there may be as much as 2.4 million acre-ft of groundwater in storage in the Beaumont Basin. BCVWD has drilled wells to 1500 ft below ground surface and has still not reached the limit of useable groundwater.

Table 5-11 presents a summary of the specific years used in the critical drought and dry period analysis.

Table 5-11 (DWR Table 27)  
Basis of Water Year Data

Water Year Type	Average Year	Critical Dry Year	3-yr Dry Year
	Base Year(s)	Base Year	Base Year(s)
Edgar Canyon and other groundwater basins	1983-2011	1991	1989-1991
State Water Project	1922-2003	1977	1990-1992

The following sections evaluate BCVWD's ability to provide water during the planning period under average (normal) conditions, single dry year and multiple dry year (3 dry years in a row) conditions

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<sup>23</sup> Ibid

<sup>24</sup> San Geronio Pass Water Agency (2012). Annual Report of Water Conditions, Reporting Period 2010, March

## Water Supply Under Normal, Dry and Multiple Dry Water Years

§10635(a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier .

### ***Normal Year***

Table 5-12 presents a summary of the water supply and demand for a normal year. This is essentially the same as Table 4-23 presented in Section 4. The table shows a deficiency which will be made up with imported water and water from BCVWD's storage account.

Table 5-12 (and Table 4-23) represent a "worst case" condition which is based on the 64% reliability of the SWP and the Pass area agencies allocation agreement which reduces BCVWD's share of the Pass Agency's imported water supply to 3,040 AFY. The "allocation agreement" allows the reallocation of any unused or unneeded SPW to other Pass area agencies who need the water. This is the typical case initially where YVWD and the City of Banning are taking only a portion of their allocation. As a result BCVWD has been taking about 7000 AFY or more of SPW. That extra 4,000 AFY or so is almost enough to offset the difference between supply and demand shown in Table 5-12 with the remaining coming from the District's groundwater storage account.

Gradually as YVWD, City of Banning and other Agencies begin to grow and take more Pass Agency water, BCVWD's annual amount of SPW will gradually decrease. This will be occurring over the next 5 possibly 10 year period. It is imperative that during this time additional Table A water is procured and every opportunity to purchase and recharge Article 21 water and Turnback Pool water is exercised by the Pass Agency.

The Pass Agency is also recharging SPW water on their own in the spreading grounds at the mouth of Little San Geronio Creek to "help offset overdraft." The Beaumont Basin "overdraft" really no longer exists since the basin overdraft is managed by the Adjudication which has set the basin on a safe yield basis. This water could be purchased and recharge by BCVWD and the other agencies on their behalf.

### ***Critical Dry Year and 3-year Dry Period Supply***

#### **Edgar Canyon Groundwater**

The record of Edgar Canyon groundwater pumping for the period 1983 -2011 (period of maximum pumping) was analyzed as discussed in Section 4 (see Table 4-4). The results are repeated in Table 5-13.



Table 5-12 (DWR Table 32)  
BCVWD Water Demand and Supply Summary Normal Year

<b>Year</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>
<b><i>Demands</i></b>						
Potable Water Demand, AFY	9,201	10,953	11,912	13,287	14,789	16,587
Total Non-potable Demand incl GCs, AFY	1,822	1,500	2,330	2,410	2,490	2,580
Total Water Demand incl. GCs, AFY	11,023	12,453	14,242	15,697	17,279	19,167
<b><i>Sources of Water Supply</i></b>						
Edgar Canyon Groundwater, AFY	1,897	2,260	2,260	2,260	2,260	2,260
Beaumont Basin Groundwater, AFY	6,802	0	0	0	0	0
BCVWD Share of Unused Overlier Rights, AFY, based on 6000 AF Safe Yield	2,249	1,560	1,590	1,500	1,190	1,010
Overlier Forebearance of Pumping for Potable Water Supply, AFY	451	451	576	701	801	872
Overlier Forebearance of Pumping for Recycled Water Supply, AFY	0	0	780	810	840	870
Subtotal Groundwater Extractable without Replacement (Total Groundwater Available), AFY	11,399	4,271	5,206	5,271	5,091	5,012
Recycled Water, AFY	0	775	1,310	1,260	1,295	1,335
Imported Water in Non-potable Water System, AFY	0	724	1,020	1,150	1,195	1,245
Imported Water Recharged, AFY	5,727	2,316	2,020	1,890	1,845	1,795
Total Supply, AFY	17,126	8,086	9,556	9,571	9,426	9,387
Supply - Demand, AFY	6,103	-4,367	-4,686	-6,126	-7,853	-9,780
Difference as % of Supply	35.6%	-54.0%	-49.0%	-64.0%	-83.3%	104.2%
Difference as % of Demand	55.4%	-35.1%	-32.9%	-39.0%	-45.4%	-51.0%

Table 5-13  
Summary of Edgar Canyon Pumping (1983 – 2011)

Condition	Acre-ft/yr
Average Pumping	2,259
Minimum Pumping (1991) = Critical Dry Year	1,117 (49.4% of average)
Minimum 3-year Moving Average Pumping (1989-91) = 3-yr Dry Period	1,230 (54.4% of Average)

#### Beaumont Groundwater Basin

For the Beaumont Groundwater Basin, BCVWD's share of the appropriator "pool" is 6802 AFY before 2014 and zero after 2015. So BCVWD will have to rely on imported water recharge, re-allocation of unused overliar rights, forbearance water, imported water which is recharged, and water in BCVWD's storage account.

#### Re-allocation Overliar Pumping Rights

Unused overliar pumping rights are reallocated back to the appropriators according to the Adjudication. BCVWD's share is 42.51% of the total unused rights. The reallocation is based on a 5-year moving average and the amounts have been quantified for the 5-year periods in Section 4, Tables 4-8 and 4-17.

The water the overlies pump varies from year to year and are likely dependent on climate conditions. During droughts, they might be inclined to irrigate more which would reduce the amount of unused rights available for distribution. But the fact the re-allocation is based on a 5-year moving average, the impact of very dry years is tempered. For this UWMP Update, it is estimated during a dry period, the amount reallocated is 75% of average. This will be used for the critical dry period and the 3-year dry period.

#### Direct Deliveries of Potable Water to Overliers

The direct deliveries of potable water to overlies varies from year to year as the area grows and develops. The water BCVWD provides to the overlies for their development is equalized by a transfer of an equivalent amount of the overlies pumping right. So this equals out in any one year and is not expected to be impacted by droughts.

#### Direct Deliveries of Recycled Water to Golf Courses and Other Overliers

The direct deliveries of recycled water to the golf courses and other overlies varies from year to year depending on climate. The recycled water BCVWD provides to the overlies for their development and the golf courses is equalized by a transfer of an equivalent amount of the overlies pumping right. So this equals out in any one year and is not expected to be impacted by droughts.

#### State Project Water

The reliability of imported water from the SWP was discussed previously in this Section. On the average the SWP will be able to deliver 64% of a contractor's Table A amount and when considering the draft allocation agreement amongst the member agencies in the SGPWA,

BCVWD can expect 3,040 AFY on the average. This is based on simulation of the SWP operation by DWR for the period from 1922 through 2003 – over 80 years.

DWR provided annual estimates of the amount available under future development conditions on a year-by-year basis in the 2011 reliability report<sup>25</sup>. The least amount available in any one year, (critical dry year, 1977) was 10% of Table A. Adjusting for the terms of the draft Pass Area allocation agreement, BCVWD can be expected to get 470 AFY in a critical dry year.

To estimate the 3-year dry period yield of the SWP, a 3-year moving average of the annual yields was determined in the 2011 Reliability Report. The minimum 3-year moving average was 21.3% of a contractor's Table A amount. This occurred from 1990-1992. This would be 3,680 AFY for the SGPWA; BCVWD's share would be 1,000 AFY on the basis of the draft allocation agreement.

#### Recycled Water

Recycled water amounts are affected to some degree by droughts and the “use water wisely,” “conserve water” message. People are aware of their water usage inside and outside of house. They typically shorten up the shower time, make sure that only “full loads” are washed, etc. So it is reasonable to expect some reduction in indoor water use during droughts. However, there is more recycled water available from the City of Beaumont and YVWD that can be used over the year due to the seasonal variation in demand and the need to meet the maximum benefit TDS objective of 330 mg/L or less. It should be pointed out that during the critical dry year and the 3-year drought that the TDS objective will likely not be met since there is insufficient imported water available to dilute the recycled water. This may mean using more imported water in the non-potable water system during the following years to ensure compliance with the 10-year moving average.

#### Summary of Specific Years Used in the Analysis

Tables 5-14 and 5-15 show the water supply and demand summaries during a critical dry year and a 3-year dry period respectively. The tables show a deficiency based on a worst case condition. As discussed above the deficiency is not going to be as great in the initial years due to fact that not all of the Pass Agency members will be taking their full allocation of SPW, leaving the opportunity for BCVWD to purchase this water. However, as explained above, it is important to use this time to secure more Table A and other firm water supply.

During single and 3-year droughts, water will be made up with water from BCVWD's storage account. During the critical dry year; during the 3-year drought there will be reduced amounts of SPW available.

During the critical dry year there will be a small amount of imported water available but there will be a shortfall of supply ranging from 3,848 to 3,190 AFY respectively in years 2015 and 2035. This can be made up from the District's storage account which currently has 39,725 acre-ft ias of the end of 2012.<sup>26</sup> BCVWD will be managing the account to try to keep at least 1 to 2 years of total annual demand in storage.

During the 3-year drought, the shortfall is 3,460 AFY in 2015 and 3072 in 2035. This is a little less than the critical dry year and can easily be made up with water from the District's storage account.

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<sup>25</sup> State Water Project Final Delivery Reliability Report 2011 (2012). Department of Water Resources, (June).

