

**SPECIAL 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., TUESDAY, MAY 17, 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. NO COST TIME EXTENSION OF RMC WATER AND ENVIRONMENT CONTRACT**
Staff Recommendation: Extend the termination date of the Alternative Analysis Agreement with RMC Water and Environment to August 19, 2011, with no additional cost to the District.
- 4. DATA LOGGING EQUIPMENT FOR WRD GROUNDWATER MONITORING PROGRAMS**
Staff Recommendation: Authorize the General Manager to purchase data logging equipment for WRD groundwater monitoring programs from In-Situ Inc. for a price not to exceed \$77,000.
- 5. AUTHORIZATION FOR THREE GROUNDWATER MONITORING WELLS FOR THE REGIONAL GROUNDWATER MONITORING PROGRAM**
Staff Recommendation: (1) Execute an agreement, subject to approval of form by District Counsel, with the United States Geological Survey to drill three new deep, specialized, groundwater monitoring wells for an amount not to exceed \$1,500,000 plus a 10% contingency for a total of \$1,650,000. (2) Execute an agreement, subject to approval of form by District Counsel, with Schlumberger Water Services to perform professional geophysical logging services of the three new monitoring well sites for an amount not to exceed \$300,000, plus a 10% contingency for a total of \$330,000. (3) Approve the purchase of groundwater monitoring equipment from In-Situ Inc. for an amount not to exceed \$50,000, plus a 10% contingency for a total of \$55,000. (4) Direct Staff to file a Notice of Exemption for the wells under CEQA. (5) That the Board declare its intent to explore reimbursement of the total cost of these wells from a future debt issuance.
- 6. COST AND TIME CONTRACT AMENDMENT FOR RICHARD RHONE OF GEI**
Staff Recommendation: Execute a contract amendment with Mr. Richard Rhone of GEI Consultants Inc., subject to approval of form by District Counsel, for professional consulting services for an additional amount of \$50,000 and extend the termination date of the agreement to June 30, 2012.

7. ADDITIONAL FEDERAL FUNDS FOR MONITORING WELLS

Staff Recommendation: Amend the Joint Funding Agreement #10W4CAD21700 with the U.S. Geological Survey to allow \$101,400 in Federal funds to be applied for supplemental data collection and analysis for the recently completed monitoring wells.

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

9. ADJOURNMENT

Posted by Abigail C. Andom, Deputy Secretary, May 12, 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.



MEMORANDUM

ITEM NO. 3

Prepared by: Jim McDavid

Reviewed by: Jason Weeks

Approved by: Robb Whitaker

DATE: MAY 17, 2011

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: NO COST TIME EXTENSION OF RMC WATER AND ENVIRONMENT CONTRACT

SUMMARY

The GRIP partnership has to date made progress towards moving forward with developing a program that would replace imported replenishment water with a locally sustainable supply.

RMC Water and Environment continues to progress under their contract with WRD to perform the Alternatives Analysis. On March 1, 2011, the USGVMWD informed the other two GRIP partner agencies that it will no longer be participating in the Joint Powers Authority (JPA). Staff and legal counsel for the LACSD and WRD have been working to develop exit procedures that will allow the USGVMWD to formally withdraw from the JPA and fulfill its previously committed financial obligations, including the completion of the Alternatives Analysis. Due to this change in the membership of the JPA there has been a delay in the completion of the GRIP Alternatives Analysis which has caused the current contract to expire. Therefore, Staff is seeking to extend the term of the contract for six (6) months, from February 19, 2011 to August 19, 2011, with no additional cost.

FISCAL IMPACT

None.

STAFF RECOMMENDATION

Extend the termination date of the Alternative Analysis Agreement with RMC Water and Environment to August 19, 2011, with no additional cost to the District.



MEMORANDUM

ITEM NO. 4

Prepared by: Tony Kirk

Reviewed by: Ted Johnson

Approved by: Robb Whitaker

DATE: MAY 17, 2011

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: DATA LOGGING EQUIPMENT FOR WRD GROUNDWATER MONITORING PROGRAMS

SUMMARY

WRD has long utilized and deployed data logging equipment in wells to track groundwater levels throughout the District for numerous groundwater monitoring programs. This equipment has proved to be a reliable, efficient and cost effective means to collect water level data at frequent intervals in wells without having the need for staff to visit the wells as frequently, thus saving costs and staff time. Following recent innovations in datalogging technology, Staff is expanding the use of the dataloggers to include water quality parameters such as electrical conductivity which will help the District track recycled water movement through the aquifers as required by regulatory permits, and will help assess changes in salinity along the coast due to seawater intrusion.

