

**AGENDA**  
**Borrego Water District Board of Directors**  
**Regular Meeting**  
**December 12, 2012, 9:00 a.m.**  
**806 Palm Canyon Drive**  
**Borrego Springs, CA 92004**

**I. OPENING PROCEDURES**

- A. Call to Order
- B. Pledge of Allegiance
- C. Roll Call
- D. Approval of Agenda (1-2)
- E. Approval of Minutes
  - Regular meeting of November 14, 2012 (page 3-6)
- F. Comments from Directors and Requests for Future Agenda Items
- G. Comments from the Public and Requests for Future Agenda Items (comments will be limited to 3 minutes)
- H. Correspondence: Letter from DWR (page 7)
- I. Staff Reports:
  - A. Financial Reports – November 2012 (page 8-23)
  - B. Manager / Operations Report
- J. Attorney's Report

**II. CURRENT BUSINESS MATTERS**

- A. Discussion and possible approval of the County GW Ordinance and MOA (page 25-37)
- B. Discussion and possible approval of Resolution 2012-12-01 ***RESOLUTION OF THE BOARD OF DIRECTORS OF THE BORREGO WATER DISTRICT APPROVING A PROPOSED ORDINANCE AMENDING THE SAN DIEGO COUNTY CODE RELATING TO GROUNDWATER AND MEMORANDUM OF AGREEMENT (MOA) BETWEEN THE BORREGO WATER DISTRICT AND THE COUNTY OF SAN DIEGO REGARDING WATER CREDITS*** (page 38-40)
- C. Discussion of DRAFT Water Credit Policy revisions (page 41-53)
- D. Discussion of DRAFT New Development Policy (page 54-61)
- E. Possible schedule of New Development Policy process (page 62)

**III. COMMITTEE REPORTS & PROPOSALS**

**Ad Hoc Committees**

- |  |                        |
|--|------------------------|
| 1. Audit Committee                         | (M. Brecht, L. Brecht) |
| 2. Due-Diligence                           | (M. Brecht, L. Brecht) |
| 3. Strategic Planning Committee/IRWM       | (Hart, L. Brecht)      |
| 4. Executive Committee                     | (Estep, Hart)          |
| 5. Operations & Management Committee       | (M. Brecht, Delahay)   |
| 6. Parks Committee                         | (Estep, Hart)          |
| 7. Negotiating (Rams Hill & cable antenna) | (Estep, M. Brecht)     |
| 8. New Development Committee               | (Estep, L. Brecht)     |
| 9. Asset Ad Hoc Committee                  | (Hart, M. Brecht)      |

**IV. STAFF REPORTS**

- A. Water and Wastewater Operations Report – November 2012 (page 63)
- B. Water Production/Use Records – November 2012 (page 64-67)

**V. INFORMATION ITEMS**

**VI. CLOSED SESSION**

- A. Conference with Legal Counsel - Anticipated Litigation  
Initiation of litigation pursuant to Government Code section 54956.9(c)  
(One case)
  
- B. Conference with Legal Counsel – Anticipated Litigation/Significant Exposure to Litigation  
Government Code section 54956.9(b)  
(One case)

**VII. CLOSING PROCEDURE**

The next Special Meeting of the Board of Directors is scheduled for January 15, 2013 at the Borrego Water District.  
The next Regular Meeting of the Board of Directors is scheduled for January 23, 2013 at the Borrego Water District.



**I. Staff Reports:**

**A. Financial Reports - October 2012:** Kim Pitman reported that water revenues continued to be slightly lower than usual. Approximately \$30,000 has been spent on repairs to Well 11, and the total upon completion is expected to be \$60,000 to \$70,000.

President Hart reported that the agreement with the County for the purchase of District real property had been signed, and they are awaiting approval of the September Minutes before making payment.

**B. Manager/Operations Report:** Mr. Rolwing reported on repairs to Wells 11 and 5. Representatives of the Bureau of Reclamation will visit the District on December 11 to discuss the status of the Basin Study.

**J. Attorney's Report:** None

**II. CURRENT BUSINESS MATTERS**

**A. Discussion of the DRAFT County GW Ordinance and MOA:** Ms. Foster explained that the County and the District have been trying to create conformity between their respective groundwater mitigation programs. The new draft County Ordinance provides flexibility by accepting any other legally enforceable mechanism to achieve water savings, and it appears they will accept our existing water credits.

President Hart questioned section B.1.a.ii, Ordinance page 5/Board package page 31, providing "An easement shall . . . prohibit the use. . of groundwater on the property subject to the easement, except for: . . . A subsequent project on the land subject to the easement that would require discretionary approval for the County if groundwater use reduction measures are implemented that fully offset the amount of groundwater that the proposed project would use. . ." She questioned a subsequent use of fallowed ground for a project such as a smaller residence or a solar farm.

At 9:30 a.m., Jim Bennett and Heather Lingelser from County Planning and Development Services joined the meeting by teleconference. Mr. Rolwing relayed President Hart's question concerning section B.1.a.ii. Mr. Bennett referred to the MOA, Board package page 36, section 3.a.ii, which explained that "discretionary approval by the County if groundwater use reduction measures are implemented that would fully offset the amount of groundwater that the project would use" would be an exception to the requirement for the easement to permanently eliminate the use of groundwater.

Mr. Bennett explained that the District's water credit program had been developed to address the mitigation needs of smaller projects. Discussion followed regarding a change in use on agricultural land requiring more water, for example the conversion of a potato farm to citrus. Mr. Bennett stated that under current County policy, this could be done without mitigation.

The Ordinance will be before the Board of Supervisors on January 9, and Mr. Bennett hoped to have the MOA signed by the District before then. President Hart asked that it be put on the December 12 Agenda. Ms. Lingelser noted that a second reading before the Board of Supervisors would occur on January 30, and the Ordinance would take effect 30 days thereafter.

**B. Discussion of DRAFT New Development Policy revisions:** Director Lyle Brecht summarized his research into questions that arose concerning the New Development Policy and Water Credits Policy. The Developer's Impact Fee for Water Supply is legal, but it is preferable to remove it from the New Development Policy and address it in the context of changes to the District's Water Credits Policy. The District has authority to regular groundwater in the Basin. Referring to the draft New Development Policy, Jim Engelke noted that section 2(f) on Board package page 43 should provide for the Availability Letter to be revoked unless the developer enters into contract with the District and pays all fees within one year (rather than 120 days). On Board package page 46, section 6(a), the discussion of the 5-EDU County threshold for major

subdivision sewer service should cite the California Subdivision Map Act. On Board package page 49, section 12(b), the inadvertent reference to Franklin or Marion County should be corrected.

C. Review of DRAFT Water Credit Policy revisions to conform to County GW ordinance and MOA: President Hart read a letter from Lane Sharman opposing the proposed change from 2:1 to 1:1 mitigation. Dennis Dickinson e-mailed his support for Mr. Sharman.

D. Discussion and possible approval of Agreement for Geohydrologic Consulting Services: *MSC: L.Brecht/Delahay approving the Agreement with Geoscience Support Services, Inc., subject to updating the expiration date of the Schedule of Hourly Rates (Exhibit A, now valid through December 31, 2012); and authorizing Mr. Rolwing to sign the Agreement.*

E. Discussion and possible approval of Notice of Intent to remove delinquent special tax installments from the tax roll Community Facilities District no. 2007-1 of the Borrego Water District: *MSC: L.Brecht/M.Brecht approving the Notice of Intent to remove delinquent special tax installments from the tax roll, Community Facilities District No. 2007-1 of the Borrego Water District.*

F. Discussion and possible approval of **RESOLUTION OF THE BOARD OF DIRECTORS OF THE BORREGO WATER DISTRICT ACTING AS THE LEGISLATIVE BODY OF COMMUNITY FACILITIES DISTRICT NO. 2007-1 OF THE BORREGO WATER DISTRICT ORDERING JUDICIAL FORECLOSURE OF DELINQUENT SPECIAL TAXES PURSUANT TO THE MELLO-ROOS COMMUNITY FACILITIES ACT OF 1982, AND ORDERING THAT THE TAX COLLECTOR BE CREDITED WITH THOSE SPECIAL TAXES:** *MSC: L.Brecht/M.Brecht adopting Resolution of the Board of Directors of the Borrego Water District acting as the Legislative Body of Community Facilities District No. 2007-1 of the Borrego Water District Ordering Judicial Foreclosure of Delinquent Special Taxes Pursuant to the Mello-Roos Community Facilities Act of 19982, and ordering that the Tax Collector be Credited with Those Special Taxes.*

G. Response to Board Request regarding E-Mailing Water Bills: Ms. Pitman reported that Data Stream is unable to e-mail bills. They do have a program that puts bills on the website, but it costs \$12,000 to \$15,000 to install and \$200 a month. Many bills would still have to be mailed. She encouraged customers to use ACH, and will continue to investigate other vendors.

H. Discussion regarding changing the billing period (meter reading dates): After investigation and discussion, Mr. Rolwing and the Board agreed to leave the billing period and meter reading dates as is.

### III. COMMITTEE REPORTS & PROPOSALS

#### Ad Hoc Committees

##### 1. Audit Committee

Director Lyle Brecht recommended that the Board select a 2013 auditor in December or January, and asked that a written report be included for the January workshop.

##### 2. Due-Diligence

No report.

##### 3. Strategic Planning Committee/IRWM

President Hart reported that the Committee had been working on the New Development Policy.

##### 4. Executive Committee

No report.

5. Operations & Management Committee

No report.

6. Christmas Circle Committee

This Committee will be renamed the "Park Committee."

7. Negotiating (Rams Hill & cable antenna)

No report.

8. New Development Committee

Discussed earlier in this meeting.

9. Asset Committee

President Hart announced that in the last closed session, the Board agreed to sell a parcel to the County for a tower for \$124,000.

**IV. STAFF REPORTS**

**A. Water and Wastewater Operations Report - October 2012:**

**B. Water Production/Use Records - October 2012:**

Mr. Rolwing referred to the problems with Wells 11 and 5, discussed previously. The water loss has been difficult to track due to sand in the meters but will be resolved once repairs to the wells are complete.

**V. INFORMATION ITEMS**

**A. Bloomberg Water Leadership Forum:** Director Lyle Brecht invited the Board's attention to his written summary of a Water Leadership Forum he attended recently. Items of particular interest to Borrego Springs were included.

**B. Holiday Schedule:** The 2013 District holiday schedule was included in the Board package.

**VI. CLOSED SESSION**

**A. Conference with Legal Counsel - Anticipated Litigation/Significant Exposure to Litigation; Government Code section 54956.9(b), One case:**

**B. Conference with Real Property Negotiator - Reference Government Code Section 54956.8:**

- Property: Rams Hill
- District Negotiator: Negotiating Committee
- Negotiating Parties: Bill Berkley
- Under Negotiation: Price and terms of payment

The Board adjourned to closed session at 10:55 a.m. The open session reconvened at 11:15 a.m. There was no reportable action.

**VII. CLOSING PROCEDURE**

There being no further business, the Board adjourned at 11:15 a.m. The next Regular Meeting of the Board of Directors is scheduled for December 12, 2012 at the Borrego Water District.

**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791



November 28, 2012

Mr. Jerry Rolwing  
Chair Anza Borrego Regional Water Management Group  
Anza Borrego Desert Integrated Regional Water Management  
Post Office Box 1870  
Borrego Springs, California 92004

Re-evaluation of Round 2 Planning Grant Application

Dear Mr. Rolwing:

In your comment letter dated August 16, 2012 you requested that the Department of Water Resources (DWR) revisit Anza Borrego Desert Integrated Regional Water Management (IRWM) Region's Round 2 IRWM Planning Grant Application. DWR completed the re-evaluation as requested. The re-evaluation focused on the points made in your comment letter. Upon re-evaluating those portions, DWR did find merit in some aspects of the comment; but were not sufficient to support granting Anza Borrego Desert IRWM Region's request for funding.

Although we are unable to grant planning funds to your effort at this time, DWR continues to work with Anza Borrego Desert IRWM region through efforts of our Southern Region Office and we are hopeful that you will be in a position to apply for future IRWM grants.

If you have questions regarding this letter, please contact me at (916) 651-9226 or [tracieb@water.ca.gov](mailto:tracieb@water.ca.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Tracie L. Billington".

Tracie L. Billington, P. E., Chief  
Financial Assistance Branch  
Division of Integrated Regional Water Management

**BWD CASH FLOW  
2012-2013**

	C	D	X	Y	Z	AA	AB
4	<b>BWD CASH FLOW</b>						
5	<b>2012-2013</b>		<b>ADOPTED</b>	<b>ACTUAL</b>	<b>PROJECTED</b>	<b>ACTUAL</b>	<b>YTD + PROJ MONTHS&gt;&gt;</b>
6			<b>BUDGET</b>	<b>NOVEMBER</b>	<b>NOV</b>	<b>YTD</b>	<b>PROJECTED</b>
7			<b>2012-2013</b>	<b>2012</b>	<b>2012</b>	<b>2012-2013</b>	<b>2012-2013</b>
8	<b>REVENUE</b>						
9	<b>WATER REVENUE</b>						
10	Residential Water Sales (Assume no water use on Montezoro GC)		797,310	59,742	66,064	329,852	725,551
11	Commercial Water Sales		112,548	8,446	8,453	46,815	103,866
12	Irrigation Water Sales		134,297	18,574	15,178	74,778	127,221
13	GWM Surcharge		103,204	8,434	8,786	43,836	91,765
14	Water Sales Power Portion		331,621	27,913	28,679	144,338	301,079
15	Readiness Water Charge		986,046	80,698	83,902	381,939	967,319
16	Meter Installation		0	0	0	-	-
17	Water hook-up charge		0	0	0	-	-
18	Reconnect Fees		11,000	1,020	1,000	3,060	8,800
19	Backflow Testing/Installation		5,000	0		-	5,000
20	Bulk Water Sales		3,570	0	618	4,205	6,706
21	Penalty & Interest Water Collection		32,252	1,968	2,500	6,060	25,853
22	<b>TOTAL WATER REVENUE:</b>		<b>2,516,848</b>	<b>206,796</b>	<b>215,179</b>	<b>1,034,884</b>	<b>2,363,161</b>
23		<b>Receivables</b>					<b>2,363,161</b>
24	<b>PROPERTY ASSESSMENTS/AVAILABILITY CHARGES</b>	<b>as of11/06/12</b>					
25	641500 1% Property Assessments	69,290	68,174	2,065	2,065	4,774	67,732
26	641502 Property Assess wtr/swr/flld (679 parcels \$66 ea(44,814))	42,466	24,985	2,348	2,348	2,495	25,734
27	641502/641503 Prop Assess. (Allowance for bad debt (\$458,909))	641,900	0			-	-
28	641501 Water avail Standby	97,621	78,918	8,779	8,779	9,433	78,700
29	641504 ID 3 Water Standby (361 parcels \$37.70 parcel (13,609.7))	13,610	13,609	0	0	-	11,874
30	641504 ID 3 Water Standby-(La Casa-2 parcels= \$20,150)	19,074	19,495	1,076	1,076	2,055	21,871
31	641503 Pest standby	31,323	14,183	693	693	867	14,261
32	<b>TOTAL PROPERTY ASSES/AVAIL CHARGES:</b>	<b>915,284</b>	<b>219,364</b>	<b>14,961</b>	<b>14,961</b>	<b>19,624</b>	<b>220,172</b>
33							<b>220,172</b>
34	<b>SEWER SERVICE CHARGES</b>						
35	Town Center Sewer Holder's Fees		180,144	14,274	15,012	73,582	178,666
36	Sewer user Fees (budget increase figures excludes TCS)		309,790	23,075	26,400	115,873	306,673
37	Penalty Interest-Sewer		1,200	0	100	725	1,425
38	Sewer Capacity Fees		0	0	0	-	-
39	<b>TOTAL SEWER SERVICE CHARGES:</b>		<b>491,134</b>	<b>37,348</b>	<b>41,512</b>	<b>190,180</b>	<b>486,764</b>
40							<b>486,764</b>
41	<b>OTHER INCOME</b>						
42	Rent Income-San Diego County/Antilles wireless		7,715	1,443	1,043	4,372	11,673
43	Annexation Fees		0	0	0	-	-
44	Fire Hydrant Installation		0	0	0	-	-
45	Miscellaneous Income (net csd fee/JPIA rebate)		13,000	126	120	(1,825)	8,771
46	Administrative Fee-Water Credits		1,000	0	1,000	-	-
47	Gain on asset sold -Sale of Package Plant		0	0	0	36,000	36,000
48	Sale of Clark Dry Lake Property					94,785	94,785
49	Stag Grant		0	0	0	-	-
50	Interest Income		200	5	11	67	178
51	<b>TOTAL OTHER INCOME:</b>		<b>21,915</b>	<b>1,573</b>	<b>2,174</b>	<b>133,399</b>	<b>151,407</b>
52							<b>151,407</b>
53	<b>TOTAL INCOME:</b>		<b>3,249,262</b>	<b>260,679</b>	<b>273,826</b>	<b>1,378,088</b>	<b>3,221,505</b>
54							<b>3,221,505</b>
55	<b>CASH BASIS ADJUSTMENTS</b>						
56	Decrease (Increase) in Accounts Receivable		0	10,682		(34,121)	(34,121)
57	CC Golf Equipment receivable		2,268	189	189	946	2,269
58	Other Cash Basis Adjustments - refund construction meter deposit			(850)		-	-
59	<b>TOTAL CASH BASIS ADJUSTMENTS:</b>		<b>2,268</b>	<b>10,022</b>	<b>189</b>	<b>(33,175)</b>	<b>(31,852)</b>
60							
61	<b>TOTAL INCOME RECEIVED:</b>		<b>3,251,530</b>	<b>270,700</b>	<b>274,015</b>	<b>1,344,913</b>	<b>3,189,653</b>