<sup>26</sup> Beaumont Basin Watermaster (2013). 2012 Annual Report – Draft., April

Table 5-14 (DWR Table 33)  
BCVWD Water Demand and Supply Summary Critical Dry Year

<b>Year</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>
<b><i>Demands</i></b>						
Potable Water Demand, AFY	9,201	10,953	11,912	13,287	14,789	16,587
Total Non-potable Demand incl GCs, AFY	1,822	1,500	2,330	2,410	2,490	2,580
Total Water Demand incl. GCs, AFY	11,023	12,453	14,242	15,697	17,279	19,167
<b><i>Sources of Water Supply</i></b>						
Edgar Canyon Groundwater, AFY	1,897	1,117	1,117	1,117	1,117	1,117
Beaumont Basin Groundwater, AFY	6,802	0	0	0	0	0
BCVWD Share of Unused Overlier Rights, AFY, based on 6000 AF Safe Yield	2,249	1,170	1,192	1,125	893	758
Overlier Forebearance of Pumping for Potable Water Supply, AFY	451	451	576	701	801	872
Overlier Forebearance of Pumping for Recycled Water Supply, AFY	0	0	780	810	840	870
Subtotal Groundwater Extractable without Replacement (Total Groundwater Available), AFY	11,399	2,738	3,665	3,753	3,650	3,616
Recycled Water, AFY	0	1,030	1,860	1,940	2,020	2,110
Imported Water in Non-potable Water System, AFY	0	470	470	470	470	470
Imported Water Recharged, AFY	5,727	0	0	0	0	0
Total Supply, AFY	17,126	4,238	5,995	6,163	6,140	6,196
Supply - Demand, AFY	6,103	-8,215	-8,246	-9,534	-11,138	-12,970
Difference as % of Supply	35.6%	193.8%	137.5%	154.7%	181.4%	209.3%
Difference as % of Demand	55.4%	-66.0%	-57.9%	-60.7%	-64.5%	-67.7%

Table 5-15 (DWR Table 34)  
BCVWD Water Demand and Supply Summary 3-Year Drought

<b>Year</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>
<b><i>Demands</i></b>						
Potable Water Demand, AFY	9,201	109,53	11,912	13,287	14,789	16,587
Total Non-potable Demand incl GCs, AFY	1,822	1,500	2,330	2,410	2,490	2,580
Total Water Demand incl. GCs, AFY	11,023	12,453	14,242	15,697	17,279	19,167
<b><i>Sources of Water Supply</i></b>						
Edgar Canyon Groundwater, AFY	1,897	1,230	1,230	1,230	1,230	1,230
Beaumont Basin Groundwater, AFY	6,802	0	0	0	0	0
BCVWD Share of Unused Overlier Rights, AFY, based on 6000 AF Safe Yield	2,249	1,170	1,192	1,125	893	758
Overlier Forebearance of Pumping for Potable Water Supply, AFY	451	451	576	701	801	872
Overlier Forebearance of Pumping for Recycled Water Supply, AFY	0	0	780	810	840	870
Subtotal Groundwater Extractable without Replacement (Total Groundwater Available), AFY	11,399	2,851	3,778	3,866	3,763	3,729
Recycled Water, AFY	0	775	1,330	1,410	1,490	1,580
Imported Water in Non-potable Water System, AFY	0	470	1,000	1,000	1,000	1,000
Imported Water Recharged, AFY	5,727	530	0	0	0	0
Total Supply, AFY	17,126	4,626	6,108	6,276	6,253	6,309
Supply - Demand, AFY	6,103	-7,827	-8,133	-9,421	-11,025	-12,858
Difference as % of Supply	35.6%	169.2%	133.2%	150.1%	176.3%	203.8%
Difference as % of Demand	55.4%	-62.9%	-57.1%	-60.0%	-63.8%	-67.1%

## Minimum Water Supply Available During Next 3 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 5-16 presents a summary of the water supply and demand over the next 3 years (2013, 2014, 2015) based on the historic 3 year drought described previously. For the SPW supply for 2013, the allocation to each Contractor is 35%; so the Pass Agency will receive 35% of 17,300 AFY, their Table A amount. This will be 6,055 AF. It is assumed BCVWD will take 2,700 AF of that amount based on past history<sup>27</sup> shown previously in Table 4-14. For the succeeding years, it is assumed that only 1,000 AFY will be available to BCVWD, which is the average 3-year drought amount.

Recycled water is estimated to be starting in 2015 which will use a portion of the available SPW for blending to meet the maximum benefit objective of 330 mg/L in the non-potable water system. Table 5-16 shows a reduction in the amount of SPW available for recharge as a result. BCVWD will continue to pump from the temporary surplus in 2013.

Table 5-16 shows a net deficiency of supply over the next 3 years based on 3-year drought conditions continuing for years 2014 and 2015. The deficiency is projected to be just under 8,900 AF over the 3-year period. This can easily be met from the District's groundwater storage account which has 39,725 AF in storage as of the end of 2012.<sup>28</sup>

## Short-term Look-ahead at Groundwater Storage Account Balance

BCVWD's Beaumont Basin groundwater storage account had a balance of 39,725 acre-ft as of the end of 2012 per the Watermaster's 2012 Annual Report. Previously Table 5-16 showed the "supply minus demand" values for 2013 through 2015 as required. Table 5-16 was based on an estimate of the amount of imported water expected to be available in 2013 based on the 2013 DWR allocation of 35% of Table A. Years 2014 and 2015 would be typical of the "3-year drought" conditions wherein only 1,000 AFY would be available to BCVWD. For planning purposes it is useful to see how BCVWD's groundwater storage account changes during this period and up through 2020.

Two imported water scenarios were analyzed:

### Scenario 1:

A very conservative condition assuming the available imported water beyond year 2015 will be limited to 3,040 AFY which takes into account the reliability of the State Water Project and BCVWD's share of the Pass Agency's available imported water per the Draft Allocation Agreement. This scenario also assumes the Oak Valley Golf Course will not be irrigated with recycled water.

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<sup>27</sup> SWP allocations in 2008 and 2009 were 35% and 40% respectively; BCVWD imported 2,399 AFY and 2,741 AFY respectively

<sup>28</sup> Beaumont Basin Watermaster (2013). 2012 Annual Report – Draft., April

Table 5-16  
Minimum Water Supply Available Next 3 Years

<b>Year</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b><i>Demands</i></b>			
Potable Water Demand, AFY	10,381	10,667	10,953
Total Non-potable Demand incl GCs, AFY	1,500	1,500	1,500
Total Water Demand incl. GCs, AFY	11,881	12,167	12,453
<b><i>Sources of Water Supply</i></b>			
Edgar Canyon Groundwater, AFY	1,230	1,230	1,230
Beaumont Basin Groundwater, AFY	6,802	6,802	0
BCVWD Share of Unused Overlier Rights, AFY, based on 6000 AF Safe Yield	1,170	1,170	1,170
Overlier Forebearance of Pumping for Potable Water Supply, AFY	451	451	451
Overlier Forebearance of Pumping for Recycled Water Supply, AFY	0	0	0
Subtotal Groundwater Extractable without Replacement (Total Groundwater Available), AFY	9,653	9,653	2,851
Recycled Water, AFY	0	0	775
Imported Water in Non-potable Water System, AFY	0	0	470
Imported Water Recharged, AFY	2,700	1,000	530
Total Supply, AFY	12,653	10,653	46,26
Supply - Demand, AFY	472	-1,514	-7,827
Net over 3-years, AF	-8,869		

**Scenario 2:**

A likely condition wherein the amounts of imported water available to BCVWD in 2013 and 2014 is 2,700 AFY assuming the SWP 35% allocation occurs in 2013 and 2014. In 2015 it is estimated that the amount of imported water available would return to 7,000 AFY, more typical of what the District has been experiencing recently. Over the years 2015 to 2020, it will be assumed that the amount available to BCVWD will gradually decrease as the other agencies in the Pass area begin to increase their imported water amounts.

Table 5-17 presents the results of the short-term look ahead of BCVWD's groundwater storage account under the two scenarios described above. In the conservative analysis, Scenario 1, there would be 6,500 acre-ft in storage in the year 2020. It is very unlikely it will actually get this low due to the conservative assumptions. Scenario 2 represents a more likely estimate of the account balance. It shows 36 400acre-ft in storage at the end of the period. This is about 2.5

times the annual water demand. It should be pointed out that the values in Table 5-17 do not consider any captured and percolated storm flows and urban runoff or any Article 21 or Turnback Pool Water.

Table 5-17  
Summary of BCVWD Storage Account Balance to Year 2020

Year	BCVWD Storage Account Balance, AF	
	Scenario 1 – Conservative Case	Scenario 2 – Likely Case
2012	39,725	39,725
2013	40,197	42,107
2014	38,683	44,203
2015	30,856	43,431
2016	26,321	42,416
2017	21,619	41,462
2018	16,748	40,569
2019	11,710	39,737
2020	6,504	36,491

## Stages of Action in Response to Water Supply Shortages

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.

Previously in Section 5, short term water supply interruptions, primarily related to “mechanical” or “infrastructure” outages and corresponding water reduction percentages were discussed. The conditions under which these would be implemented and some examples of prohibitions under each stage were presented. Penalties and charges for excessive water use were identified.

This section is related to that presented previously, but is for extended periods of water shortages due to climatic conditions. However, the stages presented herein are the same as those presented previously in this section.

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 5-18.



Table 5-18  
Water Supply Reduction Stages and Consumption Reduction Percentages

Reduction Stage No.	1	2	3	4	4 Plus
Water Supply Shortage below "normal" long term water supply, %	20%	20%	25%	30%	50%
Reduction Expected,%	10% Voluntary	10%	20%	30%	50%

### **Stage 1**

Stage 1 occurs when 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 percent 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 printing articles in the local newspaper, distributing literature and issuing directions or instructions to its customers. Public awareness programs will also include educational conservation programs that would be introduced in the schools.

### **Stage 2**

Stage 2 occurs when the District determines voluntary water reduction goals are not being met and the declared water shortage has been in effect for two years. In this stage the District will recommend a 10 percent mandatory reduction in water use and continue its public awareness efforts. 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.

