

**AGENDA
IRVINE RANCH WATER DISTRICT
BOARD OF DIRECTORS
REGULAR MEETING**

October 12, 2015

PLEDGE OF ALLEGIANCE

CALL TO ORDER

5:00 p.m., Board Room, District Office
15600 Sand Canyon Avenue, Irvine, California

ROLL CALL

Directors Matheis, Reinhart, Swan, Withers and President LaMar

NOTICE

If you wish to address the Board on any item, including Consent Calendar items, please file your name with the Secretary. Forms are provided on the lobby table. Remarks are limited to five minutes per speaker on each subject. Consent Calendar items will be acted upon by one motion, without discussion, unless a request is made for specific items to be removed from the Calendar for separate action.

COMMUNICATIONS TO THE BOARD

1. A. Written:

B. Oral:

2. ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Recommendation: Determine the need to discuss and/or take immediate action on item(s).

CONSENT CALENDAR

Resolution No. 2015-29

Items 3-6

3. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the September 28, 2015 Regular Board meeting be approved as presented.

4. RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS

Recommendation: That the Board ratify/approve meetings and events for Steven LaMar, John Withers, Peer Swan, Mary Aileen Matheis and Douglas Reinhart.

CONSENT CALENDAR – Continued	Items 3-6
<p>5. <u>RESOLUTION OF COMMENDATION FOR LAURENCE LIZOTTE</u></p> <p>Recommendation: That the Board adopt a resolution commending Laurence Lizotte for his years of dedicated service to Moulton Niguel Water District.</p> <p>6. <u>2015 LEGISLATIVE UPDATE</u></p> <p>Recommendation: Receive and file.</p>	Reso. No. 2015-

ACTION CALENDAR	
<p>7. <u>WATER RELIABILITY STUDY CAPITAL BUDGET INCREASE</u></p> <p>Recommendation: That the Board authorize a budget increase to the FY 2015-16 Capital Budget in the amount of \$72,500 for project 11808 (6013).</p> <p>8. <u>SAND CANYON PROFESSIONAL CENTER – PHASE II DEVELOPMENT DESIGN CONSULTANT RECOMMENDATIONS</u></p> <p>Recommendation: That the Board approve the retention of Ware Malcomb to provide architectural services for the Sand Canyon Professional Center Phase II office building, authorize the General Manager to execute a contract with Ware Malcomb for an amount not to exceed \$419,000, approve the retention of Fuscoe Engineering to provide civil engineering services for the Sand Canyon Professional Center Phase II office building and authorize the General Manager to execute a contract with Fuscoe Engineering for an amount not to exceed \$143,000.</p>	

OTHER BUSINESS

Pursuant to Government Code Section 54954.2, members of the Board of Directors or staff may ask questions for clarification, make brief announcements, make brief reports on his/her own activities. The Board or a Board member may provide a reference to staff or other resources for factual information, request staff to report back at a subsequent meeting concerning any matter, or direct staff to place a matter of business on a future agenda. Such matters may be brought up under the General Manager's Report or Directors' Comments.

OTHER BUSINESS - Continued

9. A. General Manager's Report

B. Directors' Comments

C. Adjourn

* * * * *

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the Irvine Ranch Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board of Directors are available for public inspection in the District's office, 15600 Sand Canyon Avenue, Irvine, California ("District Office"). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available from the District Secretary of the District Office at the same time as they are distributed to Board Members, except that if such writings are distributed one hour prior to, or during, the meeting, they will be available at the entrance to the Board of Directors Room of the District Office.

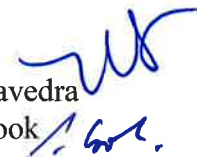
The Irvine Ranch Water District Board Room is wheelchair accessible. If you require any special disability-related accommodations (e.g., access to an amplified sound system, etc.), please contact the District Secretary at (949) 453-5300 during business hours at least seventy-two (72) hours prior to the scheduled meeting. This agenda can be obtained in alternative format upon written request to the District Secretary at least seventy-two (72) hours prior to the scheduled meeting.

October 12, 2015

Prepared and

Submitted by: N. Savedra

Approved by: P. Cook



CONSENT CALENDAR

MINUTES OF BOARD MEETING

SUMMARY:

Provided are the minutes of the September 28, 2015 Regular Board Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE SEPTEMBER 28, 2015 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – Minutes of September 28, 2015

EXHIBIT "A"

MINUTES OF REGULAR MEETING – SEPTEMBER 28, 2015

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:07 p.m. by President LaMar on September 28, 2015 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: Matheis, Withers, Reinhart, LaMar and Swan.

Directors Absent: None

Also Present: General Manager Cook, Executive Executive Director of Engineering and Planning Burton, Executive Director of Water Policy Weghorst, Director of Human Resources Roney, Executive Director of Operations Sheilds, Director Public Affairs Beeman, Director of Water Resources Sanchez, Director of Treasury and Risk Management Jacobson, Legal Counsel Arneson, Assistant Secretary Savedra, Ms. Christine Compton, Ms. Gretchen Ronin, Mr. Eric Akiyoshi, Mr. Bruce Newell, Mr. Jim Reed, Mr. Bryan Kallenbaugh of Michael Baker International, and other members of the public and staff.

WRITTEN AND ORAL COMMUNICATIONS: None.

ITEMS TOO LATE TO BE AGENDIZED: Yes. General Manager Cook reported that staff would like to request a resolution for an impending retire employee be added to the agenda for consideration and approval by the Board.