**BWD CASH FLOW**  
**2012-2013**

	AI	AJ	AK	AL	AM	AN	AO
4							
5	PROJECTED						
6	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE
7	2012	2013	2013	2013	2013	2013	2013
8							
9							
10	44,074	45,868	48,173	46,794	52,614	71,198	86,978
11	8,058	7,759	7,818	7,866	7,736	9,292	8,521
12	5,400	5,489	7,279	5,597	5,844	9,803	13,032
13	5,629	5,783	6,193	5,845	6,448	8,830	9,202
14	18,443	18,905	20,263	19,135	21,140	28,802	30,053
15	83,791	82,906	83,857	83,892	82,982	84,269	83,683
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	2,000	1,700	0	0	1,360	680	0
19	725	4,200	25	50	0	0	
20	0	20	350	79	482	1,470	100
21	2,386	3,300	2,884	3,732	2,638	2,853	2,000
22	<b>170,506</b>	<b>175,929</b>	<b>176,843</b>	<b>172,990</b>	<b>181,243</b>	<b>217,197</b>	<b>233,569</b>
23							
24							
25	23,944	9,562	1,024	1,907	18,581	6,672	1,267
26	3,333	9,248	1,321	891	726	6,792	927
27				0	0		
28	14,833	27,185	2,109	3,316	2,733	14,935	4,156
29	2,752	9,122	0	0			0
30	0	5,141	343	516	415	12,910	490
31	1,953	5,681	303	431	356	4,148	523
32	<b>46,815</b>	<b>65,940</b>	<b>5,100</b>	<b>7,062</b>	<b>22,811</b>	<b>45,459</b>	<b>7,362</b>
33							
34							
35	15,012	15,012	15,012	15,012	15,012	15,012	15,012
36	26,400	26,400	26,400	26,400	26,400	26,400	32,400
37	100	100	100	100	100	100	100
38	0	0	0	0	0	0	0
39	<b>41,512</b>	<b>41,512</b>	<b>41,512</b>	<b>41,512</b>	<b>41,512</b>	<b>41,512</b>	<b>47,512</b>
40							
41							
42	1,043	1,043	1,043	1,043	1,043	1,043	1,043
43	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0
45	120	120	120	9,876	120	120	120
46	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0
48							
49	0	0	0	0	0	0	0
50	11	28	11	11	28	11	11
51	<b>1,174</b>	<b>1,191</b>	<b>1,174</b>	<b>10,930</b>	<b>1,191</b>	<b>1,174</b>	<b>1,174</b>
52							
53	<b>260,007</b>	<b>284,571</b>	<b>224,629</b>	<b>232,494</b>	<b>246,757</b>	<b>305,342</b>	<b>289,617</b>
54							
55							
56							
57	189	189	189	189	189	189	189
58							
59	<b>189</b>						
60							
61	<b>260,196</b>	<b>284,760</b>	<b>224,818</b>	<b>232,683</b>	<b>246,946</b>	<b>305,531</b>	<b>289,806</b>

**BWD CASH FLOW**  
**2012-2013**

	C	D	X	Y	Z	AA	AB
4	<b>BWD CASH FLOW</b>						
5	<b>2012-2013</b>		<b>ADOPTED</b>	<b>ACTUAL</b>	<b>PROJECTED</b>	<b>ACTUAL</b>	<b>YTD + PROJ MONTHS&gt;&gt;</b>
6			<b>BUDGET</b>	<b>NOVEMBER</b>	<b>NOV</b>	<b>YTD</b>	<b>PROJECTED</b>
7			<b>2012-2013</b>	<b>2012</b>	<b>2012</b>	<b>2012-2013</b>	<b>2012-2013</b>
62	<b>EXPENSES</b>						
63							
64	<b>MAINTENANCE EXPENSE</b>						
65	R & M Buildings & Equipment		130,000	8,985	10,000	48,513	126,513
66	R & M - WWTP		60,000	11,228	5,000	13,153	48,153
67	Telemetry		15,000	0	1,000	1,328	10,328
68	Trash Removal		3,600	304	300	1,519	3,619
69	Vehicle Expense		12,000	387	300	11,756	14,556
70	Fuel & Oil		35,000	3,239	1,850	12,621	32,471
71	<b>TOTAL MAINTENANCE EXPENSE:</b>		<b>255,600</b>	<b>24,144</b>	<b>18,450</b>	<b>88,889</b>	<b>235,639</b>
72							235,639
73	<b>PROFESSIONAL SERVICES EXPENSE</b>						
74	Accounting		4,000	0	0	416	1,916
75	Administrative Services (ADP/Bank Fees)		5,000	499	420	2,349	5,243
76	Audit Fees		26,000	3,450	3,400	21,150	26,050
77	Computer billing		9,000	570	350	4,703	9,220
78	Consulting/Technical		1,500	0	0	-	500
79	Engineering		10,000	1,355	1,400	2,980	7,580
80	Legal Services		10,000	1,866	300	10,247	12,347
81	Testing/lab work		28,000	966	1,455	4,228	20,831
82	Regulatory Permit Fees		45,000	10,715	12,000	30,076	43,096
83	<b>TOTAL PROFESSIONAL SERVICES EXPENSE:</b>		<b>138,500</b>	<b>19,421</b>	<b>19,325</b>	<b>76,148</b>	<b>126,783</b>
84							126,783
85	<b>INSURANCE/INTEREST EXPENSE</b>						
86	ACWA Insurance		72,000	0	0	30,539	71,146
87	Workers Comp		19,200	0	0	4,573	18,973
88	Interest-COP 2008/Well 12 Purchase Agreement		225,072	0	0	162,634	225,072
89	<b>TOTAL INSURANCE/INTEREST EXPENSE:</b>		<b>316,272</b>	<b>0</b>	<b>0</b>	<b>197,746</b>	<b>315,191</b>
90							315,191
91	<b>PERSONNEL EXPENSE</b>						
92	Board Meeting Expense (board stipend/board secretary)		9,130	420	1,160	2,160	10,280
93	Salaries & Wages (gross)		825,000	77,190	68,750	364,680	845,930
94	Taxes on Payroll		19,251	1,733	1,196	6,101	19,743
95	Medical Insurance Benefits	+10% dec-july	223,000	17,627	17,670	88,133	222,781
96	Calpers Retirement Benefits		177,240	14,583	14,770	72,534	175,924
97	Salaries & Wages contra account		(24,000)	(330)	(2,000)	(4,420)	(18,420)
98	Conference/Conventions/Training/Seminars		7,500	1,035	275	6,027	8,251
99	<b>TOTAL PERSONNEL EXPENSE:</b>		<b>1,237,121</b>	<b>112,257</b>	<b>101,821</b>	<b>535,214</b>	<b>1,264,488</b>
100							1,264,488
101	<b>OFFICE EXPENSE</b>						
102	Office Supplies		18,000	987	1,000	10,951	17,951
103	Office Equipment/ Rental/Maintenance Agreements		26,000	1,602	2,000	14,828	29,988
104	Postage & Freight		11,000	1,029	0	4,166	10,614
105	Taxes on Property		2,300	0	0	2,150	2,150
106	Telephone/Answering Service		8,500	646	700	3,315	8,315
107	Bad Debt Collection		1,000	(60)	0	(112)	428
108	Dues & Subscriptions		5,000	260	150	955	4,795
109	Printing, Publications & Notices		1,500	0	100	747	1,647
110	Uniforms		6,500	524	540	2,716	6,516
111	Osha Requirements/Emergency preparedness		5,000	116	200	565	3,865
112	<b>TOTAL OFFICE EXPENSE:</b>		<b>84,800</b>	<b>5,105</b>	<b>4,690</b>	<b>40,281</b>	<b>86,269</b>
113							86,269
114	<b>UTILITIES EXPENSE</b>						
115	Pumping-Electricity		330,000	40,046	26,000	153,069	328,069
116	Office/Shop Utilities		16,000	1,262	1,000	8,563	16,263
117	Cellular Phone		9,000	1,501	725	3,743	9,118
118	<b>TOTAL UTILITIES EXPENSE:</b>		<b>355,000</b>	<b>42,809</b>	<b>27,725</b>	<b>165,374</b>	<b>353,449</b>
119							188,075
120	<b>TOTAL EXPENSES:</b>		<b>2,387,292</b>	<b>203,736</b>	<b>172,011</b>	<b>1,103,653</b>	<b>2,381,819</b>
121							2,381,819
122	<b>CASH BASIS ADJUSTMENTS</b>						
123	Decrease (Increase) in Accounts Payable		0	(4,283)		50,165	50,165
124	Increase (Decrease) in Inventory		0	3,514		16,982	16,982
125	<b>TOTAL CASH BASIS ADJUSTMENTS:</b>		<b>0</b>	<b>(769)</b>	<b>0</b>	<b>67,147</b>	<b>67,147</b>
126							
127	<b>TOTAL EXPENSES PAID:</b>		<b>2,387,292</b>	<b>202,967</b>	<b>172,011</b>	<b>1,170,799</b>	<b>2,448,966</b>
128							
129	<b>NET CASH FLOW (O&amp;M)</b>		<b>864,237</b>	<b>67,733</b>	<b>102,003</b>	<b>174,114</b>	<b>740,687</b>

**BWD CASH FLOW**  
**2012-2013**

	AI	AJ	AK	AL	AM	AN	AO
4							
5	PROJECTED						
6	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE
7	2012	2013	2013	2013	2013	2013	2013
62							
63							
64							
65	10,000	15,000	10,500	10,000	10,000	10,500	12,000
66	5,000	5,000	5,000	5,000	5,000	5,000	5,000
67	2,000	2,000	1,000	0	2,000	1,000	1,000
68	300	300	300	300	300	300	300
69	300	300	500	200	500	500	500
70	3,800	1,800	3,167	2,400	3,400	2,300	2,983
71	<b>21,400</b>	<b>24,400</b>	<b>20,467</b>	<b>17,900</b>	<b>21,200</b>	<b>19,600</b>	<b>21,783</b>
72							
73							
74	0	0	0	0	0	1,500	0
75	420	380	420	420	420	420	414
76	0	0	0	0	0	0	4,900
77	300	300	300	300	1,367	650	1,300
78	0	0	0	500	0	0	0
79	1,000	1,000	500	500	500	500	600
80	300	300	300	300	300	300	300
81	1,700	1,600	2,000	1,600	3,450	3,600	2,654
82	2,000	500	3,000	820	700	3,000	3,000
83	<b>5,720</b>	<b>4,080</b>	<b>6,520</b>	<b>4,440</b>	<b>6,737</b>	<b>9,970</b>	<b>13,168</b>
84							
85							
86	0	0	0	10,585	30,022	0	0
87	4,800	0	0	4,800	0	0	4,800
88	0	0	0	62,438	0	0	0
89	<b>4,800</b>	<b>0</b>	<b>0</b>	<b>77,823</b>	<b>30,022</b>	<b>0</b>	<b>4,800</b>
90							
91							
92	1,160	1,160	1,160	1,160	1,160	1,160	1,160
93	68,750	68,750	68,750	68,750	68,750	68,750	68,750
94	1,056	5,541	2,791	1,173	1,100	1,000	980
95	17,670	19,437	19,437	19,437	19,437	19,437	19,793
96	14,770	14,770	14,770	14,770	14,770	14,770	14,770
97	(2,000)	(2,000)	(2,000)	(2,000)	(2,000)	(2,000)	(2,000)
98	114	400	200	360	500	300	350
99	<b>101,521</b>	<b>108,058</b>	<b>105,108</b>	<b>103,650</b>	<b>103,717</b>	<b>103,417</b>	<b>103,803</b>
100							
101							
102	1,000	1,000	1,000	1,000	1,000	1,000	1,000
103	2,160	2,900	1,800	2,500	1,400	3,000	1,400
104	350	2,030	0	2,034	0	2,034	0
105	0	0	0	0	0	0	0
106	700	700	700	725	725	725	725
107	0	150	0	90	100	100	100
108	50	0	130	500	2,500	0	660
109	0	90	0	0	250	400	160
110	540	540	540	540	540	550	550
111	200	200	200	2,000	200	200	300
112	<b>5,000</b>	<b>7,610</b>	<b>4,370</b>	<b>9,389</b>	<b>6,715</b>	<b>8,009</b>	<b>4,895</b>
113							
114							
115	21,000	26,000	25,000	23,000	25,000	25,000	30,000
116	1,000	1,250	1,000	1,000	1,000	1,200	1,250
117	725	725	725	725	825	825	825
118	<b>22,725</b>	<b>27,975</b>	<b>26,725</b>	<b>24,725</b>	<b>26,825</b>	<b>27,025</b>	<b>32,075</b>
119							
120	<b>161,166</b>	<b>172,123</b>	<b>163,190</b>	<b>237,927</b>	<b>195,216</b>	<b>168,021</b>	<b>180,524</b>
121							
122							
123							
124							
125	0	0	0	0	0	0	0
126							
127	<b>161,166</b>	<b>172,123</b>	<b>163,190</b>	<b>237,927</b>	<b>195,216</b>	<b>168,021</b>	<b>180,524</b>
128							
129	<b>99,031</b>	<b>112,637</b>	<b>61,628</b>	<b>(5,245)</b>	<b>51,730</b>	<b>137,510</b>	<b>109,282</b>

**BWD CASH FLOW**  
**2012-2013**

	C	D	X	Y	Z	AA	AB
4	<b>BWD CASH FLOW</b>						
5	2012-2013		<b>ADOPTED</b>	<b>ACTUAL</b>	<b>PROJECTED</b>	<b>ACTUAL</b>	<b>YTD + PROJ MONTHS&gt;&gt;</b>
6			<b>BUDGET</b>	<b>NOVEMBER</b>	<b>NOV</b>	<b>YTD</b>	<b>PROJECTED</b>
7			<b>2012-2013</b>	<b>2012</b>	<b>2012</b>	<b>2012-2013</b>	<b>2012-2013</b>
130	<b>NON O &amp; M EXPENSES</b>						
131	USGS Basin study		131,035			1,182	132,217
132	GWM Planning Costs - unallocated		25,000	15	2,000	2,765	17,765
133	Integrated Regional Water Management Plan/Staff time		0			2,695	2,695
134	BOR S.E. California Regional Basin Study/Staff Time		0			-	-
135	STAG/LGA Grant/Staff time		0			923	923
136	Viking Ranch Purchase		0			-	69,000
137	Viking Ranch Purchase RESERVE		100,000			-	-
138	GWM/ABD-IRWM Legal Expenses		0			353	353
139	Water Credit Policy legal expenses		0			-	-
140	Contingency for possible well pump/motor failure		62,000	72,267	60,000	102,802	112,802
141	Rams Hill #1 1980 steel needs inside coating, 1.25mg		200,000		0	-	200,000
142	Twin Tanks, 1970's-inside coating (rescheduled into 2013-2014)		0			-	-
143	Pickup		15,000			15,500	15,500
144	ID4, Reducing Station design and installation		25,000			-	25,000
145	Circle J Drive pipeline (excludes BWD labor)		60,000			-	60,000
148	Splitter Box Concrete Repairs-VWWT	R & M	0			-	-
150	New Motor & Pump Kit for ID4-Booster Station 3	R & M	0			-	-
151	Concrete replacement-VWWT		10,000		0	-	10,000
152	Rework drying bed material-VWWT		43,000			-	43,000
153	Roof replacement for Lugo building		10,000			-	10,000
154	<b>TOTAL NON O&amp;M EXPENSES</b>		<b>681,035</b>	<b>72,282</b>	<b>62,000</b>	<b>126,220</b>	<b>699,255</b>
155							699,255
156	<b>CASH RECAP</b>						
157	Cash beginning of period		899,435	951,876	951,876	899,435	899,435
158	Net Cash Flow (O&M)		864,237	67,733	102,003	174,114	740,687
159	Total Non O&M Expenses		(681,035)	(72,282)	(62,000)	(126,220)	(699,255)
160	Transfer To/From Reserves			0		-	0
161	<b>CASH AT END OF PERIOD</b>		<b>1,082,637</b>	<b>947,327</b>	<b>991,880</b>	<b>947,328</b>	<b>940,867</b>
162				947,327			
163	<b>(Rounding)</b>			(0)			
164	<b>RESERVES</b>		<b>TARGET</b>				
165	Working Capital (3 months)		600,000				
166	Contingency (3%)		72,000				
167	Asset replacement		115,000				
168	Emergency		2,500,000				
169	Viking Ranch Purchase		100,000				
170	<b>TOTAL RESERVES</b>		<b>3,387,000</b>				
171							
172	<b>SIGNIFICANT ITEMS</b>	<b>ACTUAL</b>	<b>PROJECTED</b>				
173							
174	R & M - WWTP	11,228	5,000	Sludge removal-budgeted			
175	Fuel & Oil	3,239	1,850	Down in October			
176	Salaries	77,190	68,750	Christmas bonus-budgeted			
177	Postage & Freight	1,029	0	Projected in October			
178	Pumping-Electricity	40,046	26,000	\$7,800 - October bill			
179	Cellular Phone	1,501	725	Paid 2 bills			
180							
181							
182							
183							
184							
185	<b>Total Significant Items:</b>	<b>134,233</b>	<b>102,325</b>				

### BWD CASH FLOW 2012-2013

	AI	AJ	AK	AL	AM	AN	AO
4							
5	PROJECTED						
6	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE
7	<u>2012</u>	<u>2013</u>	<u>2013</u>	<u>2013</u>	<u>2013</u>	<u>2013</u>	<u>2013</u>
130							
131	131,035						
132	2,000	2,000	2,000	2,000	2,000	2,500	2,500
133							
134							
135							
136		69,000					
137							
138							
139							
140	10,000						
141	0	100,000	100,000				
142							
143							
144			20,000		5,000		
145			60,000				
148							
150							
151			10,000				
152		43,000					
153				10,000			
154	<b>143,035</b>	<b>214,000</b>	<b>192,000</b>	<b>12,000</b>	<b>7,000</b>	<b>2,500</b>	<b>2,500</b>
155							
156							
157	947,327	903,323	801,960	671,588	654,343	699,074	834,083
158	99,031	112,637	61,628	(5,245)	51,730	137,510	109,282
159	(143,035)	(214,000)	(192,000)	(12,000)	(7,000)	(2,500)	(2,500)
160							
161	<b>903,323</b>	<b>801,960</b>	<b>671,588</b>	<b>654,343</b>	<b>699,074</b>	<b>834,083</b>	<b>940,866</b>
162							
163							
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185							



