SPECIAL MEETING OF THE WATER RESOURCES COMMITTEE
OF THE BOARD OF DIRECTORS
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
4040 PARAMOUNT BOULEVARD, LAKEWOOD, CALIFORNIA 90712
11:00 A.M., WEDNESDAY, SEPTEMBER 16, 2015

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 AUGUST 13, 2015
   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. NO COST 2-YEAR TIME EXTENSION TO THE AGREEMENT WITH THE
   COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT AND ORANGE
   COUNTY WATER DISTRICT ASSOCIATED WITH THE ALAMITOS
   SEAWATER BARRIER PROJECT
   Staff Recommendation: Authorize the General Manager to execute a no-cost,
   2-year time extension to Agreement No. 74570 with the County of Los Angeles
   Flood Control District and Orange County Water District regarding recycled water
   deliveries to the Alamitos Seawater Barrier Project, subject to approval of form by
   District Counsel.
7. 2-YEAR TIME EXTENSION TO THE AGREEMENT WITH THE COUNTY OF
   LOS ANGELES FLOOD CONTROL DISTRICT AND CITY OF LOS ANGELES
   DEPARTMENT OF WATER AND POWER ASSOCIATED WITH THE
   DOMINGUEZ GAP SEAWATER BARRIER PROJECT
   Staff Recommendation: Execute a 2-year extension to the agreement with the
   County of Los Angeles Flood Control District and City of Los Angeles
   Department of Water and Power associated with Dominguez Gap Seawater
   Barrier Project, subject to approval of form by District Counsel.
8. WATER RESEARCH FOUNDATION MEMBERSHIP RENEWAL
   Staff Recommendation: Renew membership with the Water Research
   Foundation in the amount of $54,691.00 for the period of October 2015 to
   September 2016. This is a budgeted item.
9. **ADOPTION OF RESOLUTION NO. 15-1019 FOR PROCUREMENT OF SCADA SYSTEM SOFTWARE FOR THE ROBERT W. GOLDSWORTHY DESALTER EXPANSION PROJECT**  
*Staff Recommendation:* Adopt Resolution No. 15-1019 to authorize the General Manager to include in the invitation to bid for the expansion of the Robert W. Goldsworthy Desalter a specification identifying Wonderware System Platform manufactured by Schneider Electric as the SCADA software for this project.

10. **UPDATE ON VANDER LANS FACILITY OPERATIONS AND CONTRACT AMENDMENT FOR SEPARATION PROCESSES, INC.**  
*Staff Recommendation:* Approve a contract amendment with Separation Processes, Inc. to include additional support on operations of the Leo J. Vander Lans Facility, subject to approval of form by District Counsel, with an additional not-to-exceed amount of $90,000 and to extend the contract expiration date to December 31, 2016.

11. **NO COST TIME EXTENSION WITH CDM SMITH**  
*Staff Recommendation:* Approve a no cost time extension contract amendment with CDM Smith, extending the term to June 30, 2016, subject to approval of form by District Counsel.

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

13. **ADJOURNMENT**  
The Water Resources Committee will adjourn to its next regular meeting currently scheduled for October 8, 2015 at 11:00 a.m.

Agenda posted by Deputy Secretary Abbie Andom on September 15, 2015.

---

In compliance with the Americans with Disabilities Act (ADA), if special assistance is needed to participate in the Board meeting, please contact Chief Financial Officer Scott Ota 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.

EXHAUSTION OF ADMINISTRATIVE REMEDIES – If you challenge a District action in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the Deputy Secretary at, or prior to, the public hearing. Any written correspondence delivered to the Chief Financial Officer before the District’s final action on a matter will become a part of the administrative record.
MINUTES OF AUGUST 13, 2015
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 Thursday, August 13, 2015 at 11:10 a.m., at the District Office, 4040 Paramount Boulevard, Lakewood, California 90712. 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 Rob Katherman and John D. S. Allen
   Staff: Ken Ortega, Ted Johnson, Jason Weeks, Everett Ferguson,
          Jim McDavid, Charlene King

2. PUBLIC COMMENT
   None.

3. MINUTES OF THE SPECIAL MEETING OF JULY 14, 2015
   The minutes were approved as submitted.
   The agenda items were taken out of order.

