

**MEETING OF THE WATER RESOURCES COMMITTEE  
OF THE BOARD OF DIRECTORS  
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA  
4040 PARAMOUNT BOULEVARD, LAKEWOOD, CALIFORNIA 90712  
12:00 P.M., WEDNESDAY, AUGUST 3, 2011**

**AGENDA**

EACH ITEM ON THE AGENDA, NO MATTER HOW DESCRIBED, SHALL BE DEEMED TO INCLUDE ANY APPROPRIATE MOTION, WHETHER TO ADOPT A MINUTE MOTION, RESOLUTION, PAYMENT OF ANY BILL, APPROVAL OF ANY MATTER OR ACTION, OR ANY OTHER ACTION. ITEMS LISTED AS "FOR INFORMATION" MAY ALSO BE THE SUBJECT OF ANY "ACTION" TAKEN BY THE BOARD OR A COMMITTEE AT THE SAME MEETING.

- 1. DETERMINATION OF A QUORUM**
- 2. PUBLIC COMMENT**
- 3. MINUTES OF THE MEETING OF JULY 6, 2011**  
*Staff Recommendation:* Approve the minutes as submitted.
- 4. GROUNDWATER BASIN UPDATE**  
*Staff Recommendation:* For information.
- 5. GROUNDWATER BASINS MASTER PLAN UPDATE**  
*Staff Recommendation:* For information.
- 6. GRANT RESOLUTION FOR ALAMITOS BARRIER PROJECT EXPANSION FINAL DESIGN**  
*Staff Recommendation:* Authorize the General Manager to submit a funding application and enter into a financial assistance agreement for final design of the Alamitos Barrier Recycled Water Project Expansion under the USBR's Title XVI Water Reclamation and Reuse Program, and adopt a resolution to commit the District to the financial and legal obligations associated with receipt of financial assistance.
- 7. CONTRACT AMENDMENT FOR DMJ CONSULTING**  
*Staff Recommendation:* Amend the existing contract with DMJ Consulting to increase the budget amount by an additional \$50,000 and a time extension through June 30, 2012.
- 8. GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) UPDATE**  
*Staff Recommendation:* For information.
- 9. DISCUSSION OF WATER INDEPENDENCE NOW (WIN) PROGRAM**  
*Staff Recommendation:* For information.

10. DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF
11. ADJOURNMENT

Posted by Abigail C. Andom, Deputy Secretary, July 29, 2011.

In compliance with the Americans with Disabilities Act (ADA), if special assistance is needed to participate in the Board meeting, please contact Deputy Secretary Abigail Andom at (562) 921-5521 for assistance to enable the District to make reasonable accommodations.

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 4040 Paramount Boulevard, Lakewood, California 90712.

Agendas and minutes are available at the District's website, [www.wrd.org](http://www.wrd.org).

**MINUTES OF JULY 6, 2011  
MEETING OF THE WATER RESOURCES COMMITTEE  
OF THE BOARD OF DIRECTORS  
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

A meeting of the Water Resources Committee of the Board of Directors of the Water Replenishment District of Southern California was held on Wednesday, July 6, 2011, 12:34 p.m., at the District Office, 4040 Paramount Boulevard, Lakewood, California. Director Rob Katherman called the meeting to order and presided thereafter. Deputy Secretary Abigail C. Andom recorded the minutes.

**1. DETERMINATION OF A QUORUM**

Attendees at the meeting were as follows:

Committee: Directors Albert Robles and Rob Katherman

Staff: Robb Whitaker, Jason Weeks, Cathy Chang, Jim McDavid,  
Paul Fu

Guest: Terry Spragg, Spragg and Associates

**2. PUBLIC COMMENT**

Terry Spragg of Spragg and Associates stated that he presented a draft of his Delta Flexible Pipeline Demonstration Project to staff and would welcome any comments they may have.

**3. MINUTES OF THE MEETING OF JUNE 1, 2011**

The minutes were approved as submitted.

