

**SPECIAL MEETING OF THE WATER RESOURCES COMMITTEE  
OF THE BOARD OF DIRECTORS  
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA  
12621 E. 166th Street (corner of Bloomfield & 166th), Cerritos, California  
9:00 A.M., MONDAY, DECEMBER 11, 2006**

**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 NOVEMBER 2, 2006**  
*Staff Recommendation:* Approve the minutes as submitted.
- 4. BASIN UPDATE**  
*Staff Recommendation:* For information.
- 5. WATER CONSERVATION PROGRAMS**  
*Staff Recommendation:* For information.
- 6. RECYCLED WATER PROGRAM UPDATE**  
*Staff Recommendation:* For information.
- 7. CENTRAL BASIN TITLE 22 DRINKING WATER MONITORING PROGRAM - LABORATORY CONTRACT**  
*Staff Recommendation:* Approve a three-year agreement, subject to approval of form by District Counsel, with TestAmerica Analytical Testing Corporation for sample collection and laboratory services for the Central Basin Title 22 Drinking Water Monitoring Program for an amount not to exceed \$288,817 per year.
- 8. BAY DELTA AUTHORITY UPDATE**  
*Staff Recommendation:* For information.
- 9. DIRECTORS REPORTS, INQUIRIES, DIRECTIONS TO STAFF**  
*Staff Recommendation:* For information.
- 10. ADJOURNMENT**

Posted by Abigail C. Andom, Deputy Secretary, December 7, 2006.

UNAPPROVED  
MINUTES

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MINUTES

**MINUTES OF NOVEMBER 2, 2006  
MEETING OF THE WATER RESOURCES COMMITTEE  
OF THE BOARD OF DIRECTORS  
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

The regular meeting of the Water Resources Committee of the Board of Directors of the Water Replenishment District of Southern California was held on November 2, 2006 at 9:20a.m., at the District Office, 12621 E. 166th Street, Cerritos, California. Director Pat Acosta called the meeting to order. Director Rob Katherman arrived while the meeting was in progress and presided thereafter. Senior Administrative Assistant Sheryll Petty recorded the minutes.

**1. DETERMINATION OF A QUORUM**

Attendees at the meeting were as follows:

Committee: Directors Pat Acosta and Robert Katherman  
Staff: Mario Garcia, Ted Johnson, Jason Weeks  
Public: Brian Ragland, City of Downey, Harvey de la Torre, WBMWD,  
Tony Zampiello, Main San Gabriel Basin Watermaster

**2. PUBLIC COMMENT**

None.

The agenda items were taken out of order.

**9. LEO J. VANDER LANS WATER TREATMENT FACILITY UPDATE**

Dr. Paul Fu, Senior Engineer, stated the emergency repairs at the LVL Facility included the repair of a damaged pipeline which involved installing a new isolation valve. The valve was installed on October 10<sup>th</sup>. A leak developed in the new valve and a new gasket was installed on October 23<sup>rd</sup> to stop the leak. A pressure test the following day showed that the pipeline was sealed and no subsequent leak was observed. Due to ongoing leak repairs at the barrier wells by the LACDPW there remains only a partial demand at this time. The demand only allows injection with either imported water or recycled water. Staff is coordinating with the County to allow injection with only recycled water until their repairs are complete.

Dr. Fu stated that the County is meeting today and staff expects to hear back from them this afternoon. Director Acosta stated that the County needs to understand the urgency in making their decision today. She asked that staff give her an update later in the day on the County's work at the Barrier.

## **8. WEST COAST BASIN OPERATING PLAN STUDY UPDATE**

Mr. Jason Weeks, Senior Engineer, stated that the District has been proceeding with the West Coast Basin Operating Plan Study as a means to evaluate alternative management scenarios that may result in operational efficiencies while maintaining the integrity of the West Coast Basin. Staff has met with basin stakeholders, and solicited input from the District's Water Resources committee, the Board of Directors, District staff and the TAC. Three possible scenarios were developed from these meetings: 1) fill up the basin during periods of surplus water; 2) using existing barrier facilities to raise water levels and then sucking that water out of the bank when there are dry periods; or 3) filling up the basins within the aquifer storage and recovery wells to raise water levels to maintain production in the basin and reducing the groundwater extractions in the basin particularly in the Dominguez Gap area wherein exists concentrated pumping by local refineries. Staff suggested that working with WBMWD to get the refineries to use recycled water would help to achieve WRD's objectives.