11. GROUNDWATER RELIABILITY IMPROVEMENT PROJECT (GRIP) UPDATE
    Senior Engineer Jim McDavid provided an update on the Groundwater Reliability Improvement Project (GRIP). Mr. McDavid stated that the contractor, J.F. Shea, commenced work on the turnout structures and clearing, grubbing, and scraping work along the unlined portion of the San Gabriel Coastal Spreading Grounds (turnout structure No. 2) are actively underway. He added that the contractor also ordered fabrication and coating of the steel pipe assembly that will be installed as part of the turnout structure 001B scope of work.

    Assistant General Manager Ken Ortega stated that staff also received its much awaited and anticipated Army Corps of Engineers (ACOE) 404 Permit which will allow installation of the aforementioned pipe assembly when it arrives on-site. Mr. Ortega stated that the ACOE 404 Permit requires that all work within the San Gabriel River be completed by October 15. He informed the Committee that the Request for Qualification (RFQ) for the design-build entity, previously approved by the Board, was released on August 10 with a mandatory pre-proposal meeting scheduled on August 18. He added that the Request for Bids (RFB) to retain a contractor to perform deconstruction activities at the GRIP property site will be released next week. He also noted that the State Revolving Fund (SRF) funding
and terms of the loan are on target to be completed in late October or early November.

4. GROUNDWATER BASIN UPDATE
Senior Hydrogeologist Everett Ferguson provided an update on the groundwater conditions in the Central and West Coast Basins. Mr. Ferguson highlighted the following:

- Precipitation – there has been approximately 9.43 inches of rainfall since the start of the Water Year on October 1, 2014. Normal for this time of year is 15.27 inches so the District is 62% of normal.
- Groundwater levels - groundwater levels in Central Basin Key Well 1601T decreased 2.1 feet in July; West Coast Basin Key Well Carson #1 decreased 2.3 feet this past month.
- Montebello Forebay Spreading Grounds – 34,160 acre-feet of recycled water was recharged through June, below the target amount of 41,250 acre-feet. Through the end of June, 16,359 acre-feet of stormwater was captured and spread by the L. A. County Department of Public Works. Through the end of April, 18,511 acre-feet of imported water has been delivered to the Central Basin. Staff continues to work with Central Basin Municipal Water District (CBMWD) and Metropolitan Water District (MWD) to receive additional imported water for replenishment.
- Seawater Barrier – West Coast Barrier used 2,332 acre-feet of imported water and 8,537 acre-feet of recycled water or 79% recycled water; Dominguez Gap Barrier used 2,776 acre-feet of imported water and 3,330 acre-feet of recycled water or 55% recycled water; Alamitos Barrier used 3,186 acre-feet of imported water and only 329 acre-feet of recycled water due to operational and seasonal issues at the expanded Vander Lans Facility and recycled barrier demands during the In-Lieu program with the City of Long Beach.
- In-Lieu Replenishment – through the end of June, approximately 12,723 acre-feet were replenished through the In-Lieu program with the City of Long Beach.
- Pumping – preliminary numbers for groundwater production through May indicate that 134,306 acre-feet were pumped compared to 154,244 acre-feet the year previous or a decrease of 19,938 acre-feet or 12.9%.

The Committee thanked Mr. Ferguson for his report, and requested an update of the Leo J. Vander Advanced Water Treatment Facility at next month’s meeting.

5. DISTRICT PRECIPITATION ANALYSIS AND REVIEW
At the Committee’s request, Chief Hydrogeologist Ted Johnson provided an analysis of mean versus median precipitation amounts. Mr. Johnson explained that mean is synonymous with average, and median is the middle number in a set of data.
Mr. Johnson stated that both mean and median can be used to represent typical precipitation values for a region. He noted that mean values are more commonly used by federal, state, and local agencies, including WRD, to represent average precipitation rather than median. For the precipitation history of the District, the median is always lower than the mean by about one or two inches and both the mean and median values for the past 10 years are lower than longer averaging periods.

