## **AGENDA**

## Borrego Water District Board of Directors Regular Meeting December 16, 2015 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 October 28, 2015 (3-6) Regular meeting of November 18, 2015 (7-9)

- 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:

## II. CURRENT BUSINESS MATTERS

- A. Presentation of President's Special Recognition Awards from ACWA/JPIA (11-14)
- **B.** Update on Basin Boundary Adjustment process
- C. Discussion of progress meeting the Executive Order B-29-15 requiring a 25% mandatory reduction in water use by the District
- **D.** Discussion of FY 2017-FY FY2021 rate study time line and data request (15)
- **E.** Discussion of Groundwater Sustainability Plan (GSP) development costs sharing among municipal, recreation and agricultural groundwater users (16-24)
- F. Report from Ad Hoc Citizen's Committee regarding water conservation policy recommendations (25-34)
- G. Consideration and possible approval of process for handling claims received for Tier 2 refunds. (35)
- **H.** Review of planning calendar (36-37)

## III. STAFF REPORTS

- A. Financial Reports November 2015 (39-54)
- **B.** General Manager / Operations Report (55-56)
- C. Water and Wastewater Operations Report November 2015 (57)
- **D.** Water Production/Use Records November 2015 (58-61)

## IV. ATTORNEY'S REPORT

## V. COMMITTEE REPORTS & PROPOSALS:

## **Ad Hoc Committees**

1.	Audit Committee	(L. Brecht, Tatusko)
2.	Due-Diligence	(L. Brecht, Tatusko)
3.	Strategic Planning Committee	(Hart, L. Brecht)
4.	Executive Committee	(Estep, Hart)
5.	Operations & Management Committee	(Delahay, Tatusko)
6.	Parks Committee	(Hart, Estep)

7. CFD Committee

8. Conservation Committee

(Estep, Delahay) (Hart, Tatusko)

## VI. INFORMATIONAL ITEMS

**A.** Article for the Borrego Sun by Jim Melvin (62-64)

## VII. CLOSING PROCEDURE

The next Special Meeting of the Board of Directors is scheduled for January 19, 2016 at the Borrego Water District The next Regular Meeting of the Board of Directors is scheduled for January 27, 2016 at the Borrego Water District

Teleconference Site: 7815 Rush Rose Drive, #302, Carlsbad, CA 92009

## Borrego Water District MINUTES

## Regular Meeting of the Board of Directors Wednesday, October 28, 2015 9:00 AM

806 Palm Canyon Drive Borrego Springs, CA 92004

## I. OPENING PROCEDURES

A. Call to Order: President Hart called the meeting to order at 9:00 a.m.

**B.** Pledge of Allegiance: Those present stood for the Pledge of Allegiance.

C. Roll Call: Directors: Present: President Hart, Vice-President Brecht,

Secretary/Treasurer Tatusko, Delahay

Absent: Estep

Staff: Jerry Rolwing, General Manager

Kim Pitman, Administration Manager Diana Del Bono, Administrative Assistant

Wendy Quinn, Recording Secretary

Public: Julie Taylor Ray Shindler

Jeannie Beck, Borrego Sun Harry Ehrlich

Dennis Daoust Trey Driscoll, Dudek
Jack Simes, Bureau of
Reclamation Reclamation

D. Approval of Agenda: MSC: Brecht/Tatusko approving the Agenda as written.

E. Approval of Minutes:

Special meeting of September 15, 2015

MSC: Brecht/Delahay approving the Minutes of the Special Meeting of September 15, 2015 as corrected (Item II.A, paragraph 2, delete the last sentence; Item II.D, second sentence, change in part to read, "He asked that the Operations and Management Committee also review extend the Capital Improvement Plan . . ."; Item II.E, second sentence, change 2007 to 2010; fourth sentence, change in part to read, ". . . the Calpers pension plan should be increased from \$300,000 to \$669,000; next-to-the-last sentence, change to read, "The reserves should potential cost may be \$172,000, depending on how far back a claimant may be entitled to reimbursement.")

Regular meeting of September 23, 2015

MSC: Brecht/Delahay approving the Minutes of the Regular Meeting of September 23, 2015 as corrected (Item I.H, next-to-the-last sentence, change in part to read, "... potable and nonpotable water lines are cross connected"; Item II.G, second sentence, change in part to read, "deferrals of repair and replacement rehabilitation may be necessary"; next-to-the-last sentence, change "operations and maintenance" to "repair and replacement"; Item II.H, last paragraph on Board package page 8/Minutes page 3, delete the second sentence; Item III.A, next-to-the-last sentence, change "Viking Ranch" to "Compass Bank"; Item V.1, first paragraph, change \$199,000 to \$699,000; second paragraph, change Rudy Monica to Viking Ranch"). Director Tatusko voted against the motion, and all other Directors present voted in favor.

F. Comments from Directors and Requests for Future Agenda Items: None

G. Comments from the Public and Requests for Future Agenda Items: Ray Shindler spoke about the pros and cons of adjudication based on his conversations with a water attorney and several other districts. Water loss is a possible outcome that some districts experienced and

Minutes: October 28, 2015

some didn't, and legal fees associated with adjudication are expensive. Some districts that negotiated stipulated adjudication said if they had it to do over they would go with a GSP.

Dennis Daoust asked why his potential refund of Tier 2 rates covered a three-year period, not four. President Hart explained that the State requires only three years as a statute of limitations on claims. Mr. Daoust stated that his attorney felt the District should pay him interest, and President Hart agreed to check with the District's counsel.

H. <u>Correspondence</u>: Jerry Rolwing referred to a letter from Robin Michaelson Fiduciary Services, LLC, on behalf of their clients. They are interested in donating a 0.67-acre parcel of land at Borrego Springs Road and Ynez Path to the District for charitable tax deduction purposes. The District would lose only \$33 per year in taxes and would incur no liability if the property is not altered. It might be a good site for a future booster station. The Board directed Mr. Rolwing to accept the offer.

## II. CURRENT BUSINESS MATTERS

A. Discussion of comment letters submitted to Department of Water Resources on the Draft Critical Overdraft for Borrego Valley Basin: Mr. Rolwing explained that the DWR has reconsidered its earlier determination that the Borrego Basin is not in critical overdraft and has proposed to designate it as critical. If approved, this would move the District's GSP due date from 2022 to 2020 and improve chances of grant funding. Imperial County is concerned about the proposed designation because they are now included in the Borrego Basin and are not in overdraft. BWD is working with Imperial County to change the basin boundaries and exclude them. AAWARE has expressed opposition to the critical designation.

Jack Simes and Jack Hartman from the Bureau of Reclamation joined the meeting. Mr. Simes reported that he hoped the BOR's Southeast Regional California Basin Study would be released in November and available on the BOR website. Among other things, the study addresses possible solutions to the aquifer overdraft.

- B. Discussion of Groundwater Sustainability Plan (GSP) process and incorporation of water credit program: Mr. Rolwing reported that the District has applied to be a GSA and expects the County of San Diego to do so as well. The two agencies will work together. Imperial County has already applied, and if the proposed boundary adjustment is not approved, BWD and the County of San Diego will work with them also. A facilitator from the State Water Resources Control Board is assisting with development of the GSP, and a series of public meetings is planned. The District needs to incorporate the water credit program into the GSP, and Director Tatusko is working with Mr. Rolwing and Trey Driscoll of Dudek on this. Discussion followed regarding potential grant funds for GSP development, including the Water Rights Fund and Proposition 1. Mr. Shindler will check into the Water Rights Fund, and Mr. Driscoll will check with Dudek's grant specialist.
- C. Discussion of a Groundwater Sustainability Agency (GSA) regulatory fee to complete the development of a Groundwater Sustainability Plan (GSP) as required under the Sustainable Groundwater Management Act (SGMA): Mr. Rolwing explained that upon the District's approval as a GSA, it can track pumping in the valley and collect fees to fund the GSP development. Director Brecht asked whether GSP development costs expended prior to GSA approval could be reimbursed from these fees, and Mr. Rolwing agreed to check. Director Tatusko recommended that the District begin work on putting regulatory fees into effect, and the Board concurred. Director Brecht requested that the Groundwater Sustainability Plan (GSP) Development Costs Estimate (Board package page 18) be amended to change the last item from "All Pumpers (including District)" to "Remaining GSP Development Costs."
- **D.** <u>Discussion of Raftelis Blended Share model of cost distribution for the GSP:</u> Mr. Rolwing presented an interactive slide show depicting various cost distribution scenarios for GSP development. Various percentage contributions could be plugged into the categories of Minutes: October 28, 2015

acreage, assessed value and estimated water use. Further discussion will be included in the next Agenda.

- E. Discussion and possible approval of a budget to retain Dudek to complete its work on the Borrego Valley Groundwater Basin (BVGB) boundary adjustment and economic work on the costs associated with groundwater supply and quality necessary for Raftelis to begin its rate-tier modeling work for a 2016 Proposition 218 process: Director Brecht invited the Board's attention to a handout, Dudek's proposal for the referenced support. The tasks outlined would prepare for the basin boundary adjustment application in January and also support Raftelis in preparing for the 218 process by justifying tiered rates based on costs associated with the depletion of a capital asset (water) by high users. MSC: Tatusko/Delahay approving the contract with Dudek according to their October 27, 2015 proposal for a cost not to exceed \$89,020.
- F. Discussion of progress meeting the Executive Order B-29-15 requiring a 25% mandatory reduction in water use by the District: Mr. Rolwing announced a ten percent reduction in water use through the end of September. Director Brecht questioned whether all high water users should be penalized. There are some beautifully landscaped yards in area which benefit the community, and their owners are willing to pay to irrigate them. He suggested perhaps a better approach would be to purchase farmland and fallow it. Harry Ehrlich stated that the citizens committee is looking into this and should have a report by the December meeting. Mr. Rolwing emphasized the importance of water conservation education. President Hart reported that Riverside County has filed a lawsuit seeking exemption from the Executive Order on the grounds that they have sufficient groundwater. Mr. Rolwing agreed to follow up.
- G. Consideration and possible approval of process for handling claims received for Tier 2 refunds: Director Tatusko explained that the prior "tiered rates" were actually conservation fees but put into a tiered structure. The funds were used for conservation rebates. Director Brecht pointed out that the San Juan Capistrano court case did not actually relate to tiered rates, but to the failure of the City to create a nexus between its rates and the cost of providing water. BWD will probably return to tiered rates because such a nexus exists, but rebates are being offered because the analysis wasn't done earlier. MSC: Brecht/Delahay approving the six claims totaling \$8,006.37 as outlined in Ms. Pitman's memo to the Board dated October 28, 2015.
- H. <u>Discussion and possible approval of Resolution 2015-10-03 REVISING THE SCHEDULE OF REGULAR MEETINGS</u> to meet on November 18<sup>th</sup> and December 16<sup>th</sup>, 2015: MSC: Brecht/Delahay approving Resolution 2015-10-03 Revising the Schedule of Regular Meetings to meet on November 18<sup>th</sup> and December 16<sup>th</sup>, 2015.
- I. Review of planning calendar: Director Brecht asked that the audit report be forwarded to Compass Bank and Andrew Ciocca.

## III. STAFF REPORTS

- **A.** Financial Reports September 2015: Ms. Pitman reported that water revenues are down slightly. Two medical insurance payments were sent accidentally so there will be none next month. The solar project is under budget.
- **B.** General Manager/Operations Report: Mr. Rolwing reported on a GSP Workshop he attended on October 21. The GSP regulations are expected by June 2016, with a draft to be released earlier. BWD is now Number 4 on the San Diego Gas & Electric rebate list for its solar project. The rebate would be \$65,000 over five years.
- C. Water and Wastewater Operations Report September 2015: Mr. Rolwing reported a couple of breaks in the line on Country Club Road.
- **D.** Water Production/Use Records September 2015: The Water Production/Use Records were included in the Board package.

Minutes: October 28, 2015

## IV. ATTORNEY'S REPORT

None

## V. COMMITTEE REPORTS & PROPOSALS

## Ad Hoc Committees

1. Audit Committee

Director Tatusko reported that the audit had been accepted.

2. Due-Diligence

Director Brecht reported the Committee was working with Dudek and Raftelis on the water credit policy.

3. Strategic Planning Committee/IRWM

Director Brecht reported the Committee was interacting with the County on the GSA issue and working with the Borrego Water Coalition.

4. Executive Committee

President Hart reported that the Committee had worked with Ms. Pitman on the letter to Tier 2 users regarding the availability of refund claims.

5. Operations & Management Committee

Director Tatusko requested a meeting with Mr. Rolwing and Greg Holloway regarding Capital Improvement Program costs.

6. Parks Committee

Director Brecht asked whether the District should provide input concerning the proposed new park in Borrego Springs. Director Tatusko stated that he had attended a meeting on the subject and sent an e-mail recommending restrooms. President Hart added that the Committee plans to obtain additional information.

7. CFD Committee

No report.

8. Conservation Committee

Conservation Committee issues were discussed previously.

## VI. INFORMATION ITEMS

A. <u>DRAFT discussion document</u>: <u>Economics of Overdraft</u> prepared by <u>Director Brecht</u>. This discussion deck is <u>Director Brecht's own analysis based on his research and not representative of the District or the Board's views</u>: <u>Director Brecht's discussion document was included in the Board package</u>.

## VII. CLOSING PROCEDURE

There being no further business, the Board adjourned at 11:40 a.m. The next Regular Meeting of the Board of Directors is scheduled for November 18, 2015 at the Borrego Water District.

Minutes: October 28, 2015

## Borrego Water District MINUTES

## Regular Meeting of the Board of Directors Wednesday, November 18, 2015 9:00 AM

806 Palm Canyon Drive Borrego Springs, CA 92004

## I. OPENING PROCEDURES

A. Call to Order: President Hart called the meeting to order at 9:00 a.m.

B. <u>Pledge of Allegiance</u>: Those present stood for the Pledge of Allegiance.

C. Roll Call: <u>Directors:</u> President Hart, Vice-President Brecht,

Secretary/Treasurer Tatusko, Delahay, Estep

Staff: Jerry Rolwing, General Manager

Kim Pitman, Administration Manager Diana Del Bono, Administrative Assistant

Wendy Quinn, Recording Secretary

Public: Ray Shindler Trey Driscoll, Dudek

D. Approval of Agenda: MSC: Brecht/Tatusko approving the Agenda as written.

E. Approval of Minutes:

Special meeting of October 20, 2015

MSC: Brecht/Delahay approving the Minutes of the Special Meeting of October 20, 2015 as corrected (Item II.C, paragraph 3, line 3, change the word "aquifer" to "basin"; Item II.H, first line on Minutes page 3/Board package page 5, change in part to read, ". . . review the California Drought Contingency Plan and information from the National Drought Mitigation Center.")