# BORREGO WATER DISTRICT

	<b>BALANCE SHEET</b> November 30, 2012 (unaudited)	<b>BALANCE SHEET</b> October 31, 2012 (unaudited)	<b>MONTHLY</b> <b>CHANGE</b> (unaudited)
<b>ASSETS:</b>			
<b>CURRENT ASSETS</b>			
Cash and cash equivalents	\$ 947,327.32	\$ 951,876.41	\$ (4,549.09)
Accounts receivable from water sales and sewer charges	\$ 407,658.27	\$ 418,340.69	\$ (10,682.42)
Interest receivable	\$ -	\$ -	\$ -
Inventory	\$ 152,775.94	\$ 149,261.97	\$ 3,513.97
Availability charges receivable	\$ 540,457.67	\$ 540,457.67	\$ -
Allowance for uncollectable availability charges	\$ (458,909.85)	\$ (458,909.85)	\$ -
Grant Receivable	\$ -	\$ -	\$ -
Prepaid expenses	\$ 41,217.72	\$ 41,217.72	\$ -
Other Receivables	\$ 5,865.40	\$ 6,054.60	\$ (189.20)
<b>TOTAL CURRENT ASSETS</b>	<b>\$ 1,636,392.47</b>	<b>\$ 1,648,299.21</b>	<b>\$ (11,906.74)</b>
<b>RESTRICTED ASSETS</b>			
Debt Service:			
Deferred amount of COP Refunding	\$ 152,562.81	\$ 152,562.81	\$ -
Unamortized bond issue costs	\$ 105,430.03	\$ 105,430.03	\$ -
Total Debt service	\$ 257,992.84	\$ 257,992.84	\$ -
Trust fund:			
Investments with fiscal agent -CFD 2007-1	\$ 31,084.23	\$ 70,754.89	\$ (39,670.66)
Total Trust fund	\$ 31,084.23	\$ 70,754.89	\$ (39,670.66)
<b>TOTAL RESTRICTED ASSETS</b>	<b>\$ 289,077.07</b>	<b>\$ 328,747.73</b>	
<b>UTILITY PLANT IN SERVICE</b>			
Land	\$ 1,951,084.94	\$ 1,951,084.94	\$ -
Flood Control Facilities	\$ 4,319,603.58	\$ 4,319,603.58	\$ -
Capital Improvement Projects	\$ 181,778.42	\$ 181,778.42	\$ -
Sewer Facilities	\$ 5,505,105.59	\$ 5,505,105.59	\$ -
Water facilities	\$ 11,124,184.67	\$ 11,051,917.72	\$ 72,266.95
Pipelines,wells and tanks	\$ 151,699.02	\$ 151,699.02	\$ -
General facilities	\$ 1,009,059.92	\$ 1,009,059.92	\$ -
Equipment and furniture	\$ 323,754.18	\$ 323,754.18	\$ -
Vehicles	\$ 495,572.91	\$ 495,572.91	\$ -
Accumulated depreciation	\$ (10,395,326.24)	\$ (10,395,326.24)	\$ -
<b>NET UTILITY PLANT IN SERVICE</b>	<b>\$ 14,666,516.99</b>	<b>\$ 14,594,250.04</b>	<b>\$ 72,266.95</b>
<b>OTHER ASSETS</b>			
Water rights -ID4	\$ 185,000.00	\$ 185,000.00	\$ -
<b>TOTAL OTHER ASSETS</b>	<b>\$ 185,000.00</b>	<b>\$ 185,000.00</b>	
<b>TOTAL ASSETS</b>	<b>\$ 16,776,986.53</b>	<b>\$ 16,756,296.98</b>	<b>\$ 20,689.55</b>



# BORREGO WATER DISTRICT

Balance sheet continued

	BALANCE SHEET November 30, 2012 (unaudited)	BALANCE SHEET October 31, 2012 (unaudited)	MONTHLY CHANGE (unaudited)
<b>LIABILITIES:</b>			
<b>CURRENT LIABILITIES PAYABLE FROM CURRENT ASSETS</b>			
Accounts Payable	\$ 17,589.52	\$ 21,872.11	\$ (4,282.59)
Accrued expenses	\$ 168,546.07	\$ 168,546.07	\$ -
Deferred Revenue	\$ -	\$ -	\$ -
Deposits	\$ 27,571.25	\$ 28,421.25	\$ (850.00)
<b>TOTAL CURRENT LIABILITIES PAYABLE FROM CURRENT ASSETS</b>	<b>\$ 213,706.84</b>	<b>\$ 218,839.43</b>	<b>\$ (5,132.59)</b>
<b>CURRENT LIABILITIES PAYABLE FOM RESTRICTED ASSETS</b>			
Debt Service:			
Accounts Payable to CFD 2007-1	\$ 31,084.23	\$ 70,754.89	\$ (39,670.66)
<b>TOTAL CURRENT LIABILITIES PAYABLE FROM RESTRICTED ASSETS</b>	<b>\$ 31,084.23</b>	<b>\$ 70,754.89</b>	<b>\$ (39,670.66)</b>
<b>LONG TERM LIABILITIES</b>			
2008 Certificates of participation (payable from restricted assets)	\$ 2,775,000.00	\$ 2,775,000.00	\$ -
Montesoro Note Payable	\$ 695,726.52	\$ 695,726.52	\$ -
<b>TOTAL LONG TERM LIABILITIES</b>	<b>\$ 3,470,726.52</b>	<b>\$ 3,470,726.52</b>	<b>\$ -</b>
<b>TOTAL LIABILITIES</b>	<b>\$ 3,715,517.59</b>	<b>\$ 3,760,320.84</b>	<b>\$ (44,803.25)</b>
<b>FUND EQUITY</b>			
Contributed equity	\$ 9,649,544.17	\$ 9,649,544.17	\$ -
Retained Earnings:			
Unrestricted Reserves/Retained Earnings	\$ 3,411,924.77	\$ 3,346,431.97	\$ 65,492.80
Total retained earnings	\$ 3,411,924.77	\$ 3,346,431.97	\$ 65,492.80
<b>TOTAL FUND EQUITY</b>	<b>\$ 13,061,468.94</b>	<b>\$ 12,995,976.14</b>	<b>\$ 65,492.80</b>
<b>TOTAL LIABILITIES AND FUND EQUITY</b>	<b>\$ 16,776,986.53</b>	<b>\$ 16,756,296.98</b>	<b>\$ 20,689.55</b>



# BORREGO WATER DISTRICT

## Treasurer's Report November, 2012

% of Portfolio

Bank Balance	Carrying Value	Fair Value	Current Actual	Rate of Interest	Maturity	Valuation Source
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### Cash and Cash Equivalents:

Demand Accounts at WFB/BSB/LAIF

General Account/Petty Cash	\$ 834,117	\$ 734,247	\$ 734,247	77.51%	0.00%	N/A	WFB/BSB
Payroll Account	\$ 93,544	\$ 91,862	\$ 91,862	9.70%	0.01%	N/A	WFB
LAIF	\$ 20,833	\$ 20,833	\$ 20,833	2.20%	0.36%	N/A	LAIF
MMA	\$ 100,385	\$ 100,385	\$ 100,385	10.60%	0.05%	N/A	WFB
<b>Total Cash and Cash Equivalents</b>	<b>\$ 1,048,879</b>	<b>\$ 947,327</b>	<b>\$ 947,327</b>	<b>100.00%</b>			

### Facilities District No. 2007-1

First American Treas Obligation -US BANK	31,084	31,084	31,084
<b>Total Cash, Cash Equivalents &amp; Investments</b>	<b>\$ 1,079,963</b>	<b>\$ 978,412</b>	<b>\$ 978,412</b>

Cash and investments conform to the District's Investment Policy statement filed with the Board of Directors on June 27, 2012.

Cash, investments and future cash flows are sufficient to meet the needs of the District for the next six months.

Sources of valuations are Borrego Springs Bank (BSB), Wells Fargo Bank (WFB), LAIF and US Trust Bank.

Kim Pitman, Administration Manager



# BORREGO WATER DISTRICT

To: BWD Board of Directors  
From: Kim Pitman  
Subject: Consideration of the Disbursements and Claims Paid  
Month Ending November, 2012

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<b>A. Vendor disbursements paid during this period:</b>		<b>\$ 213,147.84</b>
<u>Significant items:</u>		
Utilities	\$	40,767.01
CalPERS Payments	\$	17,143.64
Employee Health Benefits	\$	18,967.61
ACWA Annual Dues-2013	\$	10,488.50
Sludge Removal/ Disposal	\$	11,210.47
<b>B. Capital Projects/Fixed Asset Outlays:</b>		
<i>(included in vendor disbursements paid above)</i>		
Well 11 Rehab	\$	25,713.47
Wilcox Repair	\$	5,120.00
Well 5 Rehab	\$	46,553.48
<b>C. Total Professional Services for this Period:</b>		
<i>(included in vendor disbursements paid above)</i>		
McDougal, Love, Eckis, Attorneys	\$	1,681.40
legal-general		
IRWM		
GWM		
<b>Total Invoice:</b>	<b>\$</b>	<b>1,681.40</b>
Procopio, Cory, Hargreaves, Attorneys	\$	185.00
<b>Total Invoice:</b>	<b>\$</b>	<b>185.00</b>
White Nelson Diehl Evans LLP- Audit FYE 2012	\$	3,450.00
<b>Total Invoice:</b>	<b>\$</b>	<b>3,450.00</b>
<b>D. Payroll for this Period:</b>		
Gross Payroll	\$	77,189.91
Employer Payroll Taxes and ADP Fee	\$	1,365.32
<b>Total</b>	<b>\$</b>	<b>78,555.23</b>

BORREGO WATER DISTRICT  
 FOR BOARD CONSIDERATION AND APPROVAL  
 NOVEMBER 30, 2012

GENERAL ACCOUNT

CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
18129	12/05/12	U.S.BANK CORPORATE PAYMENT SYS SEE INVOICES FOR DETAILS SEE INVOICES FOR DETAILS	1,843.78
18116	11/28/12	OTAY LANDFILL-4531 SLUDGE DISPOSAL	6,113.97
18117	11/28/12	ABILITY ANSWERING/PAGING SER ANSWERING & PAGING SERVICE-NOVEMBER 2012	194.53
18106	11/20/12	ASSOC OF CALIFORNIA 2013 AGENCY DUES DELTA SUSTAINABILITY ASSESS	10,488.50
18091	11/14/12	ACWA/JPIA EMPLOYEE BENEFITS PE:12/01/12-01/01/13	18,967.61
18107	11/20/12	AFLAC EMPLOYEE PAID SUPPLEMENTAL INSURANCE	1,067.90
18130	12/05/12	ALLIED WASTE SERVICES #467 3-0467-0007554 3155 HONOR COURT BASIC SERVICE 3-0467-0701-1728 4861 BORREGO SPRINGS RD 2475 STIRRUP RD BASIC SERVICE	2,783.70
18131	12/05/12	AMERICAN LINEN INC. UNIFORMS FOR CREW	524.48
18118	11/28/12	AQUATIC INSPECTIONS RAMS HILL TANK INSPECTION/CLEANING	2,275.00
18132	12/05/12	AT CONFERENCE SEE INVOICE FOR CALL DETAIL	16.12
18092	11/14/12	AT&T MOBILITY COMPANY CELL PHONES	617.87
18133	12/05/12	AT&T MOBILITY COMPANY CELL PHONES	803.27
18134	12/05/12	AT&T-CALNET 2 WWTP TELEPHONE MAIN OFFICE TELEPHONE MAINT SHOP TELEPHONE	278.99
18108	11/20/12	BRETT WEBSTER	

BORREGO WATER DISTRICT  
 FOR BOARD CONSIDERATION AND APPROVAL  
 NOVEMBER 30, 2012

CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
		REFUND OF CONSTRUCTION METER DEPOSIT	850.00
18109	11/20/12	CEB CA SUBDIVISION MAP RENEWAL	140.40
18093	11/14/12	CMS BUSINESS FORMS, INC. BILLING ENVELOPES	528.89
18119	11/28/12	DATASTREAM BUSINESS SOLUTIONS, PROGRAMMING 10/01/12-10/31/12	570.00
18135	12/05/12	JAMES G HORMUTH/DBA TRUE VALUE SEE INVOICES FOR DETAILS	295.76
18110	11/20/12	DEBBIE MORETTI PEST CONTROL ALL BWD OFFICES	113.00
18094	11/14/12	DESERT TIRE CENTER 2008 GMC-YUKON LIC#1252013CA BRAKE PADS-FRONT	187.60
18120	11/28/12	DESERT TIRE CENTER 2008 GMC CANYON LIC# 1252455-CA BASIC SERVICE	49.70
18136	12/05/12	E.S. BABCOCK & SONS, INC. WATER SAMPLES TAKEN ALL WELLS-NOVEMBER	745.00
18121	11/28/12	GEOSCIENCE SUPPORT SERVICES ON CALL-GEOHYDROLIC SERVICES THROUGH 10/31/12-WELL ID4-11	1,355.00
18137	12/05/12	GREEN DESERT LANDSCAPE MANAGEMENT FEE FOR NOVEMBER	5,210.80
18095	11/14/12	HIDDEN VALLEY PUMP SYSTEMS INC PULL PUMP & REPAIR WELL #5	46,553.48
18111	11/20/12	HIDDEN VALLEY PUMP SYSTEMS INC ROSSUM SAND TESTER	551.57
18122	11/28/12	HIDDEN VALLEY PUMP SYSTEMS INC WELL #11 REHAB WILCOX WELL REPAIR	30,833.47
18096	11/14/12	KENNY STRICKLAND, INC. FUEL FOR CREW TRUCKS	2,112.39
18123	11/28/12	KENNY STRICKLAND, INC. FUEL FOR CREW TRUCKS & WELLS	1,105.08
18097	11/14/12	KONICA MINOLTA INSTALLMENT ON BIZHUB COPIER PE:10/25/12-11/24/12	1,464.86
18098	11/14/12	MCDUGAL LOVE ECKIS PROFESSIONAL FEES	

BORREGO WATER DISTRICT  
 FOR BOARD CONSIDERATION AND APPROVAL  
 NOVEMBER 30, 2012

CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
		RENDERED THROUGH OCTOBER 31, 2012	1,681.40
18138	12/05/12	NAPA AUTO PARTS INC SEE INVOICES FOR DETAILS	143.66
18139	12/05/12	NEIL G.VAN LUVEN REFUND ON WATER ACCOUNT #01-0335-1	134.62
18099	11/14/12	PACIFIC PIPELINE SUPPLY INC INVENTORY CONTROL INVENTORY CONTROL INVENTORY CONTROL	2,823.27
18140	12/05/12	PACIFIC PIPELINE SUPPLY INC INVENTORY CONTROL	690.70
18112	11/20/12	CASH LAS VEGAS CONFERENCE GREG HOLLOWAY	275.00
18141	12/05/12	CASH REIMBURSE PETTY CASH-SEE INVOICES FOR DETAILS	300.00
18142	12/05/12	U.S.P.S. ANNUAL POST OFFICE BOX 1870 FEE	76.00
18100	11/14/12	PROCOPIO, CORY, HARGREAVES PROFESSIONAL FEES RENDERED THROUGH OCTOBER 31, 2012	185.00
18113	11/20/12	PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE BENEFITS PE:11/01/12-11/15/12	8,569.50
18143	12/05/12	PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE BENEFITS PE:11/16/12-11/30/12	8,574.14
18101	11/14/12	PITNEY BOWES/PURCHASE POWER POSTAGE FOR BILLING	1,000.00
18102	11/14/12	QUILL CORPORATION OFFICE SUPPLIES SEE INVOICE FOR DETAILS OFFICE SUPPLIES SEE INVOICE FOR DETAILS	72.31
18125	11/28/12	QUILL CORPORATION OFFICE SUPPLIES SEE INVOICE FOR DETAILS OFFICE SUPPLIES SEE INVOIC FOR DETAILS	208.54
18103	11/14/12	SAN DIEGO GAS & ELECTRIC 4785 979 020 3 3003 LOFTER DR	

BORREGO WATER DISTRICT  
 FOR BOARD CONSIDERATION AND APPROVAL  
 NOVEMBER 30, 2012

CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
		IDS-5	7,790.42
18114	11/20/12	SAN DIEGO GAS & ELECTRIC 9525 627 944 5 2989 BORREGO VALLEY RD PACKAGE PLANT 6160 624 622 9 951 RANGO WAY ID1-16 3607 425 233 9 2990 BORREGO VALLEY RD TC LIFT STATION-IDS 4785 979 020 3 3003 LOFTER DR ID5-5 6114 522 473 7 3352 BORREGO VALLEY RD ID1-12 6160 427 632 7 COUNTRY CLUB RD ID4-2 7285 625 351 8 4201 BORREGO SPIRNGS RD ID1-10 2700 523 335 7 806 PALM CYN DR OFFICE/MAINT SHOP	18,892.16
18126	11/28/12	SAN DIEGO GAS & ELECTRIC 1614 489 405 4 5037 BORREGO SPRINGS RD ID1-8 2739 492 349 3 4861 BORREGO SPRINGS RD TREATMENT PLANT 3864 202 758 1 2510 RAMS HILL DR BOOSTER STATION 1 4240 011 405 2 301 SLASH M RD COUNTRY CLUB TANK 5035 410 733 7 3528 COUNTRY CLUB RD ID4-10 8364 482 055 9 5073 BORREGO SPRINGS RD ID1-1 9489 482 054 6 5065 BORREGO SPRINGS RD ID1-2 6159 441 279 1 2473 STIRRUP RD LUGO BLDG 6954 509 423 8 STIRRUP RD OLD SHOP	

BORREGO WATER DISTRICT  
 FOR BOARD CONSIDERATION AND APPROVAL  
 NOVEMBER 30, 2012

CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
		2881 512 118 8 1111 INDIAN HEAD RANCH ID4-18 3909 503 745 7 1775 BORREGO SPRINGS RD ID4-4 9534 569 937 1 2201 DIEGUENO RD ID4-11	14,084.43
18115	11/20/12	SECAP FINANCE BIZ HUB LEASE 10/30/12-11/30/12	137.49
18144	12/05/12	CALIFORNIA SECRETARY OF STATE FILING FEE FORM SI-100	20.00
18145	12/05/12	SWRCB CERTIFICATION APPLICATION FEE FOR CODY COX WWTP OPERATOR	130.00
18104	11/14/12	VERIZON WIRELESS CELL PHONES FOR EMERGENCY USE	79.98
18127	11/28/12	WENDY QUINN RECORDING SERVICE FOR NOVEMBER 2012	90.00
18128	11/28/12	WEST COAST SAND & GRAVEL TRANSPORT SLUDGE TO LANDFILL	2,370.00
18146	12/05/12	WEST COAST SAND & GRAVEL TRANSPORT SLUDGE TO LANDFILL	2,726.50
18105	11/14/12	WHITE NELSON DIEHL EVANS LLP PROFESSIONAL FEES RENDERED THROUGH OCTOBER 29, 2012	3,450.00
		TOTAL	213,147.84



## **Borrego Water District Management Report – December 2012**

*By: Jerry Rolwing*

### **FEDERAL LEVEL**

U.S. Bureau of Reclamation: Reclamation staff will be here at 10:00 am, on December 11, 2012 to hold a workshop on the progress of the Southeast California Basin Study.

U.S. Dept. of Agriculture: FYE 2012 Audit and an updated water rate sheet have been provided to the Rural Development Staff. After their initial review, we will meet with staff on our current Capital Improvement Projects that could possibly be funded.

U.S. Geological Survey: I met with Claudia Faunt and Peter Martin at the ACWA (Asso. of California Water Agencies) conference last week and informed me that the draft document summarizing the three year study will be available to us for comment in January or February 2013. They plan on presenting the material at our annual Town Hall Meeting this spring. The report will be final before the end of 2013.

### **STATE LEVEL**

The Dept. of Water Resources (DWR) Integrated Regional Water Management Planning Grant Round #2 funding announcement was finalized last week. The Anza Borrego Desert Region was not funded (attached A).

On November 26th, I attended a Colorado River Basin IRWM Inter-regional Coordination meeting in Coachella. The DWR made a presentation that if all four groups (Coachella Valley, Imperial Valley, Mojave and Anza Borrego) submitted a group proposal that there was \$5M in round 2 to reward collaboration. In San Diego, the regional groups formed an MOU where they shared the funds for their own project outlined in their plans. Participants must have an adopted plan by summer 2013. A follow up conference call is scheduled for Dec. 13th.

### **COUNTY LEVEL**

No action to report. Amendment to the County Groundwater Ordinance and MOA (memorandum of agreement) are featured on the December 12th agenda.

