

SAN GORGONIO PASS WATER AGENCY
1210 Beaumont Avenue, Beaumont, CA
Board of Directors Meeting
Agenda
March 7, 2016 at 7:00 p.m.

1. Call to Order, Flag Salute and Roll Call

2. Adoption and Adjustment of Agenda

3. Public Comment

Members of the public may address the Board at this time concerning items relating to any matter within the Agency's jurisdiction. To comment on specific agenda items, please complete a speaker's request form and hand it to the board secretary.

4. Consent Calendar:

If any board member requests that an item be removed from the Consent Calendar, it will be removed so that it may be acted upon separately.

- A. Approval of the Minutes of the Regular Board Meeting, February 16, 2016*
(Page 2)
- B. Approval of the Minutes of the Finance and Budget Workshop, February 22, 2016, 2016* (Page 8)
- C. Approval of the Finance and Budget Workshop Report, February 22, 2016*
(Page 10)
- D. Approval of the Recommendations made at the Board Finance and Budget Workshop, as set forth in the Finance and Budget Workshop Report, February 22, 2016

5. Reports (Discussion and Possible Action)

- A. General Manager's Report
 - 1. Operations Report
 - 2. Report on Water Supply Conditions* (Page 22)
 - 2. General Agency Updates
- B. General Counsel Report
- C. Directors' Reports

6. New Business (Discussion and Possible Action)

- A. Consideration of Yucaipa Basin Studies Participation* (Page 26)
- B. Consideration of USGS Work Plan*(Page 28)
- C. Appointment of ACWA JPIA Board Member* (Page 41)
- D. Discussion Regarding Governance* (Page 44)
- E. Discussion of Cost Analysis for Beaumont Avenue Recharge Facility*(Page 46)
- F. Appointments for Employee Guide Standing Committee
- G. Appointment of Ad Hoc Committee on Regional Water Supply Issues

7. Topics for Future Agendas

8. Announcements

- A. Special Joint Meeting, March 10, 2016 at 6:00 p.m.
 - Location: Beaumont Cherry Valley Water District
560 Magnolia Avenue, Beaumont, CA
- B. Engineering Workshop, March 14, 2016 at 4:00 p.m.
- C. Regular Board Meeting, March 21, 2016 at 7:00 p.m.

9. Adjournment

***Information included in Agenda Packet**

(1) Materials related to an item on this Agenda submitted to the Board of Directors after distribution of the agenda packet are available for public inspection in the Agency's office at 1210 Beaumont Avenue, Beaumont during normal business hours. (2) Pursuant to Government Code section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Agency's office, located at 1210 Beaumont Avenue, Beaumont, California 92223, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Web site, accessible at: www.sgpwa.com. 1 / 4 6
Persons with a disability who requires accommodation in order to participate in this meeting should telephone the Agency (951 845-2577) at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

SAN GORGONIO PASS WATER AGENCY
1210 Beaumont Avenue, Beaumont, California 92223
Minutes of the
Board of Directors Meeting
February 16, 2016

Directors Present: John Jeter, President
 Bill Dickson, Vice President
 Mary Ann Melleby, Treasurer
 Blair Ball, Director
 Ron Duncan, Director
 David Fenn, Director
 Leonard Stephenson, Director

Staff Present: Jeff Davis, General Manager
 Jeff Ferré, General Counsel
 Cheryle Rasmussen, Executive Assistant

- 1. Call to Order, Flag Salute and Roll Call:** The meeting of the San Gorgonio Pass Water Agency Board of Directors was called to order by Board President John Jeter at 7:00 p.m., February 16, 2016 in the Agency Boardroom at 1210 Beaumont Avenue, Beaumont, California. Director Dickson led the Pledge of Allegiance to the flag. A quorum was present. President Jeter requested roll call.

<u>Roll Call:</u>	Present	Absent
Director Stephenson	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Director Ball	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Director Fenn	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Director Melleby	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Director Duncan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Director Dickson	<input checked="" type="checkbox"/>	<input type="checkbox"/>
President Jeter	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- 2. Adoption and Adjustment of the Agenda:** *President Jeter asked if there were any adjustments to the agenda.* Director Fenn made a motion, seconded by Director Ball, to table item 6A. Legal Counsel Jeff Ferre instructed the Board that a motion can take place at this time or to make a motion at the time item 6A is being discussed. After discussion, the motion was amended by Director Fenn, seconded by Director Ball, to table item 6A for 90 days. Motion passed 6-1, with Director Melleby opposed. The Agenda was adopted as amended.
- 3. Public Comment:** *President Jeter asked if there were any members of the public that wished to make a public comment on items that are within the jurisdiction of the Agency.* Banning Council Member Deborah Franklin suggested that the San Gorgonio Pass Water Alliance be a forum to discuss

a number of differences that BCVWD and YVWD have with the Agency. The discussion would include all local water agency representatives and would be open to the public.

4. Consent Calendar:

- A. Approval of the Minutes of the Regular Board Meeting, February 1, 2016
- B. Approval of the Minutes of the Engineering Workshop, February 8, 2016

Director Melleby moved, seconded by Director Dickson, to approve the Consent Calendar as presented. Director Duncan abstained from voting on the February 8, 2016 Minutes, as he was not in attendance. Motion carried 7-0 on Consent Item 4A. Motion carried 6-0-1 on Consent Item 4B, with Director Duncan abstaining.

5. Reports:

A. General Manager's Report:

(1) Operations Report: General Manager Davis reported on the following: **a) El Nino:** General Manager Davis related that California has not received rain for the past couple of weeks and that Southern California has been experiencing record breaking high temperatures in the 80s and 90s. **b) California Snow Water Content:** General Manager Davis referenced graphs located on pages 9 and 10 of the agenda package. Page 9 provided graphs on the snow water content as of February 12 – percent of April 1st average for Northern, Central and Southern California. As of February 12, the statewide percentage of April 1 was 73%. The statewide percent of average for the date is at 100%. Page 10 provided a graph on the Lake Oroville Storage conditions as of February 11, 2016; 47% of total capacity and 71% of historical average for February 11, 2016.

(2) ACWA Groundwater Management Committee Meeting: General Manager Davis reported on the first committee meeting that took place on February 10. Topics of discussion included: SGMA, Groundwater Sustainability Plan Emergency Regulations, Basin Boundary Revisions and Prop 1 funding. The next meeting will be held at the 2016 Spring ACWA conference in Monterey.

(3) General Agency Updates: **1)** General Manager Davis provided an explanation as to why there is an item on the agenda (6B) pertaining to appointing an Ad Hoc Committee for a facilitated process with local retail water agencies. He informed the Board that San Bernardino Valley Water Municipal District has offered to fund a facilitator to help resolve differences between the Agency and some water retailers. More discussion on this topic will take place during item 6B of the agenda. **2) Cabazon Model:** USGS was contracted by the Agency to provide a report on the Cabazon Model. USGS has authored a Scientific Investigation report titled: Estimating Natural Recharge in San

Gorgonio Pass Watersheds, California, 1913-2012, which includes the Cabazon model. This report will be helpful in implementing SGMA.

B. General Counsel Report: General Counsel Jeff Ferré stated that the process that the Agency uses at the Finance and Budget workshop meetings is not in violation of the Brown Act. He recommended that the agenda item – New Business (Discussion only) be written as, New Business (Discussion and possible recommendations for action at a future regular Board meeting). This wording would make it clear to the public that there will be discussion with possible actions on recommendations, but no final action. He also recommended that the regular Board agenda include (either under Consent Item or New Business): Approval of the Recommendations made at the Board Finance and Budget Workshop, as set forth in the Finance and Budget Workshop Report. General Counsel Ferré addressed the issue of what constitutes a workshop. He stated that the Brown Act does not address the term workshop; it only addresses “Board meetings” and “Special meetings”. He stated that a workshop would fall under “Special meeting” and would need to follow the guidelines for a “Special meeting”, which the Agency abides by.

C. Directors Reports: (1) **Director Ball** reported on YVWD and BCVWD meetings that he attended; both had an agenda item to consider a resolution pertaining to changing the governance structure of the SGPWA. He was appreciative of the number of attendees that came to the meeting to comment. He emphasized that Board meetings are to be administered by the Board and not by staff. He was displeased and concerned that the actions taken by YVWD and BCVWD has hindered the Agency’s legislative efforts to reduce the Agency’s Board members from seven to five. He stated that he would hope that both YVWD and BCVWD Board members would no longer consider such an action. In addition, that they contact Senator Morrell’s office informing them that they are no longer seeking to restructure the Agency’s Board, thereby allowing the Agency to move forward with its intent to reduce the Board from seven to five members. (2) **Director Duncan** reported that he also attended the same meetings and was in agreement with most of what Director Ball stated. He expressed that it was apparent that some YVWD and BCVWD board members were not given adequate notice that this item was coming up. He stated that a number of individuals within the local water industry were not made aware of YVWD and BCVWD intent to consider a resolution to restructure the Agency’s Board until it was posted. He recommended that in the future YVWD’s and BCVWD’s general managers be instructed to include all water retailers in future meetings of this manner. Director Duncan noted that Senator Morrell has stated that he will not consider either proposed bill, as he has stipulated that this issue needs to be resolved. (3) **Director Stevenson** stated that he echoed the sentiments of Director Duncan and Director Ball. He is hopeful that this issue will be resolved so that the Agency can move forward with its intent to reduce the number of board members from seven to five. Director Stevenson then read a statement pertaining to what a fellow Board member perceived as a potential violation of the Brown Act at the Finance and Budget Workshop of January 25th. He stated that in the future

should any Board member, during the course of a Board meeting or workshop, question whether there is a potential Brown Act violation during a meeting, to make it known at that time, and to not wait to bring the matter before the board after-the-fact. He emphasized that it is a common goal of all of the Agency's board members to abide by the Brown Act.

6. New Business: (Discussion and Possible Action)

A. Consideration of Authorizing General Manager to Advertise for Beaumont Avenue Recharge Facility for Construction: This item was tabled for 90 days during the Adoption and Adjustment of the Agenda.

B. Consideration of Authorizing Legislative Advocacy Services: A staff report from General Counsel and a copy of a Legislative Services Agreement were included in the agenda package. Legal Counsel Jeff Ferre recommended authorizing lobbying advocacy services. He explained the endeavors that have taken place thus far to reduce the Board from seven to five members by BB&K's Director of Governmental Affairs Syrus Devers, including providing the necessary language needed to be added to an existing bill. Those efforts were unsuccessful due to the nature and pace of bill. Since then, Mr. Devers has (at no charge) been instrumental in setting up meetings between local legislators and Agency representatives. The meetings were to start the process of networking outreach, providing the Agency's message, and the goal for the proposed bill. Due to those networking efforts Mr. Devers obtained information about a competing bill presented by YVWD to change the board size and the governance structure. Both YVWD and BCVWD had on their most recent Board meeting agendas resolutions supporting changes to the governance structure of the SGPWA. The outcome at both Board meetings was to table the resolutions. BB&K would recommend having some level of advocacy services. BB&K's service would be \$5000 per month through January 2017 and is part of the services contemplated under the agreement for legal services which is already in effect with the Agency. Since these services would be paid in a different manner, the proposed letter agreement is recommended to document that fact. In addition, such services may be revoked at any time. Legal Counsel Ferre stated that the Agency could certainly seek out another lobbying firm. After discussion, Director Melleby made a motion, seconded by Director Duncan, to contract with BB&K for legislative services in the amount of \$5,000 per month. Motion passed 7-0.