- F. Comments from Directors and Requests for Future Agenda Items: None
- G. Comments from the Public and Requests for Future Agenda Items: Ray Shindler reported that The Springs golf course had removed a considerable amount of turf, and he planned to talk to representatives of the Borrego Springs and De Anza Country Clubs about doing the same. He further reported a conversation with a Borrego Water Coalition member concerning a stipulated agreement to buy farmers' water, a plan which Mr. Shindler opposed. Director Brecht explained that the District may need to purchase water to use, but not to retire.
  - H. Correspondence: None

## II. CURRENT BUSINESS MATTERS

A. Review of DRAFT discussion deck for Due Diligence Committee conference call with Dudek and Raftelis describing an analytical framework for establishing rate tier requirements that meet Capistrano court case nexus standards: Director Brecht narrated a slide presentation in preparation for the Committee's conference call with Dudek and Raftelis regarding rates. From the San Juan Capistrano court case it is clear that tiered rates must be justified by a nexus between water use levels and costs to the District. Director Brecht explained the difference between water non-volumetric charges (basic service) and volumetric (potable water, energy pass through, groundwater planning fee, basin overdraft fee and water use reduction fee). The basic service charge could be based on the American Waterworks Association (AWWA) capacity factor according to meter size. Director Brecht hoped to keep this fee constant over the next five years and possible lower it. He also suggested consideration of four tiers. Dudek may be asked to come up with a replacement cost for groundwater, a capital asset which is being depleted and may require additional treatment in the future. Non-residential tiers will be considered, and Director Delahay pointed out that those costs could be passed on to

Minutes: November 18, 2015

consumers. Director Brecht went on to address sewer and wastewater treatment, meter size capacity factors and sample non-residential tiers from Rancho Cucamonga. He also touched on water use reduction fees in the event of a drought emergency, general water supply shortage or excessive wastage. Droughts could be classified into three stages of severity, and water use reduction fees could be classified into four stages depending on the level of water use restriction. In conclusion, Director Brecht asked what's next in order to meet the San Juan Capistrano court case nexus requirement. Dudek, District Counsel and Raftelis will need to work together. Discussion followed regarding a proposed task for District Counsel, development of a District policy to include the costs of supply and quality in its tiers, and whether this was necessary. President Hart asked Director Estep to discuss the issue with Morgan Foley and the Executive Committee, then report the conclusions to the Due Diligence Committee. It was agreed to schedule the conference call with the Due Diligence Committee, Dudek and Raftelis after Thanksgiving.

- **B.** Discussion of Groundwater Sustainability Plan (GSP) process and incorporation of water credit program: Director Brecht reported that a 4:1 water mitigation ratio was supported by Dudek's research. Now the value of the credits and the District's policy need to be addressed. President Hart added that we need to look at the different types of credit. Mr. Rolwing stated that he had discussed changes to the water credit policy with David Aladjem, who suggested the possibility of a phased approach. Mr. Rolwing hoped to be able to offer credits for water use reduction.
- C. <u>Discussion of progress meeting the Executive Order B-29-15 requiring a 25% mandatory reduction in water use by the District:</u> Mr. Rolwing reported a 17 percent reduction in October, but due to the 14 percent increase in September the overall reduction is 11 percent. The District's report to the State is due December 15, and Director Brecht recommended including a narrative. Mr. Rolwing is working on this with Mr. Aladjem and will submit it to the Strategic Planning Committee for review prior to submission.
- D. Consideration and possible approval of process for handling claims received for Tier 2 refunds: Kim Pitman reported that 45 claims were received in October for a total of \$24,250.80. MSC: Brecht/Delahay approving the claims as reported.
- E. Review of planning calendar: Director Brecht submitted written changes to Diana Del Bono.

## III. STAFF REPORTS

- A. <u>Financial Reports October 2015:</u> Ms. Pitman reported that salaries were up slightly because of work at Rams Hill on the entrance irrigation. A booster station motor to assist in getting water to Indian Head will be an expense in November. A new truck was purchased, and the final payment was made to USGS.
- **B.** General Manager/Operations Report: Mr. Rolwing invited the Board's attention to his written report in the Board package. The main item of interest was evaluation of the water credit program, and an inventory was included in his report. The "critical" designation for the Borrego Basin overdraft has not yet been determined. DWR will be evaluating all GSA applications for completeness and any overlap. The BWD solar facility is still Number 4 on SDG&E's list for rebates.
- C. Water and Wastewater Operations Report October 2015: Mr. Rolwing reported an issue with the 800 Tank, which has experienced continuing problems. The contractor has inspected it and will submit a plan to the District.
- **D.** Water Production/Use Records October 2015: The Water Production/Use Records were included in the Board package.

Minutes: November 18, 2015

## IV. ATTORNEY'S REPORT

None

## V. COMMITTEE REPORTS & PROPOSALS

Ad Hoc Committees

1. Audit Committee

No report.

2. Due-Diligence

Director Brecht reported the Committee was working on GSP costs.

3. Strategic Planning Committee/IRWM

President Hart reported that the Committee would be meeting with the County tomorrow to work on a framework for a GSA overlap agreement.

4. Executive Committee

President Hart reminded the Board that the Committee would be contacting Mr. Foley.

5. Operations & Management Committee

Director Delahay reported that the Committee had been meeting with the citizens group. Director Tatusko added that they had also discussed the budget and the solar facilities.

6. Parks Committee

President Hart sent an e-mail to the County Parks and Recreation Department and received a reply that they received it and will take it into consideration. She further noted that the District's contract with Club Circle will end next year, and asked Director Estep to urge the Homeowners Association to address the golf course operation issue.

7. CFD Committee

Mr. Rolwing reported that the Rams Hill bonds would be going through a restructuring.

8. Conservation Committee

Director Tatusko reported on recent low flow appliance installations.

## VI. INFORMATION ITEMS

**A.** <u>Toilet and Turf Rebates from Department of Water Resources:</u> President Hart announced that she and Director Tatusko were willing to help those who needed it to apply for rebates, which requires computer expertise.

## 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 16, 2015 at the Borrego Water District.

Minutes: November 18, 2015





## December 4, 2015

JOINT POWERS
INSURANCE AUTHORITY

P. O. Box 619082 Roseville, CA 95661-9082

> phone 916.786.5742 800.231.5742

> direct line 916.774.7050 800.535.7899

> general fax 916.774.7040

> claims fax 916.786.0209

www.acwajpia.com

President
E.G. "Jerry" Gladbach

Vice President
Tom Cuquet

Chief Executive Officer
Walter "Andy" Sells

Executive Committee
Tom Cuquet
David Drake
E.G. "Jerry" Gladbach
David T. Hodgin
W.D. "Bill" Knutson

Melody A. McDonald Charles W. Muse J. Bruce Rupp Kathleen J. Tiegs Jerry Rolwing Borrego Water District P.O. Box 1870 Borrego Springs, CA 92004-1870

Dear Jerry:

Each year at Fall Conference, the JPIA recognizes members that have a Loss Ratio of 20% or less in either of the Liability, Property, or Workers' Compensation programs (loss ratio = total losses / total premiums).

The members with this distinction receive the "President's Special Recognition Award" certificate for each Program that they qualify in.

The JPIA is extremely pleased to present Borrego Water District with this special recognition and commends the District on the hard work in reducing claims.

Congratulations to you, your staff, Board, and District. Keep up the good work!

The JPIA wishes you the best in 2016.

Sincerely,

walt "Andy Soll

Walter "Andy" Sells Chief Executive Officer

Enclosure: President's Special Recognition Award(s)



The President of the

ACWA Joint Powers Insurance Authority

hereby gives Special Recognition to

## Borrego Water District

for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums" in the Liability Program for the period 10/01/2011-09/30/2014 announced at the Board of Directors' Meeting in Indian Wells

E. I Gerry Eladrach

E. G. "Jerry" Gladbach, President



November 30, 2015

## President's Special Recognition Award

The President of the

ACWA Joint Powers Insurance Authority

hereby gives Special Recognition to

## Borrego Water District

for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums" in the Property Program for the period 04/01/2011-03/31/2014 announced at the Board of Directors' Meeting in Indian Wells

C. S. Herry Stedlinch

E. G. "Jerry" Gladbach, President



November 30, 201.



t t	Date	Milestone	Notes
All required data provided to RFC to meet Proposed Schedule  Preliminary Rates Disseminated  Rates Finalized  Initial Draft Report Disseminated  Prop. 218 Notice Mailed	12-11-2	CIP Provided to RFC	Per 12-7-2015 CC
Preliminary Rates Disseminated Rates Finalized Initial Draft Report Disseminated Prop. 218 Notice Mailed	12-18-20	All required data provided to RFC to meet Proposed Schedule	Includes everything within data request
Rates Finalized Initial Draft Report Disseminated Prop. 218 Notice Mailed	1-29-20	Preliminary Rates Disseminated	Rates will be provided in PowerPoint structure
Initial Draft Report Disseminated Prop. 218 Notice Mailed	2-19-20	Rates Finalized	Final rates for Notice (no changes will occur to hit PH Date)
Prop. 218 Notice Mailed Meets 45	2-24-20	Initial Draft Report Disseminated	1 <sup>st</sup> draft of Report which would be on file in preparation of Prop. 218 Notices
74:1-	2-26-20	Prop. 218 Notice Mailed	Meets 45-day requirement
	March 2	Receive edits and Finalize Report	Edits will be incorporated, but no substantive changes are expected
4-15-2016 Public Hearing Conduct h	4-15-20	Public Hearing	Conduct hearing on proposed rates

Groundwater Sustainability Plan (GSP) Development Costs Estimate

Best Estimate ~\$1,385,000 over ~18 months

## WHO PAYS?

all present basin users pay their fair proportional share

## SHARE OF GSP DEVELOPMENT? WHAT IS FAIR PROPORTIONAL

annual withdrawals

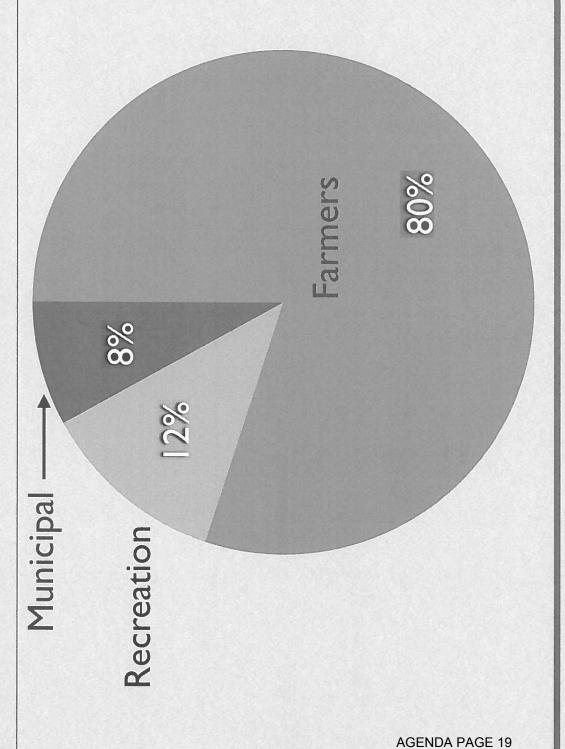
assessed property values

acreage

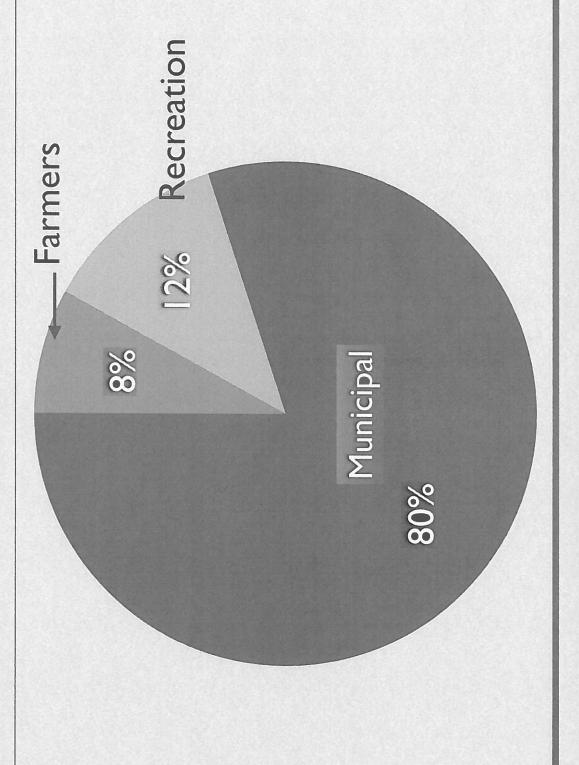
blended proportional share

AGENDA PAGE 18

## PROPORTIONAL SHARE OF ANNUAL WITHDRAWALS



# PROPORTIONAL SHARE OF ASSESSED PROPERTY VALUES

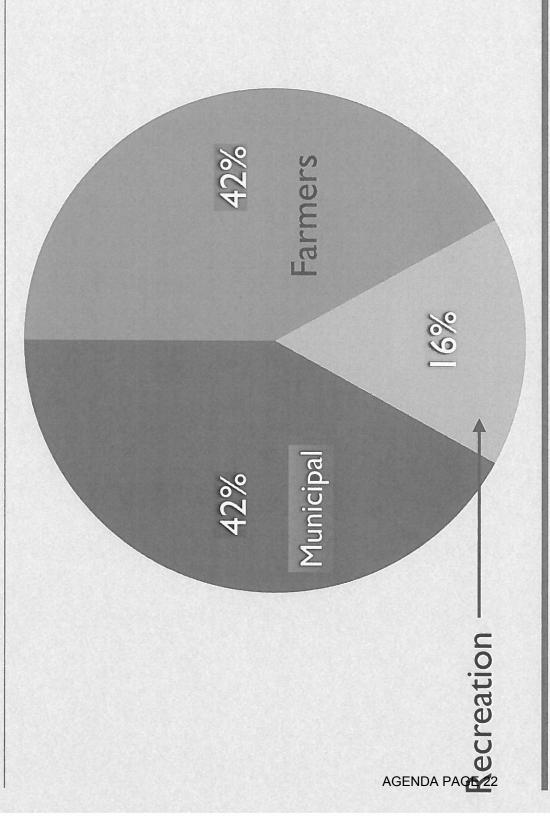


## PROPORTIONAL SHARE OF DWNED ACREAGE

unfair

three largest land owners in Valley - Anza Borrego Desert State Park, Anza-Borrego Foundation and Dennis Avery estate are some of the lowest water users 

## BLENDED PROPORTIONAL SHARE



# BLENDED APPORTIONED COSTS

	FARMERS	RECREATION	MUNICIPAL
SHARE OF TOTAL	\$580,000	\$220,000	\$580,000
ANNUAL SHARE PAID 3-YEARS	\$190,000	\$70,000	\$190,000
ANNUAL SHARE PAID 5-YEARS	\$116,000	\$44,000	\$116,000
COST/ AF OF	\$9,00 - \$14.60	\$11.00 - \$17.50	\$58,00 - \$95,00
DA PAGE 23			

# MUNICIPAL COSTS (ESTIMATED)

DST S				6
MONTHLY COST FOR 5-YEARS	\$0.00	09'1\$~	~\$2.65	>\$4.85
ANNUAL COST FOR 5-YEARS	\$0.00	~\$19.15	~\$31.90	>\$58,00
USAGE (AFY AVERAGE)	0	0,33	0.55	>1.00
# OF RATEPAYERS	141	838	275 AGEI	NDA PAGE 24

December 9, 2015

To: Board of Directors, Borrego Water District

From: Ad Hoc Water Conservation Policy Recommendations Citizen's Committee (Committee)

Subject: Draft Recommendations from the Committee

As you are aware a Committee composed of John Peterson, Harry Ehrlich, Rick Alexander, Julie Taylor, Jerry Rolwing, Dennis Bostad, Ken O'key, Emily Brooks, and Board members Ray Delahey and Joe Tatusko was formed to provide policy recommendations to your Board regarding District efforts toward water conservation. The committee completed a Mission Statement that was approved by your Board on September 23, 2015 (See Attachment #1).