### **LOCAL LEVEL**

At the recommendation of the Strategic Advisory Committee, I composed a letter of support for a project of the Steele/Burnand Desert Research Center (attached B). Included in the attachment are the program details.

### **DISTRICT LEVEL**

As per instructions by the District's geohydrologic consultant, staff performed a series of pumping tests, surging flows of well ID4-11 to develop the gravel pack throughout the perforated zones of the well. The engineer has given his approval to turn the well back into the system. The recent repair and re-development work has cost \$79,265.25. The work last year, which was the first pump work performed

on the well since it was put into service by the Borrego Springs Water Company in 1995 was \$55,887.47. Over the 16 years of production the well has pumped 8,185 acre feet and is an integral component of the ID-4 system.

Last summer I attended a presentation by the Southern California WARN program which is a consortium of southern California water and sewer agencies who agree to help out other agencies in times of emergency. After reporting the need for a "Hazard Mitigation Plan" at the September Board meeting, a local professional, Jan Naragon, offered her assistance in writing the plan (attached C). The plan is the first step in requesting Federal funding for programs designed to mitigate natural disaster preparedness. Staff will work on this project in the beginning of 2013. Thank you Jan for your great work!

Last week I attended several sessions of the ACWA fall conference held in San Diego. ACWA hosts the conference twice per year, the spring conference rotates between Sacramento and Monterrey, while the fall conference rotates between San Diego, Palm Springs and Anaheim. This was my second time participating in the event, the first being the spring 2011 session in Sacramento. The conferences provides a plethora of information which can be grouped into four categories - committee meetings, water issue programs, vendor exhibits and featured luncheon speakers. I attended the water quality and groundwater committee meetings. Both were well attended with interesting bits of information. There are plans in the State to move the drinking water regulatory duties away from the Department of Public Health to either CAL EPA or the State Water Resources Control Board. There are 20 proposed water quality bills headed for the 2013 Legislative session. The recent election has resulted in 14 new Congressmen from California, although two key house committee members were unseated. On the groundwater front, there will be efforts to fund private well assistance and a webinar series on Salt and Nutrient Management Plans due in 2014. The CASGEM (CA Statewide Groundwater Monitoring) program now has 146 approved reporting entities encompassing 7,551 wells. The LGA (local groundwater assistance) funding through the DWR is due to be released in January. There were 93 applicants totaling \$32.3M in funding requests. \$4.7M is available funding roughly 19 projects. BWD submitted a water quality monitoring program for this funding opportunity. I attended a panel discussion of the "Reasonable Use Doctrine in the 21st Century" which will probably still be debated in the 22nd century. Another interesting program was a panel of "New Crop of Farm Leaders" in the State. Farmers are being challenged throughout the State to give up more water for urban and environmental needs. The panel suggested there be more public education on understanding the commercial and regulatory issues. Many of the new-era farmers are striving to maintain environmental habitats along field drainages and edges of crop lands. The industry has made great advancements in water conservation measures and now claims 50% more productivity on the same amount of water use. The panel encouraged funding pilot water conservation programs as a key to more water use efficiency. Other programs featured presentations on managing staff from different generations and new security issues in the water and sewer industry. Overall, the conference provided good information and an opportunity to network with other agencies in the State. I also took the opportunity to meet with the District's groundwater attorney David Aladjem who is very active in the groundwater committee.

**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791



November 28, 2012

Mr. Jerry Rolwing  
Chair Anza Borrego Regional Water Management Group  
Anza Borrego Desert Integrated Regional Water Management  
Post Office Box 1870  
Borrego Springs, California 92004

Re-evaluation of Round 2 Planning Grant Application

Dear Mr. Rolwing:

In your comment letter dated August 16, 2012 you requested that the Department of Water Resources (DWR) revisit Anza Borrego Desert Integrated Regional Water Management (IRWM) Region's Round 2 IRWM Planning Grant Application. DWR completed the re-evaluation as requested. The re-evaluation focused on the points made in your comment letter. Upon re-evaluating those portions, DWR did find merit in some aspects of the comment; but were not sufficient to support granting Anza Borrego Desert IRWM Region's request for funding.

Although we are unable to grant planning funds to your effort at this time, DWR continues to work with Anza Borrego Desert IRWM region through efforts of our Southern Region Office and we are hopeful that you will be in a position to apply for future IRWM grants.

If you have questions regarding this letter, please contact me at (916) 651-9226 or [tracieb@water.ca.gov](mailto:tracieb@water.ca.gov).

Sincerely,

A handwritten signature in blue ink that reads "Tracie L. Billington".

Tracie L. Billington, P. E., Chief  
Financial Assistance Branch  
Division of Integrated Regional Water Management



# **BORREGO WATER DISTRICT**

November 20, 2012

Dear NSF Panel:

I am writing in support of the NSF SEES Fellows application of Jennifer Gremer. The Borrego Water District is the public agency charged with providing water and sewer service for the unincorporated community of Borrego Springs, California. The District's elected Board of Directors are concerned about the declining water levels in our sole source aquifer and possible affects to the biodiversity and health of the native environment. In recent years the beautiful Borrego Valley has been devastated by the non-native Sahara mustard plant. This invasive species has created tremendous damage to the local ecosystem of our Valley and shows no sign of abatement. Numerous attempts to control the mustard have been unsuccessful, primarily due to a lack of understanding and general knowledge of how the species is able to propagate and thrive in our desert environment.

As a major stakeholder in the community, the Borrego Water District is in support of all efforts by the Steele/Burnand Desert Research Center (SBDRS) to apply innovative concepts aimed at understanding, and eventual management of this invasive species in our fragile desert environment. The addition of qualified personnel will provide the SBDRS with the necessary data to analyze and apply the appropriate solution to our problem.

If you have any questions regarding this letter of support, please feel free to contact us.

Thank you.

Sincerely,

Jerry Rolwing  
General Manager

What is NSF's Science, Engineering and Education for Sustainability Fellows Program (SEES)?

Through the SEES Fellows Program, NSF seeks to advance science, engineering, and education to inform the societal actions needed for environmental and economic sustainability and human well-being while creating the necessary workforce to address these challenges. The Program's emphasis is to facilitate investigations that cross traditional disciplinary boundaries and address issues of sustainability through a systems approach, building bridges between academic inquiry, economic growth, and societal needs. The Fellow's proposed investigation must be interdisciplinary and allow him/her to obtain research experiences beyond his/her current core disciplinary expertise. Fellows are required to develop a research partnership(s) that will advance and broaden the impact/scope of the proposed research, and present a plan for their own professional development in the area of sustainability science and engineering.

What Jennifer Gremer will do

Jenny is going to study the ecological factors, risks and opportunities of the non-native invasive plant (sahara mustard) on the desert annual plant community in the lower Colorado Desert. She is going to evolve her first rate research on plant physiology, population biology, and species diversity to a comprehensive approach to sustainability and attempt to develop best practices that could be evaluated or translated to other settings. She will both learn new things by testing theory (intellectual merit) and apply ecological knowledge to a society / management problem (broader impacts).

Jenny will leverage the University-Agency-Nonprofit Partnership and a support network to carry out the research program (SEES requirement). This partnership is unique in that it includes university resources, state park resources, multiple non-profit conservation resources, educational partnerships, and professional councils that will allow Jenny to effectively understand the needs of the stakeholders in this scientific challenge, and to effectively communicate the findings of her research to affect change in decision- and policy-makers.

Jenny will use a a comprehensive approach to tackling this problem, including: experimentation, modeling, agency and citizen science data use, value assessments (of stakeholders), translation in the context of governance, and informatics. Jenny has some of these skills, but not all, so we are organizing a group of mentor-partners (SEES requirement) to xtend her skill set - (mentor in governance, informatics, stakeholder relationships, non-profit governance experts, etc.). This provides her the opportunity to do new science in a safe environment and increases the probability of success.

The partnership developing in Anza Borrego has been created with the purpose of explicitly scaling our sustainability practices. The Steele/Burnand Desert Research Center (SBDRC) is both a member of the UC Research System Network regionally and affiliated with UNESCO Biosphere Research Network globally. The UC Reserve networks currently supports traditional conservation science activities with the potential to expand that mandate to become more proactive at creating science for society. The UNESCO biosphere program articulates a strong sustainability-science mandate which is applicable to the UC network. The fellowship proposal activities at SBDRC will attempt to broaden and deepen the traditional conservation science functionality/activities toward the practice of sustainability-science. This will provide a model to scale up new methodologies for going from conservation science to sustainability science among the regional and global network partners. Thus, in the current arrangement we can develop best practices in sustainability science with a translational framework that engages all partners, while the UC Reserve and Biosphere Reserve networks allow us an opportunity to replicate our efforts to two distinct communities of stakeholders - national and international practitioners. This two-way scaling of science practices for society is a unique opportunity of our developing partnership.

## Local Hazard Mitigation Plan – Drafted 11/12/12

(Prepared by Jan Naragon, Lutra Research, Borrego Springs, California)

**DRAFT**

### Introduction and background

*Physical conditions of the area served:* The Borrego Valley is a desert area located in the northeastern corner of San Diego County. It is immediately east of peninsular mountains that separate the more temperate coastal plain from the desert. It is 30 miles west of the Salton Sea and the Imperial Valley and separated from them by eroded land known as the Borrego Badlands. It is bounded on the north by the Santa Rosa Mountains.

The Borrego Water District (BWD) pumps groundwater to its service area within the Borrego Valley from an aquifer that underlies a portion of the Valley and may extend beyond it to the southeast. This aquifer is recharged by drainage from the surrounding mountains, from which runoff from mountain rainfall is drained into the valley and aquifer by means of intermittent canyon streams and other natural features. The valley floor receives about six inches of rain annually. Nearby mountains whose flows only partially recharge the aquifer receive about 16 in of rain annually.

The Borrego Valley is approximately 11 miles long (north to south) and 6.5 miles wide (east to west). It includes roughly 55,000 acres of privately held land. The remaining area of the Valley is within the Anza Borrego Desert State Park. Borrego Valley Road is an approximate dividing line between western and eastern halves of the Valley; most developed residential and agricultural land is within the western portion. The Borrego Valley contains several thousand feet of alluvial sediments, the source of which is mountain weathering and erosion. USGS Report 82-85<sup>i</sup> identified three segments in the aquifer. The upper segment (currently supplying most groundwater used by BWD and others) is thickest in the north part of the drainage basin. The middle aquifer is thickest below the central portion of the Valley, adjacent to Coyote Creek. The lower aquifer is thickest toward the southeast.<sup>ii</sup>

*Existing governance regarding hazards:* BWD serves the community of Borrego Springs, an unincorporated settlement in San Diego County. As of 2011, Borrego Springs occupied 43 square miles with 2,300 dwelling units and 58 persons/mi<sup>2</sup>. Full-time population was approximately 2,700, with another 2,000 seasonal residents.<sup>iii</sup> Borrego Springs is subject to state and county tax law and planning and has no jurisdiction to levy taxes. The San Diego County General Plan includes a community plan for Borrego Springs in its Appendix B. A local Community Sponsor Group has been working with the County to address issues in the county plan for Borrego Springs since 2007.

Fire protection and law enforcement for Borrego Springs are provided by the Borrego Springs Fire Protection District, the San Diego County Sheriff's Department, the California Highway Patrol, and designated peace officers working for the Anza Borrego Desert State Park. The Borrego Medical Foundation provides a medical center, a 25-bed hospital, and emergency medical services to the community. At this writing, there is no official community-wide hazard mitigation plan, although the County's planning appendix for Borrego Springs acknowledges a need for coordination of public facilities in Section 1.5.

*Brief overview of BWD infrastructure:* In the absence of a multi-agency community hazard mitigation plan, this overview addresses hazards and mitigation strategies pertinent to the BWD itself. The BWD serves five improvement districts by means of twelve wells. The Ram's Hill area (residential, golf course, and former commercial use) is distinct from the main segment of BWD's distribution area. Five sets of tanks surround the area served and are situated upslope from residential and commercial service areas. Maps of distribution system components are available from the BWD.

### **Hazard and risk assessment directive**

One of the precursor directives of applying for FEMA hazard mitigation funding is to "ensure that critical utility infrastructure has been included in the local hazard mitigation plan."<sup>iv</sup> As mentioned previously, there is no local plan that includes all public services and other community-service-oriented organizations. In the interim period in which the County may be lobbied to increase priority of collective hazard mitigation, there exists extreme potential for randomly-occurring natural hazards related to earthquakes and floods that can be addressed at the BWD infrastructure level. To mitigate likely hazards within the scope of BWD jurisdiction, a drinking water sub-plan is hereby submitted for consideration.

Adverse effects to drinking water distribution systems included in this document are those that specifically affect public health insecurity through damage or destruction of water utility infrastructure in the service area of the Borrego Water District. General earthquake-related hazards recognized by FEMA and other agencies in California include shaking, liquefaction, active fault movement, landslides associated with earthquakes, tsunamis, HazMat incidents resulting from seismic activity, and floods resulting from dam failure.<sup>v vi</sup> Of these, only shaking and fault movement are applicable to the infrastructure of the BWD.

Other natural hazards found in the California hazard assessment literature include hurricanes/monsoons, other floods, other high winds, wildfires, drought, landslides not associated with earthquakes, erosion, and sea level rise. Several of these are applicable to the infrastructure of the BWD.

## Likely hazards affecting the BWD water distribution system



*Interpretive marker at “most active fault in California,” Clark Dry Lake Bed [photo: Borrego Water District]*

**Strong seismic ground shaking and active fault movement:** The Borrego Valley sits on the geologic boundary between the North American and Pacific Plates.<sup>vii</sup> All BWD facilities, including tanks, connections, wells, and water distribution lines, are subject to severe ground shaking events because of proximity to the San Andreas, San Jacinto, Coyote Creek, Clark and other faults. Weak points include all but one connection between water supply tanks and distribution lines. Alquist-Priolo Earthquake Fault Zone maps show an area of extreme concern on the northeast boundary of the BWD system near Coyote Mountain and the Clark Dry Lake Bed; however, no BWD facilities are located within this zone. Damage from shaking and fault activity in a major earthquake would be similar to that incurred by the City of Imperial, California, public service district during the earthquake on April 4, 2010, during which distribution lines ruptured and at least one water storage tank buckled.<sup>viii</sup>

**Monsoon floods:** The BWD serves a region of desert that is surrounded by mountains on three sides. Intense rainfall in the mountains to the west of the served area can cause flooding of several types. In both 1976 and 1977, Tropical Storms Kathleen and Doreen produced downpours both in the mountains

and in deserts that resulted in riverine and alluvial flooding.<sup>ix</sup> BWD has several wells and storage tanks in the alluvial flood plains of Hellhole Canyon, Corral Canyon, Borrego Palm Canyon, and Henderson Canyon. Effects of such rapid-onset floods in the past have included damage to storage units, broken pipes, misalignment of well casings, separation of pump bindings, and lack of accessibility to infrastructure.

*Non-monsoon floods:* The same mountain-desert topography also causes floods when more than an inch of rain falls in susceptible mountain areas to the north and west of Borrego Springs. These events can produce riverine and alluvial flooding and sheet flows. In one thunderstorm in the San Ysidro Mountains to the west of Borrego Springs, a USGS gaging station in Borrego Palm Canyon was destroyed, thus eliminating one potential source of early warning for the district. Wells ID4-4, ID4-10, ID4-11, and ID4-18 are particularly vulnerable because of their location closer to alluvial flows which have exceeded 3,000 cfs in the past. Indian Head Tanks, Twin Tanks, and the Country Club Tank are also in flash-flood prone areas. Damage to power lines can affect pumping capabilities for some BWD wells which have no diesel drive systems.

*High winds:* Winds associated with weather fronts can result in frequent power outages and physical damage to protective structures on the Wilcox Well.

[Add map of BWD wells and tanks.]

#### **Current mitigation activities and priorities**

BWD performs periodic reviews of hazard mitigation strategies for seismic and flood events. The latest review of hazard mitigation strategy occurred in January 2011.<sup>x</sup> This document is reviewed and updated after every major storm event.

The district has installed flexible joints between tanks and water lines on one storage facility. In the past, limited early warning for flash floods in Borrego Palm Canyon was available via county-funded telemetry at a USGS gaging station in Palm Canyon. This station is no longer operational.

#### **Desired mitigation activities and priorities**

Destructive seismic events are largely impossible to predict. In the near future, the BWD would benefit most directly from mitigation that would lessen potential impacts of seismic events and would provide early warning for broken lines and flash flood events. In the intermediate future, equipment to avoid or reduce impact of pump power outages would be of great benefit.

1. First, the district would like to install **flexible joints** between tanks and water lines at all tank. These items cost roughly \$3000 each, for a total estimated cost of \$24K for materials. BWD would provide in-kind labor to install these joints. **Has this been worthwhile?**
2. In the near future, the district would like to restore early warning capability for broken water mains and for flash floods. In the event of a broken line or a tank malfunction, the BWD would like to install **monitors for tank pressure transducers** that would indicate a rapid drop in the

weight of water in tanks. **Cost...?** Additionally, with adequate funds, the BWD would spearhead the restoration of the stream gage in Borrego Palm Canyon. **Cost...?** This project would likely be part of a larger discussion with the County of San Diego on total-community hazard mitigation planning; such a plan may also include “reverse 9-1-1” emergency notification for residents and businesses in the Borrego Valley.

3. Reliability of several well pumps serving shallow wells (<200 ft deep) would be enhanced by installing **solar-powered pumps**. **Cost...?**

## Conclusion

It is hoped that this hazard mitigation summary will serve as background for grant funding and will add impetus to discussions of community-wide mitigation of seismic and flood hazards for all public services in Borrego Springs. Larger discussions would open avenues for cooperation on general public health issues that may include projects such as syndromic-style surveillance in conjunction with the local health and first-responder organizations.

In the meantime, the Borrego Water District is positioned to support its leg of the community footstool by judicious use of strategies to strengthen and maintain early warning and water delivery infrastructure for continued community well-being during natural events that are notoriously difficult to predict.

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<sup>i</sup> Moyle, W.R. (1982). *Water resources of Borrego Valley and vicinity, California; Phase 1, Definition of geologic and hydrologic characteristics of the basin* [USGS Report 82-855]. U.S. Geological Survey, <http://pubs.er.usgs.gov/publication/ofr82855> .

<sup>ii</sup> Borrego Water District. (2002). *Groundwater Management Plan*. [http://www.borregowd.org/Groundwater\\_Management\\_EY7H.php](http://www.borregowd.org/Groundwater_Management_EY7H.php) .

<sup>iii</sup> County of San Diego Department of Planning and Land Use. (2011). Borrego Springs Community Plan. In *County of San Diego General Plan*, Appendix B. Retrieved 11/12/2012 from [http://www.sdcounty.ca.gov/pds/advance/docs/Wind/8.0\\_Appendix\\_B.pdf](http://www.sdcounty.ca.gov/pds/advance/docs/Wind/8.0_Appendix_B.pdf) .