### **Stage 3**

Stage 3 occurs if the water shortage continues for four consecutive years. In this stage the District will recommend a mandatory 20 percent water use reduction from the established base year. The District will adopt a rate structure with financial incentives to encourage efficient water use. The District will also develop a plan and ordinance to enforce penalties for excessive water use and include prohibition against specific wasteful practices such as gutter flooding, open hose car washing, and driveway washdown, etc. The District will analyze the impacts of the plan on the revenues and expenditures of the District and propose measures to overcome those impacts, such as adjustments in customer rates, to help pay for additional sources of water.

### **Stage 4**

Stage 4 occurs if the declared water shortage continues for one year beyond Stage 3. In this stage the District will recommend a mandatory 30 percent water use reduction and consider stricter enforcement penalties described in the ordinance developed under Stage 3.

### ***Stage 4 Plus –Up to 50% Reduction in Water Supply***

Stage 4 Plus will be recommended if the drought continues for 1 year beyond Stage 4 and mandate a 50 percent reduction in water use and also mandate enforcing penalties to ensure compliance.

### ***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 always be provided an opportunity to comment. Their support of the water conservation stage is essential.

Section 5 contained some suggested prohibitions in water use. These should be considered for implementation during the drought stages discussed above. Additional prohibitions could be considered.

In Stage 2, it may be necessary to discontinue the use of potable water for construction water even if a permit has been issued. Recycled water may be used for construction without restriction. In Stage 3, consider banning all use of water for nonessential uses, such as new landscaping, filling fountains and pools.

### ***Penalties or Charges***

In Section 5, penalties for excessive water consumption were presented. Again these should not be implemented without a public hearing explaining the necessity.

## **Mechanism for Determining Actual Reductions in Water Use**

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. BCVWD's customer billing system retains customer water usage by billing period. These records are used to determine seasonal and annual fluctuations in water use. Since total water pumped closely approximates 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.

**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), 2013 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 2013 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 2013 Update
2. The General Manager is hereby authorized and directed to implement the various stages identified in the UWMP 2013 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

Date: 6/4/2014  
Client: Beaumont Cherry Valley  
Contact: Melissa Bender  
Contact Ph:  
Contact Email: [melissa.bender@bcvwd.org](mailto:melissa.bender@bcvwd.org)  
Artwork: xpdf  
Proof: pdf samples  
Title: Drought Letter

Billing Address:

**Target Mail**

Date: 5 days for InfoSend to produce  
Description of Duplex full color letter folded and inserted into  
Mailing: INF#10 envelope with mailing info merged to side 2

Qty	Description	Unit Price	Ext Price	Taxable
<b>Paper: # of pages</b>				
14,653	Letter- 8.5 x 11 white 60# offset	0.015	\$ 219.80	T
			\$ -	T
			\$ -	T
			\$ -	
			\$ -	

**Data Processing Print Management:**

14,653	Letter- full color simplex with merge	0.18	\$ 2,637.54	T
			\$ -	T
			\$ -	T
			\$ -	
			\$ -	

**Outgoing Envelope:**

14,653	INF-#10-BLANK-07 (with RSR message)	0.02	\$ 293.06	T
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**Remit Envelope:**

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**Folding:**

	included		\$ -	
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**Inserting:**

	included		\$ -	
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**Postage:**

14,653	First Class Presort (Approx.)	0.400	\$ 5,861.20	Est.
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Notes: RSR move update method

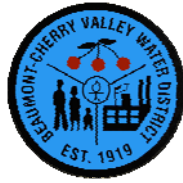
We will set-up similar to Backflow Letter format with addresses merged to the back		<b>Sub-Total:</b>	\$ 3,150.40
		<b>Tax:</b>	\$ 72.68
		<b>Set up Fee:</b>	\$ 150.00
		<b>Total (excl. Postage)</b>	\$ 3,373.07
		<b>Postage:</b>	\$ 5,861.20
		<b>Est. Total:</b>	<b>\$ 9,234.27</b>

Prepared By: Marla Callaghan <marla.c@infosend.com>

Date: 6/4/2014

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



**Beaumont-Cherry Valley Water District  
Regular Board Meeting  
June 11<sup>th</sup>, 2014**

**DATE:** June 4<sup>th</sup>, 2014  
**TO:** Board of Directors  
**FROM:** Eric Fraser, General Manager  
**SUBJECT:** Discussion Regarding the Board's Responsibility in Regards to Land Planning

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**Recommendation**

This staff report is provided to assist the Board of Directors in a discussion related to their land planning responsibilities.

**Background**

The information has been provided per the direction given by the Board of Directors during their discussion at the Regular Board Meeting on May 14<sup>th</sup>, 2014 related to their land planning responsibilities.

**Financial Impact**

There is no fiscal impact to the District.



**Beaumont-Cherry Valley Water District  
Regular Board Meeting  
June 11<sup>th</sup>, 2014**

**DATE:** June 4<sup>th</sup>, 2014

**TO:** Board of Directors

**FROM:** Eric Fraser, General Manager

**SUBJECT:** Consideration of Resolution 2014-03 A Resolution of the Board of Directors Oppose Proposed Zone Changes to the Riverside County General Plan

---

**Recommendation**

This staff report is provided to assist the Board of Directors in a discussion related to their consideration of Resolution 2014-03 A Resolution of the Board of Directors of the Beaumont-Cherry Valley Water District Requesting the County of Riverside Board of Supervisors Oppose Proposed Zone Changes to the Riverside County General Plan.

**Background**

The information has been provided per the direction given by the Board of Directors during their discussion at the Regular Board Meeting on May 14<sup>th</sup>, 2014 related to the Gateway Project.

**Financial Impact**

There is no fiscal impact to the District.

**RESOLUTION 2014-03**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE BEAUMONT-CHERRY VALLEY WATER DISTRICT  
OPPOSE PROPOSED ZONE  
CHANGES TO THE RIVERSIDE COUNTY GENERAL PLAN**

**WHEREAS**, Shopoff Realty Investments has made application to the County of Riverside to change the zoning of the current general land plan and seek permits to construct a distribution warehouse consisting of more than 2.5 million square feet, commonly known as the "I-10 Gateway Center" (warehouse project), and

**WHEREAS**, the project property is currently zoned low density residential and is similar in nature to the surrounding area of other low density and rural properties without any nearby surrounding industrial zones; and

**WHEREAS**, the local citizens held meetings and worked with county staff to designate this area as low density residential when the county updated its master plan; and

**WHEREAS**, Riverside County Supervisor Marion Ashley is elected to represent the citizens of Division 5, and in his wisdom convened a committee of area citizens to evaluate the feasibility of a zone change from its current low density residential status; and

**WHEREAS**, after receiving presentations from Shopoff Realty Investments representatives and public input from citizens of the area, the committee determined that the proper course of action is to leave the general plan unchanged and avoid "spot zone" changes with it's accompanied problems, and

**WHEREAS**, other areas in Riverside County are already zoned for this type of project and the Shopoff Realty Investments group is free to pursue their project in these zones, and

**WHEREAS**, the Board of Directors has heard public comments and received complaints from its ratepayers concerning the proposed zone change, and

**WHEREAS**, the District serves residents of Beaumont, Cherry Valley and adjacent areas.

**NOW, THEREFORE**, the Board of Directors of the Beaumont-Cherry Valley Water District hereby resolves to oppose proposed zone changes to the Riverside County general plan that adversely affect its ratepayers in these matters.

**ADOPTED**, This 11th day of June, 2014

ATTEST:

\_\_\_\_\_  
Ryan Woll, President of the  
Board of Directors of the  
Beaumont-Cherry Valley Water District

\_\_\_\_\_  
Daniel Slawson, Secretary to the  
Board of Directors of the  
Beaumont-Cherry Valley Water District



**Beaumont-Cherry Valley Water District  
Regular Board Meeting  
June 11<sup>th</sup>, 2014**

**DATE:** June 5<sup>th</sup>, 2014

**TO:** Board of Directors

**FROM:** Eric Fraser, General Manager

**SUBJECT:** Discussion of Grand Avenue Storm Drain Project and Request for Board Direction Regarding Continued Project Development

---

**Recommendation**

This item is provided to update the Board of Directors with recent project developments regarding the BCVWD and Riverside County Flood Control & Water Conservation District (RCFC&WCD) Project identified as the proposed Grand Avenue Storm Drain and Water Conservation Project.

Staff also requests direction from the Board of Directors regarding the Board's desire for staff's continued development of the proposed Grand Avenue Storm Drain Project.

**Background**

In 2012, BCVWD approached Riverside County Flood Control & Water Conservation District with a conceptual storm water capture (conservation) project which entails diverting water tributary to Marshal Creek to the District's Noble Creek Recharge Facilities – Phase II Ponds. A component of this project requires the discharge of any additional storm water flow which could not be recharged at the BCVWD facilities (i.e. recharge ponds are full) into the Noble Creek Storm Drain Channel. BCVWD proposed this project be accomplished via the construction of (storm drain) Line 16 identified in RCFC&WCD's Master Drainage Plan for the Beaumont Area, dated July 1983, with a revised discharge point into Noble Creek Storm Drain Channel adjacent to the BCVWD Recharge Facilities in lieu of the planned discharge point into Marshal Creek at the intersection of Brookside Avenue and Cherry Avenue.

RCFC&WCD identified they felt the project had merit and subsequently provided a letter on July 8, 2013 to the BCVWD identifying that this project was budgeted for construction by RCFC&WCD and that RCFC&WCD had appropriated \$1,500,000 toward the construction of the project in their 5-Year Capital Improvement Plan. RCFC&WCD additionally identified they estimated the total project cost to be \$2,538,000.

During project development over the last year, RCFC&WCD has identified (via hydrology and hydraulic modeling) that an 800' portion of the Noble Creek Storm Drain Channel directly upstream of that channel's crossing of Beaumont Avenue is deficient regarding its hydraulic capacity (storm water carrying capacity) and that unless it is improved, the channel does not currently have the capacity (upstream of the Beaumont Avenue crossing) to carry the remaining storm water flow that may be generated by diverting the Line 16 flows away from Marshal Creek.