On MOTION by Swan, seconded and unanimously carried THE BOARD AGREED TO ADD THE RESOLUTION TO THE AGENDA FOR CONSIDERATION AND APPROVAL.

RESOLUTION COMMENDING WAYNE WRIGHT FOR HIS DEDICATED AND LOYAL SERVICE TO THE DISTRICT

There being no discussion On MOTION by Swan, seconded and unanimously carried, THE BOARD ADOPTED THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2015-26

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT COMMENDING
WAYNE WRIGHT FOR HIS DEDICATED AND
LOYAL SERVICE TO THE DISTRICT

CONSENT CALENDAR

On MOTION by Matheis, seconded and unanimously carried, CONSENT CALENDAR ITEMS 3 THROUGH 5 WERE APPROVED AS FOLLOWS:

EXHIBIT "A"

CONSENT CALENDAR - Continued

3. MINUTES OF BOARD MEETING

Recommendation: That the minutes of the September 14, 2015 Regular Board Meeting be approved as presented.

4. RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS

Recommendation: That the Board ratify/approve the meetings and events for Steven LaMar, Mary Aileen Matheis, Douglas Reinhart, Peer Swan, and John Withers as described.

5. AUGUST 2015 TREASURY REPORTS

Recommendation: that the Board receive and file the Treasurer's Investment Summary Report, the Monthly Interest Rate Swap Summary for August 2015, and Disclosure Report of Reimbursements to board members and staff; approve the August 2015 Summary of Payroll Ach payments in the total amount of \$1,537,698 and approve the August 2015 Accounts Payable Disbursement Summary of Warrants 360503 through 361184, workers' compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$17,836,145.

ACTION CALENDAR

PROPOSED CHANGES TO SALARY GRADE SCHEDULE, SALARIES, AND PERSONNEL POLICIES AND PROCEDURES FOR SUPERVISORS, MANAGERS, AND CONFIDENTIAL EMPLOYEES

General Manager Cook reported that this item represents the proposed changes for supervisors, managers, and confidential employees of IRWD to their compensation and benefits. The changes consist of a cost of living increase of 1.51% retroactive to July 1, 2015. There is a revision to Policy No. 18, which stipulates how vacation time is accrued by these same employees in these particular groups. A revision to Policy No. 39 restores the 1% direct contribution by the District to the managerial, supervisory and confidential employees. Other miscellaneous changes include participating in the District's new Shared Wellness Incentive program and an incentive provided for all employees that hold commercial driver's license. These changes were discussed and approved by the Board in closed session.

There being no discussion On MOTON by Reinhart, seconded and carried by a vote 4-1 (Matheis, Reinhart, LaMar and Withers voting aye, and Swan voting no), THE BOARD APPROVED AN INCREASE TO THE SALARY GRADE SCHEDULE FOR SUPERVISORY, MANAGEMENT AND CONFIDENTIAL POSITIONS; APPROVED A COST OF LIVING ADJUSTMENT OF 1.51% FOR ELIGIBLE EMPLOYEES IN THESE POSITIONS; APPROVED THE REVISIONS TO POLICY NOS. 18 AND 39; AND ADOPTED THE FOLLOWING TWO RESOLUTIONS BY TITLE:

EXHIBIT "A"

RESOLUTION NO. 2015-27

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH
WATER DISTRICT, RESCINDING RESOLUTION NO. 2015-24
AND ESTABLISHING REVISED SALARY GRADE SCHEDULE FOR
SUPERVISORS, MANAGERS, AND CONFIDENTIAL EMPLOYEES

RESOLUTION NO. 2015-28

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH
WATER DISTRICT, RESCINDING RESOLUTION NO. 2014-12
AND ESTABLISHING REVISED PERSONNEL POLICIES
(FOR POLICY NOS. 18 AND 39)

ROSEDALE DROUGHT RELIEF PROJECT PIPELINE LETTER AGREEMENT AND
BUDGET INCREASE

General Manager Cook reported that this item will authorized execution of a letter agreement with the Rosedale Rio-Bravo Water Storage District who will take the lead in contracting for the construction of the Superior East and West Pipeline; and it also authorizes an increase in IRWD's capital budget for this year for our share of the pipeline.

Director Swan reported that this item was reviewed at the Water Banking Committee and recommends approval. There being no discussion On MOTON by Reinhart, seconded and unanimously carried, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE THE LETTER AGREEMENT FOR CONSTRUCTING THE SUPERIOR EAST AND WEST PIPELINES SUBJECT TO NON-SUBSTANTIVE CHANGES; AND APPROVED AN INCREASE TO THE FY 2015-16 CAPITAL BUDGET FOR PROJECT 11812 (6023) IN THE AMOUNT OF \$507,600 TO FUND IRWD'S SHARE OF THE CONSTRUCTION OF THE SUPERIOR EAST AND WEST PIPELINES AS WELL AS CONSULTING SERVICES TO BE PROVIDED BY DEE JASPAR AND ASSOCIATES FOR DESIGN REVIEW AND CONSTRUCTION OVERSIGHT ASSISTANCE.

BAKER WATER TREATMENT PLANT VARIANCE, CONTRACT CHANGE ORDERS, AND
RETENTION REDUCTION

General Manager Cook reported this item is regarding a change order and consultant variance for the Baker Water Treatment Plant as well as a change order and reduction in retention for the Baker Raw Water Conveyance Facilities project.