In addition to deployment of data loggers, field staff has been developing telemetry technology to connect to the data loggers to allow the transmission of the data to WRD computers without the need for staff to visit the wells. While the basic technology is available, previously the cost has been relatively high and there have been logistical challenges to installations at our well locations due to threats of vandalism, poor weather, and the need for a reliable electrical power source at the well site. New technological advances have brought costs down and Staff are now prepared to expand our pilot testing of telemetry technology and apply it to a key well.

The District has standardized on data logging equipment over the past 15 years, using products developed by In-Situ Inc. from Fort Collins, Colorado. Standardization is a key component of managing the large inventory of monitoring equipment utilized by WRD. While other manufacturers provide similar equipment, Staff has tried some of this other equipment and it has not performed equally to In-Situ, often failing in the field. Staff is continually evaluating other new products and technologies through vendor demonstrations, beta-testing, trial deployments, and price comparisons, but to date have not found a reliable competitor. In-Situ consistently provides the most reliable and functional equipment at a competitive price and offers excellent customer service and technical support to WRD. Therefore, Staff recommends purchasing the new equipment from In-Situ. Funds for monitoring equipment were included in the current fiscal year 10-11 budget for various projects. Price quotes for the equipment have been received from In-Situ and are summarized below:

Water level and Conductivity Data loggers for the Alamitos and Dominguez Gap Seawater Barrier Projects and Permit Compliance:	\$ 36,338.08
Water level and Conductivity Data loggers for Montebello Forebay Groundwater Recharge Tracking:	\$ 24,418.47
Telemetry Equipment for Regional Monitoring Key Well:	<u>\$ 9,485.42</u>
TOTAL	\$ 70,241.97

FISCAL IMPACT

The total cost will be \$70,241.97 plus 10% contingency for an amount not to exceed \$77,000. This is currently budgeted for fiscal year 10-11 under Projects 001, 004, 018, and 011.

STAFF RECOMMENDATION

Authorize the General Manager to purchase data logging equipment for WRD groundwater monitoring programs from In-Situ Inc. for a price not to exceed \$77,000.

MEMORANDUM

ITEM NO. 5

<i>Prepared by:</i>	Ted Johnson
<i>Reviewed by:</i>	Nancy Matsumoto
<i>Approved by:</i>	Robb Whitaker

DATE: MAY 17, 2011

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

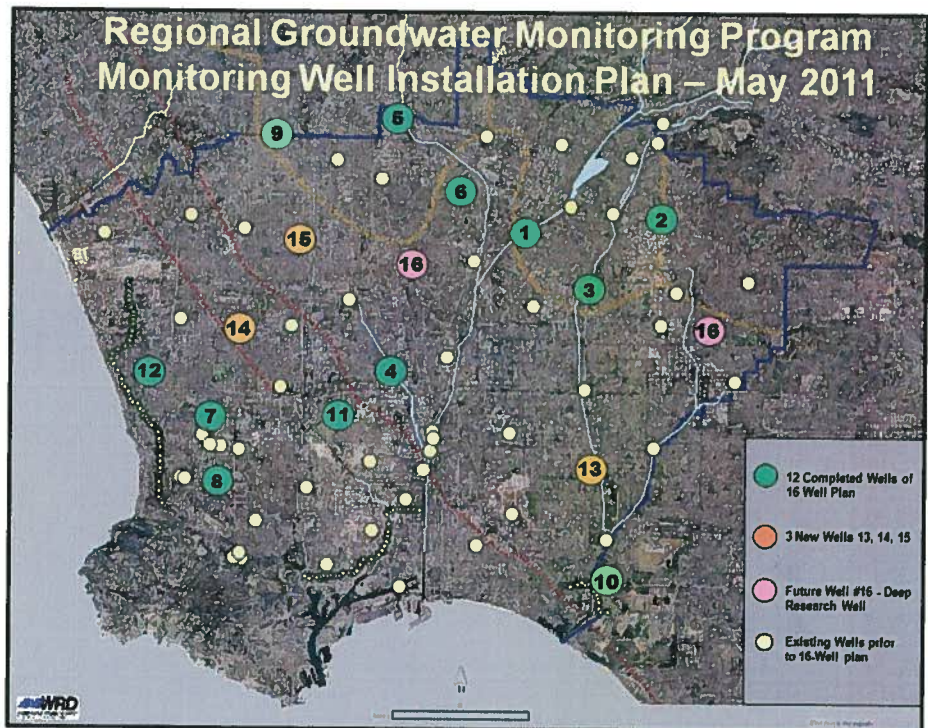
SUBJECT: AUTHORIZATION FOR THREE GROUNDWATER MONITORING WELLS FOR THE REGIONAL GROUNDWATER MONITORING PROGRAM