After various discussions between BCVWD and RCFC&WCD, RCFC&WCD has identified that at this time (and subject to their Board approval), they are willing to construct Line 16, improve the deficient portion of the Noble Creek Storm Drain Channel by installing additional flood walls, and will agree to the connection of Line 16 to the Noble Creek Storm Drain Channel for discharge of the remaining storm waters which can't be recharged if the BCVWD will enter into an agreement that indemnifies RCFC&WCD from the following items:

1. Damage to downstream property owners from the point of connection of Line 16 that may occur due to the increased storm water flow attributable to the diversion of water from Marshal Creek to Noble Creek due to this facility. It should be noted that RCFC&WCD identifies that hydraulic modeling of the downstream portions of Noble Creek (south of Beaumont Avenue to San Timoteo Creek) shows that the existing channel has the hydraulic capacity to carry the additional water added by diverting Line 16.
2. Water Right claims by parties downstream of the diversion. BCVWD staff has identified Noble Creek and Marshal Creek confluence (combine) approximately 3 miles downstream of the point where the planned diversion would take place. The area within that 3 mile zone contains primarily channelized storm water courses through the City of Beaumont where no water rights issues related to the diverted storm water flows should be present. Due to this fact, it appears there should be no issue related to water right claims.

At this time it is District staff's opinion that this project warrants further development and that this project will provide benefit to the community served by the BCVWD for the following reasons:

1. Provides offset of BCVWD's dependency on imported water.
2. Provides development of local water resources by capturing of storm water resources otherwise lost to the local community which runs off and leaves the Beaumont Basin via San Timoteo Creek.
3. Provides for reduction of storm water nuisances created by these waters at Brookside Avenue between Cherry Avenue and Bellflower Avenue.

Finally, prior to recommending that the Board of Directors enter into an agreement indemnifying RCFC&WCD from damages associated with the diverted flows, District staff will investigate RCFC&WCD's hydrology and hydraulic calculations and modeling to understand BCVWD's actual exposure this indemnification may create. Staff anticipates actual exposure due to the contribution of this storm water may not be significant and that said contribution will to some degree be offset by storm water drainage from approximately 50 acres that were tributary to Noble Creek Storm Drain Channel in this area which are now diverted into the Noble Creek Recharge Facilities –Phase I as part of an existing storm water capture program.

Once again, Staff requests direction from the Board of Directors regarding the Boards desire regarding continued development of the proposed Grand Avenue Storm Drain Project, with the understanding of the indemnification requirements that will be imposed by RCFC&WCD as part of the project.



### **Financial Impact**

The Grand Avenue Storm Drain Project financial impacts are undetermined at this time and will be presented to the Board of Directors once the final specific project components are identified. That presentation would include a breakdown of those components which will be funded by RCFC&WCD and by BCVWD.

Report prepared by: Dan Jagers, Director of Engineering



**Beaumont-Cherry Valley Water District  
Regular Board Meeting  
June 11<sup>th</sup>, 2014**

**DATE:** May 8<sup>th</sup>, 2014

**TO:** Board of Directors

**FROM:** Eric Fraser, General Manager

**SUBJECT:** Consideration of Annexation of Parcel for ASM Beaumont Business Center Development (located South of State Route 60/West of Potrero Road) and Approval of Water Service "Will Serve Letter"

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### **Recommendation**

Consider approval of annexation of the ASM Beaumont Business Center Development, Riverside County Assessor's Parcel No. (APN) 421-020-003 and provide water service ("Will Serve Letter") to the proposed Development.

This Development occupies one of four properties related to the original Hidden Canyon II Development which was brought to the Board for consideration on November 14, 2012 and tabled at that time until the completion of the District's 2013 Urban Water Management Plan (UWMP) Update. Said 2013 UWMP Update was completed in July 2013.

The Project is still subject to final City of Beaumont approval regarding the proposed land use change (once annexed into the City) and conformity with CEQA. In the event the project does not obtain approval, CEQA conformity, or there is an increase in proposed water use, the Project will be required to be re-submitted to the Board of Directors of the Beaumont-Cherry Valley Water District for re-approval.

In the event the requested annexation and the will serve letter are approved, said "Will Serve Letter" will stipulate the proposed water supply for the ASM Beaumont Business Center Development shall not exceed 22,000 gallons per day (22.41 acre feet per year or 34 Equivalent Dwelling Units) demand.

### **Background**

The Applicant (Applied Planning, Inc.) has requested annexation to the District service area and water service for approximately 36.58 gross acres of land which is a part of the Hidden Canyon II project described above. The attached Figure 1.3-1 identifies the revised projects regional location, Figure 1.3-2 identifies the proposed ASM Beaumont Business Center Development, Figures 1.3-3 and 1.4-1 identify the project area as it relates to the original Hidden Canyon II project, and Figure 1.4-2 presents the planned building development for the project site.

The ASM Beaumont Business Center Development consists of a part of the Hidden Canyon II Development which is identified in an approved Mitigated Negative Declaration Document (MND, State Clearinghouse No. 2007091141) which was adopted by the City in January of 2008.



The ASM Beaumont Business Center project area is comprised of the parcel identified by Riverside County as Assessor's Parcel Number (APN) 421-020-003 which is 36.58 acres and includes approximately 24.31 acres available for the proposed development. The remaining 12.57 acres is designated as Caltrans right-of-way, and is located south west of and adjacent to the proposed Potrero Boulevard and State Route 60 interchange.

The Applicant proposes that the City of Beaumont and the District concurrently annex the ASM Beaumont Business Center property to both entities and has prepared preliminary annexation and plan of service documents which upon Board approval will require the District's General Manager's review, approval, and signature.

The ASM Beaumont Business Center Project provides for the development of a 500,000 square foot commercial/industrial use facility.

Information provided by the Applicant for the development identifies the proposed water system demands for the proposed 500,000 square foot commercial/Industrial facility is 22.41 acre feet per year or approximately 34 EDU's as defined by the District (580 gallons per day per EDU).

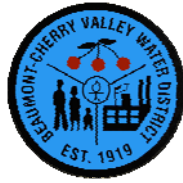
Upon Board approval, District staff will assist the Applicant with completing preparation of the annexation documentation to the satisfaction of the District and as required for the concurrent City/District Annexation.

District staff will also prepare a "Will Serve Letter" which will include a maximum water supply stipulation to the ASM Beaumont Business Center project not to exceed the equivalent of 22,000 gallons per day or 34 EDU's.

Said "Will Serve Letter" will also identify that the District recognizes that the Project is still subject to final City approval regarding the proposed land use change (once annexed into the City of Beaumont) and conformity with CEQA. Said "Will Serve Letter" will also stipulate that in the event the project does not obtain City approval as described herein, CEQA conformity, or there is an increase in proposed water use, the Project will be required to be re-submitted to the Board of Directors of the Beaumont-Cherry Valley Water District for re-approval.

Staff further identifies that another previous request for annexation of these properties (together with additional parcels identified as APN's 421-030-003, 004, and 005) was twice presented to the Board of Directors at the July 9, 2008, Regular Board Meeting and subsequently at the September 10, 2008, Regular Board Meeting. The request for annexation was tabled at the first meeting until a water supply assessment could be provided. The request was again tabled at the second meeting. The Board's direction to the General Manager and the District Engineer at that time was to update the Urban Water Management Plan (UWMP) and the 1994 District's Master Plan and bring back said items to the Board for consideration. At this time, work related to the 2013 UWMP Update has been completed and accepted. The Master Plan Update is still in progress and has not been completed or accepted. However, based on the estimated water demand of 34 EDUs, overall impact to the District is minimal and will be mitigated through the conditions of approval identified in the facilities agreement and as described hereafter.

The total new water demand required by the project will be approximately 34 EDUs. This new water demand to the local water supply will need to be provided by imported water via the San Geronio Pass Water Agency and new non-potable water resources available from YVWD or possibly the City of Beaumont.



## **Conditions;**

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

1. The Applicant shall enter into a water facilities extension agreement and pay all fees associated with the domestic and non-potable water services for the development. The Applicant shall also pay all fees related to new fire service facilities including any facilities improvements that may be necessary to meet the fire flow requirements.
2. The Applicant shall pay front footage fees along all property frontages where facilities are currently installed.
3. The Applicant shall extend existing facilities along all property frontages where facilities are planned but not currently installed.
4. The Applicant shall connect to the recycled water system for irrigation supply. To minimize the use of potable water, the District requires the applicant conform to the City of Beaumont Landscaping Ordinances and Zoning Requirements and/or County of Riverside Landscaping Ordinances (as applicable) which pertains to water efficient landscape requirements and the following:
  - a. Landscaped areas which have turf shall have "smart irrigation controllers" which use Evapotranspiration (ET) data to automatically control the watering. Systems shall have an automatic rain sensor to prevent watering during and shortly after rainfall and automatically determine watering schedule based on weather conditions, and not require seasonal monitoring changes. Orchard areas, if any, shall have drip irrigation.
  - b. Landscaping in non-turf areas should be drought tolerant consisting of planting materials. Irrigation systems for these areas should be drip or bubbler type.
5. The Applicant shall prepare separate water improvement plans and non-potable water improvement plans for the project as well as required water main and non-potable water main pipeline extensions in accordance with current District Standards showing all required domestic water system and non-potable water system improvements. Said plans shall be approved by the District prior to construction.
6. The Applicant shall conform to all District requirements and all City of Beaumont requirements.

## **Financial Impact**

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

Report prepared by: Dan Jagers, Director of Engineering



NOT TO SCALE

Source: Applied Planning, Inc.