Using a PowerPoint presentation, Principal Engineer Mori provided an overview update of the key project indicators related to the Baker Water Treatment Plant and the Baker Raw Water Conveyance Facilities construction through August 31, 2015. He said PCL Construction (PCL) is constructing the Baker Water Treatment Plant (WTP), and Pacific Hydrotech Corporation (PHC) is constructing the Baker Raw Water Conveyance Facilities (RWCF). The Baker WTP construction is about 60 % complete, and the Baker RWCF construction is about 97% complete.

EXHIBIT "A"

	<u>Baker WTP</u>	<u>Baker RWCF</u>
Contractor:	PCL Construction	Pacific Hydrotech
Contract Amount:	\$ 77,520,613.00	\$ 4,995,744.00
Changes Orders to Date:	\$138,537.00(0.18%)	\$67,788.73 (1.36%)
Revised Contract Amount:	\$ 77,659,150.00 (65% Paid)	\$ 5,063,532.73 (97% Paid)
Notice of Award Issued:	January 6, 2014	January 6, 2014
Contract Time:	820 Days	455 Days
Contract Completion Date:	April 5, 2016	April 6, 2015*
Contract Time Elapsed:	73.5% (217 days remaining)	100%*
Estimated Completion Date:	July 8, 2016 (66 days behind)	May 31, 2016

(*) Time extension for RWCF included in the current contract change order

Mr. Mori said the Baker WTP is a regional project that will produce up to 28 million gallons per day, or 43.5 cubic feet per second, of drinking water. The source water for this facility will be untreated imported water from Metropolitan Water District of Southern California (MWD) and local water from Irvine Lake. Project participants include El Toro Water District, Moulton Niguel Water District, Santa Margarita Water District, Trabuco Canyon Water District, and IRWD. The Baker WTP will utilize microfiltration and ultraviolet disinfection as the primary treatment processes. The project also includes the construction of the Baker RWCF that will pump water from Irvine Lake to the Baker WTP. These facilities will provide an operational source of supply and, in the event of short-term water shortage emergencies, will enhance water reliability for the project participants. Construction of both projects began in January 2014.

Mr. Mori said that Carollo and its sub-consultants have been providing construction phase support services for both the Baker WTP and the Baker RWCF construction contracts since the start of construction. Carollo submitted Variance No. 1 for additional work activities outside the scope of the initial contract. The variance request includes additional work activities associated with membrane filtration system modifications and reviews, UV disinfection system modifications and reviews, equipment substitution requests, proposed equipment deviations by the listed manufacturers, submittal review, and permitting assistance support. He said that staff reviewed the variance request and recommends approval of Variance No. 1, in the amount of \$355,900.

Mr. Mori said the second item is a Contract Change Order No. 8 to the Baker WTP. He said that staff and PCL completed negotiations for a PCL-proposed value engineering (VE) concept that would allow for a portion of the 36-inch product water pipeline to be constructed via an open-cut trench method in lieu of the jack and bore method included in the original design. During the development of the VE proposal, PCL conducted extensive potholing to identify and confirm a viable open-cut alignment through the heavily congested pipe crossing area at the southern portion of the site. In addition to providing cost savings to the project, the open-cut approach will minimize the duration of construction along the Serrano Creek Trail and will reduce the bury depth of the product water pipeline. The total savings associated with this VE option is \$268,654. Since VE cost savings are shared equally between the contractor and IRWD, IRWD's portion of the savings is \$134,327. Staff reviewed the change order and recommends approval of Contract Change Order No. 8 in the credit amount of <\$134,327>. Although this change order does not require approval of the Baker Project Committee, the Baker Project Committee concurs with its approval.

EXHIBIT "A"

Mr. Mori said the third item is a Contract Change Order No. 3 to the Baker RWCF. Staff and PHC completed negotiations for Contract Change Order No. 3, which includes the following three change requests.

Change Request No. 10: During the final stages of coordination for the flow meter replacement at OC-33, MWD indicated that upon installation of the new 100 cfs flow meter, that a 10% minimum flow requirement would be in effect in accordance with its policy. This policy basically states that a user will be charged for actual water metered unless the water metered is less than 10% of the rated capacity of the flow meter at which time the user will be charged for an amount of water equivalent to the 10% value. For OC-33, the 10% minimum flow requirement translates to a flow rate of 10 cfs. Currently, the average usage at OC-33 ranges between 4 and 6 cfs. Based on preliminary calculations, the project would have incurred an additional cost in excess of \$3,000,000 in "low flow" charges between the originally planned meter installation date of October 2014 and the summer of 2016 when the Baker WTP is anticipated to be online. To avoid those costs, staff directed PHC to postpone the meter installation until the March/April 2016 period to more closely coincide with the startup of the Baker WTP when the flow rate through the meter will be higher.

Mr. Mori said this change request will compensate the contractor for costs associated with re-sequencing the OC-33 meter replacement work to the March/April 2016 period. The request includes costs associated with re-mobilization, re-work of some previously completed items (primarily excavation, excavation shoring, and backfill activities), and completion of remaining contract work. The contractor agreed to maintain the original contract values for this work even though the work is being delayed by more than a year. This change request will also provide sufficient additional contract time to extend the duration of the contract as needed to complete this work. The cost associated with re-sequencing the OC-33 meter replacement work is \$120,274.96 and PHC requested an additional 414 calendar days to complete the work at the requested time.

Change Request No. 12: Modifications to the roof foam insulation system for the pump station building are required. The Contract Documents require a uniform 3-inch thick layer of polyurethane foam roofing to be applied over the metal roof decking. However, to obtain a minimum slope of 1/4-inch per foot across the width of the roof (to ensure proper drainage), the thickness of the roof system needs to be increased. The cost to increase the thickness of the foam insulation is \$5,488.09 and PHC requested an additional seven calendar days to complete the work.