Following this direction the Committee has been meeting over the last several months to draft recommendations to your Board. The Committee identified three topic areas for review: 1) recommendations for baseline water consumption usage, 2) recommendations for potential incentives and disincentives to encourage water consumption, and 3) a proposed public information plan and strategy to help reduce water consumption.

These draft recommendations are attached for your review and consideration. These include Attachment #2 regarding baseline usage, Attachment #3 addressing incentives and disincentives, and Attachment # 4 addressing public information action items.

It is noted that the committee reached consensus on all of these recommendations, however one committee member expressed opposition to the proposed water use baseline recommendations for residential users.

The Committee solicits your direction and recommendations to revise the draft report so that the final report can be presented to your Board at the January 19, 2016 hearing regarding this topic.

Thank you for your consideration.

November 25, 2015

From: Harry Ehrlich and John Peterson

To: Water Advisory Subcommittee

RE: Issues related to Baseline water use

- 1) The task was assigned to Harry and myself to make some recommendations to the committee regarding baseline water use for the five different type of water users. Baseline is defined as the amount of water that would reflect conservative and efficient water use for the use type.
- 2) It is understood that all baselines values for the different use types would be multiplied by .75 (resulting in a savings of 25%) to determine the tier 1 pricing level.
- 3) All baseline usage determination would be appealable to the Water District General Manager and his determination is appealable to the Borrego Water District Board.
- 4) All water demand is given in acre-feet per year and it is understood that this can be modified later for the summer/winter six month period of times.

The different use types include: **Residential, Multiple Units, Public Agencies, Commercial, and Irrigation**.

**Baseline Determination:** 

## Residential:

Typical Residential Use Type is considered to be equivalent to the "normal" ~~6,000 sq ft residential lot. This is just a typical residential home (occupancy up to 3 persons) and water demand includes inside and landscaping around the residential unit. .5 acre-feet per year, which is 218 units of water.

Atypical Residential Use Type includes residential units which clearly do not meet the definitions as provided within Tier one. Examples of which include: 1) existing large lots with established landscaping, 2) parcels located in communities such as De Anza and Rams Hill which require extensive landscaping, 3) existing "estates" which cannot be treated as a "typical" residential home.

For atypical residential units it is recommended that the baseline residential usage (for indoor uses) be assigned a use factor of.3 acre-foot and an additional .5 acre-foot for each acre of improved area as of date of implementation of the conservation water rate program. Any additional improvements or added demand of water would be considered above baseline and subject to additional water rate costs to encourage conservation and generate funds to offset the additional use in other manners and programs. This includes any landscaping expansions initiated following the adoption of these guidelines.

## **Multiple Units:**

This class includes condo, mobile home parks and communities where individual residential units are provided with water from a common meter. Baseline would be determined by usage consumed in 2013. However it is understood that owners have the right to ask for an allowance if occupancy has significantly change (increased by at >10%) within the community.

## **Public Agencies and Commercial:**

This class includes churches, schools, and businesses. Baseline would be determined by usage consumed in 2013.

## Irrigation:

These users includevarious users which irrigate common areas and/or parks. Baseline is calculated via an irrigation evaluation of acreage and irrigation type with known and established efficient use rates. This could be determined via application of the Irrigation Manual from the County of San Diego or other acceptable source. In place of a specific evaluation it could be possible to use an acceptable use rate of ~5.3ac-ft/yr/acfor lawns and turf and ~2.5 ac-ft/yr/acfor ornamental plantings.

Note: All uses shall be subject to reduction from prior demands by 25 % to strive to meet the State Mandated Conservation Standard adopted by the SWRCB in May 2015 or until modified or cancelled.

## Water Conservation Policy Recommendations Citizens Committee Mission Statement

Adopted October 9, 2015

The Mission of the Committee is to develop recommendations to the Borrego Water District (District) Board of Directors for set of water conservation policies to help the District meet a State mandated 25% system wide reduction in water consumption by November 19, 2015. These policies may be applied in coordination with a new set of water rates currently under development, and should rely on a combination of incentives and disincentives, including potential penalties for excessive water use. The policies must be fair and equitable, apply appropriately to all five user group classes which the District serves, Single and multi-family residential, commercial, irrigation/HOAs, and public entities; and provide for flexibility if conditions or requirements change over the course of implementation. The policies should acknowledge conservation actions already undertaken by customers, and include recommendations to provide comprehensive public information and water conservation education programs; and for voluntary conservation actions including landscape management and modifications and actions to reduce indoor water use.

## Water Conservation Policy Recommendations Citizen's Committee Figure 1 – 12/16/2015

# Potential Water Conservation Incentives and Related Actions (BWD-BOD Discussion Draft)

INCENTIVE	APPROPRIATE	OT TSO	OUTSIDE	WATER	PAV OFF	
	for BWD?	DISTRICT	FUNDING	SAVINGS	POTENTIAL	
	Used before ++	6	AVAILABLE?	L-M-H	L-M-H	
Irrigation Audits	++Yes	\$200/audit	USBR***	I	<b>=</b>	-High water conservation/low cost
Irrigation Seminars/Public Info. Materials: Eng. & Span.	++ Yes		AWWA/ACWA	Ξ	Ŧ	-High conservation payoff -Previous Success
Complimentary Rate Structure	No	None		I	Ξ	-Important!/no cost
Turf replacement	++Yes	\$0-2 per sq'	CA-DWR**	Ι	Ξ	-High water conservation -Outside funding necessary
Coordinated Public Water	Yes	د .	USBR***	I	I	-Budget for a more aggressive
Conservation Information Program						program -Strategy for community outreach
Conservation Kits	++Yes	Varies	SDGE	I	Σ	
Info Booth	++Yes	\$400 setup/suppli	Borrego Chamber of Commerce	Ξ	Σ	-Builds community support
School Essav/Poster Contest	++Yes	\$300 grant	CSDA	Σ	Σ	-Builds community support
Conservation Awards	++Yes	\$200		Σ	Σ	-Builds community support
Smart Irrigation Controller	++Yes	\$50 rebate	USBR***	Σ	Σ	
Replace Irrigation Valves/System Retrofit	++ Yes	20% rebate	USBR***	Σ	Σ	
High Efficiency Toilet Rebate	++Yes	\$0-100 rebate	CA-DWR*	7	7	<ul><li>-Low water savings</li><li>-Family size issue</li><li>-Outside funding required</li></ul>
High Efficiency Washer Rebate	++ Yes	\$85-400 Rebate	CA-DWR	7	7	-Low water savings -Outside funding required

**AGENDA PAGE 29** 

Actions Below This Line Are Not Recommended					
Rotating Sprinkler Nozzles	No	\$0-4 each, 30	7	7	
		minimum			
Home/Business Water	No	\$75 rebate	7	_	
Outlets, single service gray					
water system retrofit					
Irrigation Rain Sensor	No	\$25 rebate-	J	7	
		device			

- Currently \$6M statewide; up to \$100 of one high efficiency toilet (1.28 gal/flush). Rebate direct to consumer from DWR. District could advertise availability to ratepayers.
- Currently \$24M Statewide; up to \$2 per sq.ft. per eligible household. Rebate directly to homeowner from DWR. District could advertise availability to ratepayers/assist with application. \*
- It is suggested that BWD combine these and potentially other actions, into a grant request to the US Bureau of Reclamation for a Water Smart Program grant. The current application period closes January 20, 2016. \* \*

## Water Conservation Policy Recommendations Citizen's Committee Figure 2 – 12/16/2015

## District-wide Water Use Restrictions (BWD-BOD Discussion Draft)

(May be associated with a Level 2 Drought Alert which requires an Adopted Drought Response Plan)

- Water between 6PM and 10AM.
- Do not water for at least 48 hours after rain.
- Eliminate irrigation runoff.
- Repair leaks within 24 hours.
- Use recirculated water in fountains and water features.
- Use a hose with a positive shutoff nozzle when washing vehicles.
- Do not wash down hardscape unless required for public safety.
- Restaurants may serve water upon request only.
- Hotels should offer guests the option of not laundering towels and linens daily.

## Water Conservation Policy Recommendations Citizen's Committee

## Figure 3 – 12/8/2015

## Violations and Penalty Structure for Water Overuse (BWD BOD Discussion Draft)

## Discussion:

Once BWD determines a Water Use Baseline (see Ehrlich/Peterson memo 11/25/2015), the next step could be to use the Baseline to determine water overuse by an individual customer, as established by a Target Water Allocation (TWA) which is typically something greater than the Baseline to provide the customer some flexibility.

Customers using more than the TWA would be notified of their overage and given one (1) full billing cycle to bring their usage below the TWA. Failure to do so may result in the implementation of the following administrative fines levied as follows, and/or other measures the District may Here is an EXAMPLE of a Violations and Penalties section from Drought Response Plans currently adapted in San Diego County; it is pretty typical of the ones reviewed for this report. This could be accompanied by a set of Exemptions and Appeals.

## **EXAMPLE:**

## **Violations and Penalties**

Any customer who uses, causes to be used, or permits the use of water in violation of the Drought Response Plan during a Level 2 - Drought Alert condition, or Level 3 - Drought Critical condition, or Level 4 - Drought Emergency condition is guilty of an offense punishable as provided:

- A) Each day that a violation of a prohibited water conservation measure occurs is a separate offense.
- B) Progressive administrative fines may be levied for each violation as follows:
- 1. First violation of any prohibition written warning.
- 2. Second violation of any prohibition within one (1) year -- \$100.
- 3. Third violation of any prohibition within one (1) year -- \$200 + recovery of administrative and collection costs.
- Fourth violation of any prohibition within one (1) year -- \$500 + recovery of administrative and collection costs.
- 5. Each violation thereafter of any prohibition within one (1) year -- \$500 + recovery of administrative and collection costs.
- 6. Any violation occurring more than one (1) year from the previous will be treated as a first violation.

Should mandatory water use reductions as described be activated by resolution, any person who willfully uses, causes to be used, or permits the use is guilty of an offense punishable as provided herein. of water in violation of the Drought Response Plan, adopted by Resolution

- for not more than thirty (30) days or by a fine not exceeding one thousand dollars (\$1000-U.S.A. currency), or by both, as provided Each violation of this Drought Response Plan may be prosecuted as a misdemeanor punishable by imprisonment in the county jail in California Water Code Section 377.
- Willful violations of mandatory conservation measures which may be put into place during any drought level may be enforced by discontinuing service to the property at which the violation occurs, as provided by California Water Code Section 356 et seq. B.
- C. All remedies provided herein, both civil and criminal, shall be cumulative, and not exclusive.

## Community Action Plan for Residential and Business Water Conservation

The following ideas were developed by Julie Taylor, Emily Brooks and Ken Okey to offer a social marketing plan for the residences and businesses here in the Borrego Valley. This plan will take time and substantial effort on a continuing basis to get the message out. Additionally, by using this approach we will demonstrate to other large users (golf courses and agriculture) that we are taking the depletion of our aquifers as a major problem which requires a positive and ongoing solution.

Design a Best Practices brochure. Ken will furnish an initial draft with graphics and words which can then be reworked by Judy and Emily and then presented to the committee. This will be done after reviewing the web for similar material to avoid reinventing the wheel. Precautions will be taken to make sure all of our information is desert related.

Design logo and label for placement at homes and businesses where the owners have decided to conserve water through a series of actions spelled out in a best practices brochure.

Design a small sign (not too small) to be placed on the entrance to restaurants stating something to the effect "This Restaurant Participates in Saving Borrego's Water". Again, we will review material in the public domain first before proceeding.

Encourage desert water irrigation education through the ARTFARM and ABDNHA aimed at Borrego homeowners and given in conjunction with the development of a small teaching syllabus. This course can also discuss steps to take inside the house. It is recommended this approach be given at the field level with a possibility of using the ABDNHA garden area.

Write a monthly article in the Sun about local residence saving water and money through the use of our educational materials.

Design a "renter packet" and encourage use by businesses who are engaged in renting out homes in Borrego.

December 16, 2015

MEMO TO:

**Board of Directors** 

FROM:

Kim Pitman, Administration Manager

SUBJECT:

Board to consider and possibly approve claims received for

"Tier 2" Conservation rate refunds

Since Board approval of Tier 2 refunds on November 18, Twenty-five (25) more claim forms have been completed and returned to the office. I have reviewed and concur with the total refund requested for each claim. Each claim complies with Resolution/Policy NO. 2015-06-01, stating overpayment of water rates, by paying tier 2 rates. The total of these claims comes to \$8,501.72.

Including the above claim, the total paid out to date is \$40,758.89.

Thank you for your consideration in this matter.

	Contract / Project	January	February	March	April	May
	PAYMENTS					
	T2 Borrego	1/1/15: Pay spare cost in advance			Raftelis spare capacity cost analysis	5/1/15 Notice of 2015/201 spare capacity due.
1 2	P & I Payment for ID4 COP's			1st half of payments due		
	Compass Bank		2016 - payment due March 1st.	ist hall of payments due		2016 - payment due June 1st.
4	CONTRACTS					
	American Red Cross-can cancel					
5	any time for any reason	_				
6	Club Circle (Cameron)		option to renew lease by 2/28/2017			
	Green Desert Landscape		discuss w/ Bob the option of continuing with contract			
7	Xerox		2/28/2017			
8	Secap - postage machine				4/1/2017 send letter of cancellation	
9					if desired	
10	San Diego Mailing Solutions (Annual maintenance - postage and stuffer machine)					
11						
12	Ramona Disposal - BWD Dumpsters					
	REPORTS					
	CASGEM		1		Submit CASGEM water level data	
14	1					
	CCR					
15	Cameron Bros. Water Usage					
16	Report (golf course) to county					
47	Santago Estate					
-17	Annual EAR Report (CDHS)			Due 0/04 for mentions		
18	3			Due 3/31 for previous year		
19	Check fallow property for water usage					
20	ADMINISTRATIVE					7-2-3
21	Audit					
22	Budget			Pump check	CIP meeting, draft budget document	Final Budget document / F'
	Business Plan	Raftelis begins rate analysis	February 2016 -Update Development Fees (water credits & infrastructure buy- in costs for new connections)	Prop 218 rate for FY 2017 - Fy 2021 public hearing		FY Budget and new rate approved
23	Groundwater Sustainability Plan (GSP)	District Meeting Jan. 20 to discuss policy recommendations, DRAFT MOU between County & District. Submit boundary adjustment to DWR	District Meeting February 17th to discuss policy recommendations, Draft MOU of County and Distict with Coaltion; proposal for mechanism(s) to pay for GSP development		District Meeting March 17th to discuss policy recommendations, Draft MOU between County and District; DRAFT MOU of County and District with Coalition; proposal for mechanism(s) to pay for GSP development	
24	4					
25	Investment Policy					
26	Special Assessments / tax bill resolutions-Taussig					
	Town Hall Meeting			March 2016'		
				2015- Check if pricing needs to be adjusted (moved to due dilligence)		
	Water Credit Policy		1	umgence)		1