Mr. Johnson also discussed an evaluation of the Cumulative Departure from the Mean (CDM) value. He explained that the method is used to determine longer term wet and dry cycles or patterns. Over a defined period of time, the method subtracts the mean value from the yearly rainfall, and produces a running total of those values. Where the results are negative, there is a rainfall deficit. Where the results are positive, there is a rainfall surplus. He noted that the CDM chart for the 89-year history of the District showed several wet and dry cycles, including a 30-year dry period between 1945 and 1977 and the current dry period that started in 1998.

Mr. Johnson concluded his presentation with the latest meteorological forecast of a strong, “Godzilla” El Niño coming to California. He stated that it is anticipated that rainfall could be heavy and warm at times, leading to significant recharge at the spreading grounds but could also result in potential flooding and landslides in the foothills. He cautioned that the forecast of a wet year may do little to relieve the drought because the precipitation is expected to be warm and keep to the southern part of the state. There will not be sufficient snowpack nor filling up of the reservoirs in northern California.

The Committee thanked Mr. Johnson for his report and requested that an update be presented at the September 17, 2015 Board meeting.

6. **NO COST TIME EXTENSION WITH USGS FOR GROUNDWATER MODELING**

The Committee unanimously recommended the Board authorize the General Manager to execute a no-cost time extension contract amendment with the United States Geological Survey for groundwater modeling work, extending the term to September 30, 2016, subject to approval of form by District Counsel.

7. **GENERAL BUILDING MAINTENANCE SERVICES**

The Committee unanimously recommended the Board reject all bids and authorize the issuance of a Request for Qualifications for As-Needed General Building Maintenance Services at the District Administration building.
8. AWARD OF CONTRACT FOR LANDSCAPE MAINTENANCE SERVICES
The Committee unanimously recommended the Board approve a three-year contract for Landscape Maintenance Services to Valley Crest Landscape Maintenance for an amount not to exceed $26,500 per year, subject to approval of form by District Counsel.

9. WEST BASIN MUNICIPAL WATER DISTRICT RECYCLED WATER PURCHASE AGREEMENT
Manager of Water Resources Jason Weeks provided an update of West Basin Municipal Water District’s (WBMWD) Edward C. Little Water Recycling Facility Phase V expansion, a summary of recycled water deliveries for injection at the West Coast Barrier since the 2007 agreement with WBMWD, and the status of WRD and WBMWD’s efforts to achieve 100% recycled water at the West Coast Barrier.

10. DROUGHT UPDATE
Mr. Weeks presented data from the State Water Resources Control Board on June 2015 water conservation efforts by water suppliers in California reflecting goals versus actuals. He noted that most of the water suppliers in WRD’s service area have been successful in meeting the Governor’s mandated 25% reduction in water consumption.

12. DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF
The next Water Resources Committee is scheduled to meet on Wednesday, September 16, 2015 at 11:00 a.m.

13. ADJOURNMENT
With no further business for the Committee, the meeting was adjourned at 12:40 p.m.

__________________________
Chair

ATTEST:

__________________________
Member
DATE: SEPTEMBER 16, 2015

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: GROUNDWATER BASIN UPDATE

SUMMARY
Staff monitors groundwater conditions in its service area throughout the year. A summary of the latest information is presented below.

Precipitation
The WRD precipitation index reports that as of September 3, 2015, there has been 9.43 inches of rainfall since the start of the Water Year on October 1, 2014. Normal for this time of year is 15.87 inches, so the District is 59.42% of normal. Over 90% of the State continues to be under severe to exceptional drought conditions as reported by the U.S. Drought Monitor (as of September 1, 2015).