**4. REQUEST FOR PROPOSAL (RFP) FOR FINAL DESIGN OF VANDER LANS FACILITY EXPANSION**

Discussion followed on the applicability of a design-build procurement process for the final design of the Leo J. Vander Lans (LVL) Water Treatment Facility expansion.

After discussion, the Committee recommended that staff proceed using the traditional design-bid-build method. Staff was further instructed to issue a Request For Proposals (RFP) to procure a qualified consultant to perform the final design of the project by posting the RFP on the WRD web site and sending out the RFP to consultants that are on District's pre-qualified list for as-needed professional services. Services include preparation of design and regulatory documents necessary for construction of the LVL expansion and a 30-percent design of a source water supply pipeline from Los Coyote Water Reclamation Plant to LVL.

The Committee also recommended an accelerated schedule for the project with the following anticipated dates and proposed actions:

July 15, 2011 – Release of RFP

July 26, 2011 – Pre-proposal Meeting

August 22, 2011 – Proposal Due  
September 12, 2011 – Complete Review of Proposals  
September 14, 2011 – Special Water Resources Committee Meeting  
September 16, 2011 – Consideration of Approval by Board to Select a Consultant

Mr. Weeks also informed the Committee that staff has received a letter from Long Beach Water Department indicating that effective July 1, 2011, they will begin assessing the District a \$90 per acre-foot pass-through Readiness to Serve (RTS) Charge on Tier 1 imported water purchased for the Alamitos Barrier. The Committee recommended that the Board be informed of this matter.

**5. GROUNDWATER BASINS MASTER PLAN UPDATE**

Senior Engineer Jason Weeks provided an update on the development of the Groundwater Basins Master Plan. Mr. Weeks stated that staff and consultants met in late June to review the preliminary alternative management scenarios developed and that the focus of that meeting was on input received from Central Basin stakeholders. He stated that a July 12 meeting is scheduled with the focus group (composed of representatives from Long Beach, Los Angeles, Golden State Water Company, and Lakewood) to review the various alternatives and introduce the scenarios prior to presentation to all stakeholders at a workshop to be held the last week of July.

**6. INTERA GROUNDWATER MODELING CONTRACT AMENDMENT**

The Committee recommended the Board amend the Agreement with Intera Inc., subject to approval of form by District Counsel, for additional groundwater modeling tasks at the Dominguez Gap and Alamitos Seawater Barriers for an additional amount not to exceed \$56,000. The item will be agendaized under Consent Calendar.

**7. SAMPLING FOR WBMWD AT SEAWATER BARRIER WELLS**

The Committee recommended the Board enter into an agreement with the West Basin Municipal Water District, subject to approval of form by District Counsel, for groundwater sampling services at the West Coast Basin Barrier Project. All costs for these services will be directly paid by WBMWD so that there will be no impact to WRD's replenishment assessment. The item will be agendaized under Consent Calendar.

**8. GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) UPDATE**

General Manager Robb Whitaker stated that the Ad Hoc GRIP Committee met on June 24 to discuss procedures to allow the project to continue with the withdrawal of Upper San Gabriel Valley Municipal Water District (USGVMWD) from the GRIP Joint Powers Authority (JPA).

Senior Engineer Jim McDavid stated that staff and District Counsel met with staff and legal counsel of the Los Angeles County Sanitation Districts

(LACSD) to develop exit procedures that will allow the USGVMWD to formally withdraw from the JPA and fulfill its previously committed financial obligations. Mr. McDavid stated that legal counsel from both WRD and LACSD have recommended that the GRIP JPA be dissolved and a two party agreement be executed between WRD and LACSD to continue to pursue the development of the GRIP.

Mr. McDavid stated that legal counsel for the partner agencies have also developed an amendment to the JPA cost sharing agreement executed in January 2010 to allow for the termination of the original agreement and an accounting of the funds owed WRD for expenditures made on behalf of the partnership for the public outreach and alternative water supply analysis. He added that the amendment also establishes the basis for LACSD and WRD to continue with the remaining work associated with the public outreach effort.

Mr. McDavid stated that the previous items will be brought to the Board for approval at its July 6 meeting.