	June	July	August	September	October	November	December
1	6/15/15: commitment of annual spare capacity due from T2 6/30/15: T2 to fallow 200 acre feet 6/30/15: T2 to pay BWD \$110 per a/f over 800.	7/1/17: establish water budget					12/31/14: T2 to purchase land to fallow 12/31/18 lease expires Send invoice for Spare Capacity
3		1st payment due September 1st		2nd half of payments	Payment due December 1st.		
4							
5							
6	Lease expires 6/30/2017						
7		Cost of Water Adjustment each July 1st. With Cameron					
9		Lease contract expires 7/2020 lease expires 7/2017					
10		·	Annual maintenance contract expires 10/6/16				
11			contact RDS re: contract				rate valid until 12/2015
12			renewal 2015 contact RDS re: contract renewal 2015				rate valid until 12/2015
13 14						Submit CASGEM water level data	
15					10/1/15 Mail CCR Certification form		
16					Send to County DPLU by 10/31		
17 18	Occupancy report due						
19				Annual fallow property check			
20 21			Begin audit	Review of draft audit report			
22							
23		New rates go into effect		March 2015-Identify & Implement Mechansim to pay for GSP costs. March 2016- Update rate structure & water, sewer & WWT rates			
24				DRAFT MOU of County and District with Coalition; proposal for mechanism(s) to pay for GSP development			Agree on GSP funding mechanism; start GSP development
25	Investment polices restated						
26	Special Assessments resolutions due						
27 28							



# ITEM III A FINANCIALS

	C C	D	ВО	BP	BQ	BR	BS
1	BWD		5/27/2015				CASH FLOW
2	CASH FLOW		ADOPTED	ACTUAL	PROJECTED	ACTUAL	YTD + PROJ MONTHS
3	2015-2016		BUDGET	NOVEMBER	NOV	YTD	PROJECTED
4			2015-2016	2015	2015	2015-2016	2015-2016
5	REVENUE		2010-2010	2010	2010	2013-2010	2013-2010
6	WATER REVENUE						
7	Residential Water Sales		932,150	77,538	81,976	399,545	894.089
8	Commercial Water Sales		128,750	10,018	12,342	54,480	125,520
9	Irrigation Water Sales		143,170	12,209	14,318	68,315	137,286
10	GWM Surcharge		117,420	9,623	10,588	50,388	112,171
11	Water Sales Power Portion		373,890	31,134	34,225	163,157	356,043
12	Drought Penalty-1%		(9,045)	(1,405)	(1,489)	(7,359)	(1,207)
13	Drought Rates-5.5%		(40,781)		(1,111)		(40,781)
14	TOTAL WATER COMMODITY REVENUE:		1,645,554	140,523	151,960	728,525	1,575,762
15					,		.,,
16							
	Readiness Water Charge		1,335,180	112,399	112,880	542,011	1,332,171
19	RH Golf Course surplus capacity lease		0	0	0	9,630	9,630
20	Meter Installation		0	0	0	6,876	6,876
22	Reconnect Fees		1,700	340	340	1,020	2,040
23	Backflow Testing/installation		6,500	0	0	-	6,500
24	Bulk Water Sales		0	0	0	241	241
25	Penalty & Interest Water Collection		9,600	1,447	800	6,659	12,259
26	TOTAL WATER REVENUE:		2,998,534	254,709	265,980	1,278,215	2,928,732
27		Receivables					7,,
28	PROPERTY ASSESSMENTS/AVAILABILITY CHARGES	as of 12/08/15					
29	641500 1% Property Assessments -	54,675	64,000	2,124	2,124	4,890	62,661
30	641502 Property Assess wtr/swr/fld -	100,037	60,000	1,617	1,617	2,702	59,756
32		72,349	84,000	5,063	5,063	7,071	85,748
34	641504 ID 3 Water Standby (La Casa)	30,681	34,000	756	756	884	33,761
35	641503 Pest standby	16,368	17,000	239	239	508	15,725
36	TOTAL PROPERTY ASSES/AVAIL CHARGES:	274,109	259,000	9,799	9,799	16,054	257,650
37							
38							
	Town Center Sewer Holder fees		171,240	14,274	14,270	71,432	171,322
40	Town Center Sewer User Fees		39,960	3,330	3,330	16,650	39,960
41	Sewer user Fees		333,900	27,860	27,825	137,832	332,607
45	TOTAL SEWER SERVICE CHARGES:		545,100	45,464	45,425	225,953	543,928
46							
47	OTHER INCOME						
51	Miscellaneous Income (net csd fee/JPIA rebate/check free)			45	0	888	888
52	Water Credits income			0	0	1,000	1,000
56	Interest Income		80	0	2	24	81
57	TOTAL OTHER INCOME:		80	45	2	1,912	1,969
58		2238					
59	TOTAL INCOME:		3,802,713	310,017	321,206	1,546,240	3,756,385
60							
61	CASH BASIS ADJUSTMENTS						
62	Decrease (Increase) in Accounts Receivable			5,924	0	(27,838)	(27,838)
64	Other Cash Basis Adjustments-Tier 2 refund			(24,251)	0	(31,407)	(31,407)
65	TOTAL CASH BASIS ADJUSTMENTS:			(18,327)	0	(59,245)	(59,245)
66				(,,,,		(30,240)	(55,245)
67	TOTAL INCOME RECEIVED:		3,802,713	291,690	321,206	1,486,995	3,697,140

	BT	BU	BV	BW	BX	BY	BZ
1		MILE OF THE					
2	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED
3	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE
4	2015	2016	2016	2016	2016	2016	2016
5					2010	2010	2010
6							
7	75,160	58,801	54,142	56,555	84,844	67,841	97,201
8	8,486	10,002	9,023	10,208	12,902	10,324	10,096
9	8,351	7,704	6,663	7,425	12,736	11,672	14,420
10	7,830	6,942	6,993	7,366	10,876	10,888	10,888
11	25,372	22,514	22,672	23,874	33,590	31,743	33,122
12	(1,207)					-	
13		(5,621)	(5,265)	(5,592)	(8,315)	(7,079)	(8,910)
14	123,992	100,341	94,228	99,837	146,632	125,389	156,817
15							
16							
17	112,880	112,880	112,880	112,880	112,880	112,880	112,880
19	0	0	0	0	0	0	0
20	. 0	0	0	0	0	0	0
22	0	340	0	340	0	340	0
23	0	6,500	0	0	0	0	0
24	0	0	0	0	0	0	0
25	800	800	800	800	800	800	800
26	237,672	220,861	207,908	213,857	260,312	239,409	270,497
27							
28							
29	21,205	13,843	1,906	2,102	18,015	500	200
30	5,115	47,856	1,018	693	1,072	1,000	300
32	22,571	29,014	2,438	3,015	4,363	15,277	2,000
34	3,922	14,052	346	889	1,046	12,132	490
35	2,936	6,354	329	416	2,063	2,597	523
36	55,749	111,118	6,038	7,114	26,558	31,506	3,513
37							
38	44.070	44.000	44.000	44.000			
39	14,270	14,270	14,270	14,270	14,270	14,270	14,270
40 41	3,330	3,330	3,330	3,330	3,330	3,330	3,330
45	27,825 45,425	27,825	27,825	27,825	27,825	27,825	27,825
46	45,425	45,425	45,425	45,425	45,425	45,425	45,425
47					-		
51	0	0	0	Ō	0	0	
52	0	0	0	0	0	0	0
56	2	16	3	2	16	2	16
57	2	16	3	2	16	2	16
58					10	2	16
59	338,848	377,421	259,375	266,398	332,311	316,342	319,451
_	277,7.0	21.11.4.1	200,0,0	<u> </u>	<u>552,511</u>	010,042	<u>5   5,45  </u>
60							
61							
62	0	0	0	0	0	0	0
64 65	0	0	0	0	0	0	0
65 66	0	0	0	0	0	0	0
66 67	220 040	277 424	250 275	200 200	220 044	240 242	046 45
0/	<u>338,848</u>	<u>377,421</u>	<u>259,375</u>	266,398	332,311	316,342	<u>319,451</u>

	C	D BO	BP	BQ	BR	BS
1	BWD	5/27/2015				CASH FLOW
2	CASH FLOW	ADOPTED	ACTUAL	PROJECTED	ACTUAL	YTD + PROJ MONTHS
3	2015-2016	BUDGET	NOVEMBER	NOV	YTD	PROJECTED
4		2015-2016	2015	2015	2015-2016	2015-2016
68	<u>EXPENSES</u>					
69						
_	MAINTENANCE EXPENSE  D. & M. Buildings & Equipment	405 000	0.400	45.000		
	R & M Buildings & Equipment R & M - WWTP	185,000 132,000	3,403 4,041	15,000 16,000	49,966	179,966
_	Telemetry	10,000	4,041	850	18,000 1,050	110,000 6,800
į	Trash Removal	4,000	264	350	1,495	3,945
75	Vehicle Expense	18,000	3,395	1,500	13,601	24,101
	Fuel & Oil	25,000	1,636	2,000	9,898	24,398
_	TOTAL MAINTENANCE EXPENSE:	374,000	12,739	35,700	94,011	349,211
78	DROEESSIONAL SERVICES EXPENSE					<u></u>
	PROFESSIONAL SERVICES EXPENSE Tax Accounting (Taussig)	2 000			4.055	
	Administrative Services (ADP/Bank Fees)	3,000 6,000	199	500	1,055 2,717	2,555 6,217
	Audit Fees	14,439	0	0	14,439	14,439
	Computer billing-TBD	9,900	2,375	825	3,380	9,155
	Consulting/Technical/Contract Labor	1,200	0	100	50	750
	Engineering	35,000	30,271	3,000	94,073	115,073
	District Legal Services	30,000	1,172	2,500	3,969	21,469
	Testing/lab work	12,000	1,110	1,000	3,921	10,921
	Regulatory Permit Fees	33,000	6,799	7,350	25,034	36,551
	TOTAL PROFESSIONAL SERVICES EXPENSE:	144,539	41,926	15,275	148,638	217,130
90						
_	INSURANCE/DEBT EXPENSE					
	ACWA Insurance	59,000	0	0	24,670	59,670
	Workers Comp	16,000	0	0	4,016	16,016
	COP 2008 Installment Viking Ranch Debt Payment	254,525	05.050	0	198,838	254,525
	TOTAL INSURANCE/DEBT EXPENSE:	143,312	35,852	35,852	71,724	143,468
97	TOTAL INCORANCE/DEBT EXPENSE.	472,837	35,852	35,852	299,247	473,679
_	PERSONNEL EXPENSE	- Selbera				
	Board Meeting Expense (board stipend/board secretary)	16,500	1,535	1,500	5,010	15,510
	Salaries & Wages (gross)	761,000	66,019	67,350	315,461	756,411
101	Taxes on Payroll	20,000	1,145	945	6,399	21,328
	Medical Insurance Benefits	185,000	18,986	15,093	100,562	194,980
	Calpers Retirement Benefits	169,200	7,244	8,270	104,179	162,069
	Salaries & Wages contra account	(14,520)	(2,155)	(1,320)	(6,184)	(15,424)
	Conference/Conventions/Training/Seminars	7,000	310	395	4,274	6,917
106	TOTAL PERSONNEL EXPENSE:	1,144,180	93,084	92,233	529,700	1,141,791
_	OFFICE EXPENSE					
	Office Supplies	18,000	1,703	1,500	7,704	18,204
	Office Equipment/ Rental/Maintenance Agreements	25,000	1,810	3,288	12,810	25,110
	Postage & Freight	13,000	6	75	4,086	12,686
	Taxes on Property	2,500	141	0	2,388	2,388
113	Telephone/Answering Service	8,400	779	700	3,605	8,505
_	Dues & Subscriptions	3,600	0	0	116	3,152
	Printing, Publications & Notices	1,000	0	0	816	1,574
	Uniforms	5,400	359	450	2,230	5,380
	OSHA Requirements/Emergency preparedness	4,000	274	400	578	2,778
	TOTAL OFFICE EXPENSE:	80,900	5,072	6,413	34,333	79,778
119	LITH ITIES EVDENSE					
	UTILITIES EXPENSE Pumping-Electricity	430,000	20 244	22.000	454.004	904.004
	Office/Shop Utilities	19,000	30,311 1,370	33,000 1,321	154,264 13,104	361,264
_	Cellular Phone	7,500	594	625	3,495	21,817 7,870
-	TOTAL UTILITIES EXPENSE:	456,500	32,275	34,946	170,863	390,951
125				3.,340	3,000	000,001
	TOTAL EXPENSES:	2,672,956	220,948	220,419	1,276,792	2,652,539
127						
-	CASH BASIS ADJUSTMENTS					
	Decrease (Increase) in Accounts Payable		(42,798)	0	29,521	29,521
	Increase (Decrease) in Inventory		5,395	0	12,982	12,982
	Other Cash Basis Adjustments-Loss on water credit sold			0		0
-	TOTAL CASH BASIS ADJUSTMENTS:		(37,403)	0	42,502	42,502
133						
-	TOTAL EXPENSES PAID:	2,672,956	<u>183,544</u>	220,419	1,319,295	2,695,042
135						
136	NET CASH FLOW (O&M)	1.129.758	108,145	100,787	167,700	1,002,098

_			er i Tarife		122		
$\dashv$	BT	BU	BV	BW	BX	BY	BZ
1							
2	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED
3	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE
4	<u>2015</u>	2016	<u>2016</u>	<u>2016</u>	<u>2016</u>	<u>2016</u>	<u>2016</u>
68							
69							
70 71	15,000	15,000	15,000	15,000	15,000	40.000	15 000
72	6,000	6,000	6,000	56,000	6,000	40,000 6,000	15,000 6,000
73	850	850	850	800	800	800	800
74	350	350	350	350	350	350	350
75	1,500	1,500	1,500	1,500	1,500	1,500	1,500
76	2,500	2,000	2,000	2,000	2,000	2,000	2,000
77	26,200	25,700	25,700	75,650	25,650	50,650	25,650
78							
79							4
80 81	500	500	500	500	500	500	1,500
82	0	0	0	0	0	0	500 0
83	825	825	825	825	825	825	825
84	100	100	100	100	100	100	100
85	3,000	3,000	3,000	3,000	3,000	3,000	3,000
86	2,500	2,500	2,500	2,500	2,500	2,500	2,500
87	1,000	1,000	1,000	1,000	1,000	1,000	1,000
88	0	0	1,250	4,722	422	3,000	2,123
89	7,925	7,925	9,175	12,647	8,347	10,925	11,548
90							
91		-					_
92 93	4.000	0	0	35,000	0	0	0
94	4,000	0	0	4,000 55,688	0	0	4,000
95	- Helia	•	35,872	33,000		35,872	0
96	4,000	0	35,872	94,688	0	35,872	4,000
97	1,000		00,0.2	0 1,000		30,012	4,000
98							
99	1,500	1,500	1,500	1,500	1,500	1,500	1,500
100	64,750	61,750	61,750	64,650	61,750	63,150	63,150
101	1,050	5,000	2,390	1,078	1,612	2,200	1,600
102	15,093	15,325	16,000	16,000	16,000	16,000	0
103	8,270	8,270	8,270	8,270	8,270	8,270	8,270
104 105	(1,320) 479	(1,320) 48	(1,320) 790	(1,320) 500	(1,320) 100	(1,320) 600	(1,320) 126
106	89,822	90,573	89,380	90,678	87,912	90,400	73,326
107	00,022	00,010	00,000	30,070	07,512	30,400	73,320
108							
109	1,500	1,500	1,500	1,500	1,500	1,500	1,500
110	1,584	1,665	1,552	2,000	2,000	1,500	2,000
111	2,100	50	2,100	75	2,100	75	2,100
112	0	0	0	0	0	0	0
113	700	700	700	700	700	700	700
114	0	248	134	200	2,360	50	45
115	94	353	94	116	450	450	100
116 117	450 400	450 400	450 250	450 250	450 300	450	450
118	6,828	5,366	6,780	5,291	9,410	300 4,575	7,195
119	3,020	3,000	3,700	3,201	7,710	7,513	7,135
120						-	
121	33,813	27,000	25,554	25,633	30,000	32,000	33,000
122	1,030	1,543	1,165	1,286	1,079	1,100	1,511
123	625	625	625	625	625	625	625
124	35,468	29,168	27,344	27,544	31,704	33,725	35,136
125	470.040	450 700	404.054	200 40-	400.000	000 117	400.00
126	170,242	<u>158,732</u>	<u>194,251</u>	306,497	<u>163,022</u>	<u>226,147</u>	<u>156,855</u>
127							
128							
129	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0
131 132	0	0	0	0	0	0	0
133	U	U	U	U	U	0	0
134	170,242	158,732	194,251	306,497	163,022	226,147	156,855
135				-00,701		, 17/	100,000
136	168,605	218,689	65,123	(40.099)	169,289	90,195	162,596