Groundwater Levels
Groundwater levels in key monitoring wells are shown in the hydrographs below. Central Basin Key Well 1601T is between the two spreading grounds and rises rapidly with rainfall and replenishment but falls sharply during dry spells and lack of replenishment. Groundwater levels in the well decreased 3.5 feet in August. West Coast Basin Key Well Carson #1 is in the confined aquifers and does not respond readily to rainfall but instead to changes in pumping patterns and barrier recharge. Water levels increased 0.23 feet this past month.
Montebello Forebay Spreading Grounds (July 2015)
The following Chart shows the preliminary spreading grounds replenishment water to date:

Preliminary numbers through July of the current water year show that 37,133 acre-feet of recycled water has been recharged. The 10-year running average of recycled water contribution in the Montebello Forebay is anticipated to be 36% at the end of the Water Year. The regulatory maximum is 45%.

Through the end of July, approximately 15,614 acre-feet of stormwater have been captured and spread by the Los Angeles County Department of Public Works (DPW).

Through the end of April, approximately 18,511 AF of imported water has been delivered to the Montebello Forebay Spreading Grounds for groundwater recharge.
Seawater Barrier Well Injection and Replenishment (July 2015):
The following Chart shows the barrier water injection to date.

Preliminary numbers through July of the current water year show that the West Coast Barrier used 2,426 acre-feet of imported water and 9,953 acre-feet of recycled water, or 80% recycled water. The Dominguez Gap Barrier used 2,958 acre-feet of imported water and 3,569 acre-feet of recycled water, or 55% recycled water. The Alamitos Barrier on the WRD side used 3,561 acre-feet of imported water and only 348 acre-feet of recycled water due to start-up activities of the expanded Leo J. Vander Lans recycled water plant and reduced barrier demands during the In-Lieu Program with the City of Long Beach.

In-Lieu Replenishment Water
Through the end of June, approximately 12,723 acre-feet were replenished through the program with the City of Long Beach.
Pumping (June 2015)
Preliminary numbers for groundwater production in the District through June of the current water year indicate that 152,726 acre-feet were pumped compared to 175,884 acre-feet the year previous, or a decrease of 23,158 acre-feet (-13.2%). In the Central Basin, pumping was 19,749 acre-feet lower than the previous year during the same time period (-13.7%) and the West Coast Basin was down 3,409 acre-feet from the previous year (-10.8%). The Chart below shows the current year pumping versus last year’s pumping.

FISCAL IMPACT
For information.

STAFF RECOMMENDATION
For information.
DATE: SEPTEMBER 16, 2015

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: GROUNDWATER BASINS MASTER PLAN UPDATE

SUMMARY
District staff and its consultants are continuing work on the development of a Groundwater Basins Master Plan (Plan) for the West Coast Basin and Central Basin, and the development of a Programmatic Environmental Impact Report (PEIR) for this Plan.

District staff will provide the Committee with an update of the Groundwater Basins Master Plan and the status of the development of the PEIR.

FISCAL IMPACT
None.

STAFF RECOMMENDATION
For information.
DATE: SEPTEMBER 16, 2015
TO: WATER RESOURCES COMMITTEE
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: NO COST 2-YEAR TIME EXTENSION TO THE AGREEMENT WITH THE COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT AND ORANGE COUNTY WATER DISTRICT ASSOCIATED WITH THE ALAMITOS SEAWATER BARRIER PROJECT

SUMMARY
On August 5, 2003, the District entered into an agreement with the County of Los Angeles Flood Control District (FCD) and the Orange County Water District (OCWD) to allow recycled water deliveries to the Alamitos Barrier Project (Agreement No. 74570). This agreement was subsequently amended on March 31, 2008 to include additional indemnification language (Amendment No. 1) and is set to expire in October 2015.

The FCD wishes to examine the Agreement in detail and make potential modifications to bring it into consistency with its Agreements at the two other barrier projects (Domínguez and West Coast). To allow adequate time for this review and negotiation of potential changes, the FCD requested a 1 year time extension to the existing Agreement which the Board authorized on July 16, 2015. However, since that time, the FCD has determined that a 2-year time extension would be more appropriate, and has requested WRD and OCWD to enter into a 2-year time extension versus the 1-year extension.