C. Consideration of Participation in Bunker Hill Conjunctive Use Program Memorandum of Understanding MOU: General Manager Davis reminded the Board that this item was discussed at the February 8th Engineering workshop. The purpose of this proposed Board action is to consider whether the Board wishes to be a signatory to the MOU. The MOU is to figure out the cost allocation and does not commit anyone to participate nor does it commit them to the entire MOU process. The MOU expires at the end of 2016, with the anticipation that a cost allocation structure will have been agreed to by that time. After discussion, Director Dickson made a motion, seconded by Director Melleby, to authorize the

General Manager to sign the MOU, subject to the approval of the General Counsel. Motion passed 7-0.

D. Appointment of Ad Hoc Committee for Facilitated Process with Retail Water Agencies on its Recharge Facility: General Manager Davis stated that he is essentially asking for the appointment of an Ad Hoc Committee, but that the exact task is not known at this point-in-time. It was placed on the agenda to send a strong message to other parties that the Agency wants to participate in such a process. President Mark Bulot (SBVMWD) recommended this process and has identified a professional facilitator and SBVMWD is evidently willing to pay for the first phase of this process. General Manager Davis gave a general idea of how this process would work. Legal Counsel Ferre asked for input from the other water agencies. A number of suggestions were made by members of the public. Legal Counsel Ferre reminded the Board that the item on the agenda is to appoint an ad hoc committee for the facilitated process with retail water agencies. If it is a general consensus not to set-up an ad hoc committee for a facilitated process then there is no need to take action on this item. The Board can direct staff to work with BCVWD and YVWD to set-up a joint meeting; board action is not required. He stated that should the board wish to discuss this matter further it would need to be added to a future board meeting agenda, or one of the water districts can add it to its board meeting agenda and the Agency would respond to it. After discussion, no action was taken on this item.

E. Consideration of Authorizing Letter to BCVWD inviting BCVWD to make a Presentation on its Recharge Facility: A copy of an email submitted by Directors Ball, Duncan and Fenn to the General Manager was included in the agenda package. Director Ball met with Director Duncan and Director Fenn and they were in consensus of proposing this item and the next two agenda items. Director Ball requested that a BCVWD representative be invited to make a presentation (preferably around 20 minutes with Mr. Jagers) of its recharge facility on Beaumont Ave., at the March 21, 2016 Board meeting at 7pm. The presentation by BCVWD is to hear what is available from their point of view, in order for the Board to make an educated decision pertaining to the Beaumont Avenue Recharge Facility; this item is in relationship with the 2012 Strategic Plan. Director Ball stated that he would also like to know if there are other recharge facilities within the Agency's boundaries. Director Ball made a motion, seconded by Director Duncan, authorizing a letter inviting BCVWD to make a presentation of its recharge facility on Beaumont Avenue, to the members of this Board, general public and interested elected water officials, with a flexible date of March 21st. After discussion, the Board requested that notification be sent out to all of the elected water officials. Motion passed 6-1, with Director Dickson opposed.

F. Consideration of Requesting a Presentation of Historic Sales and Expenses of the Water Rate Fee of \$317 from February 2009 through December 2015: Director Ball stated that he has met with Finance Director Thomas Todd concerning the water rate fee of \$317. He stated that a presentation of historic sales and expensed would give the Board an opportunity

to see where we are in our expenditures from 2009 through 2015. The presentation could be based on a fiscal year or calendar year. General Manager stated that they have been working on this presentation prior to this request. General Manager Davis stated that Finance Manager Thomas Todd will be present at this meeting. The Board was in consensus of having the presentation at the April 4th Board meeting. Director Ball made a motion, seconded by Director Dickson, to hear the historic sales and expenses of the water rate fee of \$317. Motion passed 7-0.

G. Consideration of Resuming Monthly Managers' Meetings: Director Ball stated that this item falls in line with the Strategic Plan and sees these meetings as a positive. He suggested that these meetings resume under the direction of the Board, whereby a member of the Board would be at the meetings as a moderator. All seven of the general managers should be invited, in the hopes of better communication and dialogue. General Counsel Ferre stated that the Board may appoint a Board moderator; however the meetings need to be open to all seven Board members if they wish to attend. After discussion, Director Duncan made a motion, seconded by Director Stephenson, to table this item. Motion passed 5-2, with Directors Ball and Fenn opposed.

7. Topics for Future Agendas: Director Ball requested staff to seek out contact information for local water agencies Board members.

8. Announcements: *President Jeter reviewed the following announcements:*

- A. San Gorgonio Pass Regional Water Alliance, February 24, 2016
 - 1. Technical Committee at 4:30 p.m. – Banning City Hall Conference Room
 - 2. Regular Board Meeting at 6:30 p.m. – Banning City Council Chambers
- B. Regular Board Meeting, March 7, 2016 at 7:00 p.m.
- C. Engineering Workshop, March 14, 2016 at 4:00 p.m.

9. Adjournment: *President Jeter adjourned the meeting at 8:57 p.m.*

Draft – Subject to Board Approval

Jeffrey W. Davis, Secretary of the Board

(11)

SAN GORGONIO PASS WATER AGENCY
1210 Beaumont Avenue
Beaumont, California 92223
Minutes of the
Board Finance and Budget Workshop
February 22, 2016

Directors Present: John Jeter, President
Bill Dickson, Vice President
Mary Ann Melleby, Treasurer
Blair Ball, Director
David Fenn, Director
Leonard Stephenson, Director

Directors Absent: Ron Duncan, Director

Staff and Consultants Present:
Jeff Davis, General Manager
Tom Todd, Jr., Finance Manager

1. **Call to Order, Flag Salute and Roll Call:** The Finance and Budget workshop of the San Gorgonio Pass Water Agency Board of Directors was called to order by President John Jeter at 4:00 p.m., February 22, 2016, in the Agency Conference Room at 1210 Beaumont Avenue, Beaumont, California. President Jeter led the Pledge of Allegiance to the flag. A quorum was present.

President Jeter turned the meeting over to the Chair of the Finance & Budget Committee, Director Mary Ann Melleby.

2. **Adoption and Adjustment of Agenda:** The agenda was adopted as published.
3. **Public Comment:** Lonnie Granlund, president of the board of the Yucaipa Valley Water District, issued an invitation to the Board to attend a meeting to be held at Beaumont Cherry Valley Water District headquarters on March 10, 2016 at 6:00 pm.
4. **New Business:**
 - A. Ratification of Paid Invoices and Monthly Payroll for January, 2016 by Reviewing Check History Reports in Detail: After review and discussion, a motion was made by Director Stephenson, seconded by Director Dickson, to recommend that the Board ratify paid monthly invoices of \$997,801.95 and payroll of \$30,984.12 for the month of January, 2016, for a combined total of \$1,028,786.07. The motion passed 6 in favor, no opposed, with Director Duncan absent.
 - B. Review Pending Legal Invoices: After review and discussion, a motion was made by Director Stephenson, seconded by Director Fenn, to recommend that the Board approve payment of the pending legal invoices for January, 2016. The motion passed 6 in favor, no opposed, with Director Duncan absent.

- C. Review of January, 2016 Bank Reconciliation: After review and discussion, a motion was made by Director Stephenson, seconded by Director Ball, to recommend that the Board acknowledge receipt of the Wells Fargo bank reconciliation for January, 2016 as presented. The motion passed 6 in favor, no opposed, with Director Duncan absent.
- D. Review of Budget Report for January, 2016: After review and discussion, a motion was made by Director Stephenson, seconded by Director Dickson, to recommend that the Board acknowledge receipt of the Budget Report for January, 2016. The motion passed 6 in favor, no opposed, with Director Duncan absent.

Chair Melleby suggested that entire agenda of the Finance and Budget Workshop be included in the agenda of the following regular Board meeting in the future. The Board members present agreed that this should be implemented.

- F. Review of USGS Proposal: General Manager Davis reviewed the proposal from the USGS for the period between February 1, 2016 through November 30, 2017. The proposed scope of work was discussed at the Board Engineering workshop on February 8, 2016. The purpose of this item is to review the cost of the proposal. General Manager Davis explained that the cost would be spread over 3 different fiscal years of the Agency, and that staff could only estimate how and when the invoices would be presented from the USGS. General Manager Davis asked for approval to sign the agreement, and for approval to include the cost of the agreement in the upcoming budget for FY 2016-17. After further review and discussion, a motion was made by Director Dickson, seconded by Director Stephenson, to recommend that that Board authorized the General Manager to sign the contract, and include the appropriate amounts in the budget for FY 2016-17. The motion passed 6 in favor, no opposed, with Director Duncan absent.
5. **Announcements:** Chair Melleby reviewed the following announcements:
- A. The meetings for the San Gorgonio Pass Regional Water Alliance have changed: The Technical Committee will not meet; the regular Board meeting will take place at 5:00 p.m., February 24, 2016, in the Banning City Council Chambers.
 - B. Regular Board Meeting, March 7, 2016 at 7:00 p.m.
 - B. Engineering Workshop, March 14, 2016 at 4:00 p.m.
6. **Adjournment:** The Finance and Budget workshop of the San Gorgonio Pass Water Agency Board of Directors was adjourned at 4:32 p.m.

Draft - Not Approved

Jeffrey W. Davis, Secretary of the Board

Finance and Budget Workshop Report

From Treasurer Mary Ann Melleby, Chair of the Finance and Budget Committee

The Finance and Budget Workshop was held on February 22, 2016. The following recommendations were made:

1. The Board ratify payment of Invoices of \$997,801.95 and Payroll of \$30,984.21 as detailed in the Check History Report for Accounts Payable and the Check History Report for Payroll for January, 2016 for a combined total of \$1,028,786.07.
2. The Board authorize payment of the following vendor's amounts:

Best, Best & Krieger LLP	\$8,333.44
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3. The Board acknowledge receipt of the following:
 - A. Wells Fargo bank reconciliation for January, 2016
 - B. Budget Report for January, 2016

San Geronio Pass Water Agency
Check History Report
January 1 through January 31, 2016

ACCOUNTS PAYABLE

<u>Date</u>	<u>Number</u>	<u>Name</u>	<u>Amount</u>
01/04/2016	117780	BEAUMONT-CHERRY VALLEY WATER DISTRICT	409.42
01/04/2016	117781	BDL ALARMS, INC.	156.00
01/04/2016	117782	BEST BEST & KRIEGER	6,714.56
01/04/2016	117783	SOUTHERN CALIFORNIA EDISON	116.85
01/04/2016	117784	UNDERGROUND SERVICE ALERT	7.50
01/04/2016	117785	UNLIMITED SERVICES BUILDING MAINT.	295.00
01/04/2016	117786	U. S. GEOLOGICAL SURVEY	72,948.47
01/04/2016	117787	VALLEY OFFICE EQUIPMENT, INC.	230.56
01/04/2016	117788	WASTE MANAGEMENT INLAND EMPIRE	94.37
01/11/2016	117789	ACWA BENEFITS	712.26
01/11/2016	117790	GOPHER PATROL	48.00
01/11/2016	117791	KENNEDY JENKS CONSULTANTS	5,894.20
01/11/2016	117792	ROY McDONALD	1,000.00
01/13/2016	117793	SEE PAYROLL CATEGORY, JOHN R. JETER	
01/14/2016	117794	CALPERS RETIREMENT	5,401.63
01/14/2016	117795	FRANCHISE TAX BOARD	196.91
01/19/2016	117796	INCONTACT, INC.	115.73
01/19/2016	117797	LEXIS NEXIS	263.63
01/19/2016	117798	SOUTHERN CALIFORNIA GAS	176.77
01/19/2016	117799	THOMAS W. TODD, JR.	502.45
01/19/2016	117800	VERIZON	1,121.86
01/19/2016	117801	WELLS FARGO REMITTANCE CENTER	5,287.89
01/25/2016	117802	AT&T MOBILITY	217.39
01/25/2016	117803	BRIERLEY ASSOCIATES	3,113.55
01/25/2016	117804	MATTHEW PISTILLI LANDSCAPE SERVICES	325.00
01/29/2016	117805	CALPERS RETIREMENT	5,298.26
01/29/2016	117806	STANDARD INSURANCE COMPANY	397.18
01/14/2016	518566	ELECTRONIC FEDERAL TAX PAYMENT SYSTEM	6,560.20
01/14/2016	522145	EMPLOYMENT DEVELOPMENT DEPARTMENT	1,009.31
01/29/2016	522238	EMPLOYMENT DEVELOPMENT DEPARTMENT	1,010.18
01/29/2016	563894	ELECTRONIC FEDERAL TAX PAYMENT SYSTEM	6,939.82
01/29/2016	900115	DEPARTMENT OF WATER RESOURCES	871,237.00
		TOTAL ACCOUNTS PAYABLE CHECKS	997,801.95