Change Request No. 13: Modifications to the window in the door between the electrical room and the pump room are required. The contract documents require that the window be provided with wire reinforced glass. The door supplier indicated that the specified wire reinforcement no longer meets code requirements for use in this application. Upon consultation with the design engineer and the door supplier, the decision was made to provide a window with a protective safety film on the glass, which meets code requirements. This change request also includes other minor changes including provisions for an additional drain spout for the pump station building, additional stucco finish on the masonry block door returns, and a credit for three returned 8-inch valves. The cost for these changes is \$1,473.05, and PHC agreed to complete the work within the contract time.

Staff reviewed the change order and recommends approval of Contract Change Order No. 3, in the amount of \$127,236.10. In accordance with the Baker WTP Agreement, the Baker Project Committee also approved this change order.

EXHIBIT "A"

Mr. Mori said the final item up for consideration is a construction contract retention reduction to the Baker RWCF. Pacific Hydrotech has completed construction of the work with the exception of the OC-33 meter replacement, pump station startup and testing activities, and punch-list completion. These items have been delayed due to circumstances beyond PHC's control and are scheduled to be completed in the March/April 2016 period. Staff and PHC have agreed to a time extension for the remaining elements and PHC has agreed to maintain their bid day pricing for the work that was postponed by more than a year. With about 97 percent of the work complete, PHC requested that the retention be reduced from 5% of the contract amount to 1% of the contract amount. Staff recommends approval of the retention reduction as the 1% retention provides adequate funding to cover the remaining work elements.

Director Reinhart said that this item was reviewed and approved by the Engineering and Operations Committee on September 15, 2015. There being no further discussion On MOTON by Reinhart, seconded and unanimously carried, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 1 IN THE AMOUNT OF \$355,900 WITH CAROLLO ENGINEERS FOR ADDITIONAL CONSTRUCTION SUPPORT SERVICES; APPROVED CONTRACT CHANGE ORDER NO. 8 IN THE CREDIT AMOUNT OF <\$134,327>, WITH PCL CONSTRUCTION FOR THE BAKER WATER TREATMENT PLANT PROJECT, PROJECT 11747 (5027); APPROVED CONTRACT CHANGE ORDER NO. 3 IN THE AMOUNT OF \$127,236.10 WITH PACIFIC HYDROTECH CORPORATION FOR THE BAKER RAW WATER CONVEYANCE FACILITIES, PROJECT 11747 (5027); AND AUTHORIZED REDUCTION OF RETENTION FROM 5% TO 1% FOR THE BAKER RAW WATER CONVEYANCE FACILITIES CONSTRUCTION CONTRACT, PROJECT 11747 (5027).

GENERAL MANAGER'S REPORT

General Manager Cook reported that in anticipation of the rains there was a kickoff meeting today of management and staff from every department in the agency. He said this meeting was to ensure that everyone is ready for the rains, is on the same page, and that each department knows what other departments are doing. He said the District will hold an informal Emergency Operations Center staging not only at the Operations Center, but at Sand Canyon (the secondary location), because if there is a major flood we may not have access to the Operations Center.

Mr. Cook said that IRWD's headquarters building was honored by the American Institute of Architects in Orange County with a 25-year award. This 25-year award pertains to buildings that were constructed and have stood the test of time in sustainability. The award was given to us by LPA, the designer.

DIRECTORS' COMMENTS

Director Withers reported that he attended the usual monthly meetings. He also mentioned that LAFCO is going out on a job search once approved for an Assistant Executive Officer position and an Analyst position.

EXHIBIT "A"

DIRECTORS' COMMENTS - Continued

Director Swan reported on meetings he attended including WACO Planning Committee Meeting, Newport Chamber of Commerce, Orange County Coastkeepers Annual Clean Water event, Southern California Water Dialogue Meeting, the annual Roses, Radishes and Royalty Awards event and an IRWD resident tour.

Director Reinhart reported that he attend a MWDOC Board meeting.

Director Matheis reported that she attended the annual Colorado River Symposium in Santa Fe, New Mexico and the annual CSDA Conference in Monterey.

Director LaMar reported that he attended a meeting with House Majority Leader Kevin McCarthy relative to recycled water. He said he substituted for Director Withers and attended an IRWD resident tour, a UCI Master Gardening event and a City of Tustin Drought Expo.

CLOSED SESSION

President LaMar said that the following Closed Sessions would be held this evening:

- 1) Conference with Legal Counsel relative to anticipated litigation – Government Code Section 54956.9(d)(2) – significant exposure to litigation regarding claim or statement threatening litigation on file with the District (one potential case); and
- 2) Conference with Legal Counsel relative to existing litigation – Government Code Section 54956.9(d)(1) – *Bonecki v. IRWD, et al.*, Orange County Superior Court Case No. 30-2015-00809346-CU-HR-CJC.

OPEN SESSION

Following the Closed Session, the meeting was reconvened with all Directors present. President LaMar said that there was no action to report.

ADJOURNMENT

President LaMar adjourned the meeting at 7:00 p.m.

APPROVED and SIGNED this 12th day of October, 2015.

President, IRVINE RANCH WATER DISTRICT

EXHIBIT "A"

Assistant Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Legal Counsel - Bowie, Arneson, Wiles & Giannone

October 12, 2015

Prepared and

Submitted by: N. Savedra

Approved by: P. Cook



CONSENT CALENDAR

RATIFY/APPROVE BOARD OF DIRECTORS'
ATTENDANCE AT MEETINGS AND EVENTS

SUMMARY:

Pursuant to Resolution 2006-29 adopted on August 28, 2006, approval of attendance of the following events and meetings are required by the Board of Directors.