<sup>iv</sup> FEMA, Key to Participating in Mitigation Programs, <http://water.epa.gov/infrastructure/watersecurity/funding/fedfunds/hmap.cfm> .

<sup>v</sup>FEMA Map Service Center, Retrieved 11/12/2012 from <http://msc.fema.gov> .

<sup>vi</sup> Valley Center [California] Municipal Water District. (n.d.). Red Iron Bark Pump Station and Pipeline Project. Retrieved 11/12/2012 from <http://www.vcmwd.org/en/Projects/Red%20Iron%20Bark%20Pump%20Station%20and%20Pipeline.aspx> .

<sup>vii</sup> U.S. Geological Survey, Earthquake Hazards Program. *Summary of Magnitude 7.2 – Baja California, Mexico: 2010 April 04 22:40:42 UTC*. <http://earthquake.usgs.gov/earthquakes/eqinthenews/2010/ci14607652/#summary> .

<sup>viii</sup> Personal communication, J. Rolwing, General Manager, Borrego Water District, 11/9/2012

<sup>ix</sup> County of San Diego Department of Sanitation and Flood Control. (n.d.). *Tropical Storm Doreen Storm Report, August 15-17, 1977*.

<sup>x</sup> Borrego Water District. (January 5, 2011). *Emergency Procedures*.

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ORDINANCE NO. \_\_\_\_\_ (N.S.)

AN ORDINANCE AMENDING  
THE SAN DIEGO COUNTY CODE  
RELATING TO GROUNDWATER

The Board of Supervisors of the County of San Diego ordains as follows:

**Section 1.** The Board of Supervisors finds and determines that the County ordinance that regulates the use of groundwater should be revised to update and clarify the regulations and to require new development in the Borrego Valley to use groundwater reduction measures.

**Section 2.** Section 67.703 is amended to read as follows:

**Sec. 67.703 Definitions.**

The following words shall have the meaning provided in this section. These definitions are to be broadly interpreted and construed to promote maximum conservation and prudent management of the groundwater resources within San Diego County.

Director: The Director of Planning and Development Services.

Groundwater Investigation: A study that evaluates the geologic and hydrologic conditions, and is prepared in accordance with standards approved by the Director. The study shall be prepared by a California State Registered Geologist or Registered Civil Engineer and be approved by the Director. The Director may require the study to demonstrate the adequacy of the groundwater basin to serve both the project and the entire basin if developed to the maximum density and intensity permitted by the General Plan. For residential uses, the study shall assume an annual consumptive use of 0.5 acre-feet (163,000 gallons) of water per dwelling unit. ("Consumptive use" is the amount of groundwater lost due to human use, including evaporation and transpiration (plant use).

Residual Drawdown: The difference between the initial (static) water level before a well test is conducted and the water level after recovery. Projected residual drawdown indicates an aquifer of limited extent and the long-term well yield may be lower than what is indicated in a well test.

Specific Capacity: An expression of the productivity of a well, obtained by dividing the rate of discharge of water (in gallons per minute) from the well by the drawdown (in feet) of the water level in the well.

Water Intensive Use: Any land use that requires a permit listed in Section 67.711 and is not exempt from this ordinance, and that will require more water than 20 acre-feet per year or more than 20,000 gallons per day.

Water Service Agency: Any city, mutual or municipal water district, or any other private or public agency which provides water at retail from either: (1) groundwater resources, to two or more users; or (2) imported water resources. Such water service agency must be in existence prior to the date of submittal of any project relying on service from that agency.

Well Test: The production procedure, reviewed and approved by the Director, by which water is produced from a water well and resulting water levels are monitored. If the results of the testing are inconclusive or improperly conducted, additional testing will be required. (All wells must have a valid San Diego County Health Department well permit prior to construction.)

1. Residential Well Test: A test of a well on property with zoning which permits residential use, or which is for a residential project, shall be conducted by or under the direct supervision of a California State Professional (or Registered) Geologist, who shall conduct all analysis. The Residential Well Test shall meet or exceed all of the following minimum requirements unless the Director has first approved an alternate procedure:
  - a. Well production during the Residential Well Test must be maintained at a rate of no less than three gallons per minute.
  - b. The Residential Well Test must be conducted over a period of at least 24 hours, unless after eight hours of pumping, the measured specific capacity is equal to or greater than 0.5 gallons per minute per foot of drawdown, at which time pumping can be terminated. In addition, all Residential Well Tests must produce at least two full well bore volumes of water (a bore volume is that quantity of water which is stored within the saturated portion of the drilled annulus of the well).
  - c. The analysis of the Residential Well Test must indicate that no residual drawdown is projected (taking into account minor inaccuracies inherent in collecting and analyzing well test data).
  - d. The analysis of the Residential Well Test must also indicate that the amount of drawdown predicted to occur in the well after five years of continual pumping at the rate of projected water demand, will not interfere with the continued production of sufficient water to meet the needs of the anticipated residential use(s).

2. Nonresidential Well Test: A test of a well for a nonresidential project (such as a golf course) shall be in accordance with procedures approved by the Director and may be more extensive than those applicable to a Residential Well Test.

**Section 3.** Section 67.710 is amended to read as follows:

**Sec. 67.710 Director to Enforce.**

The Director shall have the authority to enforce all the provisions of this Chapter. The Director may designate the County Groundwater Geologist as the employee responsible for implementing this Chapter, to:

1. Review and perform groundwater studies.
2. Conduct research on the groundwater resources of the County.
3. Review and make recommendations on all discretionary projects which fall under this ordinance.
4. Monitor and maintain files on the status of the resource.
5. Assist consultants, community groups, water service agencies and residents of the County in assessing groundwater concerns.
6. Identify groundwater impacted basins.
7. Prepare recommended revisions to the Groundwater Limitations Map.
8. Monitor and maintain files regarding groundwater use reduction measures pursuant to Section 67.720.

**Section 4.** Section 67.711 is amended to read as follows:

**Sec. 67.711 Application.**

Prior to approval of any of the following discretionary land development applications for a project which proposes to use groundwater (hereinafter referred to as "Projects"), the applicant shall comply with the provisions of Article 3 below:

General Plan and Specific Plan Adoptions and Amendments

Tentative Parcel Maps

Tentative Maps

Revised Tentative Parcel Maps and Revised Tentative Maps (review shall exclude areas unaffected by the revisions proposed by the Revised Map)

Zoning Reclassifications Amending Use Regulations Applicable to Particular Property

Major Use Permits

Major Use Permit Modifications (review shall exclude areas unaffected by the proposed modifications)

Certificates of Compliance filed pursuant to San Diego County Code Section 81.616.1 or 81.616.2 (excluding condominium conversions)

Lot Line Adjustment filed pursuant to San Diego County Code Section 81.901 et seq., on property zoned to permit residential use, if the Director determines that the Lot Line Adjustment will result in a lot which would potentially worsen existing or future groundwater conditions at the maximum density and intensity permitted by the General Plan and Zoning, taking into consideration long-term groundwater sustainability, groundwater overdraft, low well yield, and well interference. If the Director makes this determination, the Lot Line Adjustment shall comply with Section 67.722, but not Sections 67.720 or 67.721.

**Section 5.** Section 67.720 is amended to read as follows:

**Sec. 67.720 Borrego Valley.**

The following provisions apply to Projects using groundwater resources in the Borrego Valley Exemption Area. This area is shown on the map entitled "Groundwater Limitations Map", approved by the Board of Supervisors on May 5, 2004 (Item 15), on file with the Clerk of the Board of Supervisors

- A. A Project listed in Section 67.711 which will use at least one acre-foot (325,851 gallons) of water per year shall include one or more groundwater use reduction measures listed in subsection B below. The groundwater use reduction measures shall fully offset the amount of groundwater that the proposed project will use and shall result in "no net increase" in the amount of groundwater extracted from the Borrego Valley Exemption Area. The groundwater use reduction measures shall

be implemented within the Borrego Valley Exemption Area as shown on the "Groundwater Limitations Map."

B. One or more of the following groundwater use reduction measures may be used:

1. In accordance with the following provisions, grant an easement to the County of San Diego on off-site land that is being actively irrigated:

a) The easement shall permanently and completely prohibit the use, extraction, storage, distribution or diversion of groundwater on the property subject to the easement, except for:

i. The use of a maximum of one acre-foot of groundwater per year for a single-family residence; or

ii. A subsequent project on the land subject to the easement that would require discretionary approval by the County if groundwater use reduction measures are implemented that fully offset the amount of groundwater that the proposed project would use. Groundwater use reduction measures that may be used for these projects include the measures listed in Sections 67.720.B.1 (this Section) and 67.720.B.2.

b) The amount and evidence of historic groundwater use and the terms and conditions of the easement shall be subject to the approval of the Director. Evidence of historic groundwater use on the land subject to the easement may include, but is not limited to, a survey by a California Professional Land Surveyor or Professional Engineer, historical aerial photographs, and a written description of the historical water use.

c) The use of the water on the land subject to the easement shall have started by January 1, 2008 and shall have continued at least to the date the proposed easement is submitted to the Department of Planning and Development Services.

d) The quantity of water available for offset shall be based on the total groundwater consumptive use for each vegetation type on the land subject to the easement as determined by the values in the following table:

<u>Vegetation Type</u>	<u>Groundwater Consumptive Use Per Acre (acre-feet/acre/year)</u>
<u>Citrus (all types)</u>	<u>4.9</u>
<u>Nursery plants</u>	<u>4.5</u>
<u>Palms (all types)</u>	<u>3.7</u>
<u>Tamarisk</u>	<u>1.7</u>
<u>Turf (warm season)</u>	<u>5.1</u>
<u>Turf (winter cool/ summer warm)</u>	<u>5.6</u>
<u>Potatoes</u>	<u>0.8</u>

To determine the groundwater consumptive use for each vegetation type within the easement area, the acreage of irrigated land for a particular vegetation type is multiplied by the "Groundwater Consumptive Use Per Acre" as listed in the table above. The "Groundwater Consumptive Use Per Acre" value for any vegetation types not listed in the table above shall be determined by the Director.

- e) Submit the easement to the Department of Planning and Development Services for review, approval and recordation.
- 2. Water credits issued by the Borrego Water District that comply with the Memorandum of Agreement between the Borrego Water District and the County of San Diego regarding Water Credits dated [h1s1], and any amendments thereto, on file with the Clerk of the Board of Supervisors.
- 3. Provide evidence to the satisfaction of the Director that all (or a portion of) the on-site water use occurring prior to the date of permit application will be permanently eliminated as a result of the Project.
- 4. Any other legally enforceable mechanism that achieves permanent water savings, subject to approval by the Director.

**Section 6.** Section 67.721 is amended to read as follows:

**Sec. 67.721 Groundwater Impacted Basins.**

- A. Identification and Mapping. Areas within the County which are characterized by one or more of the following groundwater problems shall be known as

Groundwater Impacted Basins and shall be identified and mapped:

1. Low yielding wells having an overall average yield of less than 3 gallons per minute.
2. Basins with previously approved developments at a parcel size smaller than those stated in the table in paragraph A of Section 67.722 and in excess of available water resources.
3. Declining groundwater levels and a measurable groundwater overdraft.

The Groundwater Impacted Basins shall be designated on a map known as the "Groundwater Limitations Map" which shall be adopted by the Board of Supervisors and kept on file with the Clerk of the Board of Supervisors. Prior to adding any area to said map or making any deletions from or revisions to said map, the Board of Supervisors shall hold a public hearing. Notice of such hearing shall be mailed at least 30 days in advance, to the owner (as shown on the latest equalized assessment roll) of any property proposed to be added to or deleted from said map. The Director of Planning and Development Services shall annually review said map and may recommend such revisions as the Director finds appropriate.

- B. Regulations. Any application listed in Section 67.711 for a project within a Groundwater Impacted Basin shall be accompanied by a Groundwater Investigation. In addition, a Well Test shall be performed for each lot proposed to be created by or included within the project. The application shall not be approved unless the approving authority finds that based upon the Groundwater Investigation, groundwater resources are adequate to meet the groundwater demands both of the project and the groundwater basin if the basin were developed to the maximum density and intensity permitted by the General Plan.

**Section 7.** Section 67.750 is amended to read as follows:

**Sec. 67.750 Exemptions.**

- (a) A proposed subdivision which pursuant to the terms of Government Code Section 66424 or 66426 is exempt from the requirement to file a Tentative Map or Tentative Parcel Map is not subject to this Ordinance unless it also involves an application for a General Plan or Specific Plan adoption or amendment, a Zoning Reclassification, or a Major Use Permit or modification thereof.
- (b) The following Major Use Permits or Major Use Permit modifications are exempt from this ordinance:

- (1) Those involving the construction of agricultural and ranch support structures used in the production, storage, or processing of food, fiber, and flowers, including but not limited to roadside stands, barns, sheds, packing houses, and greenhouses, except that this exception does not apply to feed lots.
- (2) Those involving new or expanded agricultural land uses, including but not limited to changes in commodities produced on the property, operations performed upon such commodities, and development of additional irrigated acreage on the property unless accompanied by subdivision.

This agricultural exemption does not supersede or limit the application of any law or regulation otherwise applicable to the above-listed categories of agricultural support activities including the California Environmental Quality Act. For purposes of this exemption, "agricultural and ranch support structures" do not include the commercial exportation of groundwater for purposes of resale outside the basin.

- (c) Director may grant an exemption from the requirement for a Groundwater Investigation imposed by Section 67.721 or 67.722.B, the requirement for Well Tests imposed by Section 67.721 or 67.722.C, or the requirement for minimum parcel sizes imposed by Section 67.722.A, upon a finding that existing data clearly demonstrate that the finding required by Section 67.722.B. can be made without additional study. Such data may include a recent history (minimum of five years) of groundwater withdrawals or streamflow data and other geomorphic evidence which indicates that replenishment of groundwater resources is rapid and reliable, and is controlled primarily by infiltration of streamflow rather than on-site recharge.

**Section 8.** This ordinance shall take effect thirty days after its passage and before the expiration of fifteen days after its passage, a summary hereof shall be published once with the names of the members of this Board voting for and against it in the \_\_\_\_\_ a newspaper of general circulation published in the County of San Diego.

MEMORANDUM OF AGREEMENT  
BETWEEN THE BORREGO WATER DISTRICT  
AND THE COUNTY OF SAN DIEGO  
REGARDING WATER CREDITS

This Memorandum of Agreement (MOA) between the Borrego Water District (BWD), a water district formed pursuant to California law, and the County of San Diego (County), a political subdivision of the State of California.

Whereas, the Borrego Aquifer is in a state of overdraft due to the extensive use of groundwater in the Borrego Valley.

Whereas, due to the overdraft condition, BWD plans to implement a program to encourage the voluntary and immediate cessation and/or reduction of measurable water uses to reduce the demand on the groundwater aquifer that is under the Borrego Valley.

Whereas, a key element in BWD's program is the issuance of water credits for the cessation and reduction in the use of groundwater in accordance with BWD's program.

Whereas, due to the overdraft condition, County wants to ensure that proposed uses in the Borrego Valley offset their demand for groundwater by a ratio of least a one-to-one, and water credits issued by BWD that also meet County's requirements are one method that project applicants can use to provide this offset.

Whereas, BWD and County wish to enter into this MOA to set forth the terms by which the County will recognize water credits issued by BWD.

NOW, THEREFORE, the parties agree as follows:

1. The County will recognize water credits issued by BWD if the water credits meet all of the criteria set forth in this MOA.
2. As used in this MOA, the term "water credit" means an entitlement created under the Water Credit and Mitigation Policy of BWD as published on BWD's website. The purpose of issuing a water credit is to recognize the fallowing of actively irrigated land located in the Borrego Valley Groundwater Basin (BVGB). As specified in this MOA, a water credit may be used in the future to offset the groundwater use of a proposed development. A water credit does not convey, and shall not be construed to convey, water rights, nor is it a guarantee by BWD of the future availability of water from the BVGB. It should be noted that a water credit is not a guarantee that a proposed development, for which a water credit will be used as an offset, can or will be approved by the County.

3. The water credits shall have been issued in exchange for an easement granted to BWD. The easement shall include the following provisions:

a. The easement shall permanently and completely eliminate the extraction, use, storage, distribution or diversion of groundwater on the land subject to the easement, except for the following uses:

- i. One-acre foot of groundwater per year to serve a single-family dwelling; or
- ii. A project that would require discretionary approval by the County if groundwater use reduction measures are implemented that fully offset the amount of groundwater that the project would use. Groundwater use reduction measures that may be used include measures listed in County Code sections 67.720.B.1 and 67.720.B.2 (County Groundwater Ordinance).

b. The easement shall designate County as a third-party beneficiary with the right, but not the obligation, to enforce the easement. The easement shall give County the same right of access for purposes of monitoring compliance with the easement and the same options for enforcing the easement as the easement gives to BWD.

4. Prior to accepting the easement, BWD shall do the following:

i. Verify that all extraction, use, storage, distribution or diversion of groundwater on the property subject to the easement has ceased, that all crops or turf have been removed and that all pumps and wells on the property, if any, have been disengaged or rendered inoperable; and

ii. Submit a copy of the draft easement to the Director of Planning and Development Services (PDS) for review and approval. The Director of PDS shall review the draft easement and shall approve it if the Director determines that the easement is adequate. If the Director determines that the draft easement is not adequate, the Director will send a letter to BWD with recommended changes. The Director will make a good-faith effort to review the draft easement and approve it or submit a comment letter to BWD within 30 days of the receipt of the draft easement. BWD shall accept all changes recommended by the Director of PDS or provide a letter to the Director of PDS with recommended changes within 30 days of the receipt of the comment letter. The parties may continue this process until both agree on the terms of the easement.

5. Each water credit shall be equal to one-acre foot of water per year. Water credit calculations that end with .50 to .99 acre-feet shall be rounded up to the next full

acre foot, and calculations that end with .01 to .49 acre-feet shall be rounded down to the previous full acre foot.

6. The number of water credits issued shall be based on the water use as determined on the chart attached to this MOA as Exhibit A. The water use shall be calculated based on the vegetation types, vegetation area being actively irrigated and corresponding annual groundwater consumptive use as specified in Exhibit A. BWD shall obtain the prior written approval of County for any vegetation not listed in Exhibit A and for the amount of water use calculated for that vegetation. The assumptions used to calculate the water offset credits are included in Exhibit B. Exhibits A and B are incorporated into this MOA.

7. The irrigation of the land for which the water credits are issued shall have begun before January 1, 2008 and shall have continued at least until the date the application was submitted to BWD for the easement. All water use must cease in accordance with the terms of the BWD easement.

8. BWD shall submit a copy of the recorded easement to the Director of Planning and Development Services within 30 days of the easement being recorded.

9. BWD shall include the following certification on each Water Credit Certificate that BWD issues for water credits granted in compliance with this MOA:

The Borrego Water District certifies that the water credits listed on this Water Credit Certificate comply with all of the requirements of the Memorandum of Agreement Between the Borrego Water District and the County of San Diego Regarding Water Credits.