**San Geronio Pass Water Agency
Check History Report
January 1 through January 31, 2016**

PAYROLL

CHECKS			
Date	Number	Name	Amount
01/13/2016	117793	JOHN R. JETER	724.41
TOTAL PAYROLL CHECKS			724.41
DIRECT DEPOSIT			
Date	Number	Name	Amount
01/13/2016	801150	JEFFREY W. DAVIS	4,316.25
01/13/2016	801151	WILLIAM E. DICKSON	942.50
01/13/2016	801152	KENNETH M. FALLS	2,764.13
01/13/2016	801153	CHERYLE M. RASMUSSEN	2,054.32
01/13/2016	801154	THOMAS W. TODD, JR.	3,113.40
01/28/2016	801155	BLAIR M. BALL	1,003.88
01/28/2016	801156	JEFFREY W. DAVIS	4,316.25
01/28/2016	801157	RONALD A. DUNCAN	1,139.41
01/28/2016	801158	KENNETH M. FALLS	2,473.62
01/28/2016	801159	DAVID L. FENN	689.41
01/28/2016	801160	MARY ANN HARVEY-MELLEBY	1,139.41
01/28/2016	801161	CHERYLE M. RASMUSSEN	2,054.32
01/28/2016	801162	LEONARD C. STEPHENSON	1,139.41
01/28/2016	801163	THOMAS W. TODD, JR.	3,113.40
TOTAL PAYROLL DIRECT DEPOSIT			30,259.71
TOTAL PAYROLL			30,984.12
TOTAL DISBURSEMENTS FOR JANUARY, 2016			1,028,786.07

SAN GORGONIO PASS WATER AGENCY
New Vendors List
February, 2016

Vendor - Name and Address	Expenditure Type
Scott Kinney 3710 Donald Ave.; Riverside, CA 92503	Office Maintenance

SAN GORGONIO PASS WATER AGENCY

**LEGAL INVOICES
ACCOUNTS PAYABLE INVOICE LISTING**

<u>VENDOR</u>	<u>INVOICE NBR</u>	<u>COMMENT</u>	<u>AMOUNT</u>
BEST, BEST & KRIEGER	160131	LEGAL SERVICES JAN16	8,333.44

TOTAL PENDING INVOICES FOR JANUARY 2016

8,333.44

**SAN GORGONIO PASS WATER AGENCY
BANK RECONCILIATION
January 31, 2016**

BALANCE PER BANK AT 01/31/2016 - CHECKING ACCOUNT	5,015,181.57
Pending Transfer to CalTrust	(4,750,000.00)
	265,181.57

LESS OUTSTANDING CHECKS

CHECK NUMBER	AMOUNT	CHECK NUMBER	AMOUNT
117517	200.00	117799	502.45
117644	67.85	117802	217.39
117792	1,000.00	117803	3,113.55
117797	263.63	117804	325.00
117798	176.77	117805	5,298.26
		117806	397.18
	1,708.25		9,853.83

TOTAL OUTSTANDING CHECKS	(11,562.08)
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BALANCE PER GENERAL LEDGER	253,619.49
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BALANCE PER GENERAL LEDGER AT 12/31/2015	233,132.83
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CASH RECEIPTS FOR JANUARY	5,799,395.48
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CASH DISBURSEMENTS FOR JANUARY	
ACCOUNTS PAYABLE - CHECK HISTORY REPORT	(997,801.95)
NET PAYROLL FOR JANUARY	(30,984.12)
	(1,028,786.07)

BANK CHARGES	(122.75)
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PENDING TRASFER TO CALTRUST	(4,750,000.00)
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BALANCE PER GENERAL LEDGER AT 01/31/2016	253,619.49
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REPORT PREPARED BY:

Cheryle Rasmussen

Cheryle Rasmussen

**SAN GORGONIO PASS WATER AGENCY
DEPOSIT RECAP
FOR THE MONTH OF JANUARY 2016**

<u>DATE</u>	<u>RECEIVED FROM</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>TOTAL DEPOSIT AMOUNT</u>
DEPOSIT TO CHECKING ACCOUNT				
1/5/16	STATE OF CALIF/DWR	TABLE A TRANSFER CREDIT	221,606.00	221,606.00
1/8/16	RIVERSIDE COUNTY	PROPERTY TAXES	202,635.07	202,635.07
1/8/16	RIVERSIDE COUNTY	PROPERTY TAXES	75,725.44	75,725.44
1/15/16	RIVERSIDE COUNTY	PROPERTY TAXES	58,178.37	58,178.37
1/15/16	RIVERSIDE COUNTY	PROPERTY TAXES	7,155.76	7,155.76
1/15/16	CITY OF BANNING	WATER SALES	18,703.00	18,703.00
1/22/16	BCVWD	WATER SALES	102,708.00	102,708.00
1/22/16	YVWD	WATER SALES	13,793.76	13,793.76
1/22/16	RIVERSIDE COUNTY	PROPERTY TAXES	61,252.41	61,252.41
1/22/16	RIVERSIDE COUNTY	PROPERTY TAXES	2,711,451.26	2,711,451.26
1/25/16	RIVERSIDE COUNTY	PROPERTY TAXES	2,291,027.09	2,291,027.09
1/26/16	TVI	CD - BOND INTEREST	9,482.32	9,482.32
1/29/16	CITY OF BANNING	WATER SALES	25,677.00	25,677.00
TOTAL FOR JANUARY 2016			5,799,395.48	5,799,395.48

**SAN GORGONIO PASS WATER AGENCY
FISCAL YEAR BUDGET 2015-16
BUDGET VS. REVISED BUDGET VS. ACTUAL
FOR THE SEVEN MONTHS ENDING ON JANUARY 31, 2016**

FOR THE FISCAL YEAR JULY 1, 2015 - JUNE 30, 2016

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	ADOPTED BUDGET	REVISIONS TO BUDGET	TOTAL REVISED BUDGET	ACTUAL YTD	REMAINING PERCENT OF BUDGET
GENERAL FUND - INCOME					
INCOME					
WATER SALES	1,400,000		1,400,000	711,859.84	49.15%
TAX REVENUE	2,000,000		2,000,000	1,255,954.00	37.20%
INTEREST	29,000		29,000	21,705.26	25.15%
CAPACITY FEE	0		0	0.00	0.00%
GRANTS	0		0	0.00	0.00%
OTHER (REIMBURSEMENTS, TRANSFERS)	110,000		110,000	28,041.94	74.51%
TOTAL GENERAL FUND INCOME	3,539,000	0	3,539,000	2,017,561.04	42.99%
GENERAL FUND - EXPENSES					
COMMODITY PURCHASE					
PURCHASED WATER	1,200,000		1,200,000	144,192.00	87.98%
TOTAL COMMODITY PURCHASE	1,200,000	0	1,200,000	144,192.00	87.98%
SALARIES AND EMPLOYEE BENEFITS					
SALARIES	420,000		420,000	242,250.00	42.32%
PAYROLL TAXES	36,000		36,000	19,590.33	45.58%
RETIREMENT	105,000		105,000	64,612.72	38.46%
OTHER POST-EMPLOYMENT BENEFITS (OPEB)	21,000		21,000	12,207.19	41.87%
HEALTH INSURANCE	48,000		48,000	27,614.75	42.47%
DENTAL INSURANCE	6,000		6,000	3,008.48	49.86%
LIFE INSURANCE	1,000		1,000	677.44	32.26%
DISABILITY INSURANCE	4,200		4,200	2,497.83	40.53%
WORKERS COMP INSURANCE	4,000		4,000	1,908.00	52.30%
SGPWA STAFF MISC. MEDICAL	9,000		9,000	4,714.22	47.62%
EMPLOYEE EDUCATION	2,000		2,000	0.00	100.00%
TOTAL SALARIES AND EMPLOYEE BENEFITS	656,200	0	656,200	379,080.96	42.23%

SAN GORGONIO PASS WATER AGENCY
FISCAL YEAR BUDGET 2015-16
BUDGET VS. REVISED BUDGET VS. ACTUAL
FOR THE SEVEN MONTHS ENDING ON JANUARY 31, 2016

FOR THE FISCAL YEAR JULY 1, 2015 - JUNE 30, 2016

	ADOPTED BUDGET	REVISIONS TO BUDGET	TOTAL REVISED BUDGET	ACTUAL YTD	REMAINING PERCENT OF BUDGET
GENERAL FUND - EXPENSES					
ADMINISTRATIVE & PROFESSIONAL					
DIRECTOR EXPENDITURES					
DIRECTORS FEES	104,000		104,000	58,828.88	43.43%
DIRECTORS TRAVEL & EDUCATION	20,000		20,000	8,082.13	59.59%
DIRECTORS MISC. MEDICAL	31,000		31,000	9,692.04	68.74%
OFFICE EXPENDITURES					
OFFICE EXPENSE	15,000		15,000	12,061.81	19.59%
POSTAGE	1,200		1,200	802.74	33.11%
TELEPHONE	9,000		9,000	5,533.75	38.51%
UTILITIES	4,500		4,500	2,300.51	48.88%
SERVICE EXPENDITURES					
COMPUTER, WEB SITE AND PHONE SUPPORT	16,000		16,000	11,132.38	30.42%
GENERAL MANAGER & STAFF TRAVEL	17,000		17,000	11,007.41	35.25%
INSURANCE & BONDS	23,000		23,000	19,265.00	16.24%
ACCOUNTING & AUDITING	21,000		21,000	18,000.00	14.29%
STATE WATER CONTRACT AUDIT	5,000		5,000	4,866.00	2.68%
DUES & ASSESSMENTS	33,000		33,000	27,570.67	16.45%
SPONSORSHIPS	10,000		10,000	1,000.00	90.00%
OUTSIDE PROFESSIONAL SERVICES	3,000		3,000	0.00	100.00%
BANK CHARGES	1,200		1,200	875.98	27.00%
MISCELLANEOUS EXPENSES	1,000		1,000	0.00	100.00%
MAINTENANCE & EQUIPMENT EXPENDITURES					
TOOLS PURCHASE & MAINTENANCE	3,000		3,000	3,109.56	-3.65%
VEHICLE REPAIR & MAINTENANCE	8,000		8,000	5,322.03	33.47%
MAINTENANCE & REPAIRS - BUILDING	12,000		12,000	5,642.31	52.98%
MAINTENANCE & REPAIRS - FIELD	6,500		6,500	3,264.02	49.78%
CONTRACT OPERATIONS AND MAINTENANCE	90,000		90,000	0.00	100.00%
COUNTY EXPENDITURES					
LAFCO COST SHARE	4,500		4,500	4,694.59	-4.32%
ELECTION EXPENSE	0		0	0.00	0.00%
TAX COLLECTION CHARGES	8,000		8,000	6,597.45	17.53%
TOTAL ADMINISTRATIVE & PROFESSIONAL	446,900	0	446,900	219,649.26	50.85%