SUMMARY

On September 20, 2006, the Board of Directors reviewed Staff's plan to construct 16 new monitoring wells over a 4 to 5 year period with the U.S. Geological Survey (USGS) to significantly improve WRD's coverage of groundwater information throughout the Central and West Coast Basins. At that meeting, the Board also approved the funding of the first four set of wells and declared its intent to finance the wells under a future debt issuance. Those first four wells have been completed in Norwalk, Whittier, Bell Gardens, and Compton and are operating very effectively.

On January 18, 2008, with the first four wells completed, the Board authorized the second set of 4 wells to be constructed. These four wells have been completed in Bell, Los Angeles, and two in Torrance and are also operating effectively.

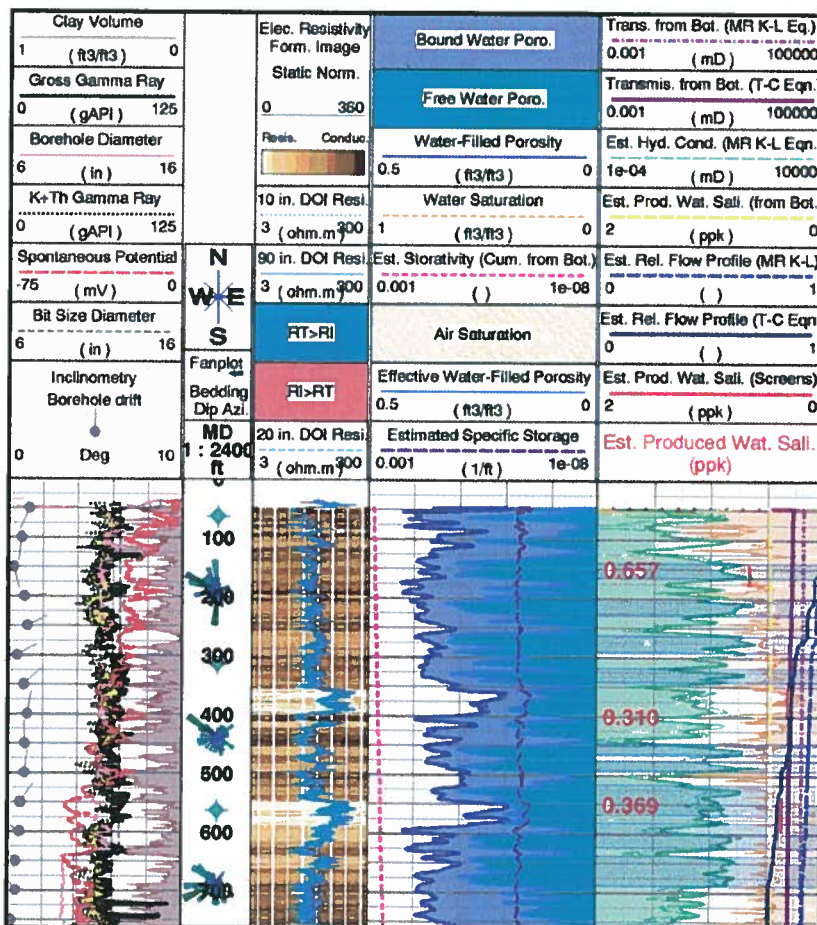
On December 18, 2009, the Board authorized the third set of 4 wells in Carson, Seal Beach, Los Angeles, and Manhattan Beach. Those wells have been completed and have been incorporated into the District's Regional Groundwater Monitoring Program. Funding for the first 12 wells came from the District's debt issuance in 2008.



Staff is now soliciting the Board for approval of 3 of the final 4 wells, which are shown on the above map as numbers 13, 14, and 15 (map positions preliminary and subject to change). As with the previous 12 wells, these three wells will be drilled to depths ranging from 1,000 to 2,000 feet depending on the geology encountered and aquifers identified, and will fill in areas of data gaps in water levels and water quality within the District. The final well, Well 16, will be a special research well targeted to 3,000 feet or more and will be the subject of a separate Board request in 2012 once details and cost estimates are finalized, in addition to solicitation for funding assistance from federal and state entities.