\_\_\_\_\_  
Borrego Water District  
General Manager

\_\_\_\_\_  
Date

10. BWD may issue water credits that do not comply with this MOA, but County will recognize only those water credits that comply with the requirements of this MOA.

11. County reserves the right to verify that water credits issued by BWD comply with this MOA. BWD shall provide information and answer questions related to water credits presented to County for offsets or related to BWD's groundwater use reduction program as requested by County. If, in spite of the certification described in paragraph 9 above, County determines that the water credits do not comply with this MOA, County will not recognize the water credits for offsets.

12. Either party may terminate this MOA on 90 days prior written notice to the other party. All notices and other written communications that shall or may be given under this MOA shall be addressed as follows:

To County:  
Director of Planning and  
Development Services  
5510 Overland Avenue, Suite 310  
San Diego, CA 92123

To BWD:  
General Manager  
Borrego Water District  
806 Palm Canyon Drive  
Borrego Springs, CA 92004

Notices and communications sent by U.S. Mail shall be deemed received three business days after mailing. Notices sent by e-mail shall be deemed received on the day of transmission if sent before 5:00 p.m. and the day after transmission if sent after 5:00 p.m.

13. This MOA may be amended or changed only by a written amendment signed by both parties.

14. This MOA is an enforceable agreement.

15. This MOA shall become effective on the date that the Ordinance Amending the San Diego County Code Relating to Groundwater in the Borrego Valley (Ordinance No. \_\_\_\_\_) becomes effective.

16. This MOA, including Exhibits A and B, constitutes the entire agreement between the parties regarding the subject matter contained herein. All other representations, oral or written, are superseded by this MOA. Neither party is relying on any representations outside of this MOA.

17. If either party believes that the other party has failed to perform its obligations under this MOA, the non-defaulting party may provide a written notice of default to the other party describing the default. The parties shall meet and confer at a mutually agreeable time and location not later than 30 days after receipt of the notice of default. At the meet and confer, the parties shall, in good faith, discuss the default and how and when it should be cured. If after the meet and confer the parties do not agree on the default or the cure, the non-defaulting party may terminate this MOA immediately by sending a notice of termination to the other party. A party may not terminate this MOA for default without first complying with this paragraph.

[Remainder of this page left blank intentionally.]

18. This MOA shall be construed according to the law of the state of California. The language of all parts of this MOA shall be construed simply according its plain meaning and shall not be construed for or against either party.

Now, therefore, the parties execute this MOA as set forth below.

COUNTY OF SAN DIEGO

BORREGO WATER DISTRICT

By: \_\_\_\_\_  
Clerk of the Board of  
Supervisors

By: \_\_\_\_\_  
General Manager

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

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

Approved as to form and legality  
County Counsel

Approved as to form and legality

By: \_\_\_\_\_  
Senior Deputy

By: \_\_\_\_\_  
[title]

**RESOLUTION NO. 2012-12-01**

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE BORREGO WATER DISTRICT APPROVING A PROPOSED ORDINANCE AMENDING THE SAN DIEGO COUNTY CODE RELATING TO GROUNDWATER AND APPROVING THE MEMORANDUM OF AGREEMENT (MOA) BETWEEN THE BORREGO WATER DISTRICT AND THE COUNTY OF SAN DIEGO REGARDING WATER CREDITS.**

**WHEREAS**, the Borrego Water District (District) is a California Water District formed and existing pursuant to California Water Code section 34000 *et seq.*;

**WHEREAS**, the San Diego County overlies a complex groundwater resource that varies greatly throughout the entire County and has adopted regulations related to the use of groundwater in the San Diego County Code.

**WHEREAS**, the County of San Diego is proposing to amend the County Code by adopting an ordinance which includes provisions relating to groundwater in the Borrego Valley.

**WHEREAS**, It is not the purpose of this ordinance to limit or restrict agricultural activities, but to ensure that development will not occur in groundwater-dependent areas of the County unless adequate groundwater supplies are available to serve both the existing uses within the affected groundwater basin and the proposed uses.

**WHEREAS**, The Board of Directors for the District finds and determines that the County ordinance that regulates the use of groundwater should be revised to update and clarify the regulations and to require new development in the Borrego Valley to use groundwater reduction measures.

**WHEREAS**, the Borrego Aquifer is in a state of overdraft due to the extensive use of groundwater in the Borrego Valley.

**WHEREAS**, due to the overdraft condition, BWD plans to implement a program to encourage the voluntary and immediate cessation and/or reduction of measurable water uses to reduce the demand on the groundwater aquifer that is under the Borrego Valley.

**WHEREAS**, a key element in BWD's program is the issuance of water credits for the cessation and reduction in the use of groundwater in accordance with BWD's program.

**WHEREAS**, due to the overdraft condition, County wants to ensure that proposed uses in the Borrego Valley offset their demand for groundwater by a ratio of least a one-to-one, and water credits issued by BWD that also meet County's requirements are one method that project applicants can use to provide this offset.

**WHEREAS**, BWD and County wish to enter into this MOA to set forth the terms by which the County will recognize water credits issued by BWD.

NOW, THEREFORE, the Board of Directors of the Borrego Water District does hereby resolve, determine and order as follows:

1. The Board of Directors approves the proposed Ordinance amending the San Diego County Code relating to Groundwater.
2. The Board of Directors approves the Memorandum of Agreement Between the Borrego Water District and the County of San Diego Regarding Water Credits.

ADOPTED, SIGNED AND APPROVED this 12th day of December, 2012.

\_\_\_\_\_  
President of the Board of Directors of Borrego Water District

ATTEST:

\_\_\_\_\_  
Secretary of the Board of Directors of Borrego Water District

STATE OF CALIFORNIA    )  
  ) ss.  
COUNTY OF SAN DIEGO    )

I, Marshal Brecht, Secretary of the Board of Directors of the Borrego Water District, do hereby certify that the foregoing resolution was duly adopted by the Board of Directors of said District at a regular meeting held on the 12<sup>th</sup> day of December, 2012, and that it was so adopted by the following vote:

AYES:	DIRECTORS:
NOES:	DIRECTORS:
ABSENT:	DIRECTORS:
ABSTAIN:	DIRECTORS:

\_\_\_\_\_  
Secretary of the Board of Directors of Borrego Water District

STATE OF CALIFORNIA    )  
                                  ) ss.  
COUNTY OF SAN DIEGO   )

I, Marshal Brecht, Secretary of the Board of Directors of the Borrego Water District, do hereby certify that the above and foregoing is a full, true and correct copy of RESOLUTION NO. 2012-12-01, of said Board, and that the same has not been amended or repealed.

Dated:

---

Secretary of the Board of Directors of Borrego Water District

# BORREGO WATER DISTRICT

## DEMAND OFFSET MITIGATION WATER CREDITS POLICY

*(revised November 15<sup>th</sup>, 2012)*

### 1. PURPOSE

The Borrego Valley Groundwater Basin is in a state of overdraft due to the extensive use of groundwater in the Borrego Valley. Due to the overdraft condition, it is the desire of the Borrego Water District (“BWD,” “the District”) to implement a program to encourage the voluntary and immediate cessation and/or reduction of measurable water uses, including, but not limited to, permanent removal of turf and/or permanent fallowing of irrigated farmland (“Water Activity”).

The goal of this Policy is to in a timely manner: (a) to reduce the demand on the upper groundwater aquifer that underlies the Borrego Valley; (b) to provide a mechanism by which new water demands are mitigated in compliance with the California Environmental Quality Act (“CEQA”); and (c) to create incentives for property owners engaged in high water demand activities to be economically motivated to cease or reduce their demand on the Borrego Valley Groundwater Basin, consistent with the objectives of the BWD Groundwater Management Plan (GMP) as adopted by the District in 2001, as subsequently amended and updated.

Additionally, it is the intent of this Policy to be construed in a fashion which will allow for its use not only by the BWD but, through its implementation and application, for it to provide for new water demands to conform with the Groundwater Mitigation Ordinance of the San Diego County Department of Planning and Development Services (“the County”) as revised from time to time and the most current Memorandum of Agreement (“MOA”) between BWD and the County, to the maximum extent possible.

Finally, this Policy will create the administrative and technical procedures through which durable mitigation entitlements (water credits) will be established by the District, and provide for the ongoing administrative functions of controlling, monitoring and enforcing the entitlement element of this Policy.

### 2. DEFINITIONS

- A. AFY: acre-feet of water use per year
- B. Applicant: the owner of real property who applies for one or more Water Credits pursuant to this Policy.
- C. Application: the document by which an Applicant applies for one or more Water Credits pursuant to this Policy.
- D. BWD or District: the Borrego Water District.

- E. CEQA: California Environmental Quality Act.
- F. Conditional Water Credit Certificate: the document issued by the BWD identifying the number of Water Credits an Applicant will receive upon compliance with any and all conditions set forth therein and/or in this Policy, which certificate shall remain valid so long as this Policy remains in effect.
- G. Consumptive Use: the amount of water lost from the groundwater resource due to evapotranspiration (plant use).
- H. County: County of San Diego.
- I. Desertscape: Landscape requiring no irrigation of any kind after an initial period not to exceed two (2) years of watering to establish any planting(s).
- J. Developers: Persons or entities seeking to commence an activity within the boundaries of the BWD that will create new or increased water demand, including, but not limited to, new residential or commercial development and/or expansion of existing uses/developments.
- K. DPDS: San Diego County Department of Planning and Development Services.
- L. EDU or Equivalent Dwelling Unit: The quantity of water calculated by adding (i) the total residential annual water usage (calculated based on a five year average) plus (ii) non profit community benefit annual water usage (which uses comply with Desertscape landscaping standards and are calculated based on a five year average) and dividing the resulting sum by the number of residences served by the District, which quotient is rounded up to the nearest tenth of an acre foot. As of the adoption of this Policy, one EDU equals 1.0 acre foot per year (AFY) ~~or portion thereof~~ and may be recalculated by the District Engineer upon direction of the Board of Directors[A1].
- M. Irrigated Agricultural Land: Land that is currently irrigated for active agricultural use. For purposes of this Policy, “currently irrigated” shall mean irrigated for agricultural use during the preceding twelve (12) month period.
- N. Mitigation Policy: The BWD policy regarding mitigation of impacts of new developments on the Borrego aquifer adopted June 22, 2005 and thereafter amended and further amended and restated in Section 3 hereof.
- O. MOA: Memorandum of Agreement between San Diego County and the Borrego Water District
- P. Property: the real property owned by the Applicant and to be restricted pursuant to this Policy.

Q. Water Activity: one or more measurable water uses, including, but not limited to, irrigated turf and irrigated farmland.

R. Water Credit: a durable mitigation entitlement<sup>[A2]</sup> equal to one acre-foot of water per year (AFY); all Water Credit calculations shall be rounded up to the next highest one-half acre foot. As further defined in Section 4B below, several classes of credits shall be available pursuant to this Policy.

S. Water Credit Certificate: the document issued by the BWD certifying the issuance of one or more Water Credits to an Applicant in conformance with this Policy.

### 3. MITIGATION POLICY

It is the policy of the BWD that persons or entities seeking to commence an activity within the District that will create a new or increased water demand (“Developers”) must provide one (1) Water Credits for every one (1) EDU ~~or portion of one EDU~~ demand of the proposed use as calculated by the District Engineer, consistent with the provisions hereof. ~~If the Developer can demonstrate compliance with San Diego County’s Groundwater Mitigation Ordinance mitigation policy requirements, then said Developer may apply those offsetting measures as credit towards the BWD Mitigation Policy.~~ Conformance with the District’s Mitigation Policy must be demonstrated prior to the District providing water service and/or a water meter to the new water demand proposed by the Developer, or its successor in interest.

### 4. WATER CREDITS

Upon compliance with the procedural requirements set forth in Section 5. hereof, the District will issue Water Credits to an Applicant in accordance with the following:

A. Eligible Land. Contiguous irrigated land with an associated consumptive water use of ten (10) acre feet per year and meeting the criteria set forth below is eligible to participate in the program established by this Policy. Based upon the type of Water Credit sought (as defined in Section 4.B., below), either (i) all irrigation of the Property shall be eliminated or (ii) the Applicant shall cause permanent, quantifiable and verifiable reductions of water use on the Property as a condition precedent to issuance of Water Credit(s) pursuant to this Policy.

1. Agricultural Land. To be eligible under this Policy, the Applicant must establish that agricultural land was utilized for legal agricultural operation at the Property prior to April 9, 2003. Property on which agricultural production commenced after April 9, 2003 may be considered eligible under this Policy if the Applicant establishes that the agricultural use was approved by the DPDS or is otherwise demonstrated to have been legally conducted.

2. Turf. To be eligible under this Policy, the Applicant must establish that the Property was irrigated with live turf as of January 1, 2008 and as of the date of Application.

3. Tamarisk. To be eligible under this Policy, the Applicant must establish that tamarisk or other high water use windbreak trees were planted on the Property as of January 1, 2008 and such trees remain alive as of the date of Application.

4. Special. To be eligible under this Policy, the Applicant must establish that the high water use water activity existed on the Property as of January 1, 2008.

B. Water Credit Types. The following types of Water Credits shall be available in accordance with the criteria defined below:

1. Agricultural Credits. Four types of Agricultural Credits will be available under this Policy. The Applicant shall remove any and all tamarisk trees or other high water use windbreak trees located on Property for which an Applicant seeks Agricultural Credits at the time the agricultural use is followed. ~~For all agricultural credit types, seasonal crops, or those on rotation, shall receive credits for the average amount of water used by the crop based on its frequency of planting and water use as determined by the University of California. [For example, if a certain annual crop had a Consumptive Use rate of 3 AFY, and was planted once every three years in rotation, then the Property owner would be eligible to receive one (1) Water Credit per acre certification.]~~

(a) Agricultural-1 (“AG-1 Credits”). Upon compliance with the requirements of this Policy, AG-1 Credits will be issued for Irrigated Agricultural Land. AG-1 Credits will be issued at a rate of 1.0 x the applicable number of credits designated in Section 4.C.

(b) Agricultural-2 (“AG-2 Credits”). Upon compliance with the requirements of this Policy, AG-2 Credits will be issued for Property that is legally entitled to initiate farming within the constraints of existing permits and policies of the DPDS, and/or other regulatory entities with jurisdiction over agricultural activity on the subject Property. To qualify for AG-2 Credits, the Applicant must:

(i) Establish that as of July 1, 2009, the Property held all necessary approvals to operate an agricultural operation thereon; AND

(ii) Submit an executed Water Credits Agreement to the District within ninety (90) days following adoption of this Policy; AND

(iii) Execute and record with the County Recorder an Exclusive Groundwater Easement (“Easement”) in favor of the District and further complete all actions required pursuant to the Water Credits Agreement within one hundred eighty (180) days of adoption of this Policy<sup>[A3]</sup>. The Easement shall meet the requirements set forth in the **most current** MOA between BWD and the County of San Diego, including but not limited to designating the County as a third party beneficiary with the right to enforce the easement.

AG-2 Credits will be issued at a rate of 1.0 x the applicable number of credits designated in Section 4.C.

(c) Agricultural-3 (“AG-3 Credits”). Upon compliance with the requirements of this Policy, AG-3 Credits will be issued for Irrigated Agricultural Land that, pursuant to this Policy, is permanently restricted to Desertscape. AG-3 Credits will be issued at a rate of 1.0 x the applicable number of credits designated in Section 4.C. Water Credit Certificates for AG-3 Credits will be issued in two phases. A portion of the Water Credit Certificates will issue at the time the Property is converted to Desertscape. The balance of the Water Credit Certificates will issue at the time the Applicant ceases all irrigation on the Property. The District Engineer shall determine the apportionment of credits allocated to each such phase.

(d) Agricultural-4 (“AG-4 Credits”). Upon compliance with the requirements of this Policy, AG-4 Credits will be issued for Irrigated Agricultural Land that, pursuant to this Policy, is permanently restricted to lower water use crop type(s). AG-4 Credits will be issued at a rate to be determined by the District Engineer based on the Consumptive Use differential between the use existing at the time of the Application and the use to which the Property will be restricted pursuant to this Policy.

## 2. Turf.

(a) Turf-1 (“T-1 Credits”). Upon compliance with the requirements of this Policy, T-1 Credits will be issued for Property that is currently irrigated with live turf and, pursuant to this Policy, has all turf removed and is permanently restricted from all forms of irrigation. T-1 Credits will be issued at a rate of 1.0 x the applicable number of credits designated in Section 4.C.

(b) Turf-2 (“T-2 Credits”). Upon compliance with the requirements of this Policy, T-2 Credits will be issued for Property that is currently irrigated with live turf and, pursuant to this Policy, is permanently restricted to Desertscape. Water Credit Certificates for T-2 Credits will be issued in two phases. A portion of the Water Credit Certificates will issue at the time the Property is converted to Desertscape. The balance of the Water Credit Certificates will issue at the time the Applicant ceases all irrigation on the Property. The District Engineer shall determine the apportionment of credits allocated to each such phase.

(c) Turf-3 (“T-3 Credits”). Upon compliance with the requirements of this Policy, T-3 Credits will be issued for Property that is currently irrigated with live turf and, pursuant to this Policy, is permanently restricted to quantifiable and verifiable lower water use landscape than the existing use at the time of the Application for Water Credits. T-3 Credits will be issued at a rate to be determined by the District Engineer based on the Consumptive Use differential between the use existing at the time of the Application and the use to which the Property will be restricted pursuant to this Policy.

## 3. Tamarisk.

(a) Tamarisk (“TK Credits”). Upon compliance with the requirements of this Policy, TK Credits will be issued for Property (i) on which live Tamarisk or other high water use windbreaks greater than one (1) foot in diameter are removed and (ii) that is permanently restricted from all forms of irrigation.

4. Special. Special Credits will be assigned to any quantifiable, verifiable and permanent reduction in water use that is confirmed by historic records and determined by the District Engineer to meet the standards of this Policy. ~~The District Engineer shall determine the Water Credits per acre based on the Consumptive Use rates for the applicable vegetation recognized by the State of California and the University of California data, and/or other factors as may be utilized by the District Engineer including assumed return flow rates, effects of cessation of irrigation at the Property on groundwater quality in the Borrego Aquifer, and consideration of the equitable application of this Policy.~~

C. Number of Credits. The number of water credits for all vegetation types shall be granted based on the annual Consumptive Use for each type of vegetation type as stated in Exhibit B “Assumptions Used to Calculate Water Offset Credits” of the most recent MOA between BWD and the County, ~~as amended~~.

## 5. PROCEDURE

A. The Applicant shall make a written application (“Application”) to the District Engineer for issuance of Water Credit Certificates. The Application shall be as set forth in BWD Form 100 and shall be accompanied by:

1. A title report and/or other documentation reasonably acceptable to the BWD evidencing that the Application has been signed by all record owners of the Property, that the water rights in the Property have not been transferred, conveyed or otherwise encumbered and that the condition of title to the Property is not detrimental to the achievement of the purposes of this Policy.