		BO	BP	BQ	BR	BS
BWD		5/27/2015				CASH FLOW
CASH FLOW		ADOPTED	ACTUAL	PROJECTED	ACTUAL	YTD + PROJ MONTHS
2015-2016		BUDGET	NOVEMBER	NOV	YTD	PROJECTED
		2015-2016	2015	2015	2015-2016	2015-2016
NON O & M EXPENSES						20.0.20.0
er i i i i i i i i i i i i i i i i i i i						
Tanks, 1970's-inside coating (rescheduled into 2015-2016)		125,000			-	125,000
up	11/1	30,000			28,784	28,784
khoe		150,000				150,000
5, 200 HP		10,000				10,000
line-Bending Elbow Road-Second Half		55,590			-	55,590
p and Cleaning Well ID4-4		70,000			-	70,000
ster Station Motors-Country Club & ID1 station 1 #2 30 hp		8,000			14,054	14,054
Quality Compliance-Wilcox Well	Y-7-	37,000			,	37,000
er						07,000
TP-Portable engine driven trash pump/Backup generator		92,000			-	92,000
TP-Rehab grit chamber		6,000			-	6,000
TP-Rehab Clarifier/pump/bearings		66,500			6,709	66,500
TP-Solar Project		205,088		39.179	118,620	205,151
1				00,0	,	200,101
M -legal/Miscprop 1 grant/USGS		60,000	457	5,000	25.837	60,837
ict portion of GSP		80,000	22,351	6,500	22,351	80,000
Process		110,000	,_,	9,200		110,000
ER				0,200	-	110,000
Locating System		12,000				12,000
Computer for server and new Software system		85,500	2,889		87,393	95,973
AL NON O&M EXPENSES		1,202,678	25,697	59,879	303,749	1,218,890
			4000	ANDIA '	000,740	1,210,000
CASH RECAP						
beginning of period	*4-	2,611,448	2,633,892	2,525,998	2,852,387	2,852,387
Cash Flow (O&M)		1,129,758	108.145	100.787	167.700	1,002,098
Non O&M Expenses		(1,202,678)	(25,697)	(59,879)	(303,749)	
H AT END OF PERIOD		2,538,528	2,716,341	2,566,906	2,716,341	
			2,710,041	2,300,300	2,7 10,341	2,635,596
RESERVES						
Reserves		(400,000)	(400,000)	(400,000)	(400,000)	(400,000)
king Capital (4 months)		(900,000)	(900,000)	(900,000)	(900,000)	
ingency Reserves (10% O&M)		(270,000)	(270,000)	(270,000)	(270,000)	(900,000) (270,000)
Stabilization Reserves		(480,000)	(480,000)			
able for Emergency Reserves		488,528	666,341	(480,000) 516,906	(480,000) 666,341	(480,000) 585,596
et Emergency Reserves						
The state of the s						2,000,000 (1,414,404)
.goo,oo.roo sonot		(1,011,412)	(1,000,000)	(1,403,034)	(1,333,059)	(1,414,404)
SIGNIFICANT ITEMS			ACTUAL	DDO IECTED		
OTOTAL TOTAL TILINO			AUTUAL	FROJECTED		V M
Maintenance Expense		-	12 720	35 700	(22.004)	Projected
тичнопиное сурснае			12,/39	35,700	(22,961)	Projected more
neering Expense			20 274	2 000	07.074	than spent
						\$23,000 RHGC
ior portion of OOI						Projected July-Oct first month exp
r!	SIGNIFICANT ITEMS  Maintenance Expense eering Expense tt portion of GSP	SIGNIFICANT ITEMS  Maintenance Expense eering Expense	SIGNIFICANT ITEMS  Maintenance Expense eering Expense	SIGNIFICANT ITEMS   ACTUAL     Maintenance Expense   12,739     eering Expense   30,271	SIGNIFICANT ITEMS   ACTUAL   PROJECTED     Maintenance Expense   12,739   35,700     eering Expense   30,271   3,000     the portion of GSP   22,351   6,500	SIGNIFICANT ITEMS   ACTUAL   PROJECTED

	BT	BU	BV	BW	BX	BY	BZ
1		THE SHIP					
2	200 150550						
	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED
3	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE
4	<u>2015</u>	<u>2016</u>	<u>2016</u>	<u>2016</u>	<u>2016</u>	<u>2016</u>	<u>2016</u>
137							
138							
139					125,000		
140							470.000
141 142	10,000						150,000
143	10,000		35,000	20 500			
145		35,000	35,000	20,590			
146		35,000		35,000			
148		37,000					
151		37,000					
153	92,000						
155	02,000	6,000					
157	20,000	5,555	6,500		20,000		13,291
159	63,531	23,000	5,555				10,201
162		.,					
164	5,000	5,000	5,000	5,000	5,000	5,000	5,000
165	8,500	8,500	8,500	8,500	8,500	7,500	7,649
172	5,000	17,000	17,000	17,000	18,000	18,000	18,000
177							
181		12,000					
183		5,720	2,860				
191	204,031	149,220	74.860	86,090	176.500	30.500	193,940
192							
193							
194	2,716,341	2,680,915	2,750,384	2,740,647	2,614,458	2,607,247	2,666,942
195	168,605	218,689	65,123	(40,099)	169,289	90,195	162,596
196	(204,031)	(149,220)	(74,860)	(86,090)	(176,500)	(30,500)	(193,940)
197	2,680,915	2,750,384	2,740,647	2,614,458	2,607,247	2,666,942	2,635,596
198							
199						The state of	
200	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)
201	(900,000)	(900,000)	(900,000)	(900,000)	(900,000)	(900,000)	(900,000)
203	(270,000)	(270,000)	(270,000)	(270,000)	(270,000)	(270,000)	(270,000)
204	(480,000)	(480,000)	(480,000)	(480,000)	(480,000)	(480,000)	(480,000)
205	630,915	700,384	690,647	564,458	557,247	616,942	585,596
206	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
207	(698,427)	(506,450)	(401,877)	(575,451)	(1,442,753)	(1,383,058)	(1,414,404)
208							
209		,					
210		-					
211							
212					~		
213 214		-					
214							
216							- 1332
210							



	ASSETS:	BALANCE SHEET November 30, 2015 (unaudited)		BALANCE SHEET October 31, 2015 (unaudited)		MONTHLY CHANGE (unaudited)
CURRENT ASSETS						
Cash and cash equivalents	e	2.746.240.40	•	0.000.000.40	_	
Accounts receivable from water sales and sewer charges	\$ \$			2,633,892.18		82,448.22
Inventory	\$ \$		,	384,407.06		(5,923.86)
Prepaid expenses	\$		\$	130,758.17 33,692.09	*	5,395.00
	<u> -</u>		<u>*</u>	00,002.00	Ψ	
TOTAL CURRENT ASSETS	\$	3,264,668.86	\$	3,182,749.50	\$	81,919.36
RESTRICTED ASSETS						
Debt Service:						
Deferred amount of COP Refunding	\$	122,550.33	\$	122,550.33	\$	
Unamortized bond issue costs	\$			85,965.97		-
Viking Ranch Refinance issue costs	\$	56,000.00	\$	56,000.00	*	
Deferred Outflow of Resources-calPERS	\$			138,759.00		
Total Debt service	\$		_	403,275.30	\$	-
					•	
Trust fund:						
Investments with fiscal agent -CFD 2007-1	<u>\$</u>		\$	88,507.65	\$	-
Total Trust fund	<u>\$</u>	88,507.65	\$	88,507.65	\$	
TOTAL RESTRICTED ASSETS	· \$	491,782.95	\$	491,782.95		
UTILITY PLANT IN SERVICE						
Land	\$	2,321,191.65	\$	2,321,191.65	\$	_
Flood Control Facilities	\$	4,319,603.58	\$	4,319,603.58		-
Capital Improvement Projects	\$	479,223.59	\$	476,334.68		2,888.91
Sewer Facilities	\$	5,533,268.63	\$	5,533,268.63	\$	_,000.0.
Water facilities	\$	10,620,984.07	\$	10,620,984.07	\$	
Pipelines, wells and tanks	\$	151,699.02	\$	151,699.02	\$	-
General facilities	\$	1,006,881.13	\$	1,006,881.13	\$	22
Equipment and furniture	\$		\$	312,133.38	\$	-
Vehicles	\$		\$	591,420.89	\$	
Accumulated depreciation	<u>\$</u>	(11,581,213.50)	\$	(11,581,213.50)	\$	1-1
NET UTILITY PLANT IN SERVICE	\$	13,755,192.44	\$	13,752,303.53	\$ \$	- 2,888.91
OTHER ASSETS						
Water rights -ID4	<u>\$</u>	185,000.00	\$	185,000.00	\$	.: <del>=</del> :
TOTAL OTHER ASSETS	\$	185,000.00	\$	185,000.00		
TOTAL ASSETS	\$	17,696,644.25	\$	17,611,835.98	\$	84.808.27
	<del>-</del>		·	,,.,.,.	*	0.,000.27

	BALANCE SHEET November 30, 2015 (unaudited)		BALANCE SHEET October 31, 2015 (unaudited)		MONTHLY CHANGE (unaudited)
LIABILITIES:					
•	120 270 42	•	07 570 44	•	40 707 00
					42,797.98
\$ \$	22,943.75	\$			
\$	267,297.23	\$	224,499.25	\$	42,797.98
\$	88,507.65	\$	88,507.65	\$	- L LOS
<u>\$</u>	139,937.83	\$			(24,250.80)
\$	228,445.48	\$	252,696.28	\$	(24,250.80)
\$	2,475,000.00	\$	2,475,000.00	\$	- Jan - 17
\$	1,082,237.81	\$	1,104,442.20	\$	(22,204.39)
\$	699,055.00	\$	699,055.00	\$	-
\$	160,113.00	\$	160,113.00		
\$	4,416,405.81	\$	4,438,610.20	\$	(22,204.39)
<u>\$</u>	4,912,148.52	\$	4,915,805.73	\$	(3,657.21)
<u>\$</u>	9,611,814.35	\$	9,611,814.35	\$	1 12.1
<u>\$</u>	3,172,681.38	\$	3,084,215.90	\$	88,465.48
<u>\$</u>	3,172,681.38	\$_	3,084,215.90	\$	88,465.48
<u>\$</u>	12,784,495.73	\$	12,696,030.25	\$	88,465.48
<u>\$</u>	17,696,644.25	\$_	17,611,835.98	\$	84,808.27
	\$\$\$\$ \$\$ \$	November 30, 2015	November 30, 2015 (unaudited)	November 30, 2015 (unaudited)  LIABILITIES:  \$ 130,370.12 \$ 87,572.14 \$ 113,983.36 \$ 113,983.36 \$ 22,943.75 \$ 22,943.75 \$ 224,499.25 \$ 88,507.65 \$ 139,937.83 \$ 164,188.63  \$ 228,445.48 \$ 252,696.28  \$ 2,475,000.00 \$ 2,475,000.00 \$ 1,082,237.81 \$ 1,104,442.20 \$ 699,055.00 \$ 699,055.00 \$ 699,055.00 \$ 160,113.00 \$ 160,113.00 \$ 4,416,405.81 \$ 4,438,610.20 \$ 4,912,148.52 \$ 4,915,805.73 \$ 9,611,814.35 \$ 9,611,814.35 \$ 9,611,814.35 \$ 9,611,814.35 \$ 3,172,681.38 \$ 3,084,215.90 \$ 3,172,681.38 \$ 3,084,215.90 \$ 12,784,495.73 \$ 12,696,030.25	November 30, 2015 (unaudited)

# TREASURER'S REPORT NOVEMBER, 2015

Bank Carrying Fair Current Rate of Maturity Valuation
Balance Value Value Actual Interest Source

#### Cash and Cash Equivalents:

Demand Accounts at WFB/UB/LAIF

Total Cash and Cash Equivalents	s	2,736,248	s	2,716,340	s	2,716,340	100.00%	]		
LAIF	\$	20,999	\$	20,999	\$	20,999	0.77%	0.22%	N/A	LAIF
Payroll Account	\$	12,317	\$	10,282	\$	10,282	0.38%	0.01%	N/A	UB
WFB/UB General Account/Petty Cash	\$	2,702,932	\$	2,685,060	\$	2,685,060	98.85%	0.00%	N/A	UB

#### Facilities District No. 2007-1

First American Treas Obligation -US BANK	\$ 88,508	\$ 88,508	\$ 88,508
	 160		
Total Cash,Cash Equivalents & Investments	\$ 2,824,756	\$ 2,804,848	\$ 2,804,848

Cash and investments conform to the District's Investment Policy statement filed with the Board of Directors on June 24, 2015.