The USGS has drilled and installed our previous wells as part of their continued cooperation and involvement with the groundwater resources of the basins and is recommended to perform the work again. They have the unique ability to construct the specialty type of well that WRD utilizes (nested piezometers) to depths of 1,500 feet or more, and have used the same experienced drilling crew for drilling our wells over the past 17 years. This provides considerable consistency and knowledge of drilling these types of wells in the Central and West Coast Basins. The USGS also performs detailed scientific analysis of the well data using top level Ph.D. researchers who apply state of the art investigative and research methods to the water resources issues faced in this region. They draw on significant internal resources from multiple divisions, including their Water Resources Division, their Geologic Division, their Earthquake Hazards Program, and their Coastal and Marine Geology Group to extract the maximum amount of information from each well installation. Their costs have also been analyzed and determined to be reasonable, and there has never been a cost overrun to WRD for any of the wells that they have installed.

In addition to the drilling and well installation work by the USGS, Staff recommends utilizing the specialty services similar to the last 12 wells of Schlumberger Water Services to perform geophysical borehole logging at each of the 3 holes. The logging, which has been used in the oil drilling profession for decades to help identify suitable reservoirs, has been brought to the groundwater industry by petroleum services firms such as Schlumberger to characterize the aquifer properties down hole and provide immediate properties such as permeability, salinity, soil types, and porosity that can not be obtained through other typical methods and are utilized in real-time to help design the placement of the monitoring wells. The information will greatly enhance the scientific data



gathered at each well site and can only be collected at the time of drilling. Staff utilized these services on previous wells and found tremendous benefit from this product (an example is shown on the above figure). Staff investigated the only other competitor to Schlumberger, which is the Halliburton Company, and found both prices roughly the same, however Halliburton informed WRD that it had not utilized its technology for water well drilling and so is less experienced. Therefore, Staff recommends staying with Schlumberger Water Services for the work.

After the wells are drilled, they will require instrumentation so that water levels can be collected automatically on a daily basis instead of having WRD staff visit the wells too frequently. Currently the District uses data loggers from In-Situ Inc and has made a considerable investment in their products to date. Their equipment works very well and their prices are very competitive with similar devices. Staff recommends using In-Situ data loggers at these new well locations.

Regarding environmental documentation, the USGS is the lead agency for this project for the purposes of environmental compliance under the National Environmental Policy Act (NEPA). The USGS as lead agency has declared the drilling of these monitoring wells categorically exempt under NEPA. In addition, the project is also exempt under the California Environmental Quality Act (CEQA) pursuant to CEQA guidelines section 15306. However, as with the previous wells, Staff recommends that the Board direct Staff to file a Notice of Exemption (NOE) for these four wells under CEQA.

FISCAL IMPACT

The cost for the USGS to drill, install, develop, and to perform data analysis and reporting related to these four wells ranges from \$350,000 per well to \$500,000 per well, depending on the depth drilled and the working conditions at the drill site allowed by the local municipality (7 days per week at 12 hours per day is less costly than the more limited 5 days per week at 8 hours per day since it takes longer to install the well). Total cost is not to exceed \$1,500,000 for the four wells plus a 10% contingency for a total amount of \$1,650,000.

The cost for Schlumberger to do the borehole logging ranges from \$35,000 per well to \$100,000 per well depending on the geophysical tools utilized and depth reached. Total maximum cost for the three wells will be \$300,000, plus a 10% contingency for a total amount of \$330,000.

The cost for the In-Situ data loggers for the 3 wells is \$50,000, plus a 10% contingency for a total amount of \$55,000.

Total cost for the project is estimated at \$2,035,000 or approximately \$678,333 per well. The District will be exploring debt financing for these wells and has estimated a total cost of \$700,000 per well.

STAFF RECOMMENDATION

(1) Execute an agreement, subject to approval of form by District Counsel, with the United States Geological Survey to drill three new deep, specialized, groundwater monitoring wells for an amount not to exceed \$1,500,000 plus a 10% contingency for a total of \$1,650,000.

- (2) Execute an agreement, subject to approval of form by District Counsel, with Schlumberger Water Services to perform professional geophysical logging services of the three new monitoring well sites for an amount not to exceed \$300,000, plus a 10% contingency for a total of \$330,000.
- (3) Approve the purchase of groundwater monitoring equipment from In-Situ Inc. for an amount not to exceed \$50,000, plus a 10% contingency for a total of \$55,000.
- (4) Direct Staff to file a Notice of Exemption for the wells under CEQA.
- (5) That the Board declare its intent to explore reimbursement of the total cost of these wells from a future debt issuance.