FISCAL IMPACT
None. This is a no-cost time extension.

STAFF RECOMMENDATION
Authorize the General Manager to execute a no-cost, 2-year time extension to Agreement No. 74570 with the County of Los Angeles Flood Control District and Orange County Water District regarding recycled water deliveries to the Alamitos Seawater Barrier Project, subject to approval of form by District Counsel.
DATE: SEPTEMBER 16, 2015
TO: WATER RESOURCES COMMITTEE
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: 2-YEAR TIME EXTENSION TO THE AGREEMENT WITH THE COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT AND CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER ASSOCIATED WITH THE DOMINGUEZ GAP SEAWATER BARRIER PROJECT

SUMMARY

On July 31, 2001, the District entered into an agreement with the County of Los Angeles Flood Control District (FCD) and City of Los Angeles Department of Water and Power (LADPW) for reclaimed water service to the Dominguez Gap Barrier Project (Agreement No. 10810). The agreement is set to expire in February 2016.

Staff and District Counsel are working with the FCD and LADPW on a new agreement with several changes that will not be completed by February. To allow adequate time for this review and negotiation of potential changes, the LADPW requested a 1 year time extension to the existing Agreement which the Board authorized on July 16, 2015. However, since that time, the LADPW has determined that a 2-year time extension would be more appropriate, and has requested WRD and FCD to enter into a 2-year time extension versus the 1-year extension.

FISCAL IMPACT
None.

STAFF RECOMMENDATION
Execute a 2-year extension to the agreement with the County of Los Angeles Flood Control District and City of Los Angeles Department of Water and Power associated with Dominguez Gap Seawater Barrier Project, subject to approval of form by District Counsel.
MEMORANDUM

ITEM NO. 8

DATE: SEPTEMBER 16, 2015
TO: WATER RESOURCES COMMITTEE
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: WATER RESEARCH FOUNDATION MEMBERSHIP RENEWAL

SUMMARY

The Water Research Foundation (WRF or Foundation), formerly the American Water Works Association Research Foundation (AwwaRF), sponsors research for all aspects of the drinking water industry, including water resources, supply, quality, and distribution. Much of this research has had direct applicability to WRD's projects and programs as discussed in greater detail below. Membership affords WRD and local purveyors access to and participation in state-of-the-art research developments in the water industry and also maximizes leverage of pooling resources for mutually beneficial projects and investigations. As a member, WRD is also able to submit proposals for new research ideas for consideration by the Foundation.

In recent years, the Foundation has conducted or sponsored research of particular relevance to WRD and our purveyors, including:

- Soil aquifer treatment (SAT) of recycled water used for groundwater recharge;
- Emerging contaminants, including pharmaceuticals, endocrine disruptors, and personal care products – occurrence, toxicological impacts, analytical methods, and methods of treatment and control;
- Climate change and impacts to water supply and water quality;
- Carbon sequestration in geologic structures; t – arsenic, chromium, and perchlorate;
- Desalination;
- Iron and manganese treatment;
- Evaluation of membrane technologies;
- Disinfection byproducts (DBPs);
- Distribution system water quality; and
- Enhanced communication on drinking water issues.

Being a member of the Foundation also allows an opportunity to sit on prestigious Project Advisory Committee (PAC) panels, which provide technical review and guidance on the Foundation's research projects. Recently, WRD staff has and is currently sitting on PAC panels related to Groundwater Recharge Facilities, Carbon Sequestration, and Vadose Zone
Recharge Wells. Sitting on the PAC panel affords the opportunity to guide the research projects to areas directly related to WRD's activities.

Research is funded through subscriber membership fees, which are typically based on the annual amount of water delivered or served to customers. WRD has been a subscriber since 1992. Other subscribers from the local area include the Central and West Basin Municipal Water Districts, Golden State Water Company, the Los Angeles Department of Water and Power, Long Beach Water Department, and the Metropolitan Water District of Southern California.