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

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

Kim Pitman, Administration Manager



To:

**BWD Board of Directors** 

From:

Kim Pitman

Subject:

Consideration of the Disbursements and Claims Paid

Month Ending November, 2015

Vendor disbursements paid during this period:	\$ 223,528.74
Significant items:	
San Diego Gas & Electric	\$ 31,186,78
CalPERS Payments	\$ 10,041.83
Medical Health Benefits	\$ 20,275.23
BBVA Compass Bank quarterly Debt Service	\$ 35,852.08
SWRCB-Annual Permit Fees	\$ 6,787.00

#### Capital Projects/Fixed Asset Outlays:

Springbrook/Accela -Computer software upgrade

Server upgrades

BSE Engineering/Universal Racking-Solar WWTP/LTS Solar

#### **Total Professional Services for this Period:**

Total

	Downey Brand, Attorneys	GWM	\$ 450.00
	Dudek-to be reimbursed	RHGC	\$ 22,961.00
	*	GWM	\$ 3,155.06
		GSP	\$ 16,976.40
			\$ 43,092.46
	Dynamic Consulting Engineers	WWTP	\$ 2,655.00
	McDougal Love Eckis	Legal-general	\$ 1,171.50
	Raftelis Financial	GSP	\$ 5,375.00
Payroll f	or this Period:		
	Gross Payroll		\$ 66,018.22
	Employer Payroll Taxes and ADP Fee		\$ 1 334 93

67,353.15

#### BORREGO WATER DISTRICT FOR BOARD CONSIDERATION AND APPROVAL NOVEMBER 30, 2015

#### GENERAL ACCOUNT

12/08/15	CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
30159	30172	12/08/15	SEE INVOICE FOR DETAILS	5 55 50
30160	30159	12/01/15	ABILITY ANSWERING/PAGING SER	
30192	30160	12/01/15	ACCELA, INC. #774375	
30110	30192	12/09/15	CB&T ACWA-JPIA	
30173	30110	11/18/15	AFLAC	
30174	30173	12/08/15	AMERICAN BACKFLOW SPECIALTIES	
30121	30174	12/08/15	AMERICAN LINEN INC.	
30122 11/19/15 ANN WHITE TIER 2 REFUND 679.80 30175 12/08/15 AT CONFERENCE CONFERENCE CALLS 6.94 30176 12/08/15 AT&T MOBILITY EMERGENCY PHONES 594.27 30177 12/08/15 AT&T-CALNET 2 PHONES 348.14 30123 11/19/15 BARBARA TARTRE TIER 2 REFUND 472.82 30098 11/12/15 BBVA COMPASS INSTALLMENT ON LOAN 00-1000689-0, LOAN #18 35,852.08 30161 12/01/15 BENITO ARTEAGA REIMBURSE FOR WORK BOOTS 113.39 30178 12/08/15 BORREGO SPRINGS BOTTLED WATER WATER FOR CREW 8.00 30111 11/18/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 4,883.13 30162 12/01/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 5,158.70 30124 11/19/15 N.R. CRISS FAMILY TRUST	30121	11/19/15	ANN KEENAN	
30175 12/08/15 AT CONFERENCE CONFERENCE CALLS 6.94 30176 12/08/15 AT&T MOBILITY EMERGENCY PHONES 594.27 30177 12/08/15 AT&T-CALNET 2 PHONES 348.14 30123 11/19/15 BARBARA TARTRE TIER 2 REFUND 472.82 30098 11/12/15 BBVA COMPASS INSTALLMENT ON LOAN 00-1000689-0, LOAN #18 35,852.08 30161 12/01/15 BENITO ARTEAGA REIMBURSE FOR WORK BOOTS 113.39 30178 12/08/15 BORREGO SPRINGS BOTTLED WATER WATER FOR CREW 8.00 30111 11/18/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 4,883.13 30162 12/01/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 5,158.70 30124 11/19/15 N.R. CRISS FAMILY TRUST	30122	11/19/15	ANN WHITE	
30176 12/08/15 AT&T MOBILITY EMERGENCY PHONES 594.27 30177 12/08/15 AT&T-CALNET 2 PHONES 348.14 30123 11/19/15 BARBARA TARTRE TIER 2 REFUND 472.82 30098 11/12/15 BBVA COMPASS INSTALLMENT ON LOAN 00-1000689-0, LOAN #18 35,852.08 30161 12/01/15 BENITO ARTEAGA REIMBURSE FOR WORK BOOTS 113.39 30178 12/08/15 BORREGO SPRINGS BOTTLED WATER WATER FOR CREW 8.00 30111 11/18/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 4,883.13 30162 12/01/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 5,158.70 30124 11/19/15 N.R. CRISS FAMILY TRUST	30175	12/08/15	AT CONFERENCE	
30177 12/08/15 AT&T-CALNET 2 PHONES 348.14 30123 11/19/15 BARBARA TARTRE TIER 2 REFUND 472.82 30098 11/12/15 BBVA COMPASS INSTALLMENT ON LOAN 00-1000689-0, LOAN #18 35,852.08 30161 12/01/15 BENITO ARTEAGA REIMBURSE FOR WORK BOOTS 113.39 30178 12/08/15 BORREGO SPRINGS BOTTLED WATER WATER FOR CREW 8.00 30111 11/18/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 4,883.13 30162 12/01/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 5,158.70 30124 11/19/15 N.R. CRISS FAMILY TRUST	30176	12/08/15	AT&T MOBILITY	
30123 11/19/15 BARBARA TARTRE TIER 2 REFUND 472.82 30098 11/12/15 BBVA COMPASS INSTALLMENT ON LOAN 00-1000689-0, LOAN #18 35,852.08 30161 12/01/15 BENITO ARTEAGA REIMBURSE FOR WORK BOOTS 113.39 30178 12/08/15 BORREGO SPRINGS BOTTLED WATER WATER FOR CREW 8.00 30111 11/18/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 4,883.13 30162 12/01/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 5,158.70 30124 11/19/15 N.R. CRISS FAMILY TRUST	30177	12/08/15	AT&T-CALNET 2	
30098 11/12/15 BBVA COMPASS	30123	11/19/15	BARBARA TARTRE	
30161 12/01/15 BENITO ARTEAGA REIMBURSE FOR WORK BOOTS 113.39 30178 12/08/15 BORREGO SPRINGS BOTTLED WATER WATER FOR CREW 8.00 30111 11/18/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 4,883.13 30162 12/01/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 5,158.70 30124 11/19/15 N.R. CRISS FAMILY TRUST	30098	11/12/15	BBVA COMPASS	4/2.82
30178 12/08/15 BORREGO SPRINGS BOTTLED WATER WATER FOR CREW 8.00 30111 11/18/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 4,883.13 30162 12/01/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 5,158.70 30124 11/19/15 N.R. CRISS FAMILY TRUST	30161	12/01/15	BENITO ARTEAGA	35,852.08
30111 11/18/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 4,883.13 30162 12/01/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 5,158.70 30124 11/19/15 N.R. CRISS FAMILY TRUST	30178	12/08/15	BORREGO SPRINGS BOTTLED WATER	
30162 12/01/15 PUBLIC EMP'S RETIREMENT SYSTEM EMPLOYEE RETIRMENT BENEFITS 5,158.70 30124 11/19/15 N.R. CRISS FAMILY TRUST	30111	11/18/15	PUBLIC EMP'S RETIREMENT SYSTEM	
30124 11/19/15 N.R. CRISS FAMILY TRUST	30162	12/01/15	PUBLIC EMP'S RETIREMENT SYSTEM	
	30124	11/19/15	N.R. CRISS FAMILY TRUST	
TIER 2 REFUND 58.12 30125 11/19/15 DAN PERRY	30125	11/19/15	DAN PERRY	
TIER 2 REFUND 262.79 30126 11/19/15 DAVID LEIBERT TIER 2 REFUND 1.321.21	30126	11/19/15	DAVID LEIBERT	
30179 12/08/15 JAMES G HORMUTH/DBA TRUE VALUE	30179	12/08/15	JAMES G HORMUTH/DBA TRUE VALUE	
30099 11/12/15 DEBBIE MORETTI	30099	11/12/15	DEBBIE MORETTI	
PEST CONTROL 113.00 30127 11/19/15 DONALD BLAIKIE TIER 2 REFUND 352.74	30127	11/19/15	DONALD BLAIKIE	

#### BORREGO WATER DISTRICT

## FOR BOARD CONSIDERATION AND APPROVAL

NOVEMBER 30, 2 CHECK# DATE PAYEE & DESCRIPTION NOVEMBER 30, 2015 AMOUNT -----30112 11/18/15 DOWNEY BRAND PROFESSIONAL SERVICES 450.00 30163 12/01/15 DUDEK PROFESSIONAL SERVICES RHGC DEMAND OFFSET WATER CREDITS PROFESSIONAL SERVICES INITAL SUPPORT TO DEVELOP BVGB/GSP 43,092.46 12/08/15 DYNAMIC CONSULTING ENGINEERS 30180 RECORD OF SURVEY WWTP
12/08/15 E.S. BABCOCK & SONS, INC. RECORD OF SURVEY WWTP 2,655.00 30181 WATER SAMPLES TO LAB 1,050.00 11/19/15 FRANK HUNECK 30128 TIER 2 REFUND 53.01 11/19/15 GAIL ALLEN 30129 TIER 2 REFUND 426.42 30182 12/08/15 GREEN DESERT LANDSCAPE MANAGEMENT FEE CLUB CIRCLE GC NOVEMBER 4,770.00 11/19/15 GREGORY STUMPF 30130 TIER 2 REFUND 458.83 11/19/15 H G SCHUETTE 30131 TIER 2 REFUND 346.53 HACH COMPANY 11/12/15 30100 CHLORINE TEST KITS 487.14 11/19/15 HAZEL SPENCER 30132 TIER 2 REFUND 1,308.33 12/08/15 HOME DEPOT CREDIT SERVICES 30183 SEE INVOICE FOR DETAILS 826.46 11/19/15 HOMER HUDSON 30133 TIER 2 REFUND 34.51 11/19/15 HUGH GREENWAY, MD 30134 TIER 2 REFUND 452.05 11/19/15 JACK & JOANNE SIMS 30135 TIER 2 REFUND 88.95 11/12/15 BORREGO AUTO PARTS, INC. 30101 TIRES 2008 GMC YUKON BATTERY 2008 GMC YUKON 384.14 11/18/15 BORREGO AUTO PARTS, INC.
TIRES 2008 F550 30113 TIRES 2008 F550 312.92 12/01/15 BORREGO AUTO PARTS, INC. 30164 TIRES FOR 2008 YUKON 910.84 11/19/15 JAMES DE MUNCK 30136 TIER 2 REFUND 53.21 JC LABS & MONITORING SERVICE 12/08/15 30184 WASTEWATER CONSULTING SERVICES 1,500.00 11/19/15 JEF JOHNSON 30137 TIER 2 REFUND 31.81 11/19/15 JEFFREY LEINASSAR 30138 TIER 2 REFUND 410.04 11/19/15 JOHN HUGHIE 30139 TIER 2 REFUND 311.88 11/19/15 JON GILBERT 30140 TIER 2 REFUND 416.86

#### BORREGO WATER DISTRICT FOR BOARD CONSIDERATION AND APPROVAL NOVEMBER 30, 2015

		NOVEMBER 30, 2015	
CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
30141	11 /10 /15	JOYCE ANDERSON	
30141	11/19/15	TIER 2 REFUND	054 15
30142	11/19/15		274.17
30112	11/13/13	TIER 2 REFUND	19.95
30143	11/19/15	KATHLEEN BULLOCK	19.93
	,,	TIER 2 REFUND	428.95
30144	11/19/15	KATHY LEINASSAR	120.55
		TIER 2 REFUND	279.64
30102	11/12/15	KENNY STRICKLAND, INC.	
		FUEL FOR DISTRICT VEHICLES	404.02
30185	12/08/15	KENNY STRICKLAND, INC.	
		FUEL FOR DISTRICT VEHICLES	
20102	/ /	FUEL FOR DISTRICT VEHICLES	1,221.66
30103	11/12/15	KHANNA, PUNEET & MONICA	
20104	11/10/15	REFUND ACCT# 0102382	226.32
30104	11/12/15	McCALLS METERS, INC	
		PRODUCTION WELL METER TOP	
		PLATES 30 1" METERS	F 424 F2
30114	11/18/15	McDOUGAL LOVE ECKIS	7,434.73
30111	11/10/13	PROFESSIONAL SERVICES	1 171 50
30145	11/19/15	MICHAEL WISNER	1,171.50
		TIER 2 REFUND	102.90
30186	12/08/15	NAPA AUTO PARTS INC	102.50
		MISC AUTO PARTS	26.56
30146	11/19/15	OTILIA TRONCOSO	
		TIER 2 REFUND	3.48
30147	11/19/15	PATRICK MEEHAN	
W		TIER 2 REFUND	32.21
30148	11/19/15	PATRICK MEEHAN	
20140	11/10/15	TIER 2 REFUND	6,780.36
30149	11/19/15	L R PAYNE	
30105	11/12/15	TIER 2 REFUND CASH	277.82
30103	11/12/13	PETTY CASH REIMBURSMENT	440.00
30115	11/18/15	CASH	440.00
	,,	AUTOCAD WORKSHOP	275.00
30150	11/19/15	PHILIP MORGAN	275.00
		TIER 2 REFUND	737.50
30165	12/01/15	QUILL CORPORATION	, , , , , ,
		OFFICE SUPPLIES	
		OFFICE SUPPLIES	631.21
30116	11/18/15	RAFTELIS FINANCIAL	
004.54		PROFESSIONAL SERVICES GSP	5,375.00
30151	11/19/15	RALPH HAERR	
30152	11 /10 /15	TIER 2 REFUND	362.95
30132	11/19/15	RALPH SINGER TIER 2 REFUND	40 50
30187	12/08/15	RAMONA DISPOSAL SERVICE	48.72
30107	12,00/13	TRASH REMOVAL STIRRUP ROAD	
		TRASH REMOVAL	
		TRASH REMOVAL WWTP	3,161.54
30153	11/19/15	RAYMOND P.BOLANOS	3,101.01
		TIER 2 REFUND	1,736.71
			•

#### BORREGO WATER DISTRICT

## FOR BOARD CONSIDERATION AND APPROVAL

	NOVEMBER 30, 2015	
TE PAYEE	& DESCRIPTION	AMOUNT
RELE	EASE LIEN	
07-4 9/15 ROBERT		13.00
TIEF	R 2 REFUND	483.60
TIEF		7.83
		160.65
1/15 SAN DI MOSÇ	EGO CO VECTOR CONTROL QUITO AND VECTOR DISEASE	
1/15 SAN DI	EGO GAS & ELECTRIC	140.63
		29,336.78
		1,850.15
SEAI	ING SOLUTION	59.15
POST		137.49
		1,947.40
8/15 STAPLE	ES CREDIT PLAN	
2/15 SWRCB	ACCOUNTING OFFICE	188.92
ANNU	JAL PERMIT FEE 7SSO10513	
		6,787.00
TIEF	R 2 REFUND	1,876.03
UPDA	TE NETWORK CABLEING AND	
		999.91
		12.00
REIM BROK	BURSE FOR REPAIRS DUE TO EN PIPE - MASTER METER	
		103.65
RECO	RDING SERVICES OCTOBER	190.00
RECO	RDING SECRETARY NOVEMBER	190.00
		1,160.07
8/15 WILLOW	I INDUSTRIES, LLC	
9/15 WILLOW	I INDUSTRIES, LLC	1,841.52
8/15 XEROX	FINANCIAL SERVICES	1,841.52
COPI	ER LEASE	377.88
	TOTAL	223,528.74
	8/15 RECORI RELE 07-4 9/15 ROBERT TIEF 9/15 ROBERT TIEF 1/15 ROGELT 1/15 SAN DI MOSQ CONT 1/15 SAN DI ELEC 8/15 SAN DI SEAI 1/15 SECAP POST 9/15 SHELLE 8/15 STAPLE 8/15 STAPLE 8/15 STAPLE 1/15 STAPLE 8/15 TIEF 8/15 TIEF 8/15 TRAVIS UPDA PROC 8/15 TOM ST TIEF 1/15 TRAVIS UPDA PROC 8/15 WENDY RECC 1/15 WENDY RECC	RECORDER/COUNTY CLERK'S OFFICE RELEASE LIEN 07-4830-4, BOWMAN 9/15 ROBERT DVORAK TIER 2 REFUND 9/15 ROBERT FRAZIER TIER 2 REFUND 1/15 ROBERT FRAZIER TIER 2 REJUND 1/15 SAN DIEGO CO VECTOR CONTROL MOSQUITO AND VECTOR DISEASE CONTROL ASSESSMENT 7/15-6/2016 1/15 SAN DIEGO GAS & ELECTRIC ELECTRICITY CHARGES 8/15 SAN DIEGO GAS & ELECTRIC ELECTRICITY CHARGES 8/15 SAN DIEGO MAILING SOLUTIONS SEALING SOLUTION 1/15 SECAP FINANCE POSTAGE MACHINE LEASE 9/15 SHELLEY NORTHCOTT TIER 2 REFUND 1/15 STAPLES CREDIT PLAN OFFICE SUPPLIES 1/15 SWRCB ACCOUNTING OFFICE ANNUAL PERMIT FEE 7A370125001 WD-0113869, 258848 10M STEMNOCK TIER 2 REFUND 1/15 TRAVIS PARKER UPDATE NETWORK CABLEING AND PROGRAMMING FOR NEW SERVER 1/15 TRAVIS PARKER UPDATE NETWORK CABLEING AND PROGRAMMING FOR NEW SERVER 1/15 UNDERGROUND SERVICE ALERT DIG ALERTS 1/16 WENDY QUINN RECORDING SERVICES OCTOBER 1/15 WENDY QUINN RECORDING SERVICES OCTOBER 1/10 WENDY TIES, LLC BIOLOGIC FOR PLANT 1/11 WILLOW INDUSTRIES, LLC BIOLOGIC FOR ODOR CONTROL 1/15 WENDY FINANCIAL SERVICES COPIER LEASE