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**SAN GORGONIO PASS WATER AGENCY
FISCAL YEAR BUDGET 2015-16
BUDGET VS. REVISED BUDGET VS. ACTUAL
FOR THE SEVEN MONTHS ENDING ON JANUARY 31, 2016**

FOR THE FISCAL YEAR JULY 1, 2015 - JUNE 30, 2016

	ADOPTED BUDGET	REVISIONS TO BUDGET	TOTAL REVISED BUDGET	ACTUAL YTD	REMAINING PERCENT OF BUDGET
GENERAL FUND - EXPENSES					
GENERAL ENGINEERING					
RECHARGE					
B.A.R.F. DESIGN + CONSTRUCTION: REPORTED IN CAPITAL EXPENDITURES					
B.A.R.F. ENVIRONMENTAL MITIGATION	65,000		65,000	0.00	100.00%
FERC/FLUME					
ALTERNATIVE WATER SUPPLY BANNING/BHMWC	0		0	0.00	0.00%
NOTICE OF PREPARATION + EIR	50,000		50,000	5,047.97	89.90%
WHITewater FLUME TUNNEL	90,000		90,000	56,418.57	37.31%
ENVIRONMENTAL JUSTICE	27,000		27,000	0.00	100.00%
BALANCE HYDROLOGICS		10,802	10,802	10,799.30	0.03%
STUDIES					
USGS - Agreement #96710	125,000		125,000	90,870.66	27.30%
WATER RATE NEXUS STUDY	45,000		45,000	0.00	100.00%
WATER RATE FINANCIAL MODELING	20,000		20,000	0.00	100.00%
CAPACITY FEE NEXUS STUDY UPDATE	0		0	15,026.48	0.00%
SUPPORT - CAPACITY FEE & AGREEMENTS	0		0	999.50	0.00%
EMERGING CONTAMINANTS TASK FORCE	0		0	0.00	0.00%
UPDATED UWMP	50,000		50,000	24,350.30	51.30%
OTHER PROJECTS					
BASIN MONITORING TASK FORCE	15,000		15,000	13,924.00	7.17%
MODELING 15.5 ANALYSIS	25,000		25,000	0.00	100.00%
GENERAL AGENCY - CEQA AND GIS SERVICES	15,000		15,000	7,426.81	50.49%
TOTAL GENERAL ENGINEERING	527,000	10,802	537,802	224,863.59	58.19%

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SAN GORGONIO PASS WATER AGENCY
FISCAL YEAR BUDGET 2015-16
BUDGET VS. REVISED BUDGET VS. ACTUAL
FOR THE SEVEN MONTHS ENDING ON JANUARY 31, 2016

	FOR THE FISCAL YEAR JULY 1, 2015 - JUNE 30, 2016				REMAINING PERCENT OF BUDGET
	ADOPTED BUDGET	REVISIONS TO BUDGET	TOTAL REVISED BUDGET	ACTUAL YTD	
GENERAL FUND - EXPENSES					
LEGAL SERVICES					
LEGAL SERVICES - GENERAL	175,000		175,000	74,173.72	57.62%
TOTAL LEGAL SERVICES	175,000	0	175,000	74,173.72	57.62%
CONSERVATION & EDUCATION					
SCHOOL EDUCATION PROGRAMS	14,000		14,000	0.00	100.00%
ADULT EDUCATION PROGRAMS	5,000		5,000	1,000.00	80.00%
OTHER CONSERVATION, EDUCATION AND P. R.	10,000		10,000	2,984.36	70.16%
TOTAL CONSERVATION & EDUCATION	29,000	0	29,000	3,984.36	86.26%
GENERAL FUND CAPITAL EXPENDITURES					
BUILDING	15,000		15,000	0.00	100.00%
FURNITURE & OFFICE EQUIPMENT	5,000		5,000	0.00	100.00%
OTHER EQUIPMENT	0		0	0.00	0.00%
TRANSPORTATION EQUIPMENT	48,000		48,000	44,947.00	6.36%
B.A.R.F. CONSTRUCTION	4,635,000		4,635,000	45,253.41	99.02%
TOTAL GENERAL FUND CAPITAL EXPENDITURES	4,703,000	0	4,703,000	90,200.41	98.08%
TRANSFERS TO OTHER FUNDS	0	0	0	0.00	
TOTAL GENERAL FUND EXPENSES	7,737,100	10,802	7,747,902	1,136,144.30	85.34%
TRANSFERS FROM RESERVES	4,700,000		4,700,000		
TOTAL TRANSFERS FROM RESERVES	4,700,000	0	4,700,000	0	
GENERAL FUND NET INCOME YEAR TO DATE	501,900	-10,802	491,098	881,416.74	

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**SAN GORGONIO PASS WATER AGENCY
FISCAL YEAR BUDGET 2015-16
BUDGET VS. REVISED BUDGET VS. ACTUAL
FOR THE SEVEN MONTHS ENDING ON JANUARY 31, 2016**

FOR THE FISCAL YEAR JULY 1, 2015 - JUNE 30, 2016

	ADOPTED BUDGET	REVISIONS TO BUDGET	TOTAL REVISED BUDGET	ACTUAL YTD	REMAINING PERCENT OF BUDGET
DEBT SERVICE FUND - INCOME					
INCOME					
TAX REVENUE	18,300,000		18,300,000	10,186,949.11	44.33%
INTEREST	73,000		73,000	66,436.06	8.99%
GRANTS	0		0	0.00	0.00%
DWR CREDITS - BOND COVER, OTHER	2,900,000		2,900,000	1,252,948.00	56.79%
TOTAL DEBT SERVICE FUND INCOME	21,273,000	0	21,273,000	11,506,333.17	45.91%
DEBT SERVICE FUND - EXPENSES					
EXPENSES					
SALARIES	50,000		50,000	29,458.00	41.08%
PAYROLL TAXES	4,000		4,000	2,253.54	43.66%
BENEFITS	25,000		25,000	15,883.96	36.46%
SWC CONTRACTOR DUES	44,000		44,000	41,390.00	5.93%
STATE WATER CONTRACT PAYMENTS	20,700,000		20,700,000	14,399,559.00	30.44%
PURCHASED WATER	0		0	2,042.00	0.00%
STATE WATER PROJECT LEGAL SERVICES	0		0	0.00	0.00%
USGS - <i>Agreement #23100</i>	60,000		60,000	8,418.84	85.97%
CONTRACT OPERATIONS AND MAINTENANCE	100,000		100,000	6,148.82	93.85%
SWP ENGINEERING	40,000		40,000	0.00	100.00%
DEBT SERVICE UTILITIES	9,200		9,200	5,162.42	43.89%
TAX COLLECTION CHARGES	44,000		44,000	37,385.52	15.03%
TOTAL DEBT SERVICE FUND EXPENSES	21,076,200	0	21,076,200	14,547,702.10	30.98%
TRANSFERS FROM RESERVES			0	0.00	
DEBT SERVICE NET INCOME YEAR TO DATE	196,800	0	196,800	-3,041,368.93	

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NOTICE TO STATE WATER PROJECT CONTRACTORS**Date:** FEB 24 2016**Number:** 16 - 04**Subject:** 2016 State Water Project Allocation – 30 Percent

From: 
Mark E. Andersen
Acting Deputy Director
Department of Water Resources

The Department of Water Resources (DWR) is increasing the allocation of 2016 State Water Project (SWP) water for the long-term contractors from 631,115 acre-feet to 1,268,724 acre-feet. Due primarily to recent storms, SWP supplies are projected to increase from 15 percent to 30 percent of most SWP contractors' requests for Table A water, which totals 4,172,786 acre-feet. Attached is the updated 2016 SWP Allocation Table.

In addition, DWR received requests for delivery of SWP contractors' allocated carryover water from previous years totaling 184,274 acre-feet based on the 2015 Water Delivery Finalization Report. DWR approves all requested carryover water for delivery in 2016.

This allocation increase is made consistent with the current and projected hydrological conditions and also with the long-term water supply contracts and public policy. DWR considered several factors, including California's persistent drought evidenced by below normal runoff compared to rain received thus far this winter and resulting continued low storage in SWP conservation facilities; SWP operational constraints under its water right permits; the Biological Opinions for Delta Smelt and Salmon; the Longfin Smelt incidental take permit; and the 2016 contractors demands.

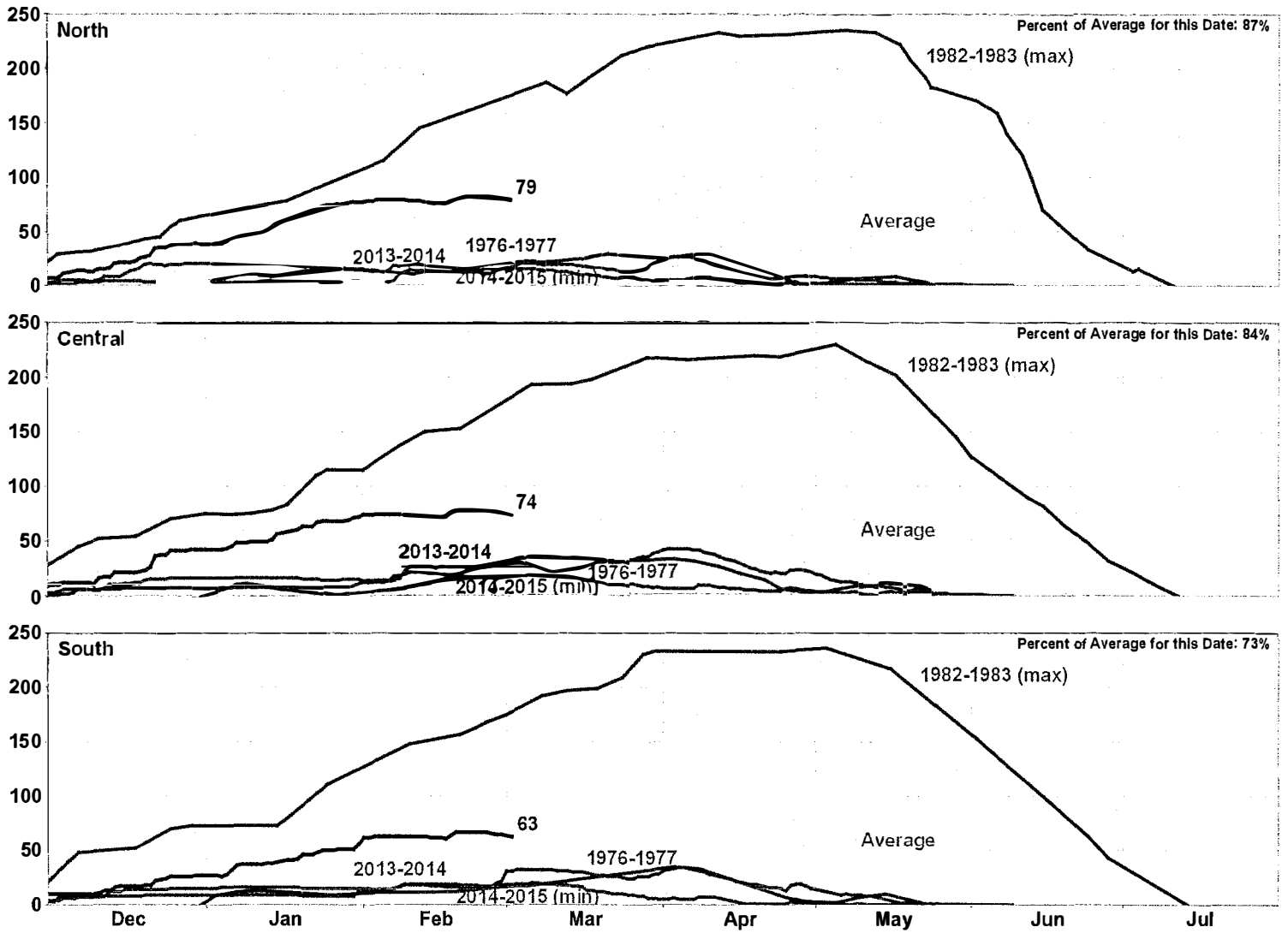
If you have any questions or need additional information, please contact Pedro Villalobos, Acting Chief, State Water Project Analysis Office, at (916) 653-5117.