The study scenarios were summarized and included in a report to the TAC. The draft report will be posted on the District's website. Staff would like to have the consultant, CH2MHILL, do a presentation at the November 15, 2006 Board meeting. Mr. Weeks stated that President Murray attended the last meeting of the TAC at which time he had several questions and was brought up to date.

## **4. GROUNDWATER BASINS OVERVIEW - MAIN SAN GABRIEL BASIN**

Mr. Mario Garcia, Assistant General Manager/Chief Engineer, noted that because of the Judgment workshops over the past few months, the basin overview item had been put on hold. Staff was re-instituting the item by inviting Mr. Tony Zampielo, Assistant Executive Office of the Main San Gabriel Basin Watermaster (MSGBW), to provide an overview of the Main San Gabriel Basin. Mr. Zampielo stated that the surface area of the Main Basin is approximately 167 square miles and the fresh water storage capacity of the basin is approximately 8.6 million acre-feet. It is an adjudicated groundwater basin which means that all actions are under continuing court jurisdiction. Director Katherman asked from what sources does the Main Basin get its water. Mr. Zampielo responded that the MSGWM relies heavily on natural replenishment but MWD water is also available.

Mr. Zampielo stated that groundwater contamination is a major issue in the basin and that they first found Volatile Organic Compounds (VOCs) in their basin in the early 1980s. Director Katherman asked if the Main Basin's aquifers were in layers similar to the District's. Mr. Zampielo said they were not – they are unconfined which makes them easy to replenish but also easy to contaminate. He also pointed to the effort over many years to work out a solution among the parties suspected of causing the contamination and the water interests of the basin. Some of the cleanup projects that came out of those negotiations are now being implemented and in operation.

**3. MINUTES OF THE JOINT MEETING OF THE GROUNDWATER QUALITY COMMITTEE AND WATER RESOURCES COMMITTEE OF AUGUST 10, 2006 AND MINUTES OF THE MEETING OF SEPTEMBER 14, 2006**

The minutes were approved as submitted upon a motion duly made by Director Acosta and seconded by Director Katherman.

**5. RECYCLED WATER AT SPREADING GROUNDS UPDATE**

Mr. Ted Johnson, Chief Hydrogeologist, stated that staff has been working on multiple fronts to explore the increased use of recycled water at the spreading grounds. Current regulatory requirements limit the use to 50,000 acre feet per year (afy) on average, but another 50,000 afy of high quality, tertiary-treated recycled water is being unused and lost to the ocean. If the District could add this water to the spreading grounds supply, it would reduce the need to purchase imported water. Staff has been testing one compound in particular, TOC or Total Organic Carbon. WRD staff needs to show the regulators that the pollutants get degraded during the percolation process. He stated that there is naturally occurring TOC in MWD imported water.

Staff is starting a research project today at the spreading grounds to put recycled water into a small basin to allow sampling as the water percolates. The samples will be analyzed by Dr. Jorg Drewes at the Colorado School of Mines. Results are expected in three months.

Mr. Johnson stated that staff has a second research project in the Inland Empire to track the health risks of humans who consume water with trace levels of pharmaceuticals. This is a multi-year project.

**11. DISTRICT NAME CHANGE**

Mr. Johnson stated that when speaking with elected officials and the general public, the District's current name is sometimes difficult to comprehend and does not fully reflect the District's mission. Counsel has advised that the name can be changed but feels that the word "replenishment" may have to remain in the name as it is reflective of what the District does. Director Katherman noted that it is most important to change the word "water" to "groundwater". Staff will follow up with Counsel regarding any legal restrictions as well as making sure that any name changes being considered are not already in use by another agency.