#### GROUNDWATER MANAGEMENT Accounting-FY 2016 01-5480

	DOWNEY		CONFERENCE/				MONTHLY	FYE 2016
MONTH	BRAND	UC REGENTS	AT CONF/MEALS	USGS	RAFTELIS	DUDEK	TOTAL	TOTAL
2117								1919 12
Jul-15	534.95	15,000.00					15,534.95	15,534.9
Aug-15			8.31				8.31	15,543.26
Sep-15	1,312.50		50.36		3 2		1,362.86	16,906.12
Oct-15	1,900.67		211.59	4,426.18			6,538.44	23,444.56
Nov-15	450.00	T_	6.94		5,375.00	16,976.40	22,808.34	46,252.90
Dec-15								46,252.90
Jan-16								46,252.90
Feb-16								46,252.90
Mar-16						7_ hr 7_		46,252.90
Apr-16							3-1-1	46,252.90
May-16								46,252.90
Jun-16		A - 1 - 4						46,252.90
Total	4,198.12	15,000.00	277.20	4,426.18	5,375.00	16,976.40	46,252.90	46,252.90

#### **Borrego Water District Management Report – December 2015**

By: Jerry Rolwing

#### **FEDERAL LEVEL**

U.S. Geological Survey: REPORT FINALLY PUBLISHED! Please check the front page of borregowd.org website for the press release and link. The primary author of the report, Claudia Faunt, made an excellent presentation at the Association of California Water Agencies (ACWA) Fall conference in Indian Wells on December 2nd.

U.S. Bureau of Reclamation: The Southeast California Basin Study is still waiting to be released.

#### **STATE LEVEL**

The Dept. of Water Resources (DWR) has released the Basin Boundary Adjustment requirements and procedures. The District will be making application to change the Borrego Valley Groundwater Basin back to the 1975 and 1980 DWR Bulletin 118 configuration.

The Governor's 25% reduction mandate period has closed. As a "Small Water Agency", the District was required to reduce the overall municipal pumping over the June - November 2015 from the baseline period of June -November 2013 by 25%. We did not make this goal as explained in the state report (attachment A). It is expected that the reduction requirements will continue into 2016 but the notice has not been finalized yet.

#### **COUNTY LEVEL**

Work continues with County Department of Planning and Development Services on the formation of the Groundwater Sustainability Agency designation.

#### **DISTRICT LEVEL**

The Solar Project at the Wastewater Treatment plant construction is completed. The inspection report has been submitted to SDG&E for approval before the array can start generating power. We are still #4 on the rebate mailing list. If approved, \$61K will be reimbursed to the District over the next five years through the SDG&E invoicing process.

**HAPPY HOLIDAYS!** 

# Text accompanying the 25% reduction report of the Borrego Water District to the State Water Resources Control Board - December 15, 2015

The Borrego Water District serves the small unincorporated community of Borrego Springs. The community lies entirely within the Anza-Borrego Desert State Park and is considered a "disadvantaged community" in that the average annual income is less than 80% of the State average income. The sole source of water supply is the Borrego Valley Groundwater Basin, which according to a recent U.S. Geological Survey Report (http://pubs.er.usgs.gov/publication/sir20155150), contains at least a fifty year supply of groundwater in the uppermost of three aquifers. The District and the County of San Diego are working together to create a Groundwater Sustainability Plan in accordance with the Sustainable Groundwater Management Act of 2014. As part of the overall sustainability goal, the District has spent approximately \$1,218,000 since 2011 to fallow approximately 120 acres of farmland growing citrus, resulting in a reduction in annual water use of approximately 600 acre-feet per year (AFY) or a 30% reduction of groundwater withdrawals from the Basin against municipal usage of approximately 2,000 AFY.

The District was able to achieve an 8% reduction in total municipal water production. When deducting the non-potable sales, the reduction increases to 11%. The arid desert environment of our Valley averages 5" of rainfall per year. The majority of our rainfall is associated with desert monsoonal events. The monsoonal events of 2013 and 2014 were extraordinary by comparison to 2015. Under normal conditions, the District would have been in a much better position to achieve the necessary production reductions of 25%. The District did not apply drought penalties to ratepayers because we didn't have an appropriate drought policy in effect. It took until September for the District to complete its process to draft and adopt drought related Ordinances that could be used for such a purpose and to establish a volunteer citizen stakeholder committee to make recommendations. In June, however, the District created and disseminated multiple resources to assist ratepayers in making reductions, secured assistance of a master gardener and other gardening experts to work directly with ratepayers, conducted individual meetings with large water user groups and met with local landscape contractors. Further it published drought resources on its website in English and Spanish, and disseminated information through the local media and school system.

It is also important to note that the 25% reduction requested by the SWRCB is well beyond the type of temporary reduction that can be accomplished within the timeframe of the Executive Order by means of best management practices. The District would welcome a meeting with the SWRCB to discuss how best to conserve water in our small desert community.



#### November 2015

#### WATER OPERATIONS REPORT

WELL	TYPE	FLOW RATE	STATUS	COMMENT
				<del></del>
ID1-8	Production	350	In Use	
ID1-10	Production	300	In Use	
ID1-12	Production	950	In Use	
ID1-16	Production	850	In Use	
Wilcox	Production	150	In Use	Diesel backup well for ID-4
ID4-4	Production	350	In Use	
ID4-11	Production	1000	In Use	Diesel engine drive exercised monthly
ID4-18	Production	250	In Use	
ID5-5	Production	900	In Use	

**System Problems:** All Production Wells and reservoirs are in operating condition. The 800 Tank has begun leaking in four location. Layfield is in the process of determining a solution. There were three main breaks in ID4 during the month of November that would add to the percentage of unaccounted for water.

#### 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:

58,497 (gallons per day)

Peak flow:

91,026 gpd Saturday October 24, 2015



## WATER PRODUCTION SUMMARY

### **NOVEMBER 2015**

DATE	ID-1	ID-3	ID-4	DISTRICT-WIDE TOTALS
Nov-13	21.45	11.58	118.74	151.77
Dec-13	16.85	6.75	92.64	116.24
Jan-14	12.51	7.44	103.25	123.20
Feb-14	20.59	6.37	93.87	120.83
Mar-14	38.28	6.90	93.46	138.64
Apr-14	55.77	8.32	124.43	188.52
May-14	64.47	8.46	116.31	189.24
Jun-14	78.14	9.52	123.76	211.42
Jul-14	100.19	9.13	141.45	250.77
Aug-14	101.13	9.72	114.76	225.61
Sep-14	89.33	10.49	142.82	242.64
Oct-14	99.66	9.71	130.38	239.75
Nov-14	71.94	10.32	123.00	205.26
Dec-14	38.95	6.96	95.47	141.38
Jan-15	32.95	6.38	85.84	125.17
Feb-15	22.13	6.15	86.06	114.34
Mar-15	16.78	5.94	86.54	109.26
Apr-15	32.79	8.30	129.76	170.85
May-15	29.25	7.28	104.29	140.82
Jun-15	32.44	9.02	116.67	158.13
Jul-15	29.94	10.04	108.89	148.87
Aug-15	28.19	8.51	113.56	150.26
Sep-15	29.17	9.63	132.98	171.78
Oct-15	32.88	9.23	117.32	159.43
Nov-15	25.27	8.24	113.84	147.35
12 Mo. TOTAL	350.74	95.68	1291.22	1737.64

Totals reflect individual improvement district usage. Interties from ID-3 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-15	2.69	1.09	16.85	N/A	6.88
12 Mo. Average	2.52	1.78	16.86	N/A	7.05

# BORREGO WATER DISTRICT Water Production / Use Records ID # 1

#### Month of November 2015

				Wate	r Productio	n (Acre Feet)				
Date	Well 1	Well 2	Well 8	Well 10	Well 12	Well 16		-Wells1&2	=TotProdn	LessID3&4
		=======	=======		=======	=======		=======	=======	
NOV'14	19.97	10.60	0.05	15.19	30.76	36.26		30.57	82.26	71.94
DEC'14	4.60	1.60	0.00	0.00	20.47	25.44		6.20	45.91	38.95
JAN'15	0.00	4.02	0.04	0.00	16.31	22.98		4.02	39.33	32.95
FEB'15	23.23	4.27	0.06	3.62	14.33	10.27		27.50	28.28	22.13
MAR'15	19.16	14.36	0.02	1.81	14.00	6.89		33.52	22.72	16.78
APR'15	31.57	9.59	0.02	0.00	22.01	19.06		41.16	41.09	32.79
MAY'15	26.99	0.00	4.63	0.00	14.61	17.29		26.99	36.53	29.25
JUN'15	29.81	13.05	0.03	0.26	20.84	20.33		42.86	41.46	32.44
JUL'15	31.62	0.00	0.02	0.00	27.10	12.86		31.62	39.98	29.94
AUG'15	29.12	0.00	8.17	2.56	18.88	7.09		29.12	36.70	28.19
SEP'15	26.32	0.00	17.31	8.03	8.96	4.50		26.32	38.80	29.17
OCT'15	22.39	0.00	0.03	3.93	24.16	13.99		22.39	42.11	32.88
NOV'15	10.12	12.75	0.05	10.48	21.01	1.97		22.87	33.51	25.27
TOTALS	254.93	59.64	30.38	30.69	222.68	162.67		314.57	446.42	350.74
	=======				=======	=======		========		=======
				W	ater Use (A	cre Feet)				
					ater Use (A	cre Feet)			Water	
Date				Golf	Golf	cre Feet)			Water	* Loss
Date	Domestic		Constrt'n	Golf	Golf Spare Cap		ID 4	Total	Water Loss	% Loss
	Domestic	Irrigat'n	Constrt'n	Golf Course	Golf Spare Cap	ID 3	ID 4	Total	Water Loss	% Loss
	Domestic	Irrigat'n	Constrt'n	Golf Course	Golf Spare Cap	ID 3	ID 4	Total	Water Loss	% Loss
=====	Domestic	Irrigat'n	Constrt'n	Golf Course	Golf Spare Cap	ID 3	ID 4	Total	Water Loss	% Loss
=====	Domestic	Irrigat'n	Constrt'n	Golf Course	Golf Spare Cap	ID 3	ID 4	Total	Water Loss	% Loss
=====	Domestic	Irrigat'n	Constrt'n	Golf Course	Golf Spare Cap	ID 3	ID 4	Total	Water Loss 	% Loss
NOV'14	Domestic	Irrigat'n ======= 11.94	Constrt'n	Golf Course 	Golf Spare Cap ======= 51.35	ID 3	ID 4	Total	Water Loss 	% Loss 
NOV'14	Domestic ====================================	Irrigat'n ======= 11.94 	Constrt'n ======= 0.18 	Golf Course ======= 0.35	Golf Spare Cap ======= 51.35 30.83	ID 3 ====================================	ID 4	Total	Water Loss 	% Loss 
NOV'14  DEC'14 JAN'15	Domestic ======= 10.38  8.58 7.88	Irrigat'n =======  11.94 7.05 6.82	Constrt'n ======= 0.18  0.04 0.00	Golf Course ======= 0.35  0.00 0.00	Golf Spare Cap ======= 51.35 30.83 17.00	ID 3 ====================================	ID 4	Total  84.52  53.46 38.08	Water Loss 	% Loss 
NOV'14  DEC'14 JAN'15 FEB'15	Domestic ======= 10.38  8.58 7.88 7.60	Irrigat'n =======  11.94 7.05 6.82 5.30	Constrt'n 0.18 0.04 0.00 0.00	Golf Course ======= 0.35  0.00 0.00	Golf Spare Cap ======= 51.35 30.83 17.00 7.72	ID 3 ======= =  10.32	ID 4 0.00 0.00 0.00	Total  84.52  53.46 38.08 26.77	Water Loss -2.26 -7.55 1.25 1.51 0.13	% Loss
NOV'14  DEC'14 JAN'15 FEB'15 MAR'15	Domestic ====== 10.38  8.58 7.88 7.60 7.44	Irrigat'n =======  11.94 7.05 6.82 5.30 6.18	0.18  0.04 0.00 0.00	Golf Course  0.35  0.00 0.00 0.00	Golf Spare Cap ======  51.35 30.83 17.00 7.72 3.03	1D 3  10.32  6.96 6.38 6.15 5.94 8.30	ID 4  0.00  0.00  0.00  0.00  0.00  0.00	Total  84.52  53.46  38.08  26.77  22.59	Water Loss -2.26 -7.55 1.25 1.51 0.13	* Loss -2.75* -16.46* 3.17* 5.36* 0.51*
NOV'14 DEC'14 JAN'15 FEB'15 MAR'15 APR'15	Domestic ======= 10.38  8.58 7.88 7.60 7.44 9.66	Trrigat'n =======  11.94 7.05 6.82 5.30 6.18 10.38	O.18 0.04 0.00 0.00 0.00 0.00	Golf Course  0.35  0.00 0.00 0.00 0.00	Golf Spare Cap ======  51.35 30.83 17.00 7.72 3.03 9.29	1D 3  10.32  6.96 6.38 6.15 5.94 8.30 7.28	0.00 0.00 0.00 0.00 0.00 0.00	Total  84.52  53.46  38.08  26.77  22.59  37.63	Water Loss2.267.55 1.25 1.51 0.13 3.46	% Loss
NOV'14 DEC'14 JAN'15 FEB'15 MAR'15 APR'15 MAY'15	Domestic ======= 10.38  8.58 7.88 7.60 7.44 9.66 8.32	Trrigat'n =======  11.94 7.05 6.82 5.30 6.18 10.38 9.21	O.18 0.04 0.00 0.00 0.00 0.00 0.00	Golf Course 0.35 0.00 0.00 0.00 0.00 0.00	Golf Spare Cap ======= 51.35 30.83 17.00 7.72 3.03 9.29 9.47	1D 3  10.32  6.96 6.38 6.15 5.94 8.30 7.28 9.02	0.00 0.00 0.00 0.00 0.00 0.00 0.00	Total  84.52  53.46 38.08 26.77 22.59 37.63 34.28 39.51	Water Loss	* Loss
NOV'14 DEC'14 JAN'15 FEB'15 MAR'15 APR'15 JUN'15	10.38 	Trrigat'n =======  11.94 7.05 6.82 5.30 6.18 10.38 9.21 10.93	0.18 	Golf Course  0.35  0.00 0.00 0.00 0.00 0.00	Golf Spare Cap ======= 51.35 30.83 17.00 7.72 3.03 9.29 9.47 10.82	1D 3  10.32  6.96 6.38 6.15 5.94 8.30 7.28 9.02	0.00 0.00 0.00 0.00 0.00 0.00 0.00	Total  84.52  53.46  38.08  26.77  22.59  37.63  34.28  39.51  38.65	Water Loss2.267.55 1.25 1.51 0.13 3.46 2.25 1.95 1.33	% Loss
NOV'14 DEC'14 JAN'15 FEB'15 MAR'15 APR'15 JUN'15 JUN'15	10.38 	11.94  7.05 6.82 5.30 6.18 10.38 9.21 10.93 14.86	Constrt'n 0.18 0.04 0.00 0.00 0.00 0.00 0.00 1.18	Golf Course 	Golf Spare Cap =======  51.35 30.83 17.00 7.72 3.03 9.29 9.47 10.82 2.47	1D 3	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Total  84.52  53.46  38.08  26.77  22.59  37.63  34.28  39.51  38.65  34.22	Water Loss	% Loss
NOV'14 DEC'14 JAN'15 FEB'15 MAR'15 APR'15 JUN'15 JUN'15 JUL'15 AUG'15	Domestic =======  10.38  8.58 7.88 7.60 7.44 9.66 8.32 8.74 10.10 10.71	Trrigat'n =======  11.94 7.05 6.82 5.30 6.18 10.38 9.21 10.93 14.86 13.84 13.04	Constrt'n 0.18 0.04 0.00 0.00 0.00 0.00 1.18 1.16 1.39	Golf Course 0.35 0.00 0.00 0.00 0.00 0.00 0.00 0.	Golf Spare Cap =======  51.35 30.83 17.00 7.72 3.03 9.29 9.47 10.82 2.47 0.00 2.57	1D 3  10.32  6.96 6.38 6.15 5.94 8.30 7.28 9.02 10.04 8.51 9.63	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Total  84.52  53.46  38.08  26.77  22.59  37.63  34.28  39.51  38.65  34.22  36.85	Water Loss2.267.55 1.25 1.51 0.13 3.46 2.25 1.95 1.33 2.48 1.95	% Loss
DEC'14 JAN'15 FEB'15 MAR'15 APR'15 JUN'15 JUL'15 AUG'15 SEP'15	Domestic =======  10.38  8.58 7.88 7.60 7.44 9.66 8.32 8.74 10.10 10.71 10.22	Trrigat'n =======  11.94 7.05 6.82 5.30 6.18 10.38 9.21 10.93 14.86 13.84	Constrt'n =======  0.18  0.04 0.00 0.00 0.00 0.00 1.18 1.16 1.39 1.34	Golf Course 0.35 0.00 0.00 0.00 0.00 0.00 0.00 0.	Golf Spare Cap =======  51.35 30.83 17.00 7.72 3.03 9.29 9.47 10.82 2.47 0.00 2.57 8.19	1D 3  10.32  6.96 6.38 6.15 5.94 8.30 7.28 9.02 10.04 8.51 9.63 9.23	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Total  84.52  53.46 38.08 26.77 22.59 37.63 34.28 39.51 38.65 34.22 36.85 40.53	Water Loss2.267.55 1.25 1.51 0.13 3.46 2.25 1.95 1.33 2.48 1.95 1.58	% Loss
DEC'14 JAN'15 FEB'15 MAR'15 APR'15 JUN'15 JUL'15 AUG'15 SEP'15 OCT'15	Domestic =======  10.38  8.58 7.88 7.60 7.44 9.66 8.32 8.74 10.10 10.71 10.22 10.67	Trrigat'n ========  11.94 7.05 6.82 5.30 6.18 10.38 9.21 10.93 14.86 13.84 13.04 11.10	Constrt'n 0.18 0.04 0.00 0.00 0.00 0.00 1.18 1.16 1.39	Golf Course 0.35 0.00 0.00 0.00 0.00 0.00 0.00 0.	Golf Spare Cap =======  51.35 30.83 17.00 7.72 3.03 9.29 9.47 10.82 2.47 0.00 2.57	1D 3  10.32  6.96 6.38 6.15 5.94 8.30 7.28 9.02 10.04 8.51 9.63	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Total  84.52  53.46  38.08  26.77  22.59  37.63  34.28  39.51  38.65  34.22  36.85	Water Loss2.267.55 1.25 1.51 0.13 3.46 2.25 1.95 1.33 2.48 1.95	* Loss
DEC'14 JAN'15 FEB'15 MAR'15 APR'15 JUN'15 JUL'15 AUG'15 SEP'15 OCT'15	Domestic =======  10.38  8.58 7.88 7.60 7.44 9.66 8.32 8.74 10.10 10.71 10.22 10.67	Trrigat'n =======  11.94 7.05 6.82 5.30 6.18 10.38 9.21 10.93 14.86 13.84 13.04 11.10 8.67	Constrt'n =======  0.18  0.04 0.00 0.00 0.00 0.00 1.18 1.16 1.39 1.34	Golf Course 0.35 0.00 0.00 0.00 0.00 0.00 0.00 0.	Golf Spare Cap =======  51.35 30.83 17.00 7.72 3.03 9.29 9.47 10.82 2.47 0.00 2.57 8.19	1D 3	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Total  84.52  53.46 38.08 26.77 22.59 37.63 34.28 39.51 38.65 34.22 36.85 40.53 32.61	Water Loss	% Loss