Attachment

2016 STATE WATER PROJECT ALLOCATION
(ACRE-FEET)

SWP CONTRACTORS	TABLE A (1)	INITIAL REQUEST (2)	APPROVED ALLOCATION (3)	PERCENT INITIAL REQUEST APPROVED (3)/(2) (4)
FEATHER RIVER				
County of Butte	27,500	27,500	16,500	60%
Plumas County FC&WCD	2,700	2,700	810	30%
City of Yuba City	9,600	9,600	3,840	40%
Subtotal	39,800	39,800	21,150	
NORTH BAY				
Napa County FC&WCD	29,025	29,025	11,610	40%
Solano County WA	47,756	47,756	19,102	40%
Subtotal	76,781	76,781	30,712	
SOUTH BAY				
Alameda County FC&WCD, Zone 7	80,619	80,619	24,186	30%
Alameda County WD	42,000	42,000	12,600	30%
Santa Clara Valley WD	100,000	100,000	30,000	30%
Subtotal	222,619	222,619	66,786	
SAN JOAQUIN VALLEY				
Oak Flat WD	5,700	5,700	1,710	30%
County of Kings	9,305	9,305	2,792	30%
Dudley Ridge WD	45,350	45,350	13,605	30%
Empire West Side ID	3,000	3,000	900	30%
Kern County WA	982,730	982,730	294,819	30%
Tulare Lake Basin WSD	87,471	87,471	26,241	30%
Subtotal	1,133,556	1,133,556	340,067	
CENTRAL COASTAL				
San Luis Obispo County FC&WCD	25,000	25,000	7,500	30%
Santa Barbara County FC&WCD	45,486	45,486	13,646	30%
Subtotal	70,486	70,486	21,146	
SOUTHERN CALIFORNIA				
Antelope Valley-East Kern WA	144,844	144,844	43,453	30%
Castaic Lake WA	95,200	95,200	28,560	30%
Coachella Valley WD	138,350	138,350	41,505	30%
Crestline-Lake Arrowhead WA	5,800	5,800	1,740	30%
Desert WA	55,750	55,750	16,725	30%
Littlerock Creek ID	2,300	2,300	690	30%
Metropolitan WDSC	1,911,500	1,911,500	573,450	30%
Mojave WA	85,800	85,800	25,740	30%
Palmdale WD	21,300	21,300	6,390	30%
San Bernardino Valley MWD	102,600	102,600	30,780	30%
San Gabriel Valley MWD	28,800	28,800	8,640	30%
San Geronio Pass WA	17,300	17,300	5,190	30%
Ventura County WPD	20,000	20,000	6,000	30%
Subtotal	2,629,544	2,629,544	788,863	
TOTAL	4,172,786	4,172,786	1,268,724	

California Snow Water Content, March 2, 2016, Percent of April 1 Average



Percent of Average for this Date: 87%

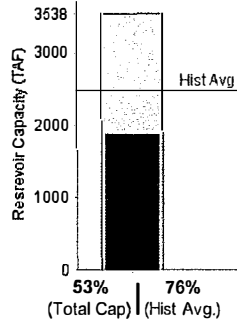
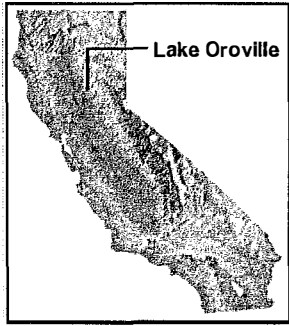
Percent of Average for this Date: 84%

Percent of Average for this Date: 73%

Statewide Percent of April 1: 73%

Statewide Percent of Average for Date: 82%

LAKE OROVILLE - STORAGE CONDITIONS AS OF MARCH 02, 2016



- Data as of Midnight: March 02, 2016
- Current Storage: 1,881,300 AF
 - 53% of Total Capacity
 - 76% of Historical Avg. For This Date
 - (Total Capacity: 3,537,577 AF)
 - (Avg. Storage for Mar 02: 2,480,621 AF)

Change Date:

[Refresh Data](#)

Major Reservoir Current Conditions Graphs

[Printable Version of Current Data](#)

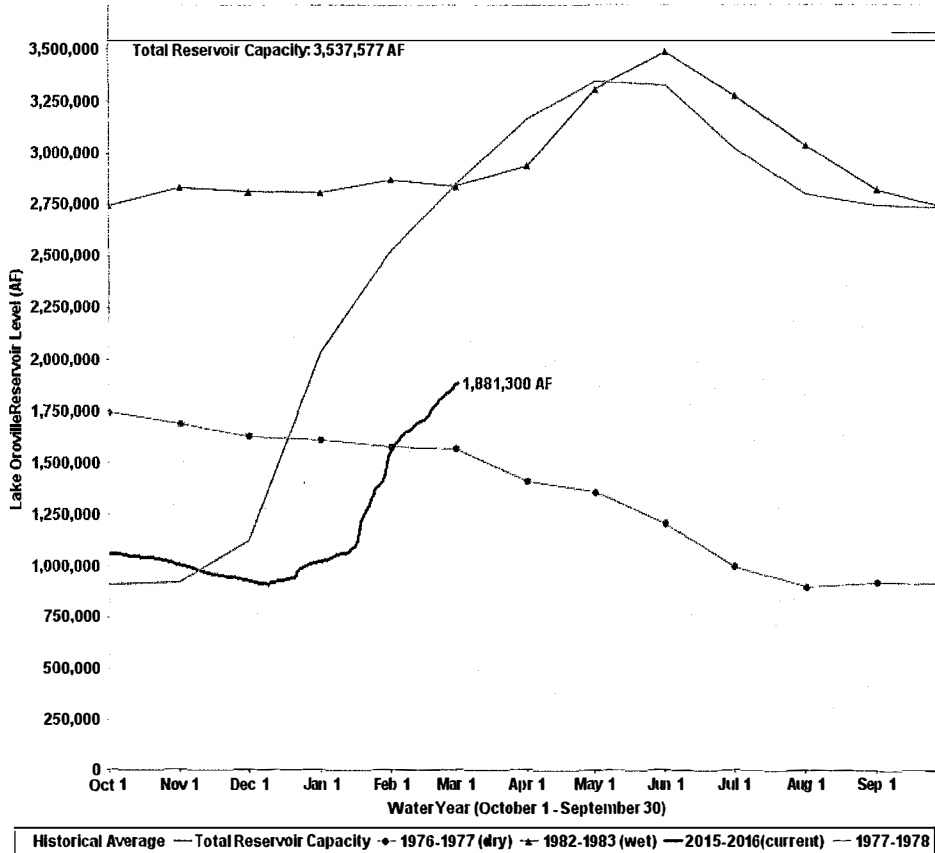
Lake Oroville Storage Level Graph: Choose water years to plot:

- 1976-1977 (dry)
- 1977-1978
- 1982-1983 (wet)
- 1988-1989
- 1989-1990

[Draw chart](#)
(chart legend appears at bottom)

(ctrl+click for multiple selections)

Lake Oroville Storage Levels



MEMORANDUM

TO: Board of Directors

FROM: General Manager

RE: Participation in Yucaipa Basin Studies

DATE: March 7, 2016

Summary:

At the February Engineering workshop, the Board discussed possible participation in the next phase of the Yucaipa Basin studies. The purpose of this proposed Board action is to determine if the Board wishes to financially contribute to these studies, which will help identify locations and infiltration rates of potential recharge sites in Calimesa.

Background:

Some time ago, the South Mesa Water Company approached the Agency and the San Bernardino Valley Municipal Water District (Valley District) about constructing a small filtration plant and purchasing water from the two wholesalers for treatment and distribution in its service area in Yucaipa and Calimesa. In response, the Valley District volunteered to lead an effort to determine if groundwater basins in the Yucaipa and Calimesa area could store groundwater in large quantities. This would resolve South Mesa's original issue of high power costs to pump its groundwater from lower groundwater basins.

Since that time, several phases of these studies have been funded by multiple water agencies, including the Valley District, the Agency, South Mesa, Yucaipa Valley Water District, and others. These studies have shown that there is a considerable amount of storage available, and that safe yields of the fractured basins are relatively high. Thus, there are opportunities available to store imported water in the various basins underlying Yucaipa and Calimesa.

Detailed Report:

At the Engineering workshop, staff summarized the studies to date. There are a total of seven basins. One of these, the Calimesa Basin, is virtually all in Riverside County, and could serve as a storage basin for either South Mesa or Yucaipa Valley. The total storage capacity in all basins is over 300,000 AF, with the Calimesa sub-basin alone having a capacity of over 100,000 AF. The total estimated safe yield is over 9000 AF, greater than the safe yield of the Beaumont Basin.

As discussed at the Engineering workshop, the next phase is to develop a field recharge test work plan for locations within the Yucaipa basins area. Eight specific sites will be studied, including four within the Calimesa sub-basin. The total cost of this work, to be performed by Todd Groundwater, is \$36,909. The Agency's portion would be 8%, or \$2,953.

The work could benefit two retail water agencies within the Agency's service area. Another possibility is that at some point in the future the Agency could utilize the Calimesa sub-basin as an additional storage location for imported water.

Fiscal Impact:

The funds are not budgeted for this fiscal year, but this represents a small amount of money. The Agency's General Fund could easily cover the approximately \$3000. As staff has pointed out over the past several Finance and Budget workshops, a number of studies that were budgeted for this year will not be done, thus freeing up these funds. There would be no impact on the Agency's General Fund budget by participating in this phase of the studies.

Relationship to Strategic Plan:

Participation in these studies shows the Agency's regional leadership on groundwater issues and allows it to partner with retail water agencies on studies that will benefit individual purveyors and the region. Both of these are consistent with the strategic plan.

Recommendation:

Staff recommends that the Board authorize the General Manager to fund 8% of the costs of the next phase of the Yucaipa Basin studies, for a total of \$2953.

MEMORANDUM

TO: Board of Directors

FROM: General Manager

RE: Adoption of Proposed USGS Work Plan February 2016
Through November 2017

DATE: March 7, 2016

Summary:

At the February Engineering and Finance and Budget workshops, the Board discussed the proposed USGS work plan for the next year and a half or so. The purpose of this proposed Board action is to formally accept the work plan and to authorize the General Manager to sign a cooperative agreement with the USGS.

Background:

The United States Geological Survey has been working with the Agency to study and monitor local groundwater basins for nearly two decades. This partnership has resulted in numerous published studies and models, as well as a monitoring program for the local groundwater basins. The USGS provides some matching funds to the Agency for this cooperative effort; thus, the partnership is cost-effective for the Agency.