Events/Meetings

Steven LaMar

10/13/15 Monthly meeting w/General Manager Paul Cook re: District Activities
10/14/15 California Environmental Dialogue Plenary Meeting
10/15/15 Orange County Forum
10/21/15 South Orange County Agencies' Meeting

Mary Aileen Matheis

10/05/15 IRWD/Association of California Cities OC Meeting

Douglas Reinhart

10/21/15 South Orange County Agencies' Meeting
10/22/15 ACEC-Meet Elected Officials' Reception Event

Peer Swan

10/05/15 CleanTech OC VIP Reception
10/06/15 CleachTech OC Conference
10/22/15 MWD Forum-Integrated Water Resources Plan
10/28/15 Southern California Water Dialogue Meeting

John Withers

10/05/15 CleanTech OC VIP Reception
10/14/15 ACWA 2015 Regulatory Summit
10/22/15 ACEC-Meet Elected Officials Reception Event

RECOMMENDATION:

THAT THE BOARD RATIFY/APPROVE THE MEETINGS AND EVENTS FOR STEVEN LAMAR, MARY AILEEN MATHEIS, DOUGLAS REINHART, PEER SWAN, AND JOHN WITHERS AS DESCRIBED.

LIST OF EXHIBITS:

None

October 12, 2015

Prepared and

submitted by: N. Savedra

Approved by: Paul Cook



CONSENT CALENDAR

RESOLUTION COMMENDING MR. LAURENCE R. LIZOTTE
FOR HIS DEDICATED YEARS OF SERVICE
TO MOULTON NIGUEL WATER DISTRICT

SUMMARY:

Mr. Laurence (Larry) R. Lizotte will be recognized in November after 45 years of dedicated service as a board member for the Moulton Niguel Water District. A presentation is scheduled at their November 19th board meeting at which time Director Douglas Reinhart will present Mr. Lizotte with this resolution. Provided as Exhibit "A" is a resolution commending Mr. Laurence Lizotte for his distinguished and dedicated service to the Moulton Niguel Water District.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

None.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Policy and Communications Committee on October 5, 2015.

RECOMMENDATION:

THAT THE BOARD ADOPT THE FOLLOW RESOLUTION BY TITLE:

RESOLUTION NO. 2015-

RESOLUTION OF THE BOARD OF DIRECTORS
OF THE IRVINE RANCH WATER DISTRICT
COMMENDING MR. LAURENCE R. LIZOTTE
FOR HIS YEARS OF DEDICATED SERVICE TO
MOULTON NIGUEL WATER DISTRICT

LIST OF EXHIBITS:

Exhibit "A" - Resolution

EXHIBIT "A"

RESOLUTION NO. 2015-

RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT COMMENDING
MR. LAURENCE (LARRY) R. LIZOTTE FOR HIS SERVICE
TO MOULTON NIGUEL WATER DISTRICT

WHEREAS, Mr. Laurence R. Lizotte has dedicated 45 years of service to the Moulton Niguel Water District Board of Directors, 33 years of which he served as the Board President; and

WHEREAS, in addition to his service on the Moulton Niguel Water District Board of Directors, Mr. Laurence R. Lizotte serves on the Board of Directors for South Orange County Wastewater Authority; and

WHEREAS, Mr. Laurence R. Lizotte has previously served on the boards of Aliso Wastewater Management Authority, South East Regional Reclamation Authority, and South Orange County Reclamation Authority; and

WHEREAS, Mr. Laurence R. Lizotte continues to campaign for prudent policies that provide the public with the highest quality water in the most economical manner.

NOW, THEREFORE, BE IT RESOLVED: The Board of Directors of Irvine Ranch Water District wishes to honor Mr. Laurence R. Lizotte for his outstanding contributions and dedication to the water industry, his exemplary leadership during his tenure on the Moulton Niguel Water District Board of Directors, and for his devoted service to Southern California.

ADOPTED, SIGNED AND APPROVED this 12th day of October, 2015.

President, IRVINE RANCH WATER DISTRICT
and of the Board of Directors thereof

Secretary, IRVINE RANCH WATER DISTRICT
and of the Board of Directors thereof

APPROVED AS TO FORM:
BOWIE, ARNESON, WILES & GIANNONE
Legal Counsel - IRWD

By: _____

October 12, 2015

Prepared and

Submitted by C. Compton

Approved by: Paul Cook



CONSENT CALENDAR

2015 LEGISLATIVE UPDATE

SUMMARY:

This report provides an update on the final legislative actions during the first year of the 2015-16 legislative session and IRWD priorities. As legislation develops, staff will provide updates and recommendations to the Water Resources Policy and Communications Committee and the Board, as appropriate. Staff recommends that the Board receive and file the update.

BACKGROUND:

September 11, 2015, was the last day of the 2015 legislative session and the last day for the Legislature to act on regular session bills before the Interim Recess. The Governor had until October 11 to sign or veto legislation passed by the Legislature during the first year of the 2015-16 legislative session. The State Legislature will reconvene from the Interim Recess on January 4, 2016, unless a special session is called. Legislators will have until the end of January to act upon two-year bills from 2015.

A copy of the 2015 State Legislative Matrix is attached as Exhibit "A".