**6. WALNUT PARK MUTUAL WATER COMPANY STORAGE PROGRAM CEQUA**

Earlier this year, Walnut Park Mutual Water Company (WPMWC) submitted an application to the District for a conjunctive use dry year storage project. Pursuant to the District's *Interim Rules for Conjunctive Use Storage and In-Lieu Exchange and Recovery in the Central and West Coast Basins*, the project was brought before the Program Review Committee (PRC). During the PRC review process, WPMWC updated its environmental documentation and completed the Initial Study/Negative Declaration. The WPMWC Storage Program was

subsequently approved by the PRC causing completion of the California Environmental Quality Act Initial Study and Negative Declaration (CEQA IS/ND). District staff posted a Notice of Availability for the IS/ND at the County Clerk office for the required thirty-day period. No comments were received for this project.

After discussion, Director Acosta made a motion to accept staff's recommendation to adopt a Negative Declaration for the Walnut Park Mutual Water Company Conjunctive Use Dry Year Storage Program and Construction/Equipping of a Groundwater Production Well.

**7. WALNUT PARK MUTUAL WATER COMPANY STORAGE PROGRAM AGREEMENT**

Upon completion of CEQA, the District is prepared to enter into a storage agreement with WPMWC for the dry-year storage program. The accompanying Resolution No. 06-777 for the committee's consideration will formalize the project approval process as outlined in the Interim Rules.

Director Acosta moved to approve staff's recommendation to adopt Resolution No. 06-777 and Director Katherman seconded the motion.

**10. CH2MHILL CONTRACT EXTENSION**

Mr. Garcia noted that this item is associated with the West Coast Basin Operating Plan Study. The request seeks extension of the contract term to June 30, 2007 with no increase in the contract amount.

The committee approved staff's recommendation to amend the agreement with CH2MHILL to extend the termination date for the West Coast Basin Operating Plan Study to June 30, 2007. This item will be a part of the Consent Calendar at the next Board Meeting.

**13. BAY DELTA AUTHORITY UPDATE**

Director Acosta stated that BDPAC members have been asked to review the structure for 2007. She stated that there used to be a subcommittee that was just watershed, which now has been dissolved even though it was one of the more highly rated. She stated that this will be a big issue as to why it was eliminated. Director Acosta also stated her preference to be placed on the Water Supply Committee.

**12. SALT WATER INTRUSION CONFERENCE SUMMARY**

Mr. Johnson attended the "First International Joint Salt Water Intrusion Conference" in September in Sardinia, Italy. At the conference, he gave a presentation entitled "Injection Wells to Halt Salt Water Intrusion in Los Angeles County, California".

Mr. Johnson said that there were over 200 attendees representing 40 countries. Topics at the conference included intrusion barriers, geochemistry, geophysics, modeling, and human impact. He said that Mr. Jim Burton of PSOMAS also gave a presentation entitled "Seawater Barrier Demonstration Project Using a Physical Deep Soil Mix Wall (Alamitos Barrier).

Mr. Johnson said that Los Angeles and Orange County have the largest and most advanced barrier systems in the world. Many countries would like to duplicate it but lack of money and political will prevent it thus far. Most countries deal with the problem by shutting off wells when they become salty and drill new wells further inland.

He said that research techniques to identify intrusion are plentiful. The District is testing the application of one for the saline plume in the Torrance area.

The committee requested that Mr. Johnson give this summary presentation to the Board of Directors at its December meeting.

**14. DIRECTORS' REPORTS, INQUIRIES, AND DIRECTIONS TO STAFF**

Director Acosta has been giving outreach presentations to newly elected council members. The presentations have included an overview of WRD and also of the District's Water Independence Network (WIN) initiative. Director Katherman requested that the committee review these presentations at its next meeting.

Director Katherman also requested an update at the December committee meeting on water conservation programs that the District is co-sponsoring with other agencies. He also would like an update on recycled water use from the Whittier Narrows Water Reclamation Plant and ongoing discussions with LA County Sanitation Districts.

The Committee will meet next month on Monday, December 11, 2006 at 9:00 a.m.

**15. ADJOURNMENT**

With no further business for the Committee, the meeting was adjourned at 11:01 a.m.