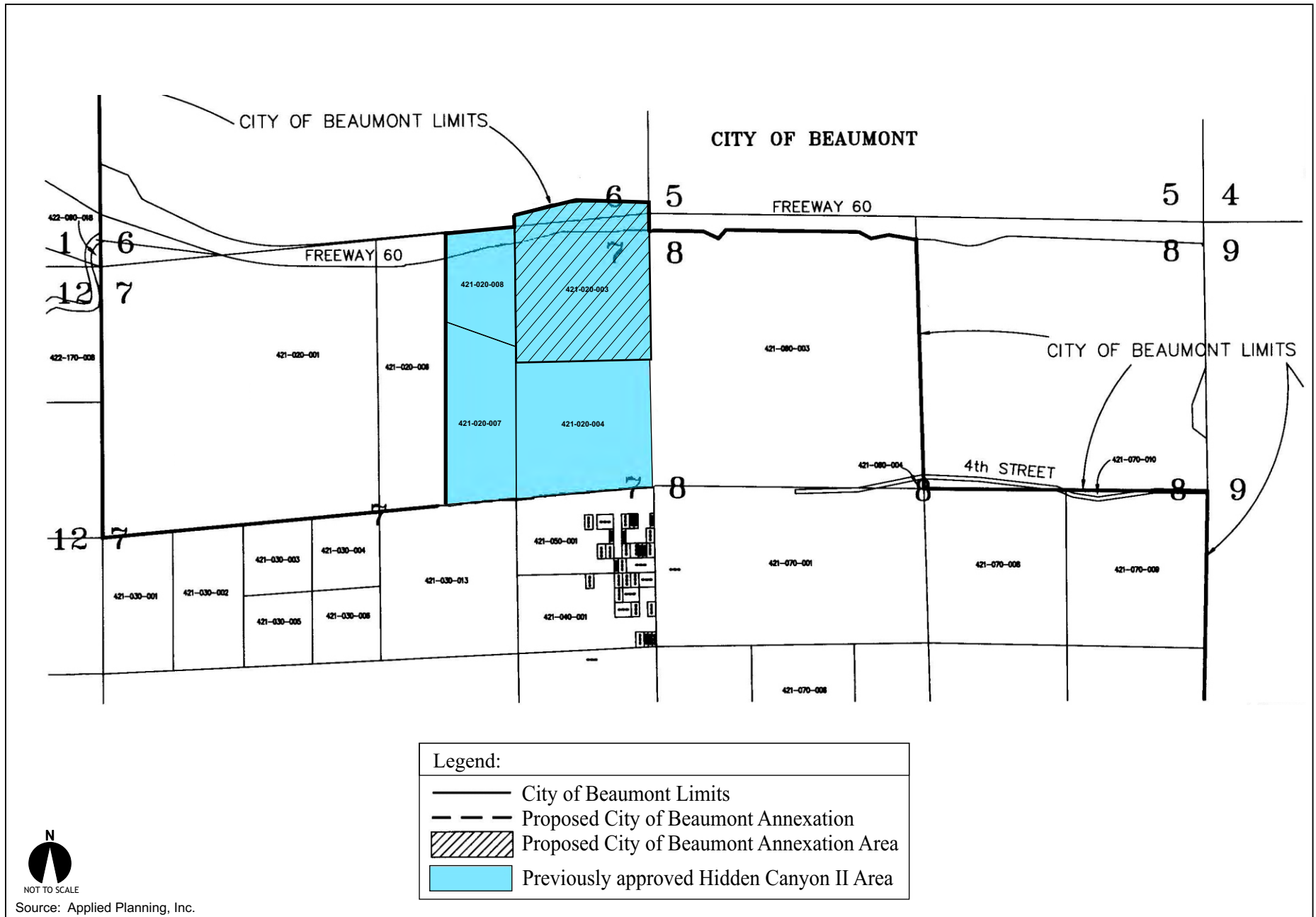


NOT TO SCALE

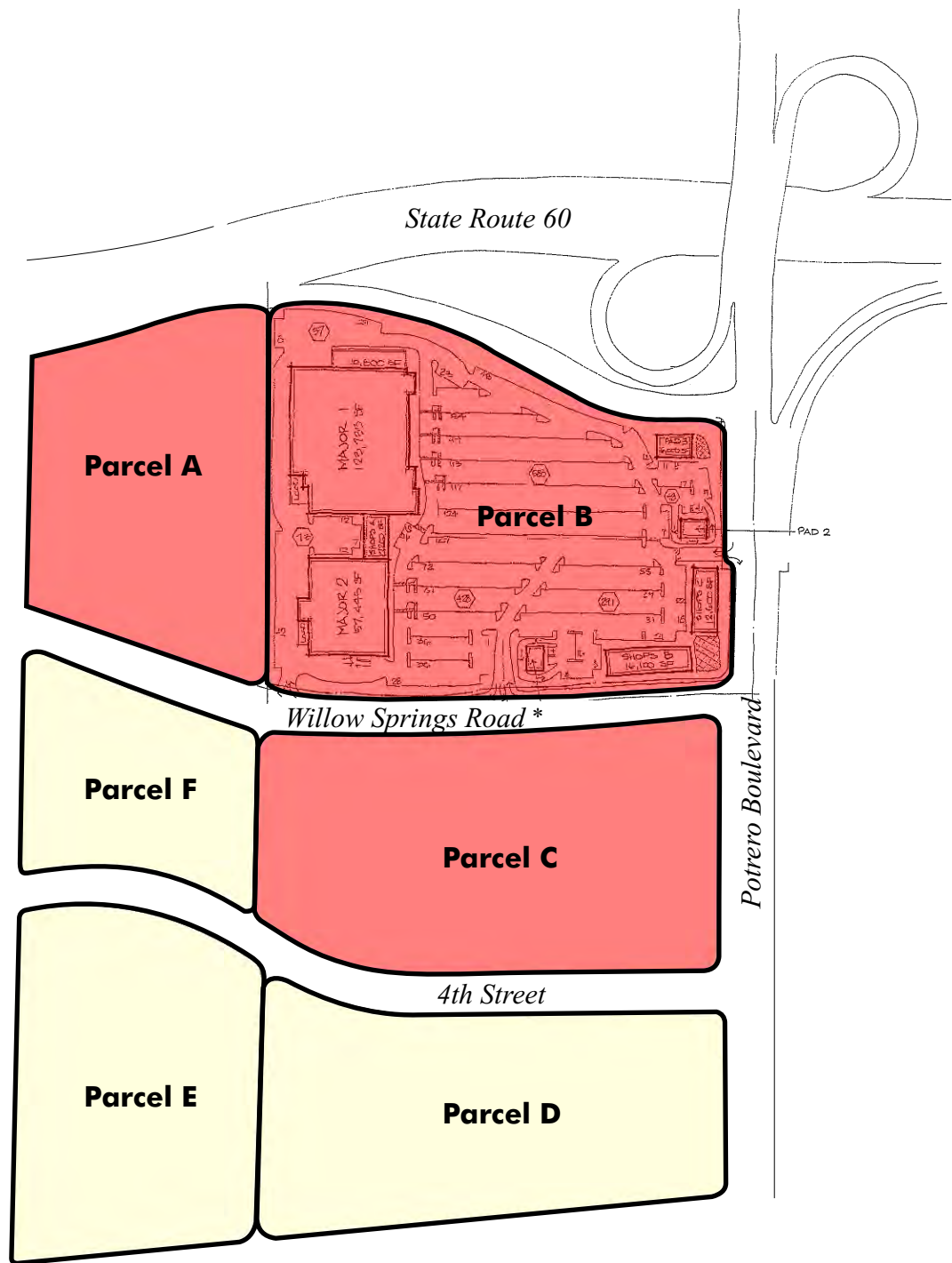
Source: Google Earth; Applied Planning, Inc.



Figure 1.3-2  
Annexation Area Vicinity





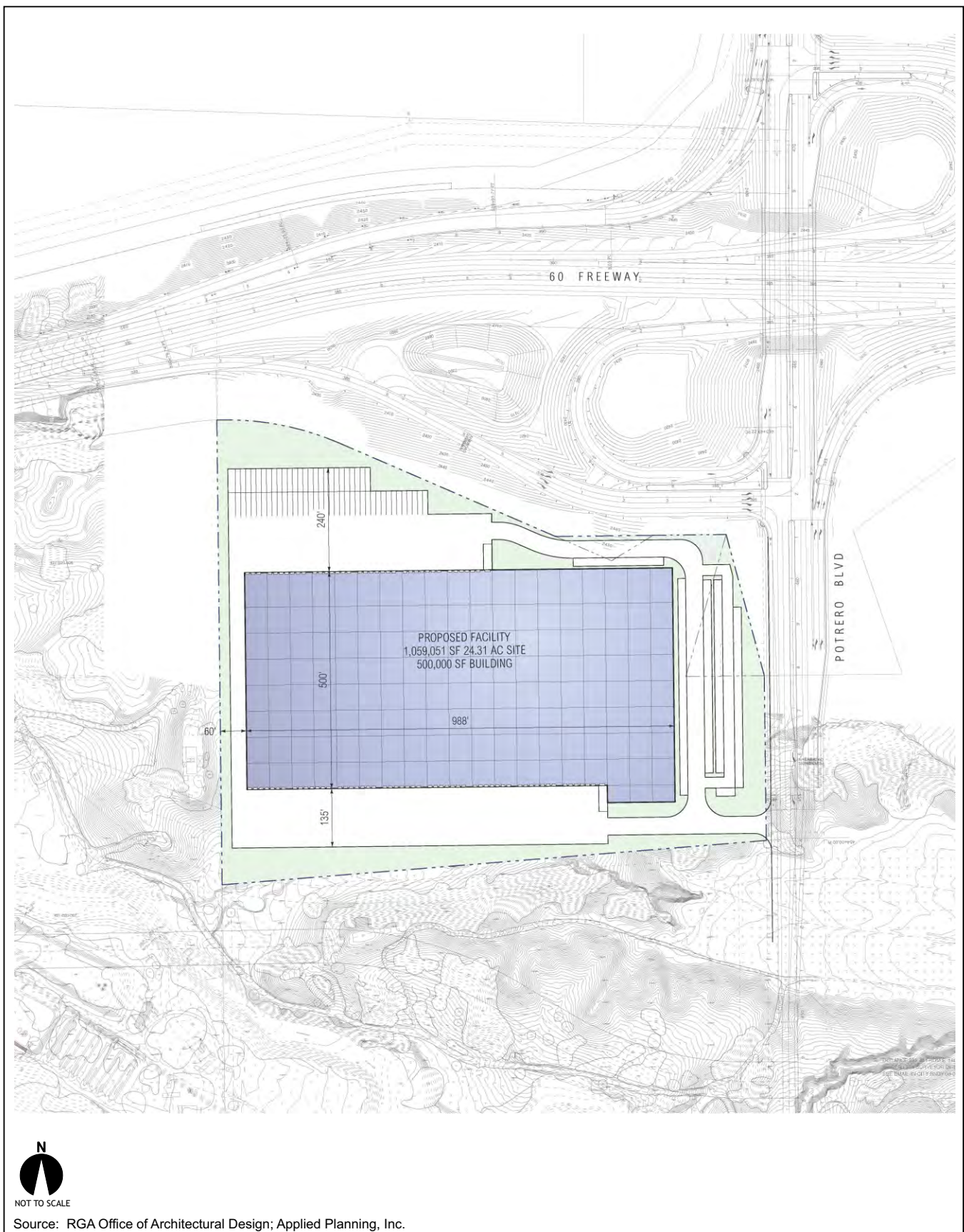


\* Note: When this conceptual plan was approved by the City, Willow Springs Road was planned as a second east-west connector through the Hidden Canyon II Specific Plan. The City's Circulation Element has since been revised, and only 4th Street will traverse the site. Future development plans will be adjusted accordingly.