Detailed Report:

The proposed work in the work plan under consideration is strictly monitoring of groundwater wells and the measurement of flows in Burnt Canyon. This represents a continuation of work already underway by the USGS. This proposed work plan does not include any modeling or drilling of monitoring wells, although this has been included in USGS work plans in the past.

The details of the proposed work plan were discussed at the Engineering workshop, and the financial aspects were discussed at the Finance and Budget workshop. No objections were raised by the Board regarding the proposed scope of work or proposed budget during these workshops.

Fiscal Impact:

The total cost to the Agency of this work will be \$199,220. Most of the work performed under this agreement will be funded during Fiscal Years 2016-2017 and 2017-2018. At the Finance and Budget workshop, the Board agreed to include the proposed costs in the budget for Fiscal Year 2016. There will be no appreciable impact on this year's General Fund budget. The funds budgeted and not expended for the USGS for this year should cover the costs from this agreement through June. Overall, there should be no appreciable impact on this year's General Fund budget of approving this proposed action.

Relationship to Strategic Plan:

Partnering with the USGS to monitor local groundwater basins shows the Agency's regional leadership on groundwater issues, which is consistent with the Agency's strategic plan.

Recommendation:

Staff recommends that the Board authorize the General Manager to sign the proposed cooperative agreement with the USGS.



IN REPLY REFER TO:

United States Department of the Interior

U. S. GEOLOGICAL SURVEY

California Water Science Center

6000 J Street, Placer Hall

California State University

Sacramento, California 95819-6129

Phone: (916) 278-3026 Fax: (916) 278-3045

<http://water.wr.usgs.gov>

Draft

Mr. Jeff Davis
General Manager and Chief Engineer
San Geronio Pass Water Agency
1210 Beaumont Avenue
Beaumont, California 92223

Dear Mr. Davis:

This letter confirms discussions between our respective staffs, concerning the cooperative program between the San Geronio Pass Water Agency (SGPWA) and the U.S. Geological Survey (USGS) during the period February 1, 2016 to November 30, 2017. The work proposed under the enclosed Joint Funding Agreement (JFA) is a continuation of the cooperative basin-wide monitoring network and study to identify, characterize and evaluate potential artificial-recharge sites for conjunctive use in the San Geronio Pass area. The program consists of two main tasks: (1) basin-wide monitoring, (2) Burnt Canyon flow analysis. A detailed description of progress on these tasks is included as an attachment to this letter.

The total cost of the proposed cooperative water-resources program is \$252,095.00. Of this total, SGPWA will contribute \$199,220.00 and, subject to the availability of Federal Matching Funds (FMF), the USGS will contribute \$52,875.00. The proposed period for this program is February 1, 2016 to November 30, 2017. On the following page you will find a summary of costs.

Table 1. FFY16 Budget

Program element	USGS	SGPWA	Total
Task 1: Basin-Wide Monitoring			
A. Water-Level Monitoring	\$14,110	\$41,290	\$55,400
B. Water-Quality Monitoring	\$9,200	\$42,050	\$51,250
C. Recharge Monitoring	\$0	\$0	\$0
subtotal	\$23,310	\$83,340	\$106,650
Task 2: Burnt Canyon Flow Analysis	\$4,550	\$16,270	\$20,820
Total FFY16	\$27,860	\$99,610	\$127,470

Table 2. FFY17 Budget

These costs are for planning purposes only and are estimated. Each year an updated cost will be provided for the final agreement. Detailed description of location and cost of new monitoring sites will be based on discussions between USGS and SGPWA staff.

Federal Fiscal Year	USGS	SGPWA	Total
FFY17 Monitoring			
Task 1: Basin – Wide Monitoring			
A. Water-Level Monitoring	\$11,015	\$40,840	\$51,855
B. Water-Quality Monitoring	\$9,500	\$42,500	\$52,000
C. Recharge Monitoring	\$0	\$0	\$0
Subtotal	\$20,515	\$83,340	\$103,855
Task 2: Burnt Canyon Flow Analysis	\$4,500	\$16,270	\$20,770
Total FFY17	\$25,015	\$99,610	\$124,625

Enclosed are two copies of Joint Funding Agreement (JFA) 16XXX for your approval. Work performed with funds from this agreement will be conducted on a fixed-price basis. If the JFA is acceptable, please return one of the signed copies with original signatures to our office for further processing. The other is for your files.

If you have any questions concerning the program described above, please contact Allen Christensen at (619) 225-6175 or Matthew Landon at (619) 225-6109, in or San Diego Office. If you have any administrative questions, please contact Nancy Mora at (619) 225-6428.

Sincerely,

Eric Reichard
 Director
 USGS California Water Science Center

San Gorgonio Pass Water Agency Cooperative Program: Progress, Plans, and Costs

Task 1A – Groundwater-Level Monitoring

Progress

A basin-wide groundwater-level monitoring network was established in the San Gorgonio Pass area in Federal Fiscal Year 1997 (FFY97) to evaluate existing hydrologic conditions and to monitor the effects of pumping and artificial recharge on the groundwater system. A key component of the network is collecting data from the multiple-well monitoring sites, which provide information on water-level changes and vertical gradient in the different aquifers.

In FFY15, U.S. Geological Survey (USGS) personnel accompanied San Gorgonio Pass Water Agency (SGPWA) personnel in the spring and fall to measure water levels in 107 wells. Data collected as part of the water-level network are available through the USGS National Water Information System (NWIS) online database (table 2).

Water-Level Change

Water-level changes measured in the monitoring wells between fall 2013 and fall 2014 and spring 2014 and spring 2015 are shown on figures 1 and 2, respectively. Of the 82 wells with water-level change between fall 2013 and 2014, 19 wells recorded a water-level rise greater than 5 ft, 59 wells recorded little or no change (rise or decline less than 5 ft), and 4 wells recorded a water-level decline greater than 5 ft (fig. 1). Of the 86 wells with water-level change between spring 2014 and 2015, 23 wells recorded a water-level rise greater than 5 ft, 54 wells recorded little or no change (rise or decline less than 5 ft), and 9 wells recorded a water-level decline greater than 5 ft (fig. 2).

Multiple-Well Monitoring Sites

A total of 15 transducers recorded continuous water-level data at multiple-well monitoring sites 1, 3, 6, 8, 9, and 10 during FFY14 (fig. 1). These data were used to help determine vertical gradients in the aquifer system and document long-term water-level changes in the SGPWA service area. Sites 1 and 3 are discussed in the recharge monitoring task.

Site 6—Site 6 (002S001W35J001-4) is in the northeastern part of the Beaumont storage unit, and includes four 2-inch piezometers installed in the same borehole: 35J1 perforated between 860-900 ft bls; 35J2 perforated between 750-770 ft bls; 35J3 perforated between 610-630 ft bls; and 35J4 perforated between 240-260 ft bls (dry). Prior to late 2008 the water levels measured in the different piezometers at Site 6 (fig. 3) were similar; however, after late 2008 the depth to water in the piezometers increases with the depth of the perforated interval. This change is likely a response to pumping from the nearby BCVWD production well 25. BCVWD well 25 (shown on figure 1 in blue) is about 0.7 mile southwest of Site 6 and started regular groundwater production for municipal supply in October 2008. Water levels at the site have declined between 34 and 40 ft during the period February 2002 and November 2015. The rate of decline was greater than 5 ft per

San Gorgonio Pass Water Agency Cooperative Program: Progress, Plans, and Costs

year (ft/yr) prior to 2010. Since late 2010, all 3 wells have shown recovery of about 15ft between the seasonal highs measured during spring of 2010-2015. All wells at the site have continued to show overall year-to-year recovery since 2010, with the greatest recovery occurring between late 2012 and late 2015. The water levels at the site continued to recover about 2 ft between seasonal highs in 2014 and 2015. The recent recovery at this site may have resulted from changes in pumping patterns in the area, natural recharge from recent wet years, artificial recharge at the SGPWA and BCVWD recharge facilities, or a combination of these factors.

Site 8—Site 8 (003S002E07P001-4) is in the central part of the Cabazon storage unit, and includes four 2-inch piezometers installed in the same borehole: 7P1 perforated between 980-1,000 ft bls; 7P2 perforated between 790-810 ft bls; 7P3 perforated between 640-660 ft bls; and 7P4 perforated between 550-570 ft bls. The hydrographs for site 8 show variations in water levels with depth at the site (fig. 3). In general, the water-level altitude increases with depth at the site with an upward groundwater gradient between the lower and upper aquifer system. The deepest well (7P1) has the highest water level altitude, more than 25 ft higher than water-level altitude in the shallower wells. This large difference in water-level altitudes indicates that well 7P1 is perforated in a different aquifer than the other wells. Wells 7P2 and 7P3 also show greater daily variation than wells 7P1 and 7P4. This variation likely is a response to pumping by the nearby supply well used by the Cabazon County Water District, shown as a black dot (fig. 1) 0.3 miles east of Site 8. The water-level decline measured at the site between May 2007 and Nov 2015 was 29, 27, 27, and 27 ft at wells 7P1, 7P2, 7P3, 7P4, respectively. The rate of decline at these wells has risen from 2.8, reported in 2014 to 3.5ft/yr for well 7P1 and 3.3 ft/yr at well 7P1-3 during the period mid-2007 to late-2015. Since mid-2013, all wells show a general increase in the rate of decline during the period mid-2013 to late-2015 as compared with the period mid-2012 to early-2014.

Site 9—Site 9 (003S002E15P001-3) is in the eastern part of the Cabazon storage unit, and includes three 2-inch piezometers: 15P1 perforated between 373-383 ft bls; 15P2 perforated between 330-350 ft bls; and 15P3 perforated between 240-260 ft bls. Prior to early 2011, water-level altitude in well 15P1 is slightly higher than the water-level altitude in well 15P2, indicating an upward groundwater gradient conditions at the site. (fig. 4). The water-level decline measured at the site between May 2007 and April 2011 was 9.3 ft (about 2.4 ft/yr) at well 15P1 and 8.5 ft (about 2.2 ft/yr) at 15P2. In April-May, 2011 both wells show rapid increases in water-level altitude at the site. The transducer in well 15P1 recorded a 4.6 ft rise in water table between late-April and late-August, 2011. The transducer in well 15P2 recorded a 10.3 ft rise in water table between mid-May and mid-August, 2011. It is important to note that this water-level rise event occurred in the deeper well (15P1) first then approximately 1 month later started in the shallower well (15P2). This event also reverses the vertical gradients at the site. This recharge event was likely the result of recent natural recharge in the area. Since this event in 2011, both wells show nearly parallel water-level decline and continue to show a downward gradient between the two wells. Prior to May, 2011 manual water-level measurements collected from the shallow well (15P3) were dry. Manual measures in well 15P3 also captured this

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water-level rise event with a measured water level at 220.8 ft below land surface or about 115 ft above the water levels measured in wells 15P1 and 15P2. The USGS installed a transducer in well 15P3 in June 2014, and the well has been dry since November 2011. The overall decline at well 15P1 is approximately 21.4 ft and the overall rate of decline is 2.76 ft per year since 2007. The overall decline at well 15P2 is 11.2 ft and the overall rate of decline is 1.5 ft per year during the period mid-2007 and early-2015 when the well went dry.