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Chairperson

ATTEST:

\_\_\_\_\_  
Director



**MEMORANDUM**

**ITEM NO. 4**

Prepared by: Ted Johnson  
Reviewed by: Mario Garcia

**DATE: DECEMBER 11, 2006**  
**TO: WATER RESOURCES COMMITTEE**  
**FROM: ROBB WHITAKER, GENERAL MANAGER**  
**SUBJECT: BASIN UPDATE**

**SUMMARY**

Staff will provide an update on the replenishment activities and groundwater conditions in the Central and West Coast Basins. Below is a summary:

Precipitation (at DPW Station #716 – Los Angeles Ducommun Street):

- 13.45" Oct 1, 2005 – Sep 30, 2006 (87% of normal annual amount of 15.5")

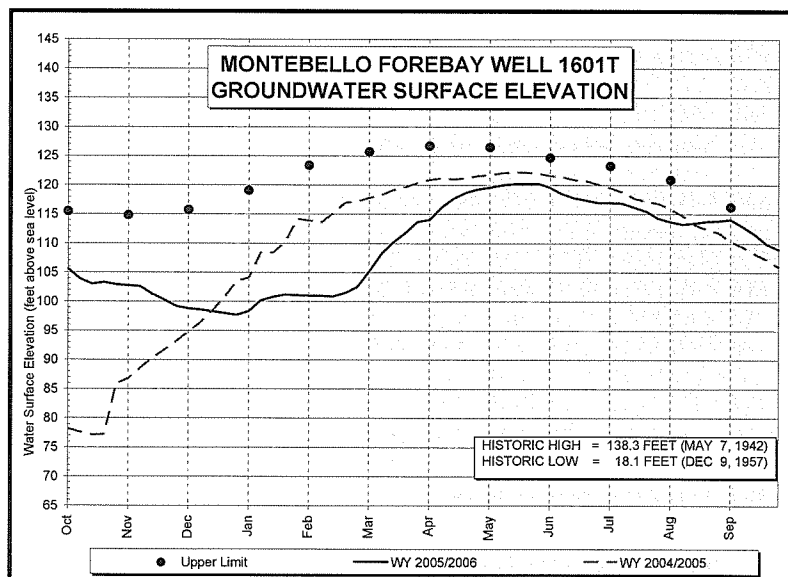
Pumping (October 2005 – September 2006)

- Central Basin: 191,034 AF (2,300 AF more than previous year).
- West Coast Basin: 36,714 AF (4,500 AF less than previous year).
- Total WY Pumping: 227,748 AF (2,200 AF less than previous year).

Note: According to interviews with some pumpers, production was down due to oil refinery reductions in pumping, mechanical problems with wells, and some water quality issues.

Water Levels in Montebello Forebay Key Well 1601T:

- Groundwater elevations at the end of the Water Year (September 30, 2006) were 3 feet higher than the previous year. The following chart shows the past two years.



Montebello Forebay Spreading Grounds (Water Year 2005/06)

- Imported Water: 33,229 AF (40,360 budgeted)
- Recycled Water: 42,022 AF (60,000 budgeted)
- Local Water (runoff): 60,377 AF (50,000 long term average)
- Total Water Conserved: 135,628 AF (14,732 AF less than planned)

The amount of imported water included the annual plan of 27,600 AF plus 12,760 AF carryover from undelivered water from the previous water year. The undelivered imported water will be carried over into the current year. Recycled amounts were not met due to construction activities in the grounds and continued reduction of flows due to loss of Whittier Narrows Plant water and water quality operations. Runoff amounts were higher in part due to the increased conservation pool and new rubber dams.

Seawater Barriers (Water Year 2005/06):

- Imported Water: 14,298 AF (16,200 AF budgeted)
- Recycled Water: 6,620 AF (20,000 AF budgeted)
- Total Water Year Injected: 20,918 AF (15,282 AF less than budgeted)

Barrier amounts, especially recycled water, were lower than planned due to delays in getting the WBMWD recycled water amounts increased, the City of LA diluting half of its recycled water with imported water at the Dominguez Gap Barrier due to operational issues, and the unplanned outage of the Alamitos Barrier starting in April 2006.