State Budget Update:

August Revenue Numbers:

On September 10, 2015, State Controller Betty Yee released her monthly report on the State's finances. She announced that the State took in \$637.8 million more than projections in the Fiscal Year 2015-16 adopted budget during the month of August. The report summarizes the month's revenues as:

"For more than a year, personal income tax drove state revenues to surpass expectations. In August, by contrast, retail sales and use tax took the lead, exceeding estimates by \$127.2 million, or 4.3 percent. Personal income tax continued to show strength, beating projections by \$39.7 million, or 1.0 percent. The last of the state's "big three" revenue sources—the corporation tax—also came in higher than anticipated by \$35.7 million, or 28.9 percent.

After July revenue came in close to expectations, the strong August numbers pushed overall receipts for the 2015-16 fiscal year to \$674.7 million, or 5.0 percent, above projections. For the fiscal year to date, all three major sources of revenue are surpassing expectations."

IRWD 2015 Legislative Priorities:

Clarification on Tiered Water Rates:

Since staff's April 27 presentation to the Board on the *Capistrano Taxpayers Association, Inc. v. City of San Juan Capistrano* and the Board's discussion regarding the need for legislative clarification on tiered water rates, staff has been working with the District's industry and association partners on seeking clarification. The California League of Cities, the California Association of Counties and the Association of California Water Agencies (ACWA) have continued work to develop a constitutional amendment to address tiered water rate structures, stormwater funding, and voluntary low income rate subsidization. Discussions regarding the proposed constitutional amendment are ongoing. Staff has been participating in an ACWA work group on this proposal to protect the District's interests.

AB 786 (Levine, D- San Rafael) — Common Interest Developments:

AB 786 seeks to clarify that a homeowners association shall not impose a fine or assessment against an owner of a separate interest for reducing or eliminating the watering of vegetation or lawns during any period for which a drought emergency has been declared. The one exception to this prohibition is where the separate interest prior to the imposition of a fine or assessment receives recycled water from a retail water supplier and fails to use that recycled water for landscaping irrigation. IRWD supported AB 786. As of the writing of this report, the bill, which contains an urgency measure, is on the Governor's desk waiting action.

Updates on 2015 State Legislation of Interest to IRWD:

As has been traditionally done in October after the legislative session has recessed, staff has provided an update on each bill upon which the District has taken a position during this legislation session. A summary and a status report on each bill is provided below:

AB 149 (Chávez, R-Oceanside) — Urban Water Management Plans:

The Urban Water Management Planning Act requires that urban water supplies prepare and adopt an urban water management plan, and update that plan every five years in years ending in 5 and 0. AB 149, as introduced, would have adjusted these timeframes to require that an urban water supplier update its plan in years ending in 6 and 1. AB 149 has been sponsored by the San Diego County Water Authority in order to change the Urban Water Management Plan update and submittal dates so that they better match the timing of the decennial U.S. Census, which is conducted in years ending in 0. As amended, the bill changed the reporting deadline for only 2015 from December 31, 2015, to July 1, 2016. AB 149 was signed by the Governor and chaptered in July. IRWD took a "SUPPORT" position on AB 149.

AB 585 (Melendez, D-Murrieta) — Outdoor Water Efficiency Act of 2015:

AB 585, as amended on July 15, 2015, would create a personal income tax credit equal to 25 percent up to \$2,500 of the amount paid or incurred by a qualified taxpayer for water-efficiency improvements on real property to outdoor landscapes between 2016 through 2021. The bill

remained on the Assembly Appropriations Suspense File at the end of session. IRWD took a “SUPPORT” position on AB 585.

AB 603 (Salas, D-Bakersfield) — Income Taxes: Turf Removal Tax Credit:

AB 603, as introduced, would have created a personal income tax credit for taxpayers participating in lawn replacement programs in an amount equal to \$2.00 per square foot of conventional lawn removed from the taxpayer’s property. As amended on May 21, 2015, the bill would create a personal income tax credit for taxpayers participating in lawn replacement programs in an amount equal to 25 percent of the costs incurred by the taxpayers to replace their lawns, not to exceed \$1,500. IRWD took a “SUPPORT” position on AB 603 because it would provide an even greater incentive to IRWD’s customers to replace their lawns. AB 603 remained on the Assembly Appropriations Suspense File at the end of session.

AB 606 (Levine, D-San Rafael) — Water Conservation:

AB 606, as introduced by Assembly Water, Parks and Wildlife Committee Chairman Marc Levine, would require the Department of General Services to identify each public property added to the State’s property inventory after January 1, 2016, where it is feasible for water consumption to be reduced and water efficiencies to be achieved through the replacement of landscaping with drought tolerant plants, the replacement of irrigation timers to permit efficient watering schedules and the replacement of spray sprinkler heads with bubblers, drip irrigation and soaker hoses. As amended, the bill would require state agencies when they build upon state-owned property, purchase real property, or replace landscaping or irrigation on property to reduce water consumption and increase water efficiency where feasible through the actions discussed above or through the implementation of recycled water irrigation.

IRWD took a “SUPPORT AND SEEK AMENDMENTS” position on AB 606 authorizing staff to advocate for amendments to AB 606, which would direct State properties to use recycled water in order to meet outdoor landscape water needs where feasible. These amendments were incorporated into the bill as noted above. As of the writing of this report, AB 606 is on the Governor’s desk waiting action.