**FISCAL IMPACT**
For the subscription period of October 2015 to September 2016, the membership fee is $54,691.00. This amount has been included in the current year's budget under Project 006.

**STAFF RECOMMENDATION**
Renew membership with the Water Research Foundation in the amount of $54,691.00 for the period of October 2015 to September 2016. This is a budgeted item.
DATE: SEPTEMBER 16, 2015

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: ADOPTION OF RESOLUTION NO. 15-1019 FOR PROCUREMENT OF SCADA SYSTEM SOFTWARE FOR THE ROBERT W. GOLDSWORTHY DESALTER EXPANSION PROJECT

SUMMARY
The Robert W. Goldsworthy Desalter (the “Desalter”) is a desalination treatment system that produces potable water by utilizing reverse osmosis membranes to remediate extracted brackish (high chloride) groundwater. WRD will be expanding the Desalter from a production capacity of 2.5 million gallons per day (mgd) to 5 mgd to accelerate the remediation of brackish groundwater to further enhance local water supply reliability. The District just completed the construction bid documents, and is expected to advertise for this project soon.

During the recent expansion of WRD’s Leo J. Vander Lans Advanced Water Treatment Facility (LV LAWTF) to increase the amount of recycled water for replenishment at the Alamitos Gap Seawater Intrusion Barrier, Wonderware software manufactured by Schneider Electric was installed as part of the Supervisory Control And Data Acquisition (SCADA) system. To ensure operation compatibility and ease of maintenance, the District desires to expand the Desalter and utilize Wonderware System Platform manufactured by Schneider Electric as the SCADA software to match existing equipment at the LV LAWTF. Using matching equipment will avert the need to stock separate sets of equipment/parts and minimize integration problems associated with non-compatible systems, consequently resulting in cost savings. Furthermore, Wonderware System Platform was evaluated and recommended by ARCADIS, the District’s consultant currently developing the SCADA System Master Plan, as the SCADA software that will meet WRD’s core needs of scalability and operational monitoring that will be required for the District’s future Central Information System, which will include the centralized master SCADA system, Enterprise Asset Management System, Geographic Information System (GIS), and GIS Department.

Pursuant to Public Contract Code (PCC) Section 10129(b)(2), the District is permitted to draft specifications for bid calling for a designated material or product, such as Wonderware System Platform, in order to match WRD’s existing system/equipment. District staff, in consultation with legal counsel, has prepared the attached resolution (Resolution No. 15-1019) containing specific findings required by the PCC. With adoption of Resolution No. 15-1019 by the Board of Directors, District staff will prepare the construction bid documents accordingly for the Desalter expansion project, and commence SCADA equipment procurement.
FISCAL IMPACT
None.

STAFF RECOMMENDATION
Adopt Resolution No. 15-1019 to authorize the General Manager to include in the invitation to bid for the expansion of the Robert W. Goldsworthy Desalter a specification identifying Wonderware System Platform manufactured by Schneider Electric as the SCADA software for this project.
RESOLUTION NO. 15-1019

RESOLUTION OF THE BOARD OF DIRECTORS
OF THE WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
AUTHORIZING THE GENERAL MANAGER TO INCLUDE IN THE INVITATION TO
BID FOR THE EXPANSION OF THE ROBERT W. GOLDSWORTHY DESALTER A
SPECIFICATION IDENTIFYING WONDERWARE SYSTEM PLATFORM
MANUFACTURED BY SCHNEIDER ELECTRIC

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, the remediation of brackish (high chloride) groundwater would aid in
creating a locally sustainable water supply; and

WHEREAS, the District constructed the Robert W. Goldsworthy Desalter (the
"Desalter") to produce 2.5 million gallons per day (mgd) of potable water by utilizing
reverse osmosis membranes to treat extracted brackish groundwater; and

WHEREAS, expansion of the Desalter to a production capacity of 5 mgd would
accelerate the remediation of brackish groundwater to further enhance local water
supply reliability; and