Other Matters Regarding Recharge and the Groundwater Basins:

- Deliveries of imported spreading water have been maximized at the start of the water year during its availability, and staff anticipates no problems with full delivery of amounts scheduled for the current year and last year carryover water.
- Outage of the Alamitos Barrier due to a leaky pipeline and vault is expected to be completed by the end of December.

**FISCAL IMPACT**

None at this time.

**STAFF RECOMMENDATION**

For information.





## MEMORANDUM

ITEM NO. 5

*Prepared by:* Elsa Lopez

*Reviewed by:* Suja Lowenthal

**DATE:** DECEMBER 11, 2006  
**TO:** WATER RESOURCE COMMITTEE  
**FROM:** ROBB WHITAKER, GENERAL MANAGER  
**SUBJECT:** WATER CONSERVATION PROGRAMS

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### SUMMARY

WRD's Conservation program consists of three major programs: (1) High Efficiency Toilet (dual flush) Toilet Program, (2) Commercial/Industrial Rebate Program and (3) the Jardineros Ecologicos (Eco Gardener) Gardener Training Program. Under these programs, WRD works cooperatively with municipal water districts, Metropolitan Water District and others to provide established incentives to business owners and residents to utilize water-saving products.

**High Efficiency Toilet Program** – Last year, over 3,500 HETs were distributed at five community events for a savings of over 1,819,440,000 gallons of water. This year, the HET distribution season started with a 1000 HET distribution in the City of Lawndale. Future distribution events will be scheduled for the Spring of 2007. Partnerships include West Basin MWD, Central Basin MWD, Metropolitan Water District of Southern California and community groups and/or schools.

**Commercial Rebate Program** – Last year, due to the municipals separation, WRD contributed a total of \$6,500 in rebates just in the last week of June. This year, partnerships with the municipals, MWD's consultant Honeywell Inc., The Gas Company and Edison will enable WRD to contribute more to the rebate program allowing for businesses throughout the district to utilize water-saving products for an enormous savings.

**Jardineros Ecologicos** – Last year, the pilot program finished with great success and great opportunities for new and expanding partnerships. A partnership with Rio Hondo College opened doors with East Los Angeles College and Harbor Community College. In the South Bay area, we have met with the South Bay Latino Chamber of Commerce to implement outreach in the South Bay cities and trainings at their location in Hawthorne. A meeting is also under way with Los Angeles Unified School District's Assistant Superintendent of Adult Education to establish a partnership with LAUSD and implement the business aspect of the training program in their adult schools within the WRD service area. In addition, WRD is in partnership with the William C. Velasquez Institute which has offered matching funds for WRD to conduct outreach in the southeast part of the District.

**FISCAL IMPACT**

Program is budgeted in FY 2006-07.

**STAFF RECOMMENDATION**

For information.



## MEMORANDUM

ITEM NO. 6

*Prepared by:* Ted Johnson

*Reviewed by:* Mario Garcia

**DATE:** DECEMBER 11, 2006  
**TO:** WATER RESOURCES COMMITTEE  
**FROM:** ROBB WHITAKER, GENERAL MANAGER  
**SUBJECT:** RECYLED WATER PROGRAM UPDATE

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### SUMMARY

At its November meeting, the committee requested that a discussion be held on the status of the Whittier Narrows Water Reclamation Plant (WNWRP) and staff's discussions with the Sanitation Districts on future water deliveries and pricing structure.

Recently, a County park irrigation project near the WNWRP began receiving recycled water previously delivered to WRD for spreading in the Montebello Forebay. WRD is seeking to replace reduced deliveries from WNWRP with excess capacity from the nearby San Jose Creek WRP (SJCWRP). Talks with Sanitation Districts staff have been ongoing to discuss potential contract terms and partnership opportunities for projects that could increase the use of recycled water at the Montebello Forebay.

Staff will provide the committee with additional details of these discussions.

### FISCAL IMPACT

None at this time.

### STAFF RECOMMENDATION

For information.