AB 1201 (Sala, D- Bakersfield) — Fish and Wildlife: Sacramento-San Joaquin Delta: Predation by Nonnative Species:

AB 1201 would require the California Department of Fish and Wildlife (DFW) to develop a science-based plan to address predation by nonnative species within the Sacramento- San Joaquin Delta. As amended, the bill would require DFW to develop this plan by June 30, 2016. Predation is one of the stressors that has had a negative impact on the health of the Delta’s ecosystem. It is appropriate for California to address predation within the Delta through a science-based approach. Such an approach is consistent with the co-equals of improved water supply reliability and protecting and enhancing the Delta ecosystem. As a result, IRWD took a “SUPPORT” position on AB 1201. AB 1201 remained on the Senate Appropriations Suspense File at the end of session.

SB 143 (Stone, R-Indio) — Diamond Valley Reservoir: Recreational Use:

Existing law, with certain exceptions, prohibits bodily contact with water in a domestic water reservoir. SB 143, as introduced, would exempt the Diamond Valley Reservoir from these prohibitions. Diamond Valley Reservoir is Southern California's largest drinking water storage reservoir, and holds six months of emergency storage for the region in the case of an earthquake or other catastrophic disruption. IRWD took an "OPPOSE" position on SB 143 given that the permitting of bodily contact with Diamond Valley Reservoir could result in the degradation of water quality within an important reservoir for the Southern California region and could result in increased treatment costs that would eventually be borne by ratepayers. At the end of session, SB 143 remained in the Senate Environmental Quality Committee at the author's request and remains a two-year bill.

SB 551 (Wolk, D-Vacaville) — State Water Policy: Water and Energy Efficiency:

SB 551 would establish as a policy of the State that "water use and water treatment shall be as energy efficient as is feasible and energy use and generation shall be as water efficient as is feasible." The bill would also require State agencies to consider this policy when "revising, adopting, or establishing policies, regulations, and grant criteria when those policies, regulations, and criteria are pertinent to the uses of water and energy." Additionally, the bill provides that the implementation of these provisions "shall not infringe on the rights or responsibilities of any public water system or public utility."

IRWD took a "SEEK AMENDMENTS" position on the bill and the Board authorized staff to work with the author's office, legislative staff and industry stakeholders to ensure that SB 551 is beneficial for the District. Specially, the District sought amendments that recognize the number of factors that influence water supply and water treatment decisions (including energy use) and has sought the addition of a definition of the term "feasible" that recognizes that these factors should be considered when determining feasibility. Staff engaged with the author's office to obtain amendments along these lines. SB 551 was held on the Assembly Appropriations Suspense File at the end of session.

SB 555 (Wolk, D-Vacaville) — Urban Retail Water Suppliers: Water Loss Management:

SB 555, authored by Senator Lois Wolk (D-Vacaville), would require each urban water supplier to conduct a validated water loss audit annually using the American Water Works Association Manual M36's method of evaluation. The validation process would require an urban water supplier to use a technical expert to confirm the basis of all data entered into the audit report and to appropriately characterize the quality of the reported data. The audits are to be submitted to the Department of Water Resources (DWR), and DWR is required to post them on its website in a manner that allows for a comparison of water supplier losses. In addition, the bill directs the State Water Resources Control Board to adopt rules requiring urban water suppliers to meet performance standards for the volume of water losses. IRWD took a "SUPPORT" position on SB 555 because Senator Wolk took amendments to make the bill more workable for water agencies. As of the writing of this report, the bill is on the Governor's desk waiting action.

Proposals on Groundwater Adjudications:

After the adoption of sustainable groundwater management legislation last year, the Administration and the Legislature indicated their interest in pursuing legislation related to groundwater adjudications this year. As reported previously, there were two legislative proposals related to groundwater adjudications before the Legislature — AB 1390 (Alejo, D-Salinas) and SB 226 (Pavley, D-Calabasas). In mid-August, AB 1390 and SB 226 were amended to reflect the Administration's proposal, which was released in July.

As previously described to the Board, staff reviewed the Administration's proposal and engaged with stakeholders and decision makers regarding the proposals to protect IRWD's interests related to groundwater adjudications and to advocate for changes consistent with the District's Groundwater Management Policy Principles. IRWD proposed several clarifying amendments, which were largely inserted in AB 1390 and SB 226.

As of the writing of this report, AB 1390 and SB 226 are on the Governor's desk waiting action.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Policy and Communications Committee on October 5, 2015.

RECOMMENDATION:

RECEIVE AND FILE.

LIST OF EXHIBITS:

Exhibit "A" – 2015 IRWD Legislative Matrix

EXHIBIT "A"
IRWD 2015 LEGISLATIVE MATRIX
Updated 09/29/2015

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
AB 1 Brown (D)	Drought: Local Governments: Fines		Prohibits a city, county, or city and county from imposing a fine under any ordinance for a failure to water a lawn or having a brown lawn during a period for which the Governor has issued a proclamation of a state of emergency based on drought conditions.	07/13/2015 - Chaptered by Secretary of State. Chapter No. 62
AB 2 Alejo (D)	Community Revitalization Authority		Authorizes certain local agencies to form a community revitalization authority with a community revitalization and investment area to carry out provisions of the Community Redevelopment Law in that area for infrastructure, affordable housing, and economic revitalization and provides for the issuance of bonds serviced by tax increment revenues. Requires the authority to adopt a community revitalization and investment plan. Requires the use of certain funds for low and moderate income housing.	09/22/2015 - Signed by GOVERNOR.;09/22/2015 - Chaptered by Secretary of State. Chapter No. 319
AB 10 Gatto (D)	Political Reform Act of 1974: Economic Disclosures		Amends the Political Reform Act of 1974. Increases the thresholds at which a public official has a disqualifying financial interest in sources of income in investments in business entities and in interests in real property. Revises the dollar amounts associated with the value ranges for reporting the value of economic interests. Requires certain public officials to disclose information relating to governmental decisions for which the public official had a disqualifying financial interest.	09/18/2015 - *****To GOVERNOR.
AB 12 Cooley (D)	State Government: Administrative Regulations: Review		Requires each state agency after a noticed public hearing, to review the agency's regulations, identify any regulations that are duplicative, overlapping, inconsistent, or out of date, to revise those identified regulations, and report to the Legislature and Governor.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
AB 14 Waldron (R)	Unmanned Aircraft Systems: Task Force		Creates the Unmanned Aircraft Systems Task Force to research, develop, and formulate a comprehensive policy for unmanned aircraft systems. Requires the task force to submit a policy draft and suggested legislation pertaining to unmanned aircraft systems.	04/13/2015 - In ASSEMBLY Committee on TRANSPORTATION: Failed passage.;04/13/2015 - In ASSEMBLY Committee on TRANSPORTATION: Reconsideration granted.
AB 21 Perea (D)	Global Warming Solutions Act of 2006: Scoping Plan		Requires the State Air Resources Board in preparing its scoping plan for achieving the maximum technologically feasible and cost-	09/18/2015 - In SENATE. Ordered to Inactive File due to inaction prior to Fall