**9. DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF**

The next Water Resources Committee meeting is scheduled Wednesday, August 3, 2011 at 12:00 p.m.

**10. ADJOURNMENT**

With no further business for the Committee, the meeting was adjourned at 2:00 p.m.

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Chair

ATTEST:

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Member



## MEMORANDUM

ITEM NO. 4

*Prepared by:* Ted Johnson

*Reviewed by:* Jason Weeks

*Approved by:* Robb Whitaker

**DATE:** AUGUST 3, 2011  
**TO:** WATER RESOURCES COMMITTEE  
**FROM:** ROBB WHITAKER, GENERAL MANAGER  
**SUBJECT:** GROUNDWATER BASIN UPDATE

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### SUMMARY

Staff monitors groundwater conditions in the Central and West Coast Basins throughout the year. A summary of current conditions is presented below.

#### Precipitation:

For the water year (October 1 – September 30), there has been 20.19 inches reported at the downtown Los Angeles precipitation station through July 29. A normal year is 15.14 inches. Therefore, the region is above normal for the year by over 5 inches of rain, which has helped improve the local water supply picture through above normal groundwater recharge.

#### Imported Water:

MWD has recently made available a total of 225,000 acre-feet of discounted replenishment water to its member agencies through December 2011 due to surplus water in their system from the wet year. The discounted water has not been made available by MWD since May 2007 due to water shortages. WRD has placed an order for 25,000 acre-feet of this water to be delivered to the spreading grounds for groundwater recharge (one order of 6,500 acre-feet to be delivered prior to June 30 and another of approximately 18,500 acre-feet to be delivered prior to December 31), and 15,000 acre-feet of this water for an In-Lieu program with the City of Long Beach. These purchases will replenish the basins and improve the local groundwater supply picture for the groundwater producers.

#### Pumping:

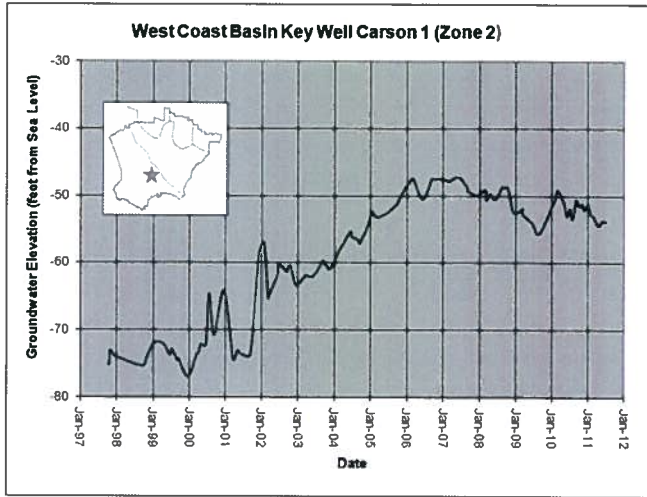
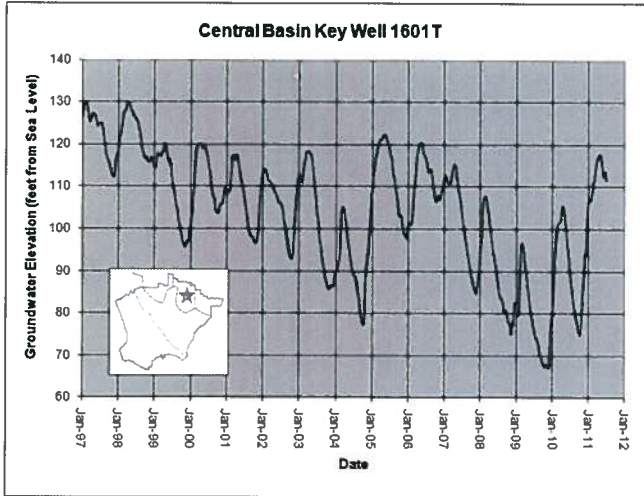
Since the start of the water year on October 1, 2010 through June 2011, a total of 156,693 acre-feet has been reported as pumped from wells within the District; 124,209 acre-feet from the Central Basin (13% decrease from the previous year) and 32,484 acre-feet from the West Coast Basin (1% increase from the previous year). Combined, pumping amounts are down 10% from the previous year likely due to the wet and cold weather in the first half of 2011 which caused reduced water demands, WRD's In-Lieu program with the City of Long Beach, and continuing water conservation efforts by the population.