## MEMORANDUM

ITEM NO. 7

*Prepared by:* Hoover Ng

*Reviewed by:* Ted Johnson

**DATE: DECEMBER 11, 2006**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: CENTRAL BASIN TITLE 22 DRINKING WATER MONITORING PROGRAM - LABORATORY CONTRACT**

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### SUMMARY

The Central Basin Municipal Water District (CBMWD) has been administering the Title 22 Groundwater Monitoring Program for various groundwater pumpers for over 10 years. This program oversees the regulatory requirements for monitoring, and includes 1) scheduling the collection and analysis of samples, 2) coordinating the submittal of results to the State Department of Health Services, and 3) preparation of the annual Consumer Confidence Reports. Twenty-eight pumpers with 147 wells within the Central Basin participated in this voluntary program in 05-06.

The CBMWD has offered to transfer this program to the Water Replenishment District of Southern California (WRD) to be effective January 1, 2007. Their contract with the current laboratory, TestAmerica Analytical Testing Corporation, expires on December 31, 2006. CBMWD has indicated that their mission statement, programs and projects focus more on imported and recycled water and that groundwater monitoring would be more consistent with WRD's mission statement and programs. WRD staff recommends assuming the responsibility for this program because it is consistent with the District's responsibilities for groundwater basin management. WRD administration and reporting of the Title 22 Program will assimilate very well into the District's current Regional Groundwater Monitoring Program.

WRD has estimated the administrative cost of this program to be \$385 per well plus laboratory fees for sample collection and chemical analyses. WRD can administer this Program at a minimal cost to the pumpers due to our streamlining of database management, elimination of the annual report to reduce redundancy with our existing Regional Groundwater Monitoring Report, and elimination of regulatory updates under this program since they are already provided by staff under other programs. On November 30, 2006 WRD held a workshop with the pumpers and presented the Program information to them.

Similar to CBMWD's Program, the laboratory fees will be a passed directly to the participating pumpers without markup by WRD. A Request for Proposals was issued to 12 qualified laboratories on November 6, 2006 to provide the services. Five proposals were received and evaluated based on understanding of the scope of work, laboratory qualifications and experience, project team, electronic data deliverable system and cost of services (Table 1).

Three staff members and 2 pumpers (City of Lakewood and Montebello Land and Water Co) reviewed these proposals. Estimated laboratory costs for Title 22 sampling ranged from \$87,251 (TestAmerica) to \$187,793 (Columbia Analytical) per year, based on continuing with the 147 wells currently in this program. There will be also be additional costs for non-Title 22 sampling that may be required, including notification levels and unregulated contaminant monitoring, but the exact number or costs can not be determined at this time pending EPA and DHS decisions. These additional costs will be passed directly to the participants.

Based on the review of the proposals, it is recommended to award the contract to TestAmerica Analytical Testing Corporation since they were the most qualified laboratory for the services that WRD is seeking and were at the lowest cost. The contract would be for 3 years at an amount of \$262,561 per year (\$87,251 for the required Title 22 sampling and up to \$175,310 for the non-Title 22 sampling), plus a ten percent contingency of \$26,561 for a maximum contract amount of \$288,817 per year. All of these lab costs will be passed to the participants for reimbursement.

| <b>Laboratories that Received Requests for Proposals</b> |                      |
|----------------------------------------------------------|----------------------|
| 1. Advanced Technology                                   | 7. FGL Environmental |
| 2. Babcock                                               | 8. Michelson         |
| 3. Calscience Environmental                              | 9. MWH *             |
| 4. Clinical                                              | 10. TestAmerica*     |
| 5. Columbia Analytical Services*                         | 11. Truesdail*       |
| 6. EMAX                                                  | 12. Weck*            |

\* - Laboratories with an asterisk submitted a proposal for evaluation.

**FISCAL IMPACT**

There will be no net cost to WRD. Pumpers participating in the Program will pay all lab fees. WRD will pay the laboratory invoices and participants will reimburse WRD. This new program has not been budgeted in WRD’s FY06/07 budget.

**STAFF RECOMMENDATION**

Approve a three-year agreement, subject to approval of form by District Counsel, with TestAmerica Analytical Testing Corporation for sample collection and laboratory services for the Central Basin Title 22 Drinking Water Monitoring Program for an amount not to exceed \$288,817 per year.