2. A legal description of the Property in a form reasonably acceptable to the BWD.

3. A Right of Entry Agreement (BWD Form 103) permitting the BWD access to the Property to confirm the ongoing, legal, measurable Water Activity and:

(a) Where any Well(s) serving the Property also serve other property held by the Applicant, which other property the Applicant does not intend to restrict,

(i) Access any and all Well(s) on the Property and/or serving the Property for monitoring, metering, testing and/or investigating groundwater levels, quality and related matters;

(ii) Access to the Property to confirm the destruction or removal of any crops, turf or other Water Activity on the Property pursuant to this Policy;

(iii) Access to the Property to confirm compliance with the terms and requirements of this Policy; and/or

(iv) Such other provisions as the BWD may reasonably require.

(b) Where the Well(s) serving the Property do not serve any property the Applicant does not intend to restrict,

(i) Access to the Property to install, operate, access and maintain a monitoring well in place of any existing well(s) on the Property;

(ii) Access to the Property to cap, seal or otherwise render inoperable existing well(s) on the Property;

(iii) Access to the Property to confirm the destruction of any crops, turf or other Water Activity on the Property pursuant to this Policy;

(iv) Access to the Property to confirm compliance with the terms and requirements of this Policy; and/or

(v) Such other provisions as the BWD may reasonably require.

4. A signed Water Credit Agreement. (BWD Form 101).

5. A certification and administration fee of \$1,000.

B. The BWD shall review the Application and confirm the existence of active, ongoing, legal, measurable Water Activity on the Property. Upon such confirmation, the BWD will issue Conditional Water Credit Certificate(s) setting forth the number of Water Credits to which the Applicant will be entitled upon compliance with this Policy as well as any additional conditions or requirements reasonably imposed by the BWD and identified in the Conditional Water Credit Certificate(s).

C. To convert the Conditional Water Credit Certificates to Water Credit Certificates, the Applicant shall:

(i) Sign and submit to the BWD a Grant of Exclusive Groundwater Easement (BWD Form 102), disengage the pump(s) or otherwise render inoperable any and all well(s) located on the Property, if applicable;

(ii) Complete all crop destruction, turf removal or other action to permanently cease and/or reduce the Water Activity on the Property, as applicable, and notify the BWD in writing of the same;

(iii) Provide a **sealed** certificate by a licensed land surveyor certifying the net acreage under irrigation on the Property (net acreage shall, for Agricultural land, include roads and exclude buildings);

(iv) Submit a notarized written request by the Applicant stating the name(s) in which the Water Credit Certificate(s) should be issued and the amounts allocated

to each identified person (not to exceed the aggregate total amount awardable pursuant to Section 4.c. hereof for the Property); and

- (v) Submit payment of \$100.00 per Water Credit to the BWD

Upon the BWD's verification of the completion of permanent cessation of the Water Activity and the pump disengagement or otherwise rendering inoperable any and all well(s) located on the Property (where applicable), the BWD shall issue raised-sealed and numbered Water Credit Certificates to the Applicant in amounts pursuant to Section 4.C. hereof.

2. Transfer of Certificates. Upon (i) notarized written request by the recipient of Water Credit Certificates previously issued by the BWD ("Certificate Holder"), (ii) submission of the original Water Credit Certificates to the BWD, and (iii) payment of an administrative fee of \$500 per transaction, the BWD will re-issue Water Credit Certificates to such persons or entities and in such amounts (not to exceed the aggregate total amount of the Water Credit Certificates submitted to the BWD by the Certificate Holder) as may be designated by the Certificate Holder.

## 6. MISCELLANEOUS

A. The BWD recognizes all Water Credit types set forth in Section 4.B. in satisfaction of the BWD's Mitigation Policy. The County of San Diego may recognize some or none of the Water Credit types[A4].

B. The BWD may purchase Water Credits for its own account from time to time, as it deems necessary to create a bank of Water Credits for developments that must comply with the provisions of this Policy. The Board of Directors shall set the price of the Water Credits at the time that the Water Credits are sold.

C. The BWD shall be responsible to monitor and enforce this Policy, including, in addition to the work elements associated with establishing the Water Credits, regularly monitoring meters on wells located on Property subject to a Water Credit Agreement, regularly inspecting Property enrolled in the program established by this Policy to ensure compliance with the terms of all requirements to maintain the Water Credits, and providing updates as to the status of Water Credits to the County, as required.

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President of the Board of Directors of  
Borrego Water District

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Secretary of the Board of Directors of  
Borrego Water District

WATER CREDIT TIMELINE

A. ISSUANCE OF CERTIFICATES

<u>Timeframe</u>	<u>Activity</u>
(1) At Applicant's discretion	Applicant submits Application Package, including: <ul style="list-style-type: none"><li>• Application (BWD Form 100)</li><li>• Water Credit Agreement (BWD Form 101)</li><li>• Right of Entry Agreement (BWD Form 103)</li><li>• Title report</li><li>• Administrative fee</li></ul>
(2) 30 days (or more as needed) after (1)	BWD reviews Application Package and confirms active, legal, ongoing, measurable Water Activity and determines whether/what removal or destruction of Water Activity will be required.
(3) Upon Completion of (2)	BWD signs Water Credit Agreement, issues Conditional Water Credit Certificates and notifies Applicant of any special requirements reasonably imposed by BWD and to be met prior to issuance of Water Credit Certificates.
(4) At Applicant's discretion	Applicant signs and submits Grant of Exclusive Groundwater Easement (BWD Form 102) to the BWD.  Applicant disengages well(s), as applicable.  Applicant removes/destroys Water Activity.  Applicant complies with other requirements identified by BWD.
(5)	Applicant pays administrator fee.
(67) Upon confirmation of actions under (4)	BWD issues Water Credit Certificates to Applicant or Applicant's designee identified in a notarized writing ("Certificate Holder").

## B. TRANSFER OF CERTIFICATES

<u>Timeframe</u>	<u>Activity</u>
(78) At Certificate Holder's discretion	Certificate Holder submits original Water Credit Certificates along with administrative fee and notarized written request to the BWD to reissue the Water Credit Certificates to such persons and in such amounts (not to exceed the aggregate total amount of the Water Credit Certificates submitted to the BWD by Certificate Holder) as designated by Certificate Holder.
(89) 10 days (or more as needed)	BWD verifies prior issuance of Water Credit Certificates to Certificate Holder, voids the same and prepares new Water Credit Certificates per the Certificate Holder's written request.

## C. REDEMPTION OF CERTIFICATES

<u>Timeframe</u>	<u>Activity</u>
(910) At Certificate Holder's discretion and not less than 30 days prior to County issuance of building permits.	Certificate Holder submits original Water Credit Certificates along with written request to the BWD to redeem the Water Credit Certificates as mitigation for the development specified in the Certificate Holder's written request.
(140) 10 days (or more as needed)	BWD verifies prior issuance of Water Credit Certificates to Certificate Holder, marks the Water Credit Certificates "REDEEMED," notes the same on the Water Credit Certificate Log and issues a letter to the County identifying the quantity of acre-feet per year redeemed by the Certificate Holder.

**APPLICATION FOR WATER CREDIT CERTIFICATE**  
(BWD Form 100)

Borrego Water District  
Board of Directors  
PO Box 1870  
Borrego Springs, CA 92004

ATTENTION: General Manager

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Assessor's Parcel Number: \_\_\_\_\_ Acreage: \_\_\_\_\_

Address of Property: \_\_\_\_\_  
(if applicable)

Crop cultivation:

Date Cultivation Commenced (must be prior to 4/9/03)	Water Activity (crop, turf, etc.)	Area	<b>For BWD Use Only</b> Water Entitlement Quantity
1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.

Current Water Provider: \_\_\_\_\_

Payment of \$1,000 per transaction received \_\_\_\_\_ Date paid \_\_\_\_\_

I declare under penalty of perjury under the laws of the State of California that the foregoing statements are true and correct of my own personal knowledge.

\_\_\_\_\_  
Name of Applicant\*/Agent\*

\_\_\_\_\_  
Date

\_\_\_\_\_

\_\_\_\_\_

Name of Applicant/Agent

Date

\* All legal owners of the property must sign

## **POLICY FOR WATER AND SEWER SERVICE TO NEW DEVELOPMENTS**

*(revised November 14, 2012)*

This Policy outlines the procedures and obligations for developers, contractors, and owners (hereinafter “developers”) to obtain water and sewer service from the Borrego Water District (hereinafter “District”) to serve a new development and establish the fees, exactions, and charges for the new development. The term "new development" is defined as any residential or commercial development or service requirement that increases the demand on the District's water supply and/or distribution system and/or its sewer collection and treatment system whether by increasing the intensity of use or by altering the use of land.

### **1. Application of Policy**

This Policy governs the procedures for the District to handle requests for a commitment for water and sewer service for new developments and sets forth the obligations of the developer to obtain a commitment for water and sewer service. When a developer requests a commitment for water and sewer service for a larger new development, for example, a “major subdivision,” as defined in the San Diego County Code of Regulatory Ordinances at section 81.102(y) as “a subdivision creating five or more lots or units”, that may substantially impact the District’s existing water supply capacity and/or sewer treatment capacity or that may require major improvements to the District’s water distribution system and/or to the District’s sewer treatment plant or collection system, such requests shall be considered on a case-by-case basis. This Policy shall serve as a guideline for the consideration of the request for water and sewer service for a larger new development, but the District may modify or add to the provisions of this Policy in making its commitment for water and sewer service for a larger development.

### **2. Application for Water and Sewer Service**

(a) The developer must obtain an Application for Water and Sewer Service from the District. With the Application the developer shall submit a preliminary plat of the development which shall include the number of lots to be served, the type of units to be built within the development, the size of the lots in the development, the estimated build-out of the new development and any other information that will assist the District in determining the water and sewer needs of the new development. In the event the development includes a fire protection system, the Developer shall submit fire protection plans for the development.

(b) The developer must return the completed Application to the District with the information requested in subsection (a). The developer shall provide any other information requested by the District that the District deems necessary to determine the availability of water and sewer service for the development.

(c) When the Application requests water and sewer service for a larger new development, the developer shall pay an Application Fee as set by the District’s Manager at the time the Application is submitted. The Application Fee shall cover the anticipated cost to the District of reviewing the project, obtaining any engineering report on the feasibility of the water and sewer service requested for the project and making a preliminary determination of the on-site

and off-site system improvements necessary to provide the water and sewer service requested. The Application Fee is non-refundable 45 days after the submission of the Application. The Application Fee shall be credited against the Administrative Fee set forth in Section 6(a) of this Policy.

(d) The developer must timely notify the District of any changes in the information submitted with the Application.

(e) When the Application is complete and the Application Fee, if applicable, is paid, the District will determine, with the assistance of the District's engineer if necessary, whether the water and sewer service requested is available and whether any off-site water and sewer system improvements must be made to the District's water and sewer system to properly serve the new development and maintain the current level of water and sewer service to the District's existing customers.

(f) When the District has completed its review, the developer will be notified of the preliminary conclusions of the District as to the feasibility of the water and sewer service requested. The District may then issue a Water and Sewer Availability Letter to the developer. The Water and Sewer Availability Letter may be revoked unless the developer enters into a contract with the District and pays all fees assessed by the District within three hundred sixty-five (365) days of the date of the Water and Sewer Availability Letter.

### 3. Conditions on Availability of Water and Sewer Service

(a) In determining whether water and sewer service is available, the District may require that the developer provide an accurate projection of the water demand and sewer treatment needs, by a registered engineer, for the entire development upon the application for the first section or phase of the development.

(b) The District may issue its Water and Sewer Availability Letter with limitations on the maximum amount of water that can be provided to the new development and the maximum amount of wastewater that can be collected and treated for the development. Any maximum limits on water and sewer service for the development shall be included in the water service contract with the developer under Section 4.

### 4. Water and Sewer Service Contract

(a) Before water and sewer system improvements are installed for the new development, the District, with the assistance of the District's attorney if necessary, will then prepare a contract under which water and sewer service will be provided to the development.

(b) The District may incorporate in the water and sewer service contract the maximum amount of water that can be furnished and the maximum amount of wastewater that can be collected and treated by the District. In the event the developer's demand for water and sewer service exceeds the developer's projection of demand during the build out of the

development, the District shall have no obligation to furnish water or provide wastewater collection and treatment in excess of the amounts set forth in the water and sewer service contract. Any request for water and sewer service in excess of the amounts projected by the developer and included in the Water and Sewer Service Contract shall be treated as a new request for water and sewer service under this Policy.

(c) A Water and Sewer Service Contract cannot be assigned to any successor in interest of the developer without the express written consent of the District.

5. Installation of Improvements

(a) **Cost of Installation.** At its own expense and at no cost and expense to the District, the Developer shall furnish, install, lay and construct all on-site and off-site water and sewer system improvements, including all labor and material, as required by the District to be installed to serve the development, to maintain the current level of water and sewer service to existing customers and to meet the District's plan for the level of service to be made available in the general area of the development. The construction and installation of the water and sewer system improvements shall be in strict accordance with the plans, specifications and requirements approved by the District. In addition, the developer shall indemnify the District from any loss or damage that may directly or indirectly result from the installation of water and sewer system improvements by the developer.

(b) **Notification of Construction.** The District shall be notified at least forty-eight (48) hours before construction is to begin. Thereafter, the developer shall notify the District of every day during which construction will be in progress in order for the District's inspector to be on the job site during construction.

(c) **Inspections.** All water and sewer system improvement projects shall be subject to inspection during construction and upon completion of the construction by an authorized representative of the District. Inspection may consist of full-time resident inspection or part-time inspection at the sole discretion of the District. The presence or absence of an inspector during construction does not relieve the developer from adherence to approved plans and specifications. Materials and workmanship found not meeting the requirements of approved plans and specifications shall be immediately brought into conformity with said plans and specifications at the developer's expense.

(d) **Final Inspection.** An authorized representative of the District shall make a final inspection of the water and sewer system improvements for the development after completion to determine acceptability of the work. Before this final inspection can be made, the owner, developer or engineer responsible for the project shall notify the District's Manager in writing that the work has been completed in accordance with approved plans and specifications.

(e) **Final Acceptance.** When the water and sewer system improvements pass the District's final inspection, the District will accept ownership of the completed improvements. The developer shall be responsible for seeing that the person paying the cost of constructing such

improvements shall furnish "as-built" drawings to the District at the end of each phase of water and sewer system construction and prior to final acceptance of water and sewer system improvements by the District. The date of final acceptance shall be that date on which the developer has fulfilled all conditions necessary for final acceptance, including passing a final inspection, submitting "as-built" drawings, payment of all fees due, and the placing of all water and sewer system improvements into service by the District. The District will notify the developer in writing of the date of its acceptance of the completed facilities.

(f) "As-Built" Plans. The developer shall provide the District "as-built" plans, by a registered engineer, which shall be drawn at a scale of one inch equals 50 feet and which shall indicate the location and size of all water and sewer system improvements installed for the development. The location of all water and sewer system improvements must be referenced off of two (2) permanent points such as power poles, right-of-way markers, concrete monuments, iron pins at property corners, drainage culverts, and building corners. The water and sewer system improvements shall also be shown in relationship to the edge of all paved surfaces and all other utilities located within 15 feet of either side of the improvements. All utility easements shall be shown in relationship to the improvements. In the event the actual construction differs from the recorded plat of the development, the developer will prepare and record in the Register's Office of San Diego County a revised plat showing the actual construction with the design features stated above clearly shown. The District may delay water and sewer service until this requirement has been met.

(g) Warranty. The developer shall guarantee all work on the water and sewer system improvements it installs for a period of one (1) year from the date of final acceptance and shall immediately correct any deficiencies in the work due to material or workmanship that occurs during the one-year period. The warranty shall be insured by a maintenance bond in the amount specified by the District secured by an irrevocable bank letter of credit or such similar collateral as approved by the District. When a defect is discovered in any water or sewer system improvement under warranty by the developer, the cost of repairing the defect when performed by the District and the damages caused by the defect will be billed to the developer.

(h) Conveyance of Water and Sewer System Improvements. Upon completion of the construction of the water and sewer improvements, upon final approval by the District, and upon the water and sewer system improvements being placed into service, the water and sewer system improvements shall immediately become the property of the District regardless of whether or not a formal written conveyance has been made. The developer and any other persons paying the cost of constructing such improvements shall execute all written instruments requested by the District necessary to provide evidence of the District's title to such improvements, including obtaining any lien releases from the material suppliers and subcontractors of the developer and/or its contractor. The water and sewer system improvements shall become the property of the District free and clear of the claims of any persons, firms, or corporations.

6. Assessments and Collection of Fees and Charges:

(a) New Development Administrative Fee. The developer shall pay the District an Administrative Fee to cover the administrative, inspection, engineering, legal and other expenses incurred by the District related to making water and sewer service available to the development. The Administrative Fee shall be paid on or before the execution of the Water Service Agreement and Sewer Service Agreement. For developments which request water and sewer service for a larger new development, the application fee paid under Section 2(c) shall be credited against the Administrative Fee.

(b) New Development Impact Fee for Water Infrastructure (Water Capacity Fee). A Water Capacity Fee shall be paid for every new connection to the District's water system and also by customers who change their meter size to a larger meter, which shall be considered a new connection. Water Capacity Fees are one-time charges assessed for new water customers to recover a proportional share of the capital costs already incurred to provide service capacity to new customers. These charges shall be imposed to fund water system capacity improvement costs reasonably related to new development. Water Capacity Fees shall be paid on or before the execution of the Water Service Agreement. If a customer switches to a smaller meter, no credit for any Water Capacity Fee previously paid will be provided for a smaller meter.

(c) New Development Impact Fee for Sewer and Wastewater Treatment Infrastructure (Sewer Capacity Fee). A Sewer Capacity Fee shall be paid on all new connections to the District's sewer system. Sewer Capacity Fees are one-time charges assessed for new sewer customers to recover a proportional share of the capital costs incurred to provide service capacity to new customers. These charges shall be imposed to fund sewer system infrastructure improvement costs reasonably related to new development. The Sewer Capacity Fee shall be paid on or before the execution of the Sewer Service Agreement.

(d) New Development Connection Fee (Connection Fee). The Connection Fee is based on the actual cost of the materials required for a new meter service. The Connection Fee shall be paid prior to the time actual water and sewer service is established to each new connection. Residential connections using 3/4" or 1" meters shall pay a standard Connection Fee that includes allocated, per connection, direct labor costs, materials, supplies, and equipment expenses and an allowance for indirect costs. All other connections using larger size meters will pay a custom Connection Fee based on the direct and indirect costs and expenses particular to that connection. If a customer switches to a smaller meter, no credit for any Connection Fee previously paid will be provided for a smaller meter

(e) No refunds. The developer shall have no right to recover any fees or charges paid to the District or any right to recover any part of the costs and expenses incurred in installing water system improvements or sewer system improvements for the development.