Site 10—Site 10 (003S001E11F001-4) is in the western part of the Cabazon storage unit, and includes four 2-inch piezometers installed in the same borehole: 11F1 perforated between 1060 and 1040 ft bls; 11F2 perforated between 860 and 840 ft bls; 11F3 perforated between 660 and 680 ft bls; and 11F4 perforated between 600 and 580 ft bls. The water-level decline measured at the site between August 2009 and November 2011 was 8.8, 8.7, 8.9, and 9.25 ft at wells 11F1, 11F2, 11F3, and 11F4, respectively (fig. 4). In November 2011 water-level altitudes at the site began to increase. The water-level rise measured at the site between November 2011 and June 2013 was 5.5, 5.3, 5.1, and 5.2 ft at wells 11F1, 11F2, 11F3, and 11F4, respectively (fig. 4). Wells 11F3 and 11F4 have nearly identical depth to water and water-level change indicating these wells are in the same aquifer. Since mid-2013, when water levels at the site reached recent highs, water levels have declined between 17 and 21 ft at the site. Since mid-2013 the rate of decline at the site has increased as compared with the rate of decline measured during the period mid-2009 to 2012.

Plans

During FFY16, SGPWA personnel will collect water-level data from groundwater-level monitoring-network wells (fig. 2) on a semi-annual basis. The USGS will continue to canvass new wells, and verify well information for wells in the network. Water-level data will be collected at one-hour intervals at all sites equipped with pressure transducers (table 2); these sites will be downloaded on a quarterly basis by the USGS. The USGS will continue to enter water-level and well-site data collected by SGPWA and USGS personnel into the USGS database with appropriate quality-control checks, including accompanying SGPWA personnel during both spring and fall measurement periods. Water-level data are available through the USGS NWIS online database. As part of the calibration process completed in FFY14, it was noted that many of the transducers are near or have exceeded expected serviceable lifetime of the transducers. The factory expected serviceable lifetime of the transducers used at the continuous monitoring sites is between 7-10 years. The USGS will continue to monitor each transducer and recommend replacement as needed. Currently the SGPWA has 15 transducers deployed and the replacement cost is approximately \$1,100. The SGPWA should expect one or two transducer failures per year for the next 5-10 years until all transducers are replaced. The proposed number of wells in the FFY16 water-level network was reduced from 107 wells to 102 wells in FFY16 for reasons noted in table 2. Data collection at the transducer located at the San Gorgonio Recharge facility is included as part of this task.

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Total cost for the above work is \$55,400. Of this total, San Gorgonio will contribute \$41,290 and subject to the availability of Federal Matching Funds (FMF), the USGS will contribute \$14,110, as reflected in the summary funding table.

Total FFY 2016 cost for water-level monitoring **\$ 55,400**

Task 1B – Water-Quality Monitoring

Progress

In FFY16, 11 water-quality network wells were sampled. The samples were analyzed for major ions, nutrients, selected trace elements, stable isotopes of oxygen and hydrogen. Complete results for all samples collected as part of the water-quality monitoring network are available through the USGS NWIS online database. NWIS links to individual wells are provided in table 3. Note, wells denoted with “X*” on table 3, column 2016 are scheduled to be sampled in 2016 as part of FFY15 funding carried over from the previous cooperative agreement. These wells were not available for sampling during the summer of 2015.

Plans

The current water-quality monitoring network includes 38 wells (fig. 5 and table 3). About one third of the wells are sampled on a triennial basis. Water-quality samples will be collected and analyzed from 12 wells in FFY16. The samples will be analyzed for major ions, nutrients, selected trace elements, stable isotopes of oxygen and hydrogen. All data collected will be entered into the USGS database with appropriate quality control, and are available upon request.

Total cost for the above work is \$51,250. Of this total, San Gorgonio will contribute \$42,050 and subject to the availability of Federal Matching Funds (FMF), the USGS will contribute \$9,200, as reflected in the summary funding table.

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Total FFY 2016 cost for water-quality monitoring **\$ 51,250**

Task 1C – Recharge Monitoring

Progress

The SGPWA has been artificially recharging the groundwater basin using imported water from the California State Water Project (SWP) via recharge ponds along the Little San Gorgonio Creek in Cherry Valley since November 2002; however, full-scale recharge operations started in June 2003. To evaluate the effect of the artificial recharge on water levels and water quality in the underlying aquifer, data were collected from nine wells and suction-cup lysimeters at five locations including the SWP pipeline at the southern pond of the San Gorgonio Pass Recharge Facility (fig. 6 and table 4). The total deliveries of SWP water to the San Gorgonio Creek recharge ponds between November 2002 and November 2015 was 10,649 acre-ft (fig. 7).

Water-Level Data

Water-level data have been collected on a continuous basis using pressure transducers at wells 002S001W22P006 (Site 3), 002S001W27L001 (Site 1), and 002S001W35J001 (Site 6) (fig. 6). Water-level data collected from well 22P006, located above the perching layer beneath (240 ft bld) the San Gorgonio Recharge facility show water-level rises and declines corresponding to changes in deliveries of SWP to the recharge facility (fig 8). Since 1999, the highest water-level altitude of 2727 ft above sea level (asl) or about 185 ft below land surface datum (lsd) was measured in December 2008. Since 2008, the delivery rate increased with the greatest daily delivery rate increase occurring in mid-2008 and mid-2010. Since 2013, the rate of recharge has decreased due to limited availability of SWP because of ongoing drought conditions in California. This change in delivery rate also cause a corresponding decline in the perched water table of approximately 40 ft from December 2012 to November 2015, 30 ft of the noted decline occurred during the period January 2014 to November 2015. This rate of water-level decline is consistent with other periods of steep decline in early 2009 and mid-2011 indicating that the perched aquifer system continues to drain rapidly in response to reduced application of recharge water. As previously mention in past program letters, the generally flat long-term change in the water table beneath the recharge facility indicates that the maximum recharge rate has not yet been reached. Water-level altitude measured above the perched layer are near low levels measured in mid-2004 and just after recharge began in early 2004.

Water-Level Changes in the Regional Aquifer

Well 22P3 is adjacent to the recharge pond in Area 3 and perforated in the regional aquifer. From 1999, when the well was first installed, until late 2006 the water level at

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well 22P3 was declining at a rate of about 4.3 ft/yr (fig. 9). From late 2006 until May 2009, the water level rose about 35 ft (about 13.1 ft/yr) (fig. 9). Water-level data has not been collected at 22P3 (Site 3) since 2009 due to access problems. This water-level rise is likely the result of artificial recharge.

Water-level data collected at well 27L1 (Site 1) indicate about 77 ft of water-level decline between December 1989 and September 2008 (about 8.5 ft/yr). However, from September 2008 through early 2014, the water level at 27L1 has increased about 48 ft (about 8 ft/yr). In early 2014 the water-level measured at well 27L reached 15 year high of 2261 ft above sea-level. Water-level data collected at well 35J1, east of the recharge facilities, also shows a water-level rise of about 15 ft since late 2009. The increase in water level at these sites probably is the result of artificial recharge of SWP water at the SGPWA and BCVWD recharge facilities or reduced groundwater withdrawal in the area (Fig. 9). As of June 2014, the SGPWA recharge facility has received 10,649 acre-ft and BCVWD recharge facility has received 60,990 acre-ft of SWP water since 2002, for a total of about 71,639 acre-ft

Water-Quality Data

During FFY15, no water-quality samples were collected due to the lack of availability of recharge water and due the lower moisture content in the unsaturated zone beneath the recharge facility. Since FFY99, the USGS has collected a total of 189 water-quality samples at the recharge ponds. A total of 38 samples were collected from the SWP discharge into the recharge ponds and 151 samples were collected from the saturated and unsaturated zones beneath the recharge ponds. Sample volume permitting, samples were analyzed for major ions, nutrients, selected trace elements, and the stable isotopes of oxygen ($\delta^{18}\text{O}$) and hydrogen (δD). Data collected as part of the recharge monitoring network are available through the USGS NWIS online database, links to individual wells are provided in table 4.

Nitrate (nitrate plus nitrite) concentrations for all samples collected from suction-cup lysimeters and wells beneath the recharge ponds ranged from less than the laboratory reporting level of 0.04 to 9.0 milligram per liter (mg/L) as N (fig. 10). The U.S. Environmental MCL for nitrate reported as N is 10 mg/L. Nitrate concentrations in samples from the 32-ft lysimeter (002S001W22P011) were 9.0 mg/L as N in 2004 and 0.8 mg/L as N in 2014, reflecting the recharge of SWP water that contains low nitrate concentrations (0.2 to 1.0 mg/L as N). Similarly, nitrate concentrations in samples collected from the perched aquifer at the 235-ft lysimeter (002S001W22P007) were 4.6 mg/L as N in 2004 and 0.6 mg/L as N in 2014. Since late 2007, the nitrate concentration has not exceeded 1.5 mg/L as N for samples collected from the perched aquifer. Concentrations below 1 mg/L are similar to concentrations found in the SWP recharge water. Nitrate concentrations in samples from the regional aquifer beneath the recharge ponds (well 002S001W22P003) varied between 4-6 mg/L in samples collected in 2000-2006, prior to the arrival of the applied artificial-recharge water at the water table. Samples have not been collected at the well 002S001W22P003 since 2005, due to a damaged pump at the site.

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The stable isotopes of oxygen ($\delta^{18}\text{O}$) and hydrogen (δD) for samples collected from the SWP discharge at the recharge ponds and the suction-cup lysimeters or wells beneath the ponds are shown on figure 11 in relation to the meteoric water line. Samples were separated into four groups based on isotopic differences: (1) SWP water, (2) perched-aquifer samples from 1999 to 2005, (3) perched-aquifer samples from 2005 to 2014, and (4) samples from the regional aquifer. In general, the isotopic composition of the SWP water is lighter (more negative) and lies beneath the meteoric water line compared to local groundwater. Samples collected from the perched aquifer from 1999 to 2005 and the regional aquifer represent local groundwater and plot above the meteoric water line (fig. 11). Since 2005, samples collected from the perched aquifer plot below the meteoric water line and above the SWP water indicating that these samples contain a mix of SWP and local groundwater. Isotopic results from samples from the perched aquifer collected since 2008 show a distinct departure from samples collected from 2005 to 2007. Samples collected from 2008 to 2012 are isotopically lighter than the 2005 to 2007 samples indicating a higher percentage of SWP water in the samples. These results are confirmed by the low nitrate concentrations measured in samples collected from the lysimeters installed above the perching layer (fig. 10).

Plans

During FFY16, water-quality monitoring of the instruments install beneath the recharge facility will not be monitored. The decision to suspend water-quality monitoring was made based on communication between respective staffs of the SGPWA and the USGS due to the lack of availability of recharge water and the aforementioned drying of the unsaturated zone. As the moisture content in the unsaturated zone lowers (due to lack of recharge) the instruments installed in the unsaturated zone stop producing water need to make water-quality analyses.