#### Groundwater Levels:

Groundwater levels in Central and West Coast Basin key wells are shown in the hydrographs below. In the Central Basin Key Well 1601T, water levels had been generally declining over

the past 14 years with overlying trends of seasonal rises and drops in response to winter and summer effects. The well has responded favorably to the wet winter recharge and WRD replenishment activities from November 2010 through April 2011, and is currently experiencing the normal decline due to stormwater subsiding that will continue through summer and fall. Current decline in water levels is about a foot per week (the measurement frequency).

In the West Coast Basin Key Well Carson #1 (Zone 2), water levels generally were rising from 2000 through 2007, then began to drop until mid 2009 when they increased, but since then have had a declining trend. Currently water levels are falling at the slight rate of 0.2 feet (2.4 inches) per month (the measurement frequency).



**FISCAL IMPACT**

For information.

**STAFF RECOMMENDATION**

For information.



## MEMORANDUM

### ITEM NO. 5

*Prepared by:* Jason Weeks

*Reviewed by:* Ted Johnson

*Approved by:* Robb Whitaker

**DATE:** AUGUST 3, 2011  
**TO:** WATER RESOURCES COMMITTEE  
**FROM:** ROBB WHITAKER, GENERAL MANAGER  
**SUBJECT:** GROUNDWATER BASINS MASTER PLAN UPDATE

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### SUMMARY

District staff and its consultants, CH2MHILL and RMC Water and Environment, are continuing work on the development of a Groundwater Basins Master Plan for the West Coast Basin and Central Basin (Plan).

The focus of effort over previous month has been the development of alternative management scenarios for the Central Basin. These scenarios were developed based on input from Central Basin stakeholders and reviewed by District staff and project partners.

These scenarios will be presented to Central Basin stakeholders at the Central Basin Water Association on August 1.

District staff will provide the Committee with an overview of the alternative management scenarios and input received at the Central Basin Water Association meeting.

### FISCAL IMPACT

None.

### STAFF RECOMMENDATION

For information.



## MEMORANDUM

ITEM NO. 6

*Prepared by:* Theresa Wu

*Reviewed by:* Scott Ota

*Approved by:* Robb Whitaker

**DATE: AUGUST 3, 2011**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: GRANT RESOLUTION FOR ALAMITOS BARRIER PROJECT EXPANSION  
FINAL DESIGN**

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### SUMMARY

WRD is preparing an application for grant funding from the Bureau of Reclamation (USBR) through the Title XVI Water Reclamation and Reuse Program for final design of the Alamitos Barrier Recycled Water Project Expansion (a.k.a. Leo J. Vander Lans Advanced Water Treatment Facility Expansion). A resolution by the governing body is requested to support this funding application.

This financial assistance agreement would enable USBR's contribution of up to 25 percent of the estimated cost to complete final design of the facility expansion. The agreement will be funded using Federal fiscal year 10-11 (October 1 – September 30) funds and would be executed in September 2011.

Adoption of the resolution by the Board of Directors will commit the District to the financial and legal obligations associated with receipt of financial assistance from USBR which is detailed in the attached resolution. A similar resolution was submitted with the District's successful WaterSMART Feasibility Study grant application that was awarded for the Goldsworthy Desalter Expansion in mid-2011.

The District anticipates the total cost of design activities will not exceed \$3.2 million, and anticipates requesting up to \$800,000 in grant funding from USBR.

### FISCAL IMPACT

District is responsible for a cost share of 75 percent of the total project amount (total project cost not to exceed \$3.2 million). This amount has been budgeted for fiscal year 11-12.