NOT TO SCALE

Source: St. Clair-Meyers Partners; Applied Planning, Inc.





**Beaumont-Cherry Valley Water District  
Regular Board Meeting  
June 11<sup>th</sup>, 2014**

**DATE:** May 8<sup>th</sup>, 2014

**TO:** Board of Directors

**FROM:** Eric Fraser, General Manager

**SUBJECT:** Consideration of Annexation of Parcels for Revised Hidden Canyon II Development (located South of State Route 60/West of Potrero Road) and Approval of Water Service "Will Serve Letter"

---

**Recommendation**

Consider approval of annexation of the revised Hidden Canyon II Development, Riverside County Assessor's Parcel No.'s (APN) 421-020-007 and 421-020-008 and provide water service ("Will Serve Letter") to the proposed Development.

This Development occupies two of four properties related to the original Hidden Canyon II Development which was brought to the Board for consideration on November 14, 2012 and tabled at that time until the completion of the District's 2013 Urban Water Management Plan (UWMP) Update. Said 2013 UWMP Update was completed in July 2013.

The Project is still subject to final City of Beaumont approval regarding the proposed land use change (once annexed into the City of Beaumont) and conformity with CEQA. In the event the project does not obtain approval, CEQA conformity, or there is an increase in proposed water use, the Project will be required to be re-submitted to the Board of Directors of the Beaumont-Cherry Valley Water District for re-approval.

In the event the requested annexation and the will serve letter are approved, said "Will Serve Letter" will stipulate the proposed water supply for the revised Hidden Canyon II Development shall not exceed 8,700 gallons per day (9.75 acre feet per year or 15 Equivalent Dwelling Units) demand.

**Background**

The Applicant (David Golkar of Excer, LLC.) has requested annexation to the District service area and water service for approximately 40.68 gross acres of land which is a part of the original Hidden Canyon II project described above. The attached Figure 1.3-1 identifies the revised annexation location and Figure 1.3-2 identifies the revised annexation boundary.

The revised Hidden Canyon II Development consists of a part of the original Hidden Canyon II Development which is identified in an approved Mitigated Negative Declaration Document (MND, State Clearinghouse No. 2007091141) which was adopted by the City in January of 2008.



The revised Hidden Canyon II project area is comprised of the parcels identified by Riverside County as Assessor's Parcel Numbers (APNs) 421-020-007 and 421-020-008 which is 40.68 acres gross. The northern most portion of APN 421-020-008 includes an area which is designated as Caltrans right-of-way.

The Applicant proposes that the City of Beaumont and the District concurrently annex the revised Hidden Canyon II property to both entities and has prepared preliminary annexation and plan of service documents which upon Board approval will require the District's General Manager's review, approval, and signature.

The revised Hidden Canyon II Project provides for the development of 150,000 square feet of commercial development on the areas north of the proposed alignment of 4<sup>th</sup> Street and a parking lot on the areas south of the proposed alignment of 4<sup>th</sup> street. District staff understands that the parking area will be utilized as additional parking for the industrial/warehouse buildings associated with the proposed Hidden Canyon Development previously annexed into the District. The Hidden Canyon Development is located directly west of the Hidden Canyon II development.

Information provided by the Applicant for the development identifies the water system demands for the proposed 150,000 square foot commercial development and parking lot is 9.75 acre feet per year or approximately 15 EDU's as defined by the District (580 gallons per day per EDU).

Upon Board approval, District staff will assist the Applicant with completing preparation of the annexation documentation to the satisfaction of the District and as required for the concurrent City/District Annexation.

Staff further identifies that another previous request for annexation of these properties (together with additional parcels identified as APN's 421-030-003, 004, and 005) was twice presented to the Board of Directors at the July 9, 2008, Regular Board Meeting and subsequently at the September 10, 2008, Regular Board Meeting. The request for annexation was tabled at the first meeting until a water supply assessment could be provided. The request was again tabled at the second meeting. The Board's direction to the General Manager and the District Engineer at that time was to update the Urban Water Management Plan (UWMP) and the 1994 District's Master Plan and bring back said items to the Board for consideration. At this time, work related to the 2013 UWMP Update has been completed and accepted. The Master Plan Update is still in progress and has not been completed or accepted. However, based on the estimated water demand of 15 EDUs, overall impact to the District is minimal and will be mitigated through the conditions of approval identified in the facilities agreement and as described hereafter.

The total new water demand required by the project will be approximately 15 EDUs. This new water demand to the local water supply will need to be provided by imported water via the San Geronio Pass Water Agency and new non-potable water resources available from YVWD or possibly the City of Beaumont.

Upon Board approval, District staff will also prepare a "Will Serve Letter" which will include a maximum water supply stipulation that the revised Hidden Canyon II Development not exceed the equivalent of 8,700 gallons per day of consumption or approximately 15 EDUs.

Said "Will Serve Letter" will also identify that the District recognizes that the Project is still subject to final City approval regarding the proposed land use change (once annexed into the City of Beaumont) and conformity with CEQA. Said "Will Serve Letter" will also stipulate that in





the event the project does not obtain City approval as described herein, CEQA conformity, or there is an increase in proposed water use, the Project will be required to be re-submitted to the Board of Directors of the Beaumont-Cherry Valley Water District for re-approval.

### **Conditions;**

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

1. The Applicant shall enter into a water facilities extension agreement and pay all fees associated with the domestic and non-potable water services for the development. The Applicant shall also pay all fees related to new fire service facilities including any facilities improvements that may be necessary to meet the fire flow requirements.
2. The Applicant shall pay front footage fees along all property frontages where facilities are currently installed.
3. The Applicant shall extend existing facilities along all property frontages where facilities are planned but not currently installed.
4. The Applicant shall connect to the recycled water system for irrigation supply. To minimize the use of potable water, the District requires the applicant conform to the City of Beaumont Landscaping Ordinances and Zoning Requirements and/or County of Riverside Landscaping Ordinances (as applicable) which pertains to water efficient landscape requirements and the following:
  - a. Landscaped areas which have turf shall have "smart irrigation controllers" which use Evapotranspiration (ET) data to automatically control the watering. Systems shall have an automatic rain sensor to prevent watering during and shortly after rainfall and automatically determine watering schedule based on weather conditions, and not require seasonal monitoring changes. Orchard areas, if any, shall have drip irrigation.
  - b. Landscaping in non-turf areas should be drought tolerant consisting of planting materials. Irrigation systems for these areas should be drip or bubbler type.
5. The Applicant shall prepare separate water improvement plans and non-potable water improvement plans for the project as well as required water main and non-potable water main pipeline extensions in accordance with current District Standards showing all required domestic water system and non-potable water system improvements. Said plans shall be approved by the District prior to construction.
6. The Applicant shall conform to all District requirements and all City of Beaumont requirements.