WHEREAS, during the recent expansion of the District's Leo J. Vander Lans
Advanced Water Treatment Facility to increase the amount of recycled water for
replenishment at the Alamitos Gap Seawater Intrusion Barrier, Wonderware software
was installed as part of the Supervisory Control And Data Acquisition (SCADA) system;
and

WHEREAS, the District has, accordingly, begun the process of designing and
planning for the construction to expand the Desalter (the "Project") and intends to invite
and seek bids from contractors for the Project; and

WHEREAS, more specifically, Public Contract Code Section 10129 limits a
public agency, like the District, from drafting or causing to be drafting specifications for
bid "(1) in a manner that limits the bidding, directly or indirectly, to any one specific
concern, or (2) calling for a designated material, product, thing, or service by specifying
a brand or trade name;" and

WHEREAS, Public Contract Code Section 10129(b)(2) permits a public agency
to draft or cause to be drafted specifications for bid calling for a designated material,
product, thing, or service by specifying a brand or trade name "in order to match other products in use on a particular public improvement either completed or in the course of completion;" and

WHEREAS, using Wonderware System Platform manufactured by Schneider Electric as the SCADA system software for the Project would be more economical and efficient by (1) not requiring the integration of non-compatible systems from two different manufacturers, (2) stocking only one set of replacement equipment and parts, and (3) operating and maintaining only one uniform system; and

WHEREAS, the District’s General Manager (1) has reviewed Water Resources Committee’s recommendation to specify Wonderware System Platform manufactured by Schneider Electric as the SCADA system software for the Project as it matches existing equipment at the Leo J. Vander Lans Advanced Water Treatment Facility, will benefit the District and render operation and maintenance of the expanded Desalter following completion of the Project more economical and/or efficient and (2) recommends, accordingly, specifying Wonderware System Platform for the Project.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE WATER REPLENISHMENT DISTRICT DOES HEREBY FIND AND 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 hereby finds that because it will match existing equipment at the Leo J. Vander Lans Advanced Water Treatment Facility, specifying Wonderware System Platform manufactured by Schneider Electric as the SCADA system software for the Project would benefit the District and render operation and maintenance of the Desalter more economical and efficient; and

3. The Board of Directors authorizes the General Manager to identify Wonderware System Platform manufactured by Schneider Electric as the SCADA system software in the specifications for bid for the Project.

[RECORD OF THE VOTE AND SIGNATURES ON THE FOLLOWING PAGE]
PASSED, APPROVED AND ADOPTED this First Day of October 2015 by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA

Sergio Calderon, President

ATTEST:

Rob Katherman, Secretary

APPROVED AS TO FORM:

H. Francisco Leal, District Counsel
DATE: SEPTEMBER 16, 2015
TO: WATER RESOURCES COMMITTEE
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: UPDATE ON VANDER LANS FACILITY OPERATIONS AND CONTRACT AMENDMENT FOR SEPARATION PROCESSES INC.

SUMMARY
The Leo J. Vander Lans Water Treatment Facility (LVLWTF) currently supplies advance-treated recycled water to the Alamitos Seawater Barrier. As part of the District’s Water Independence Now (WIN) initiative, the District seeks to replace all imported water demand at the barriers with advance-treated water. The recently expanded LVLWTF produces recycled water that is capable of satisfying 100% of the injection demand at the Alamitos Barriers.

With the completion of the startup testing of the expanded LVLWTF, the District took over (Long Beach Water – contract operator) operations in February 2015. Since that time, the facility has been operated on an intermittent basis to troubleshoot the plant for warranty repairs items, train operations staff, and optimize performance. A report will be presented to the Committee during the meeting detailing the status of operations, future plans for production, and operational strategies.