### STAFF RECOMMENDATION

Authorize the General Manager to submit a funding application and enter into a financial assistance agreement for final design of the Alamitos Barrier Recycled Water Project Expansion under the USBR's Title XVI Water Reclamation and Reuse Program, and adopt a resolution to commit the District to the financial and legal obligations associated with receipt of financial assistance.

**RESOLUTION NO. XX-XXX**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA  
AUTHORIZING THE GENERAL MANAGER TO SUBMIT A FUNDING ASSISTANCE  
APPLICATION TO THE UNITED STATES BUREAU OF RECLAMATION UNDER THE  
TITLE XVI WATER RECLAMATION AND REUSE PROGRAM FOR THE FINAL  
DESIGN OF THE ALAMITOS BARRIER PROJECT EXPANSION**

**WHEREAS**, in accordance with Water Code Section 60220 *et seq.*, the Water Replenishment District of Southern California (“District”) may engage in any act necessary to replenish the groundwater, and to protect water quality; and

**WHEREAS**, the District desires to address current groundwater management issues through development of solutions to more effectively manage the water supply in the groundwater basins; and

**WHEREAS**, expansion of the Alamitos Barrier Project (“Project”) (a.k.a., Leo J. Vander Lans Water Treatment Facility) would increase the amount of recycled water recharged to the Alamitos Seawater Intrusion Barrier; and

**WHEREAS**, the Project would increase the use of recycled water to offset imported water use for replenishment and improve the reliability of the replenishment water supply for the Central Groundwater Basin; and

**WHEREAS**, the United States Bureau of Reclamation (“USBR”) and the District desire to share the costs for the final design of the Project under the USBR’s Title XVI Water Reclamation and Reuse Program (“Program”); and

**WHEREAS**, the Grant requires the applicant to cost share and the District will be responsible for seventy-five percent (75%) or more of the total project costs. The District anticipates the total cost of the project not exceed 3.2 million dollars (\$3,200,000.00). The District is requesting eight-hundred thousand dollars (\$800,000.00) in Grant funding from USBR, and will contribute \_\_\_\_\_ dollars (\$\_\_\_\_\_.00) of District funds to the project; and

**WHEREAS**, the Water Resources Committee of the District at its August 3, 2011 meeting recommended that the Board of Directors adopt a resolution to support the application for this funding assistance; and

**WHEREAS**, the District’s General Manager has reviewed the funding application and supports the submission of the District’s application.

**NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE WATER REPLENISHMENT DISTRICT DOES HEREBY RESOLVE AS FOLLOWS:**

1. The District finds that the above recitals are true and correct and adopts the above recitals herein by this reference.

2. The Board of Directors has reviewed and supports the application to be submitted under the authority of this Resolution in relation to the Title XVI Water Reclamation and Reuse Program; and

3. The General Manager, and/or his designee, is hereby authorized and directed to sign and file, for and on behalf of the District, an application for funding assistance with the USBR under the Title XVI Program; and

4. The District will provide funding and in-kind contributions as required by the Program and posses the capability to fund the amount required and/or provide the in-kind contributions specified in the funding plan; and

5. The General Manager, and/or his designee, is hereby further authorized to execute an agreement for funding assistance with the USBR and will work with USBR and all other associated agencies to meet established deadlines for entering into an assistance agreement; and

6. Additionally, the Board of Directors designates the General Manager, and/or his designee to execute any and all documentation related to the assistance agreement that is currently required and/or may be required in the future and to submit any additional documentation required by the USBR in relation to the funding assistance and the District's compliance and eligibility for the same.

**[RECORD OF THE VOTE AND SIGNATURES ON THE FOLLOWING PAGE]**

**PASSED, APPROVED AND ADOPTED THIS 19<sup>th</sup> day of August, 2011 by the following vote:**

**AYES:  
NOES:  
ABSENT:  
ABSTAIN:**

**WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

\_\_\_\_\_  
Sergio Calderon, President

ATTEST:

\_\_\_\_\_  
Robert Katherman, Secretary

\_\_\_\_\_  
DATE

APPROVED AS TO FORM:

\_\_\_\_\_  
Francisco Leal, District Counsel

1461476.1



## MEMORANDUM

ITEM NO. 7

*Prepared by: Tony Kirk*

*Reviewed by: Ted Johnson*

*Approved by: Robb Whitaker*

**DATE: AUGUST 3, 2011**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: CONTRACT AMENDMENT FOR DMJ CONSULTING**

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### SUMMARY

The District retained DMJ Consulting (DMJ) for on-call hydrogeologic field services on April 16, 2010 after a competitive request for proposals process. The work by DMJ supports WRD projects and programs involving collection of groundwater data and the operation and maintenance of related equipment and infrastructure. Services include collection of groundwater samples and groundwater levels, locating new monitoring well locations and obtaining site access agreements, repair and maintenance of monitoring wells, and other field tasks as directed by District Staff. DMJ came in at the lowest rate for a licensed geologist.

Since initiation of the contract, DMJ has performed well in all aspects of service to the District. The consultant's strengths include the ability to take direction and work independently, communicate in a timely fashion, utilize subcontractors, and provide professional documentation of activities. Specific projects include significant repairs and replacements of 8 monitoring well vaults, locating drilling sites and assisting with permitting issues for recently completed WRD monitoring wells Los Angeles #3, Carson #3, and Manhattan Beach #1, sampling of WRD Westbay monitoring wells WN-1 and WN-2, hydrogeologic study and workplan development for San Gabriel Spreading Grounds Test Basin monitoring, and numerous other field tasks. These efforts are helping WRD staff meet project deadlines and maintain various District assets.

The contract with DMJ was established with an initial budget amount of \$50,000 from the previous FY 09/10 budget. The contract expired June 30, 2011, and based on successful performance over the past year, staff recommend extending the term of the contract for an additional year and amending the contract amount by \$50,000. This was included in the fiscal year 11-12 budget. Anticipated tasks include continuation of the work described above as well as a focused project involving installation of key monitoring wells in at the spreading grounds.

### FISCAL IMPACT

Not to exceed \$50,000. Funding for this work is included in the fiscal year 11-12 budget.

### STAFF RECOMMENDATION

Amend the existing contract with DMJ Consulting to increase the budget amount by an additional \$50,000 and a time extension through June 30, 2012.



**MEMORANDUM**

**ITEM NO. 8**

*Prepared by:* Jim McDavid  
*Reviewed by:* Ted Johnson  
*Approved by:* Robb Whitaker

**DATE: AUGUST 3, 2011**  
**TO: WATER RESOURCES COMMITTEE**  
**FROM: ROBB WHITAKER, GENERAL MANAGER**  
**SUBJECT: GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP)  
UPDATE**

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**SUMMARY**

The GRIP partnership, made up of the Upper San Gabriel Valley Municipal Water District (USGVMWD), Los Angeles County Sanitation Districts (LACSD) and WRD, continues to move forward with developing a program that would replace imported replenishment water with a locally sustainable supply. This partnership may be re-organized in the near future.

Staff and legal counsel for the partner agencies have prepared documents for the amendment to the Cost Sharing Agreement and dissolution of the Joint Powers Authority. The amendment of the Cost Sharing Agreement will define the funds owed WRD by the USGVMWD and LACSD and will sunset the agreement. Both documents will be taken to the respective Board of Directors for approval. WRD approved these documents at their regularly scheduled meeting on July 15, 2011.

**FISCAL IMPACT**

None at this time.

**STAFF RECOMMENDATION**

For information.



**MEMORANDUM**

**ITEM NO. 9**

*Prepared by: Ted Johnson  
Reviewed by: Ted Johnson  
Approved by: Robb Whitaker*

**DATE: AUGUST 3, 2011**  
**TO: WATER RESOURCES COMMITTEE**  
**FROM: ROBB WHITAKER, GENERAL MANAGER**  
**SUBJECT: DISCUSSION OF WATER INDEPENDENCE NOW (WIN) PROGRAM**

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**SUMMARY**

Staff will discuss the various components of the Water Independence Now (WIN) Program with the committee.

**FISCAL IMPACT**

None at this time.

**STAFF RECOMMENDATION**

For information.