### **Financial Impact**

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

Report prepared by: Dan Jagers, Director of Engineering



Figure 1.3-1  
Annexation Area Vicinity

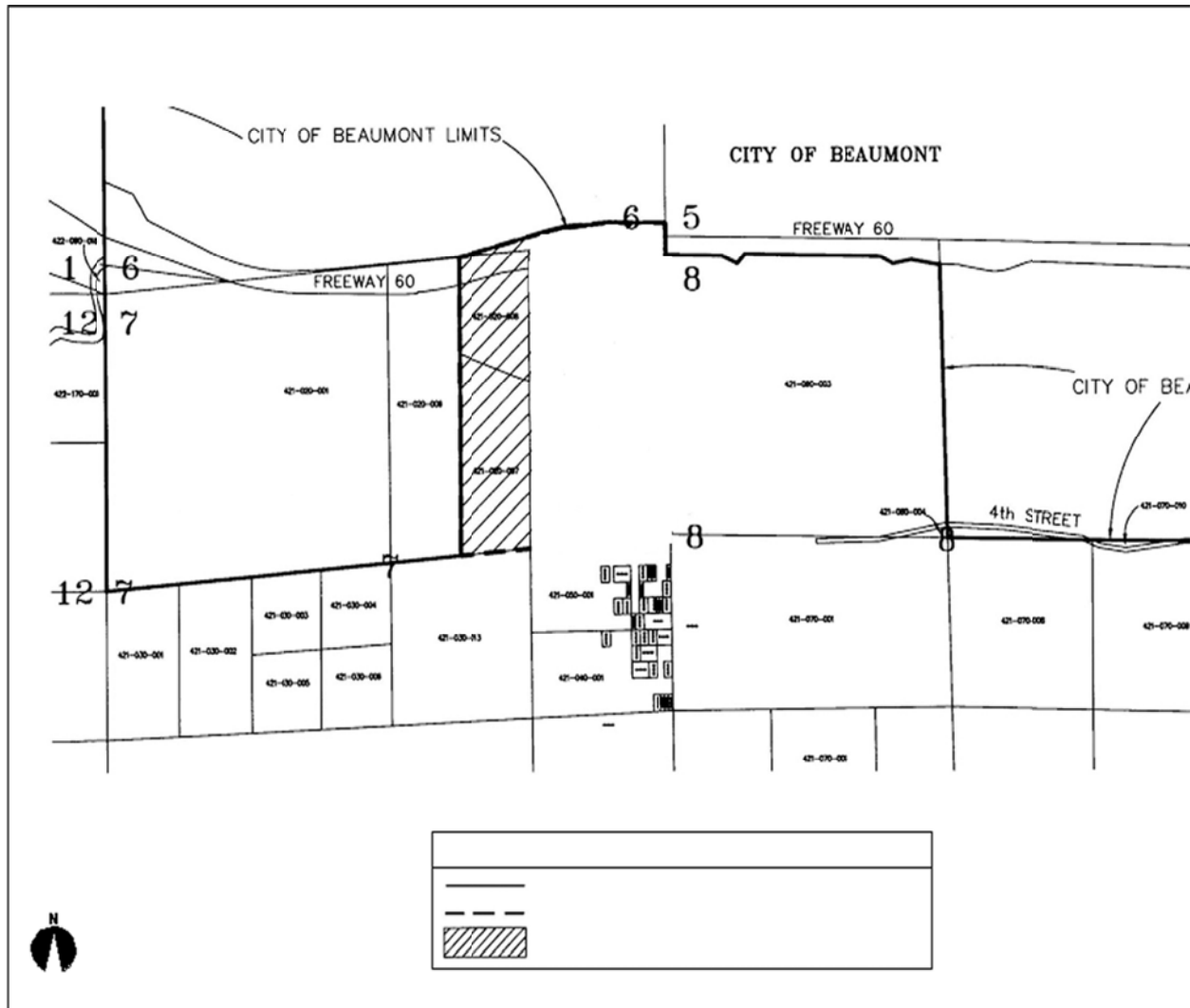


Figure 1.3-2  
Annexation Area Boundary



**Beaumont-Cherry Valley Water District  
Regular Board Meeting  
June 11<sup>th</sup>, 2014**

**DATE:** May 8<sup>th</sup>, 2014

**TO:** Board of Directors

**FROM:** Eric Fraser, General Manager

**SUBJECT:** Consideration of Approval of Water Service "Will Serve Letter" for the proposed Country Club Village Development

---

**Recommendation**

Consider approval of providing water service "Will Serve Letter" to the proposed Country Club Village Development (Development) identified herein. The proposed project is located on approximately 30 acres of undeveloped land located at the north west corner of Champion Drive and Desert Lawn Drive in the City of Calimesa.

Upon approval by the Board, the Development's "Will Serve Letter" would stipulate the proposed project water supply for the project shall not exceed 44,000 gallons per day (49.29 acre feet per year) or approximately 75.9 Equivalent Dwelling Units (EDUs) demand, say 76 EDU's.

**Background**

The Applicant (CCV Management, LLC) has requested that the District provide water service for the proposed Country Club Village Development.

The proposed Country Club Village Development consists of approximately 29.99 acres and provides for the tentative development of 60 assisted living units, 150 independent living units, 45 private and semi-private living units, 12 casitas living units, one 150 room hotel, one sit down restaurant, one café restaurant, one fast food restaurant, one theater, one 33,000 sq. ft. retail shop, one medical/urgent care facility, and miscellaneous appurtenances (i.e. laundromat, beauty salon, spa, swimming pool, etc.). See attached Figures 1 and 2 for the Development location. See the Developer's Conceptual Site Plan for configuration of the proposed Development.

The Applicant has requested that a "Will Serve Letter" be approved by the District for the 29.99 acre Development.

Specifically, the proposed Development project area is comprised of two (2) land parcels identified by Riverside County as Assessor's Parcel Numbers (APNs) 400-001-003, and 400-001-016. Based upon review of District annexation records the two (2) land parcels associated with the Development consisting of 29.99 acres, are within the District Boundary and were annexed into the District's service area under LAFCO No. 2004-48-06.





Information provided by the Applicant for the Development identifies the water system demands for the Project for the proposed facilities is approximately 44,000 gallons per day (49.29 acre feet per year) or approximately 75.9 EDUs as defined by the District (580 gallons per day per EDU). The demands identified by the Applicant have been reviewed by District staff and found to be within reason for the proposed development.

The 44,000 gallons per day demand is attributable to the potable water supply and non-potable water supply as follows:

- Potable Average Day Demand 36,000 gallons per day (40.33 acre feet per year)
- Non-Potable Average Day Demand 8,000 gallons per day (8.962 acre feet per year)

The total new water demand required by the project will be approximately 76 EDUs. This new water demand to the local water supply will need to be provided by imported water via the San Geronio Pass Water Agency and new non-potable water resources available from YVWD or possibly the City of Beaumont.

Upon Board approval, District staff will also prepare a "Will Serve Letter" which will include a maximum water supply stipulation that the Country Club Village Development not exceed the equivalent of 44,000 gallons per day of consumption or approximately 76 EDUs.

### **Conditions;**

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

1. The Applicant shall enter into a water facilities extension agreement and pay all fees associated with the domestic and non-potable water services for the development. The Applicant shall also pay all fees related to new fire service facilities including any facilities improvements that may be necessary to meet the fire flow requirements.
2. The Applicant shall pay front footage fees along all property frontages where facilities are currently installed.
3. The Applicant shall extend existing facilities along all property frontages where facilities are planned but not currently installed.
4. The Applicant shall connect to the recycled water system for irrigation supply. To minimize the use of potable water, the District requires the applicant conform to the City of Calimesa Landscaping Ordinances and Zoning Requirements and/or County of Riverside Landscaping Ordinances (as applicable) which pertains to water efficient landscape requirements and the following:
  - a. Landscaped areas which have turf shall have "smart irrigation controllers" which use Evapotranspiration (ET) data to automatically control the watering. Systems shall have an automatic rain sensor to prevent watering during and shortly after rainfall and automatically determine watering schedule based on weather conditions, and not require seasonal monitoring changes. Orchard areas, if any, shall have drip irrigation.
  - b. Landscaping in non-turf areas should be drought tolerant consisting of planting materials. Irrigation systems for these areas should be drip or bubbler type.
5. The Applicant shall prepare separate water improvement plans and non-potable water improvement plans for the project as well as required water main and non-potable water



main pipeline extensions in accordance with current District Standards showing all required domestic water system and non-potable water system improvements. Said plans shall be approved by the District prior to construction.

6. The Applicant shall conform to all District requirements and all City of Calimesa requirements.

### **Financial Impact**

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

Report prepared by: Dan Jagers, Director of Engineering

48826



# 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: <b>CCV MANAGEMENT, LLC</b>		Contact Phone #: <b>626-373-6123</b>
Mailing Address: <b>19138 E. WALNUT DR. SUITE 100</b>		Fax #:
City: <b>ROWLAND HEIGHTS, CA</b>		E-mail: <b>ATCCHANGECHANGE@GTE.COM</b>
State & Zip: <b>CALIF. 91748</b>		
Service Address: <b>CORNER OF CHAMPION DR. + DESERT LAWN DR.</b>		
Assessor's Parcel Number (APN), Tract Map No. Parcel Map No.: <b>400-010-003-8; 016-0; 017-1</b>		
Project Type: <input type="checkbox"/> Single-Family <input type="checkbox"/> Multi-Family <input checked="" type="checkbox"/> Commercial/Industrial <input type="checkbox"/> Minor Subdivision (5 lots or less) <input type="checkbox"/> Major subdivision (6+ lots) <input type="checkbox"/> Other		
Site Map Attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

The letter should be delivered to:

Recipient: <b>MR. DAN JAGGERS</b>
PLEASE CHOOSE ONE:
<input type="checkbox"/> Mail (above address) <input type="checkbox"/> E-mail
<input type="checkbox"/> Fax <input type="checkbox"/> 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

**4.28.14**  
Date

**Exser Consulting Group  
10551 Wilshire Blvd. #1103  
Los Angeles, Ca. 90024**

Mr. Eric Fraser, General Manager  
Beaumont Cherry Valley Water District  
560 Magnolia Avenue  
Beaumont, Ca. 92223

Re: Country Club Village

Dear Mr. Fraser

Exser consulting group, on behalf of CCV Management LLC. Is requesting will serve letter for the Country Club Village located at the corner of Champion Drive and Desert Lawn Drive located in the City of Calimesa. There is an existing water line with water services in Champion Drive. The water demand analysis is already submitted. The project is located within the existing Water District's boundary, therefore no annexation is required.

The project consist of 45 units of memory care, 60 units of assisted Living 162 units of Independent living which includes 12 Casitas, 150 room Hotel, 33,200 Sf. Of Retail, 30,000 Sf. Of Medical offices and 12,700 Sf of Restaurants. The project FAR is 0.34 with 410 parking spaces for the commercial uses. Please see the enclosed site plan for your reference.

We appreciate your consideration of this matter, Should you have any questions, or require additional information, please feel free to contact me.