The District Board also previously approved an agreement with the Separation Processes Inc. (SPI) in December 2014 followed by an amendment in April 2015 to provide the operator training mentioned above, to assist with plant optimization, and troubleshoot the facility's operational issues during the construction warranty period. Although many identified improvements have already been implemented to optimize the facility's performance, there is a need to adjust the system hydraulics to improve the facility's ability to operate at lower flow rates. In addition, we anticipate additional assistance by SPI will be needed into 2016 to update the standard operating procedures and to continue developing plant optimization strategies. Therefore, staff recommends that the agreement with SPI be amended for an additional $90,000 and the contract expiration date be extended to December 31, 2016.

FISCAL IMPACT
Sufficient funds are budgeted in the operational funds to cover for support on the operations of the Vander Lans Facility.

STAFF RECOMMENDATION
Approve a contract amendment with the Separation Processes, Inc. to include additional support on operations of the Leo J. Vander Lans Facility, subject to approval of form by District Counsel, with an additional not-to-exceed amount of $90,000 and to extend the contract expiration date to December 31, 2016.
DATE: SEPTEMBER 16, 2015

TO: BOARD OF DIRECTORS

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: NO-COST TIME EXTENSION WITH CDM SMITH

SUMMARY
On May 1, 2013, the WRD Board of Directors approved to enter into a professional services agreement with CDM Smith, subject to approval of form by District counsel, for the 30% Design of the GRIP Advanced Water Treatment Facility (AWTF).

The scope of work for this project included the 30% design for the GRIP AWTF and was previously amended to include the design of the Basin No. 2 diversion structure, the completion the electrical design of the 001B diversion structure, and to provide services during construction of the diversion structures at the San Gabriel Coastal Basin Spreading Grounds.

As a result of the time required to acquire the necessary permits the initiation of construction for the diversion structures was delayed. The current contract with CDM Smith expired on June 30, 2015, but there are remaining funds to complete the previously approved scope of work. CH2Mhill staff and WRD staff believe the approved scope of work can be completed by spring 2016. Therefore, WRD staff is recommending to extend the termination date of the contract to June 30, 2016, with no additional increase of funds.

FISCAL IMPACT
None.

STAFF RECOMMENDATION
Approve a no cost time extension contract amendment with CDM Smith, extending the term to June 30, 2016, subject to approval of form by District Counsel.
AMENDMENT No. 4 TO CONTRACT NO. 741
AGREEMENT FOR PROFESSIONAL SERVICES
BETWEEN
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
AND
CDM Smith

This Amendment No. 4 to Contract No. 741, is made and entered into effective as of September 17, 2015 (“Effective Date”) by and between the Water Replenishment District of Southern California (hereinafter “District”), a public entity, and CDM Smith (hereinafter “Consultant”). The District and Consultant are collectively referred to herein as the “Parties.”

I.
REQUITALS

A. On May 1, 2013, the District and Consultant entered into Contract No. 741 for the 30% Design of the GRIP Advanced Water Treatment Facility (the “Agreement”); and

B. The District and Consultant now desire to enter into this Amendment No. 4 in order to extend the term of the Agreement at no additional cost to the District.

II.
AMENDMENT

NOW, THEREFORE, in consideration of the mutual covenants, promises and agreements set forth, it is agreed the Agreement shall remain in full force and effect except as otherwise hereinafter provided.

1. Term of Agreement: The term of the Agreement shall be extended to June 30, 2016 (the “Expiration Date”).

IN WITNESS WHEREOF, the Parties have caused this Amendment No. 4 to be executed as of the Effective Date.

CDM Smith ("CONSULTANT")

__________________________
Signature

__________________________
Print Name

__________________________
Title
WATER REPLENISHMENT DISTRICT OF
SOUTHERN CALIFORNIA

<table>
<thead>
<tr>
<th>Signature</th>
<th>Sergio Calderon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Name</td>
<td>President, Board of Directors</td>
</tr>
<tr>
<td>Title</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signature</th>
<th>Rob Katherman</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Name</td>
<td>Secretary, Board of Directors</td>
</tr>
<tr>
<td>Title</td>
<td></td>
</tr>
</tbody>
</table>

Approved As To Form
LEAL • TREJO APC

Attorneys for the Water Replenishment
District of Southern California