# BORREGO WATER DISTRICT $\begin{tabular}{lll} Water Production / Use Records \\ ID \# 3 \end{tabular}$

Month of November 2015

	La Casa	del Zorro	Deep W	ell Trail /	Others			
	Total A	cre Feet		Acre Feet		Total	Total	Total
Date	Irrigat'n	Domestic	Irrigat'n	Domestic	Total	Irrigat'n	Domestic	Acre Feet
=====	=======	=======			=======	=======	=======	
NOV'14	0.00	4.80	0.25	5.21	5.46	0.25	10.01	10.26
DEC'14	0.00	2.65	0.06	4.23	4.29	0.00		5.04
						0.06	6.88	6.94
JAN'15	0.00	2.63	0.11	3.47	3.58	0.11	6.10	6.21
FEB'15	0.00	2.39	0.10	3.37	3.47	0.10	5.76	5.86
MAR'15	0.00	2.26	0.10	3.54	3.64	0.10	5.80	5.90
APR'15	0.00	3.03	0.14	4.98	5.12	0.14	8.01	8.15
MAY'15	0.00	2.46	0.25	4.37	4.62	0.25	6.83	7.08
JUN'15	0.00	3.32	0.24	5.17	5.41	0.24	8.49	8.73
JUL'15	0.00	3.46	0.13	5.93	6.06	0.13	9.39	9.52
AUG'15	0.00	3.43	0.16	5.28	5.44	0.16	8.71	8.87
SEP'15	0.00	3.33	0.14	6.03	6.17	0.14	9.36	9.50
OCT'15	0.00	3.36	0.22	5.49	5.71	0.22	8.85	9.07
NOV'15	0.00	3.10	0.08	4.97	5.05	0.08	8.07	8.15
TOTALS	0.00	35.42	1.73	56.83	58.56	1.73	92.25	93.98
=====	=======	=======	=======	=======		========	=======	

	Water Produce	d Water Deliver	ed	
Date	Acre Feet	Acre Feet	Wtr Loss	% Loss
=====	========	========	=======	
NOV'14	10.32	10.26	0.06	0.58%
DEC'14	6.96	6.94	0.02	0.29%
JAN'15	6.38	6.21	0.17	2.66%
FEB'15	6.15	5.86	0.29	4.72%
MAR'15	5.94	5.90	0.04	0.67%
APR'15	8.30	8.15	0.15	1.81%
MAY'15	7.28	7.08	0.20	2.75%
JUN'15	9.02	8.73	0.29	3.22%
JUL'15	10.04	9.52	0.52	5.18%
AUG'15	8.51	8.87	36	-4.23%
SEP'15	9.63	9.50	0.13	1.35%
OCT'15	9.23	9.07	0.16	1.73%
NOV'15	8.24	8.15	0.09	1.09%
TOTALS	95.68	93.98	1.70	1.78%
=====		========	=======	========

#### BORREGO WATER DISTRICT

#### Water Production / Use Records

#### ID # 4

Month of November 2015

				Wate	r Productio	n (Acre Fee	t)				
Date	Well 2	Well 3	Well 4	Well 5	Well 10	Well 11	Well 18	Wilcox	Well 85	Total	Less ID5
	=======	=======			=======	=======	=======		=======	=======	
NOV'14	0.00	0.00	46.53	9.13	9.26	54.05	4.03	0.00	0.00	123.00	118.23
DEC'14	0.00	0.00	50.05	5.20	9.88	27.86	2.48	0.00	0.00	95.47	95.47
JAN'15	0.00	0.00	46.58	5.52	9.21	22.40	2.13	0.00	0.00	85.84	85.84
FEB'15	0.00	0.00	45.03	5.35	8.85	24.24	2.59	0.00	0.00	86.06	86.06
MAR'15	0.00	0.00	43.04	5.91	8.26	27.25	2.08	0.00	0.00	86.54	86.54
APR'15	0.00	0.00	52.18	10.61	9.98	53.46	3.53	0.00	0.00	129.76	129.76
MAY'15	0.00	0.00	44.16	9.57	6.91	40.55	3.09	0.01	0.00	104.29	104.29
JUN'15	0.00	0.00	50.06	9.12	8.40	45.42	3.67	0.00	0.00	116.67	116.67
JUL'15	0.00	0.00	40.26	18.80	0.00	46.40	3.43	0.00	0.00	108.89	108.89
AUG'15	0.00	0.00	42.85	18.74	0.00	48.91	3.05	0.01	0.00	113.56	113.56
SEP'15	0.00	0.00	47.84	22.20	0.00	59.16	3.74	0.04	0.00	132.98	132.98
OCT'15	0.00	0.00	41.80	20.80	0.00	51.34	3.38	0.00	0.00	117.32	117.32
NOV'15	0.00	0.00	42.96	18.46	0.00	49.35	3.07	0.00	0.00	113.84	113.84
TOTALS	0.00	0.00	546.81	150.28	61.49	496.34	36.24	0.06	0.00	1291.22	1291.22
		=======		=======	=======		=======	=======	=======	=======	=======
	_										
		later Produc	ed	Water Use						ID 5	
Date		Acre Feet		Acre Feet		Wtr Loss		% Loss		Acre Feet	
=====		=======		=======		=======		========			
370771114		400.00		100.00		4.6.08					
NOV'14		123.00		106.93		16.07		13.07%		4.77	
DEC'14		95.47		77 21		10 16		10 008		0.00	
				77.31		18.16		19.02%		0.00	
JAN'15		85.84		66.24		19.60		22.83%		0.00	
FEB'15		86.06		69.74		16.32		18.96%		0.00	
MAR'15		86.54		73.17		13.37		15.45%		0.00	
APR'15		129.76		106.38		23.38		18.02%		0.00	
MAY'15		104.29		87.10		17.19		16.48%		0.00	
JUN'15		116.67		99.06		17.61		15.09%		0.00	
JUL'15		108.89		94.21		14.68		13.48%		0.00	
AUG'15		113.56		96.54		17.02		14.99%		0.00	
SEP'15		132.98		108.92		24.06		18.09%		0.00	
OCT'15		117.32		100.23		17.09		14.57%		0.00	
NOV'15		113.84		94.66		19.18		16.85%		0.00	
TOTALS		1291.22		1073.56		217.66		16.86%	i	0.00	
=====		=======		=======		========		========		=======	

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#### **NEED CASH? CUT YOUR WATER BILL**

The BWD Board, in an effort to replenish its coffers, has increased the price of water by more than 100% over the last several years. Customers have responded as expected by cutting back on water use. Some have responded by cutting back on most or all of their outside watering, with the result that one sees unsightly dead trees and hedges in almost all neighborhoods. But an important method of water conservation, that could elevate the need for such extreme actions, has been largely ignored. Many, and perhaps most of us, use significantly more irrigation water than needed in the winter months.

The fact that residents, on average, water too much in the colder months can be established by looking at the water-use statistics provided by the BWD. In January of 2015 the BWD sold 66.24 af (acre feet) of water compared to 94.21 af in July. Water used consists of indoor use and outside, or irrigation, use. The American Water Works Association has calculated that per capita consumption of water is approximately 70 gallons per day. If one assumes that there are 1000 residents per day in July and 5000 in January, then indoor water use is 6.44 af/m in July and 32.2 af/m in January. Thus there are 87.8 af/m of irrigation water used in July and 45.1 af/m in January. So there was approximately one half as much water used for irrigation in January as in July.

How much less water should be used in January? All plants differ in their water requirements, and specific data that is relevant for the Borrego Valley is not always available. One family of trees for which there is readily available data is citrus, and since these are commonly grown by homeowners, they will provide a useful example. The University of Arizona has produced a publication titled "Irrigating Citrus"

Trees" that is readily available online. It provides a handy watering chart plus the formula for doing the calculations for a specific location. We find that an orange tree with a 20 ft diameter canopy will require 60.2 af of water per day in July, and 7.5 af in December and January. Thus simple division shows that an orange tree requires more than eight times as much water in July as in December and January, with the requirement for other months being proportional. Thus, as a simple rule of thumb, if you water every day in July, then you should water 6 days in August, 5 days in September, and so on with one day in January, then increasing by one day a month until July. Even with such fairly substantial reductions you will still be overwatering by about 15% in January and more than 30% in December and February.

How much money is wasted by overwatering in Borrego? We estimated that there was about 45 af of water used for irrigation in December. If we watered appropriately there would be approximately 11 af used (87.7 / 8), so we collectively overwater by at least 34 af. The price of water for BWD customers is about \$1054 af so just for the month of December we collectively waste almost \$36,000, and there will be proportionate waste for other months as well. How much could a household save? I have spoken with people who never adjust their watering times. Such a person, who spends \$100 a month for irrigation water, will spend \$1,200. a year. Switching to the schedule described above would cost them less than \$700 for the year with a saving of about \$500.

There are other things to remember for winter watering. Deciduous plants do not need to be watered at all during their dormant period, so one can shut the water off completely when the leaves turn color, and the water need not be turned on again until

the leaves are fully out in the spring. Also remember that when you turn off the water at one emitter, it may increase the pressure, and thus the water flow, at others, and there may not be much water savings unless the other emitters are adjusted. One easy adjustment method is to proportionally reduce the time the water is on.

It has been predicted that we will receive more rain than usual this season. With any significant rainfall, the entire irrigation system can be shut off for at least a week, and perhaps longer. The water requirements for the months of November through February are relatively low, and for January and December are 12% of the amount needed in July, while for February and November are 18%. Thus in a wet year, little or no irrigation will be required in these months.

In summary, many of us substantially overwater in the winter. Overwatering has no benefits and can have costs because it increases the leaching of nutrients from the soil. The bottom line is that if you water every day in July, then if you water more than one day a week in December and January you are overwatering and wasting money.

Jim Melvin December 9, 2015