MEMORANDUM

ITEM NO. 6

Prepared by: Nancy Matsumoto

Reviewed by: Robb Whitaker

Approved by: Robb Whitaker

DATE: MAY 17, 2011

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: COST AND TIME CONTRACT AMENDMENT FOR RICHARD RHONE OF GEI

SUMMARY

WRD has been utilizing the professional services of Mr. Richard Rhone of GEI Consultants (a.k.a. Bookman Edmonston Engineers) for numerous activities due to his specialized knowledge and history of the District and water resources issues in the Central Basin and West Coast Basin. Recent activities include providing review and advice on the design of the interconnection pipeline, a historical review and evaluation of the San Gabriel Valley Protective Association which the District is a member, evaluation of water flows and replenishment impacts from the San Gabriel Basin into the Central Basin, review of stream gauging stations and flow meter improvements, and participation in District meetings on replenishment activities and alternatives for replenishment improvements.

Mr. Rhone is the principal point of contact for the District and performs most of the GEI work. Mr. Rhone is the reason that GEI is uniquely qualified for this work and the continuation of the contract. Mr. Rhone has an extensive history with the District, serving as its consulting engineer for decades and acting as consulting General Manager in the past. Mr. Rhone serves as the Lower Area Watermaster under the Long Beach Judgment and has in-depth knowledge regarding water availability and flows from the Upper Area to the Lower Area.

Some upcoming and in-progress work that requires Mr. Rhone's services are listed below:

- Economic valuation of facility and operations changes on WRD as those changes affect the amount and cost of replenishment water to WRD.
- Interpretation and historical perspective regarding operations and actions of WRD.
- Interpretation and perspective regarding LACDPW operations and MWD and member agency programs and planning.
- Analysis regarding availability of MWD water on a short- and long-term basis, and alternate sources of replenishment water.
- Routing options for water deliveries and updated metering systems for the spreading grounds.

Staff recommends a contract amendment with Mr. Richard Rhone of GEI Consultants, Inc. (a.k.a. Bookman Edmonston Engineers) for continued professional consulting services as described above into the upcoming fiscal year. The term of the current contract expires on June 30, 2011 but there is significant additional work anticipated for the upcoming fiscal year.

FISCAL IMPACT

The Contract Amendment will be for an additional amount of \$50,000. This is currently a budgeted item for fiscal year 11-12 under Project 023. The budget was passed by the Board on May 6, 2011.

STAFF RECOMMENDATION

Execute a contract amendment with Mr. Richard Rhone of GEI Consultants, Inc., subject to approval of form by District Counsel, for professional consulting services for an additional amount of \$50,000, and extend the termination date of the agreement to June 30, 2012.



MEMORANDUM

ITEM NO. 7

<i>Prepared by:</i>	Ted Johnson
<i>Reviewed by:</i>	Ted Johnson
<i>Approved by:</i>	Robb Whitaker

DATE: MAY 17, 2011

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: ADDITIONAL FEDERAL FUNDS FOR MONITORING WELLS

SUMMARY

On December 18, 2009, the Board authorized the construction of four monitoring wells for our Regional Groundwater Monitoring Program in conjunction with the U.S. Geological Survey (USGS). Those four wells have been completed in Carson, Seal Beach, Los Angeles, and Manhattan Beach. WRD has a Joint Funding Agreement in place with the USGS for the construction of these wells (Agreement #10W4CAD21700).

The USGS recently notified Staff that they have identified \$101,400 in Federal funds that they want to contribute to the project to allow them to perform supplemental data acquisition and analysis on information collected from the wells. This additional information will significantly increase the scientific knowledge gained from the wells at no cost to WRD. Attached is the amendment to agreement #10W4CAD21700 that will document this contribution by the USGS.

FISCAL IMPACT

None.

STAFF RECOMMENDATION

Amend the Joint Funding Agreement #10W4CAD21700 with the U.S. Geological Survey to allow \$101,400 in Federal funds to be applied for supplemental data collection and analysis for the recently completed monitoring wells.



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) 278-3001 Fax: (916) 278-3045
<http://water.wr.usgs.gov>

April 19, 2011

Mr. Ted Johnson, Chief Hydrogeologist
Water Replenishment District of Southern California
4040 Paramount Boulevard
Lakewood, California 90712

Dear Mr. Johnson:

This letter confirms discussions between our respective staffs, concerning the continuation of the existing cooperative water resources program between the Water Replenishment District of Southern California (WRDSC) and the U.S. Geological Survey (USGS) for the period January 1, 2010 to December 31, 2011.