(f) Schedule of Fees and Charges. A current published schedule of fees and charges, as amended from time-to-time by the District, shall be used to determine the fee amounts assessed for each new development.

7. Approval of Final Plat

The District will not sign a "Final Plat" of the development for submission to the appropriate Planning Commission until the water and sewer system improvements for the development have been constructed, inspected and accepted for use by the District or until a performance bond secured by an irrevocable bank letter of credit issued by a bank with offices in San Diego County, California, or secured by other security specifically approved by the Board of Directors has been posted equal to the estimated cost of all necessary improvements and in favor of the District, the Water and Sewer Service Contract has been fully executed, and all applicable fees have been paid. If the development is not a subdivision, the applicable fees must be paid at the time the contract for water and sewer service is signed.

8. Easements

(a) A minimum exclusive easement twenty (20) feet in width must be conveyed to the District for water and sewer main construction and exclusive easements for other water and sewer system improvements must be conveyed to the District as required by the District. All water and sewer lines that are to become the property of the District are to be located off the public right-of-way and within these exclusive easements on private property. All exceptions are to be specifically approved by the Board of Directors or its delegatee. In all such cases where the Board of Directors or its delegatee approves water or sewer line construction within public rights-of-way, the developer shall obtain consent from the political entity having authority over such rights-of-way for such construction.

(b) The expenses of obtaining, preparing and recording easements needed for water and sewer system improvements for the new development will be paid by the developer, including but without limitation, the consideration paid to the landowner. In the event the District must exercise its power of eminent domain to acquire any such easement, the developer will pay all costs, expenses, appraisal fees, expert fees and damage awards for which the District becomes liable, on demand, including its attorney's fees.

(c) The easement grant must be on such terms and in such form and content as approved by the District.

(d) The developer is responsible for acquiring all such easements for both on-site and off-site water and sewer system improvement construction prior to the commencement of water and sewer system improvement construction.

9. Real Property Acquisition

In the event real property must be acquired for the installation of a water storage tank, a sewer treatment system, a pumping station or other water or sewer system improvement for the development, the expenses of obtaining, preparing and recording the real property will be paid by the developer, including, but without limitation, the consideration paid to the land owner. In the event the District must exercise its power of eminent domain to acquire any such real property, the developer will pay all costs, expenses, appraisal fees, expert fees and damage awards for which the District becomes liable, on demand, including its attorney's fees.

10. Meters

(a) The developer shall pay for all water meters in the development, and the District shall install all residential water meters. The developer or lot owner at their expense shall install commercial water meters, defined herein as any meter greater than one (1) inches.

(b) Each family residence or each duplex or other property shall be served with a separate water meter not smaller than  $\frac{3}{4}$  inch in size, except where prior arrangements have been made with the District for apartment complexes, other types of multi-family dwellings, or businesses. In the event an existing water meter serves an apartment complex and/or other business property with units owned and/or occupied by more than one individual, firm, or corporation, the same shall be separated so as to have a meter for each ownership or occupant.

11. Permits

Before beginning construction, the developer or its contractor shall obtain all necessary permits as required by law. Such permits include, but are not limited to, those from State of California and county highway departments and any city in which the development is located.

12. Monthly Charges where Taps have been Installed

(a) After the date of the acceptance of the water and sewer system improvements for a development or for a phase or section of a development, the developer will immediately begin paying the District's monthly dry tap charge for water and/or sewer service or the District's monthly minimum bill for water and/or sewer service set forth in the District's Schedule for Rates and Charges in the development or phase or section of the development until the lot has been sold and the new lot owner begins purchasing water and/or sewer service from the District or begins paying a monthly minimum bill for water and/or sewer service. This monthly dry tap charge or minimum bill shall be paid until more than 50% of the lots or units in the development or phase or section of the development begin purchasing water and/or sewer service from the District or begin paying a monthly minimum bill for water and/or sewer service.

(b) The developer shall include in the restrictive covenants adopted for the development the obligation to pay the District's monthly dry tap charge or minimum bill for

water and/or sewer service as set forth in this section and to create a lien in favor of the District against any individual lot or lots for default in the payment of such charges. The developer agrees to include in the restrictive covenants of the development a provision that allows the District to enforce the lien created by the nonpayment of the dry tap charges or minimum bills. The District shall have the opportunity to review the restrictive covenants and approve the language used in the restrictive covenants for the development before they are submitted to the San Diego County Department of Planning and Development Services, if applicable.

13. Resolution of Disputes

Any controversy or claim arising out of or relating to this Policy or the Water and Sewer Service Contract, or the breach thereof, shall be submitted to the Board of Directors, which may appoint a subcommittee of the Board to negotiate the controversy or claim. If the Board is unable to resolve the dispute by negotiation, the dispute shall be submitted to a mutually acceptable mediator. Mediation shall be required before either party may proceed to any other method of dispute resolution. Costs for mediation shall be shared equally between the parties. The decision of the mediator shall not be final or binding unless agreed to in writing by the parties. All mediation proceedings, results and documentation, shall be non-binding and inadmissible for any purpose in any legal proceeding (pursuant to California Evidence Code sections 1115 through 1128) unless such admission is otherwise agreed to in writing by both parties. If the parties are unable to resolve the dispute by mediation, the dispute shall next be submitted to arbitration administered by the American Arbitration Association under its Commercial Arbitration Rules, and judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. All water and sewer service contracts shall contain a dispute resolution clause which requires that any controversy or claim arising out of or relating to the Water and Sewer Service Contract, or the breach thereof, shall be settled using the process set forth in this Section 13.

## Possible schedule of New Development Policy process

	SCENARIO 1	SCENARIO 2
New Development Adoption Date	1/23/2013	2/27/2013
Publish ad in San Diego Union, 10 days prior to Public Hearing	1/30/2013 and 2/13/2013	3/6/2013 and 3/13/2013
Email notice to interested parties, 14 days prior to Public Hearing	2/12/2013	3/12/2013
Public Hearing	2/27/2013	3/27/2013
Policy goes into affect 60 days after Public Hearing	4/29/2013	5/27/2013



# BORREGO WATER DISTRICT

November 2012

## WATER OPERATIONS REPORT

<u>WELL</u>	<u>TYPE</u>	<u>FLOW RATE</u>	<u>STATUS</u>	<u>COMMENT</u>
ID1-1	Irrigation	150	Standby	Backup well for Rams Hill Golf Course
ID1-2	Irrigation	150	Standby	Backup well for Rams Hill Golf Course
ID1-8	Production	350	In Use	
ID1-10	Production	300	In Use	
ID1-12	Production	950	In Use	
ID1-16	Production	950	Out of Service	
Wilcox	Production	150	Out of Service	Diesel backup well for ID-4
ID4-4	Production	350	In Use	
ID4-10	Production	80	In Use	
ID4-11	Production	1000	Out of Service	Diesel engine drive exercised monthly
ID4-18	Production	250	In Use	
ID5-5	Production	900	In Use	Diesel engine drive exercised monthly

**System Problems:** ID1-Well 16 waiting for pump removal and inspection due to milky water and low production, Wilcox Well pump rebuilt waiting for installation and redevelopment, ID4-WELL 11 Re-Developing well per Engineer's instruction, ID5-Well 5 repaired and returned to service.

## WASTEWATER OPERATIONS REPORT

Rams Hill Water Reclamation Plant serving ID-1, ID-2 and ID-5 Total Cap. 0.25 MGD (million gallons per day):

**Average flow:** 78799 (gallons per day)  
**Peak flow:** 109,496 gpd Saturday November 24th

**All restaurant grease traps were clean.**

**System Problems:** None.



# BORREGO WATER DISTRICT

## WATER PRODUCTION SUMMARY

November 2012

DATE	ID-1	ID-3	ID-4	ID-5	DISTRICT-WIDE TOTALS
Jan-11	39.57	8.20	73.97	5.16	126.90
Feb-11	74.20	9.32	109.79	8.68	201.99
Mar-11	58.59	7.84	93.55	8.57	168.55
Apr-11	109.04	11.86	111.39	16.08	248.37
May-11	107.04	13.94	137.00	21.15	279.13
Jun-11	70.10	14.25	123.58	17.21	225.14
Jul-11	70.47	15.98	136.64	17.81	240.90
Aug-11	56.10	16.67	165.82	22.17	260.76
Sep-11	39.01	15.88	131.35	14.81	201.05
Oct-11	34.11	13.61	143.26	20.58	211.56
Nov-11	30.48	11.67	130.27	11.60	184.02
Dec-11	14.63	11.22	83.50	3.12	112.47
Jan-12	14.14	9.99	93.09	3.60	120.82
Feb-12	15.96	9.75	99.64	4.60	129.95
Mar-12	17.01	9.36	87.22	4.73	118.32
Apr-12	13.47	10.86	101.43	6.86	132.62
May-12	20.98	13.34	131.79	8.31	174.42
Jun-12	31.57	13.84	133.24	5.36	184.01
Jul-12	33.18	14.27	135.30	6.36	189.11
Aug-12	42.43	17.76	157.68	6.35	224.22
Sep-12	27.60	12.72	117.15	3.14	160.61
Oct-12	33.21	12.41	122.78	29.77	198.17
Nov-12	36.38	11.13	100.49	0.00	148.00
Dec-12					
<b>12 Mo. TOTAL</b>	<b>300.56</b>	<b>146.65</b>	<b>1363.31</b>	<b>82.20</b>	<b>1892.72</b>

*Totals reflect individual improvement district usage. Interties from ID-3 and ID-5 have been subtracted from well pumpage totals and applied to respective ID's. All figures in Acre Feet of water pumped or recorded on intertie meters.*

## WATER LOSS SUMMARY (%)

DATE	ID-1	ID-3	ID-4	ID-5	DISTRICT-WIDE AVERAGE
Nov-12	1.13	2.16	1.06	N/A	1.45
<b>12 Mo. Average</b>	<b>4.34</b>	<b>0.94</b>	<b>9.97</b>	<b>N/A</b>	<b>5.08</b>

BORREGO WATER DISTRICT  
 Water Production / Use Records  
 ID # 1  
 Month of November 2012

----- Water Production (Acre Feet) -----								
Date	Well 1	Well 2	Well 8	Well 10	Well 12	Well 16	Total	LessID3&4
=====	=====	=====	=====	=====	=====	=====	=====	=====
NOV'11	0.00	0.00	0.00	11.98	30.17	0.00	42.15	30.48
DEC'11	0.00	0.00	0.00	11.21	14.27	0.37	25.85	14.63
JAN'12	0.00	0.00	0.00	10.81	13.22	0.10	24.13	14.14
FEB'12	0.00	0.00	0.00	10.06	15.31	0.34	25.71	15.96
MAR'12	0.00	0.00	0.00	9.63	15.90	0.84	26.37	17.01
APR'12	0.00	0.00	3.62	10.87	9.73	0.11	24.33	13.47
MAY'12	0.00	0.00	0.13	14.08	20.06	0.05	34.32	20.98
JUN'12	0.00	0.00	2.87	14.49	28.02	0.03	45.41	31.57
JUL'12	0.00	0.00	6.08	11.61	26.17	3.59	47.45	33.18
AUG'12	0.00	0.00	18.07	10.85	24.02	7.25	60.19	42.43
SEP'12	0.00	0.00	3.42	13.39	23.42	0.09	40.32	27.60
OCT'12	0.00	0.00	0.06	11.28	35.72	0.12	47.18	33.21
NOV'12	0.00	0.00	0.04	12.18	63.65	0.04	75.91	36.38
TOTALS	0.00	0.00	34.29	140.46	289.49	12.93	477.17	300.56
=====	=====	=====	=====	=====	=====	=====	=====	=====

----- Water Use (Acre Feet) -----									
Date	Domestic	Irrigat'n	Constrt'n	Golf Course	ID 3	ID 4	Total	Water Loss	% Loss
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
NOV'11	10.64	17.13	0.00	0.00	11.67	0.00	39.44	2.71	6.43%
DEC'11	8.88	4.81	0.00	0.00	11.22	0.00	24.91	0.94	3.59%
JAN'12	7.35	4.79	0.00	0.00	9.99	0.00	22.13	2.00	8.33%
FEB'12	6.75	6.61	0.00	0.00	9.75	0.00	23.11	2.60	10.11%
MAR'12	7.62	7.03	0.00	0.00	9.36	0.00	24.01	2.36	8.94%
APR'12	8.23	5.28	0.00	0.00	10.86	0.00	24.37	-.04	-.16%
MAY'12	9.40	9.97	0.00	0.00	13.34	0.00	32.71	1.61	4.67%
JUN'12	10.59	17.56	0.00	0.00	13.84	0.00	41.99	3.42	7.55%
JUL'12	10.81	21.21	0.00	0.00	14.27	0.00	46.29	1.16	2.42%
AUG'12	13.63	27.13	0.00	0.00	17.76	0.00	58.52	1.67	2.77%
SEP'12	10.87	13.61	0.00	0.00	12.72	0.00	37.20	3.12	7.70%
OCT'12	10.94	21.21	0.00	0.00	12.41	1.56	46.12	1.06	2.24%
NOV'12	10.37	25.16	0.00	0.00	11.13	28.40	75.06	0.85	1.13%
TOTALS	115.44	164.37	0.00	0.00	146.65	29.96	456.42	20.75	4.34%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

BORREGO WATER DISTRICT  
 Water Production / Use Records  
 ID # 3  
 Month of November 2012

Date	La Casa del Zorro Total Acre Feet		Deep Well Trail / Others Acre Feet			Total Irrigat'n	Total Domestic	Total Acre Feet
	Irrigat'n	Domestic	Irrigat'n	Domestic	Total			
NOV'11	0.00	0.67	1.09	9.17	10.26	1.09	9.84	10.93
DEC'11	0.00	0.68	0.69	10.51	11.20	0.69	11.19	11.88
JAN'12	0.00	0.65	0.78	8.55	9.33	0.78	9.20	9.98
FEB'12	0.00	0.64	1.65	7.94	9.59	1.65	8.58	10.23
MAR'12	0.00	0.65	- .20	9.08	8.88	- .20	9.73	9.53
APR'12	0.00	0.64	0.46	8.81	9.27	0.46	9.45	9.91
MAY'12	0.00	0.62	0.59	12.08	12.67	0.59	12.70	13.29
JUN'12	0.00	0.70	1.21	11.67	12.88	1.21	12.37	13.58
JUL'12	0.00	0.63	0.90	12.47	13.37	0.90	13.10	14.00
AUG'12	0.00	0.55	0.86	15.17	16.03	0.86	15.72	16.58
SEP'12	0.00	0.18	0.83	12.24	13.07	0.83	12.42	13.25
OCT'12	0.00	0.20	0.99	10.96	11.95	0.99	11.16	12.15
NOV'12	0.00	0.21	0.99	9.69	10.68	0.99	9.90	10.89
TOTALS	0.00	6.35	9.75	129.17	138.92	9.75	135.52	145.27

Date	Water Produced Acre Feet	Water Delivered Acre Feet	Wtr Loss	% Loss
NOV'11	11.67	10.93	0.74	6.34%
DEC'11	11.22	11.88	-.66	-5.88%
JAN'12	9.99	9.98	0.01	0.10%
FEB'12	9.75	10.23	-.48	-4.92%
MAR'12	9.36	9.53	-.17	-1.82%
APR'12	10.86	9.91	0.95	8.75%
MAY'12	13.34	13.29	0.05	0.37%
JUN'12	13.84	13.58	0.26	1.88%
JUL'12	14.27	14.00	0.27	1.89%
AUG'12	17.76	16.58	1.18	6.64%
SEP'12	12.72	13.25	-.53	-4.17%
OCT'12	12.41	12.15	0.26	2.10%
NOV'12	11.13	10.89	0.24	2.16%
TOTALS	146.65	145.27	1.38	0.94%

BORREGO WATER DISTRICT  
 Water Production / Use Records  
 ID # 4  
 Month of November 2012

----- Water Production (Acre Feet) -----											
Date	Well 2	Well 3	Well 4	Well 5	Well 10	Well 11	Well 18	Wilcox	Well 85	Total	Less ID5
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
NOV'11	0.00	0.00	40.36	16.18	11.47	69.54	4.30	0.02	0.00	141.87	130.27
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
DEC'11	0.00	0.00	12.46	5.25	9.83	56.02	3.06	0.00	0.00	86.62	83.50
JAN'12	0.00	0.00	5.30	5.59	10.57	71.03	4.20	0.00	0.00	96.69	93.09
FEB'12	0.00	0.00	17.01	6.63	11.49	65.00	4.01	0.10	0.00	104.24	99.64
MAR'12	0.00	0.00	46.33	6.57	9.54	26.24	3.27	0.00	0.00	91.95	87.22
APR'12	0.00	0.00	53.20	10.21	10.05	31.54	3.29	0.00	0.00	108.29	101.43
MAY'12	0.00	0.00	59.32	57.53	11.01	1.79	10.45	0.00	0.00	140.10	131.79
JUN'12	0.00	0.00	51.41	44.43	9.67	24.96	8.13	0.00	0.00	138.60	133.24
JUL'12	0.00	0.00	50.47	17.73	8.96	59.32	5.18	0.00	0.00	141.66	135.30
AUG'12	0.00	0.00	56.62	16.64	10.48	75.26	5.03	0.00	0.00	164.03	157.68
SEP'12	0.00	0.00	49.77	22.79	8.64	32.32	6.77	0.00	0.00	120.29	117.15
OCT'12	0.00	0.00	57.69	57.66	11.31	5.96	19.93	0.00	0.00	152.55	122.78
NOV'12	0.00	0.00	51.45	24.80	9.97	0.00	14.27	0.00	0.00	100.49	100.49
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TOTALS	0.00	0.00	511.03	275.83	121.52	449.44	87.59	0.10	0.00	1445.51	1363.31
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

Date	Water Produced Acre Feet	Water Use Acre Feet	Wtr Loss	% Loss	ID 5 Acre Feet
=====	=====	=====	=====	=====	=====
NOV'11	141.87	121.13	20.74	14.62%	11.60
-----	-----	-----	-----	-----	-----
DEC'11	86.62	75.33	11.29	13.03%	3.12
JAN'12	96.69	80.38	16.31	16.87%	3.60
FEB'12	104.24	88.08	16.16	15.50%	4.60
MAR'12	91.95	79.00	12.95	14.08%	4.73
APR'12	108.29	92.49	15.80	14.59%	6.86
MAY'12	140.10	123.13	16.97	12.11%	8.31
JUN'12	138.60	121.98	16.62	11.99%	5.36
JUL'12	141.66	126.38	15.28	10.79%	6.36
AUG'12	164.03	139.07	24.96	15.22%	6.35
SEP'12	120.29	117.67	2.62	2.18%	3.14
OCT'12	152.55	158.47	-5.92	-3.88%	29.77
NOV'12	100.49	99.42	1.07	1.06%	0.00
-----	-----	-----	-----	-----	-----
TOTALS	1445.51	1301.40	144.11	9.97%	82.20
=====	=====	=====	=====	=====	=====