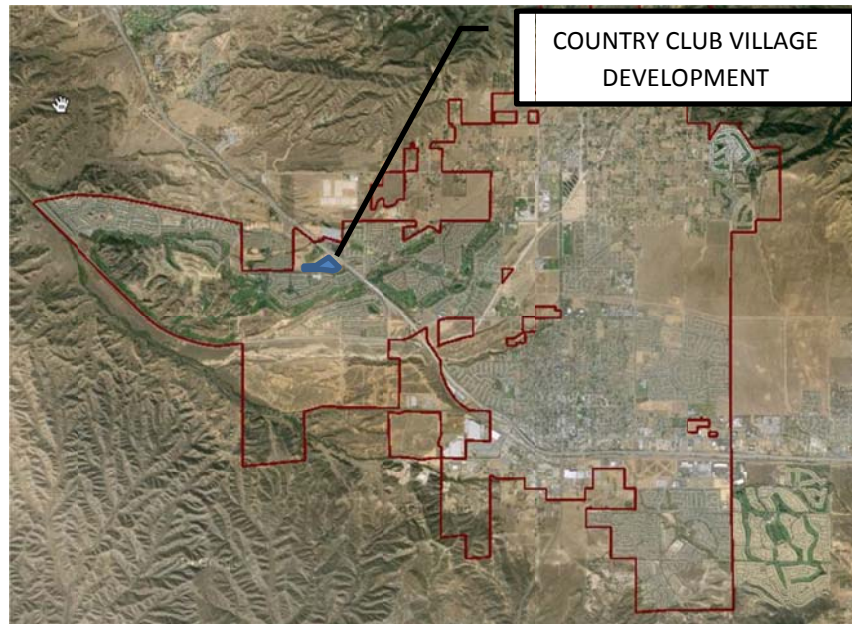
Exser Consulting Group

**David Golkar**

David Golkar, PE.

**CCV MANAGEMENT, LLC  
COUNTRY CLUB VILLAGE  
LOCATION MAPS**

**FIGURE 1 PROJECT LOCATION MAP**



**FIGURE 2 PROJECT AREA MAP**







UNIT MIX:

MEMORY CARE			
PRIVATE	450 NSF	22	
SEMI-PRIVATE	550 NSF	23	
TOTAL MC	22,550	45	

ASSISTED LIVING			
STUDIO	450 NSF	15	
1BD/1BA	650 NSF	36	
2BD/1BA	850 NSF	5	
2BD/2BA	850 NSF	4	
TOTAL AL	37,800	60	

INDEPENDENT LIVING			
STUDIO	500 NSF	37	
1BD/1BA	700 NSF	75	
2BD/2BA	900 NSF	16	
2BD/2BA CORNER	950 NSF	22	
TOTAL IL	106,300	150	

CASITAS			
2BD/2BA	1,350 NSF	12	
TOTAL CAS	16,200	12	
TOTAL	182,850	267	

BUILDING AREAS:

INDEPENDENT LIVING		
NET RENTABLE SF	106,300	
UNIT GROSS		
(EXTERIOR WALLS)	9,076	
BALCONIES	7,160	
ENTRY/CONCIERGE	825	
LIVING	893	
SECONDARY LOBBY	393	
DINING	4,036	
KITCHEN (HALF)	1,365	
CAFE	832	
ACTIVITY	832	
FITNESS	1,251	
SPA	1,251	
BEAUTY	559	
ARTS	832	
LIBRARY/COMPUTER	832	
GAME ROOM	1,669	
MULTI-PURPOSE	1,122	
THEATER	874	
SITTING AREAS (4)	1,954	
OFFICE/ADMIN	3,711	
RESTROOMS (2)	780	
STORAGE	559	
RECEIVING	1,703	
CIRCULATION		
(HALLS/ELEVS/STAIRS)	51,041	
TOTAL IL	199,850	

BUILDING AREAS:

ASSISTED LIVING		
NET RENTABLE SF	37,800	
UNIT GROSS		
(EXTERIOR WALLS)	3,054	
BALCONIES	3,240	
ENTRY/CONCIERGE	825	
LIVING	1,004	
DINING	2,350	
KITCHEN (HALF)	1,365	
CAFE	780	
ACTIVITY 1	780	
ACTIVITY 2	780	
FITNESS	1,004	
WELLNESS		
(OFFICE/CHART/MED)	500	
GAME ROOM	780	
MULTI-PURPOSE	981	
TV	780	
SITTING AREAS (4)	1,744	
OFFICE/ADMIN	1,565	
RESTROOMS (2)	712	
STORAGE	1,582	
LAUNDRY	712	
CIRCULATION		
(HALLS/ELEVS/STAIRS)	21,362	
TOTAL AL	83,700	

BUILDING AREAS:

MEMORY CARE		
NET RENTABLE SF	22,550	
UNIT GROSS		
(EXTERIOR WALLS)	1,910	
ENTRY/CONCIERGE	1,250	
LIVING	517	
DINING 1	625	
DINING 2	625	
FOOD PREP 1	400	
FOOD PREP 2	400	
ACTIVITY 1	625	
ACTIVITY 2	625	
BEAUTY	625	
BATHING 1	356	
BATHING 2	356	
WELLNESS		
(OFFICE/CHART/MED)	625	
STORAGE	1,330	
CIRCULATION		
(HALLS/ELEVS/STAIRS)	19,385	
TOTAL MC	52,204	

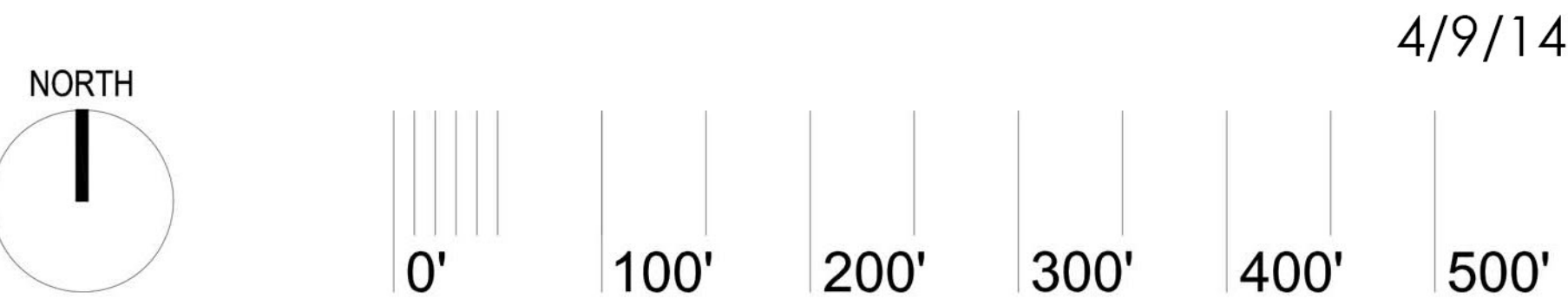
BUILDING AREAS:

CASITAS		
NET RENTABLE SF	16,200	
UNIT GROSS		
(EXTERIOR WALLS)	840	
BALCONIES	1,440	
TOTAL CASITAS	18,480	

TABULATION SUMMARY

	COMMERCIAL LAND AREA		+/- 9.37 acres	
	Area		Parking	
Hotel (150 - keys)	93,000 sf		150 cars (1car/key)	
Retail	33,200 sf		133 cars (@ 4/1000 sf)	
Restaurant	12,700 sf		127 cars (@ 10/1000 sf)	
	138,900 sf		410 cars	
FAR			0.34	

CONCEPTUAL SITE PLAN



COUNTRY CLUB VILLAGE

City of Calimesa, California  
C C V M A N A G E M E N T , L L C  
19138 E. Walnut Drive N., Suite 100  
Rowland Heights, CA 91748

STOUTENBOROUGH  
Architects and Planners  
420 Alta Vista Way, Suite 100, Laguna Beach, Ca 92651  
T 949 715 3257 | F 949 715 3256 | www.stoutenboroughinc.com



## **WATER CONSUMPTION ESTIMATES FOR COUNTRY CLUB VILLAGE PROJECT**

**CITY OF CALIMESA, CA.**

**PROJECT PROPONENT: CCV MANAGEMENT LLC**

**Introduction:** The project although is located within the City of Calimesa but will be served by the Beaumont Cherry Valley Water District and sewer service will be provided by the City of Beaumont sewerage system. The water demand estimates are conservative and mandatory water conservation practices will be utilized at the project that will assure lower water usage throughout the project.

### **Project description:**

The total project site consists of 30 acres and is located close to the City of Calimesa.

The following types of different mixed uses are tentatively planned:

1. Assisted living units- no. of planned unite 60 from single occupancy studio to 2-bedroom and 2-baths. Average water use 100 gpd/unit= 6,000 gallons per-day
2. Independent living, the total number of units of 150 from studio to 2-bedroom 2baths. Average water use 80 gpd /unit= 12,000 gallons per day
3. Private and semi private 22 and 23-units respectively, 45 units with average water use of 100 gpd/uint= 4,500 gallons perday.
4. 2-bedroom casitas 12 units at 150 gpd= 1800 gallons per day
5. One hotel with 150 rooms with average water use of 40 gpd/room= 6,000 gallons per day.
6. One sit-down restaurant with seating capacity of 60-patrons= 1,500 gpd
7. One Café and fast food= 1000 gpd
8. One theater =500 gpd
9. Retail shops 33,000ft<sup>2</sup>= 1000 gpd
10. Medical and urgent care offices= 500 gpd
11. Miscellaneous such as Laundromat, beauty saloon, spa and swimming pool = 1500 gpd.

The average daily water demand for the above is = 36,000 gpd (gallons per day)

**The project will utilize Xerospace /low water using landscaping in conformance of the California Landscape requirements.**

**As per state mandate to reduce water use by 20% by 2020 the rainfall runoff from roof will be directed for reuse on landscape areas. Runoff to the streets will be minimized to the extent it may be feasible. There is a water quality basin proposed at the site the storm water stored should be utilized to the extent it is feasible.**

**Landscaping water demand:**

**We plan to use Xerospace landscaping for the entire project and would design the project in a manner consistent with the City of Beaumont requirements. In addition as mentioned earlier in this report we plan to reuse the storm water runoff to the extent it is feasible.**

**However for water demand estimates for irrigation of shrubbery we estimate water demand to be about 20% of the inside use=  $36,000 \text{ gpd} \times 0.20 = 7,200 \text{ gpd}$**

**Therefore the total daily water demand for the project = 44,000 gallons per day, which equates to about 16 million gallons per year or about 50-acre-ft per year.**

**It is our understanding that the BCVWD in conjunction with the City of Beaumont and the Yucaipa Valley Water District has plans to utilize recycled water for all out-side beneficial uses. The project proponent intends to utilize the recycled water for irrigation needs of its project whenever and wherever it is feasible.**

**Exser Consulting Group**

**David Golkar, PE.**