The U.S. Geological Survey proposes to install four multiple-completion ground-water monitoring sites in the Central and West Coast Basins during the period of January 1, 2010 to December 31, 2011. The enclosed proposal describes the purpose and scope of the installation as well as cost breakdown per monitoring site.

The total cost for installation and interpretation of four monitoring sites is \$1,428,000. Cost per site is estimated at \$350,000. As a contingency, additional funds of up to \$143,000 per site may be needed to cover unexpected expenses incurred by the USGS. The entire cost of four sites can be as much as \$2,000,000. As discussed in a recent telephone conversation, subject to the the availability of Federal Matching Funds (FMF), the USGS has allocated \$101,400 in FMF to cover the cost of supplemental data acquisition and analysis of information from these four boreholes during FFY 2011.

The enclosed Joint Funding Agreement (JFA) will be for the entire amount and anticipated time frame for this work. If the contingency funding is not utilized, the USGS will generate an amendment to the agreement for your approval, reflecting the difference.

Enclosed are three originals of JFA 10W4CAD21700, A1 for your approval. Work performed with funds from this agreement will be conducted on a reimbursable basis. Billings will be issued by the USGS on a quarterly basis. If you are in agreement with this proposed program, please return two signed JFA's to our office. The third JFA is for your records, pending USGS approval. Upon approval, a fully executed JFA will be forwarded for your records.

Mr. Ted Johnson , Chief Hydrogeologist– Water Replenishment District of Southern CA

The USGS is required to have an agreement in place prior to any work being performed on a project. We request that the signed JFA's be returned to the USGS at your earliest convenience, so that work may begin on this project.

If you have any questions concerning this program, please contact Michael Land in our San Diego Project Office, at (619) 225-6168. If you have any administrative questions, please contact Irene Rios or Edward Bonifacio, at (619) 225-6156/6428.

Sincerely,



Eric G. Reichard
Director
USGS California Water Science Center

Enclosures

cc: Michael T. Land, USGS CAWSC

Form 9-1366
(Oct. 2005)

**U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement**

Page 1 of 2
Customer #: CA217
Agreement #: 10W4CAD21700, A1
Project #:
TIN #: 95-6006456
Fixed Cost Agreement Yes No

**FOR
WATER RESOURCES INVESTINGATIONS**

THIS AGREEMENT is entered into as of the 19th day of April, 2011, by the U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA, party of the second part.

1. The parties hereto agree that subject to availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation for installation of four multiple-completion ground-water monitoring sites in the Central and West Coast Basins., herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50; and 43 USC 50b.
2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) includes In-Kind Services in the amount of \$0.

(a) \$101,400.00 by the party of the first part during the period
January 1, 2010 to December 31, 2011

(b) \$0 by the party of the second part during the period
January 1, 2010 to December 31, 2011

USGS DUNS is 1761-38857. The amounts in both 2(a) and 2(b) above are for the FFY2011 portion of this agreement only. Total WRDSC funding for this agreement, including this amendment is \$2,000,000.00. Total USGS funding for this agreement, including this amendment is \$101,400.00.

- (c) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
- (d) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.
3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.
4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.
5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.
6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.
7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

Form 9-1366
continued

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement

Customer #: CA217
Agreement #: 10W4CAD21700, A1
Project #:
TIN #: 95-6006456

- 8. The maps, records, or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records, or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program and, if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at costs, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records, or reports published by either party shall contain a statement of the cooperative relations between the parties.
- 9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered quarterly. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983).

U.S. Geological Survey
United States
Department of the Interior

WATER REPLENISHMENT DISTRICT OF
SOUTHERN CALIFORNIA

USGS Point of Contact

Customer Point of Contact

Name: Edward N. Bonifacio
Address: 6000 J Street, Placer Hall
Sacramento, California 95819-6129
Telephone: 619-225-6428
Email: ebonifacio@usg.gov

Name: Ted Johnson
Address: 4040 Paramount Boulevard
Lakewood, California 90712
Telephone: 562-275-4240
Email: tjohnson@wrd.org

Signatures

Signatures

By _____ Date _____
Name: Eric G. Reichard
Title: Director, USGS California Water
Science Center

By _____ Date _____
Name:
Title:

By _____ Date _____
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