Total FFY 2016 cost for recharge monitoring - \$ 0

Total FFY 2016 cost for task 1 - \$ 106,650

Task 2: Burnt Canyon Flow Analysis

Progress

In FFY07, the USGS completed a series of investigations to determine flow characteristics within the Burnt Canyon steam section between Raywood Flat and the lower Burnt Canyon weir (Figure 12). Based on data collected between August 2007 and November 2007 cumulative losses along the Burnt Canyon reach to the lower weir were approximately 11.3 million cubic feet or 80 acre feet. In FFY13, the USGS reconstructed and re-installed the temporary weir at the lower collection pond to compare flow between the turnout at upper Burnt Canyon and the collection pond at lower Burnt Canyon. The USGS also installed a new transducer at the lower weir site and factory-recalibrated the

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transducer used at the upper weir to collect stage at 15 minute intervals. The USGS completed detailed flow measurements; (1) in the flume south of the east fork diversion; (2) in the flume before the weir at the turnout into upper Burnt Canyon; (3) in the stream above the collection pond at lower Burnt Canyon. These flow measurements were used to calibrate and rate weirs installed at the turn out of upper Burnt Canyon and lower Burnt Canyon and to determine losses or gains between upper and lower Burnt Canyon. Data collected at the upper Burnt Canyon weir and the lower Burnt Canyon weir have been reviewed and uploaded to the USGS on-line data base. Discharge data derived from stage measurements are shown on figures 13a and 13b. The complete flow record is shown on both figures (fig13a and 13b), the scale of the discharge was reduced in figure 13b to show flow detail at lower rates. The maximum rated (calibrated) flow at Upper and Lower Burnt Canyon weirs is 6.09 cfs. Flows in excess of 6.09 cfs will over top the weir, flows greater than 6.09 cfs were filtered out of the data used to generate figures 13a and 13b. The complete data set is available upon request or by download using the USGS online database. Data in excess of 6.09 cfs are estimated from stage reported by the transducer and stream geometry these values should be considered poor. Comparing flows between the Upper Burnt and Lower Burnt Canyon shows continual losses between the upper and lower weirs, except for a few periods of storms as noted above. Generally, the loss is approximately 0.25-0.5 cfs. During the summer of 2015, flows from the upper weir were less than 0.5 cfs. At that rate and during summer conditions little or no flow was measured at the lower weir. Based on analysis of flows, losses are generally constant between October to January, then tend to increase during spring and summer months (April to September). This is expected as evapotranspiration rate increases in spring and summer in the canyon reach between the upper and lower weirs.

Plans

During FFY16, the USGS is proposing to continue to maintain the sites. In addition, the USGS will complete quarterly (access permitting) detailed flow measurements to insure accurate flow ratings. Site maintenance includes; quarterly data downloads (access permitting), site inspection, and complete leveling surveys between reference marks annually. Since the lower weir is subject to periodic removal during high flow events, the USGS will complete detailed flow measurements and leveling surveys after the lower weir is periodically replaced to insure accurate flow measurements are maintained. Data collected will be added to the USGS database with appropriate quality-control checks. Data collected as a result of this study will be used to determine daily and seasonal losses or gains along the Burnt Canyon reach.

Total cost for the above work is \$20,820. Of this total, San Gorgonio will contribute \$16,270 and subject to the availability of Federal Matching Funds (FMF), the USGS will contribute \$4,550, as reflected in the summary funding table.

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Total FFY 2016 cost for task 2 -

\$ 20,820

Future Work

To assist in future planning for the USGS and SGPWA cooperative program. The USGS has proposed work for FFY 2017. As stated in past agreements the CAWSC policy with respect to matching funds is on a first come basis, with priority going to multi-year agreements. This multi-year program will help the USGS plan for future Federal Matching Funds, the current program between the USGS and SGPWA is year to year and does not allow for the USGS to plan the allocation of future matching funds. The USGS is suggesting that the cooperative agreement be change to a multi-year agreement. This change does not obligate future funds for the USGS or the SGPWA and is for planning purposes only (Table 2.). In order to address questions concerning the interactions between the Cabazon Basin and the Coachella Basins, the USGS is proposing several monitoring wells, one monitoring well near the eastern boundary of the Cabazon basin, and one well near the western boundary of the Coachella Basin. These wells are needed to help determine groundwater gradients and better estimate groundwater interactions between basins. There are other locations within the basin where the understanding of the groundwater system could greatly improve with the installation of additional monitoring s, including the proposed recharge facility near Beaumont Avenue. Further discussion between respective staffs is need to determine the best approach to meet the research goals of the USGS and the groundwater management needs of the SGPWA.

References

U.S. Environmental Protection Agency, 2009, Drinking water contaminants, accessed November, 2009, at <http://www.epa.gov/safewater/contaminants/index.html>.

MEMORANDUM

TO: Board of Directors

FROM: General Manager

RE: Appointment of Agency Representative to ACWA/JPIA Board of Directors

DATE: March 7, 2016

Summary:

The Agency gets most of its insurance coverage through the ACWA Joint Powers Insurance Authority. This is a pooled insurance fund consisting of members of the Association of California Water Agencies (ACWA). President Jeter is currently the Agency's representative on the Board, and the General Manager is his alternate. The purpose of this proposed Board action is to appoint a successor to the ACWA/JPIA Board of Directors.

Background:

When the Agency joined ACWA/JPIA in 2006, the Board appointed President Jeter as its representative on the Board of Directors, with the General Manager as his alternate. The Board typically meets twice a year—once at each ACWA conference (one in the Spring and one in the Fall). Since 2006, President Jeter has attended every ACWA/JPIA board meeting except one, which was attended by the General Manager.

Detailed Report:

President Jeter has asked to be relieved of his position as a member of the ACWA/JPIA Board of Directors. According to the JPIA Agreement, each Board member shall serve until a successor is appointed by the Member (in this case, the Agency).

The JPIA Agreement further states that the appointed Board member must be a member of the Board of Directors, though the Alternate may be an employee of the Agency.

Fiscal Impact:

There is no direct fiscal impact in appointing a successor to the ACWA/JPIA Board of Directors.

Relationship to Strategic Plan:

There is no direct relationship between membership in ACWA/JPIA and the strategic plan.

Recommendation:

Staff recommends that the Board appoint one of its member to be the representative to the ACWA/JPIA Board of Directors. The General Manager is willing to continue to serve as the Alternate.

JPIA Board of Directors - Member/Alternate

An excerpt from the JPIA Agreement:

"Article 7 - Board of Directors"

- (a) The Authority shall be governed by the Board of Directors which is hereby established and which shall be composed of one representative from each Member, who shall be a Member director selected by the governing board of that Member. Each Member, in addition to appointing its member of the Board, shall appoint at least one alternate who shall be an officer, member of the governing board, or employee of that Member. The alternate appointed by a Member shall have the authority to attend and participate in any meeting of the Board when the regular member for whom he or she is an alternate is absent from said meeting.
- (b) Each Director or alternate of the Board shall serve until a successor is appointed. Each Director or alternate shall serve at the pleasure of the Member by which he or she has been appointed.
- (c) Each Director representing a Member, or his or her alternate, shall have one vote.

Please have your agency's Board of Directors designate a JPIA Director Representative and Alternate Representative.

Member Agency: _____

JPIA Director Representative: _____

Must be a member of the agency's board of directors.

Preferred mailing address: _____

E-mail address: _____

Phone number: _____

Assuming office date: _____

JPIA Alternate Representative: _____

Preferred mailing address: _____

E-mail address: _____

Phone number: _____

Please mail form to: Attn: Bobbette Wells, ACWA/JPIA, PO Box 619082, Roseville, CA 95661-9082

or FAX to: (916) 774-7040

Jeff Davis

From: [REDACTED]
Sent: Friday, March 04, 2016 7:14 AM
To: [REDACTED]; Jeff Davis
Subject: Re: Agenda item 3/7/2016

Jeff,
Please include this as an agenda item on the March 7, 2016 board meeting.
Thanks,
Dir. Ball

-----Original Message-----

From: [REDACTED] >
To: [REDACTED] >
Sent: Fri, Mar 4, 2016 6:57 am
Subject: Agenda item 3/7/2016

I am submitting this agenda item for discussion among the board members, staff and the public (if they choose to participate). My goal in presenting this is to have a positive thought provoking discussion about proper, good governance. By way of background, I have served as an elected official for some thirteen years including one year now on the Pass Agency Board. Over the course of that time and perhaps due in part to the difficult first eight years of service, I have developed some strong opinions about local government and how it best operates. Among these core values are the following: 1. We live in a republic which is the people doing the people's business. 2. The Brown Act was enacted so the people could "maintain control over the instruments they created". 3. We elected officials are under obligation to do what is right on behalf of the people above any personal gain or authority we may enjoy.

I further believe that the board meetings are under the control of the board of directors. Staff plays a vital role to implement the policies set by the board and indeed may take an active role in presenting material to the board. Staff serves at the pleasure of the board but they are not the decision makers. That role of decision making (policy) is left to the board members as elected by the people. There exists a line of professionalism and respect that should not be crossed by either directors or staff into the others domain.

At times I have been on boards where staff has presented material, made a recommendation and then proceeded to lobby the board heavily in favor of the recommendation they made. This tactic always leaves me asking myself, What is it that I am not being told? or What questions should I be asking in order to get unbiased facts?. I believe it is fundamentally wrong for staff to lobby the board and contrary to the intent of the checks and balances set up under this form of government. As a board member my wish is to only have unbiased facts presented, both pro and con, and then we as board members will discuss and make the decision and thus fulfill our roles as representatives of the people.

On other occasions I have been on boards where seemingly the same two directors would make the motion and second on an agenda item after staff gave their report. It had the appearance that the three had communicated beforehand and discussed ways in which they might manipulate the other board members and the action of the agenda item. Of course this is problematic on many levels but one facet that may be overlooked is the fact that the staff may not necessarily be a willing participant but may feel obligated to go along with the action so as not to upset the directors. The staff member may feel they have no one they can turn to and may feel their employment is at risk unless they go along as "directed" by the directors. Again this crosses the line of professionalism and respect between staff and the directors. If, however, the staff member is a willing participant in the attempt to manipulate board action then they run the risk of alienating the other board members who are not members of this attempt to manipulate.

I further believe it is the right of the directors to question staff as to their sources of information and it is the duty of staff to truthfully divulge who they rely upon for their information and who they have communicated with in order to arrive at their recommendations to the board. Trust is a highly valued characteristic but once broken is difficult to repair. The efficiency of a board and its staff is best achieved when both work together in a trusting manner to do what is best for the people whose business we run. Anything less than that may cause unintended distractions and disruptions and the peoples business will suffer.

Again, my goal is to have a thought provoking discussion about good governance wherein we can clearly understand our respective roles and protect each other against crossing over into others domain and thus maintain a good spirit of trust and a good working relationship. ✎

Respectfully submitted,

Director Ball

Jeff Davis

From: [REDACTED]
Sent: Friday, March 04, 2016 7:46 AM
To: [REDACTED]
Subject: Cost analysis

Jeff,
Please include this as an agenda item for the March 7, 2016 board meeting.
Thanks,
Dir. Ball

Cost analysis:

The board is approaching a time when we will decide if we should fund some \$4 million dollars for the construction of the Beaumont Avenue Recharge Facility (BARF). As one who is still undecided if this is the proper use of our general funds it has occurred to me that to my knowledge we have never received an analysis of cost as it pertains to cost of project and amount of water received for that cost. I would like a review of options available to the board and water received for those costs assuming \$4million dollars spent.

For example, if we spend \$4million dollars on the BARF then we would expect no additional water when the project is completed for that \$4million dollars spent...any water received would need to be purchased additional to the \$4million.

I am interested in knowing what amount of water we may expect to receive in acre feet units if we used \$4million dollars and 1) continued using the BCVWD facility on Orchard, 2) use the BCVWD recharge facility on Beaumont Avenue in the same manner that the City of Banning and others use it, 3) construct berms in the stream bed on the property owned by the Pass Agency and receive water there, 4) use other facilities we are currently making an inventory of that are owned by other agencies within our boundaries.

In other words my concern is whether we use our money for a facility that provides the people with no additional water or are there options available that will supply water when we spend the \$4million.
Some assumptions will need to be made and remain consistent with the various opportunities such as the cost of long term water purchased per acre foot, and the cost of surplus water per acre foot.

While I understand that these numbers won't be exact, it will help the board understand how best to use the people's money when the time comes to make this important decision.
Hopefully other board members will have other options they may want to explore under this cost analysis approach.

Respectfully submitted,

Dir. Ball