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			effective reductions in greenhouse gas reduction, to consult with specified State agencies regarding matters involving energy efficiency and the facilitation of the electrification of the transportation sector.	Recess.
AB 23 Patterson (R)	Global Warming Solutions Act of 2006: Compliance		Exempts categories of persons or entities that did not have a compliance obligation under a market-based compliance mechanism from being subject to that market-based compliance mechanism.	03/23/2015 - In ASSEMBLY Committee on NATURAL RESOURCES: Failed passage.;03/23/2015 - In ASSEMBLY Committee on NATURAL RESOURCES: Reconsideration granted.
AB 33 Quirk (D)	Electrical Corporations: Procurement Plans		Requires the Public Utilities Commission to determine what role large scale energy storage could play as part of the state's overall strategy for procuring a diverse portfolio of resources and to consider specified factors in making that determination.	09/08/2015 - In SENATE. Read second time. To third reading.;09/08/2015 - Referred to SENATE Committee on RULES.
AB 45 Mullin (D)	Household Hazardous Waste		Requires each jurisdiction providing for the residential collection and disposal of solid waste to increase the collection and diversion of household hazardous waste in its service area over the baseline. Provides the increase is to be determined in accordance with Department of Resources Recycling and Recovery regulations. Authorizes the adoption of a model ordinance for a comprehensive program for the collection of waste. Requires an annual report to the Department on progress in achieving compliance.	05/20/2015 - In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
AB 56 Quirk (D)	Unmanned Aircraft Systems		Prohibits law enforcement agencies from using unmanned aircraft systems, obtaining an unmanned aircraft system from another public agency by contract, loan, or other arrangement, or using information obtained from an unmanned aircraft system used by another public agency, except as provided. Provides for the protection of data gathered through the use of such systems. Prohibits a person from arming such a system with a weapon. Provides for civil actions.	09/08/2015 - In SENATE. Read second time. To third reading.;09/08/2015 - In SENATE. From third reading. To Inactive File.
AB 78 Mathis (R)	Groundwater Basins		Makes technical nonsubstantive changes to existing law that requires the Department of Water Resources to categorize each basin or subbasin as high-, medium-, low-, or very low priority and to establish ground water the initial priority for each basin.	01/05/2015 - INTRODUCED.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
AB 88 Gomez (D)	Sales and Use Taxes: Exemption: Home Appliances		Exempts from the sales and use tax laws the gross receipts from the sale of, and the storage, use, or other consumption in the State of, an energy or water efficient home appliance purchased by a public utility that is provided at no cost to a low-income participant in a federal, state, or ratepayer-funded energy or water efficiency program for use by that low-income participant in the energy efficiency program.	09/14/2015 - *****To GOVERNOR.
AB 149 Chavez (R)	Urban Water Management Plans	Support	Requires each urban water supplier to update and submit a urban water management plan for a specified year to the State Department of Water Resources by a specified date. Requires the Department to submit its urban water management plan report for that same specified year to the Legislature by a specified date.	07/06/2015 - Signed by GOVERNOR.;07/06/2015 - Chaptered by Secretary of State. Chapter No. 49
AB 156 Perea (D)	Global Warming Solutions Act: Disadvantaged Communities		Requires the State Air Resources Board, pursuant to the Global Warming Solutions Act of 2006, to post on its Internet Web site a specified report on the projects funded to benefit disadvantaged communities. Requires the Board to establish and accomplish a comprehensive technical assistance program, upon appropriation from the Greenhouse Gas Reduction Fund, for eligible applicants assisting defined eligible communities. Requires an allocation to the Board for the program.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
AB 219 Daly (D)	Public Works: Concrete Delivery		Expands the definition of public works for purposes of requirements regarding the payment of prevailing wages for public works projects to include the hauling and delivery of ready-mixed contract to carry out a public works contract, with respect to contracts involving any State agency or any political subdivision of the State. Requires the applicable prevailing wage rate to be the rate for the geographic area in which the concrete factory or batching plant is located. Relates to subcontracting.	09/16/2015 - *****To GOVERNOR.
AB 243 Wood (D)	Medical Marijuana		Requires specified State agencies to promulgate regulations or standards relating to medical marijuana and its cultivation. Requires various State agencies to take specified actions to mitigate the impact that marijuana cultivation has on the environment. Requires charging each licensee a licensure and renewal fee. Provides a fund for such fees.	09/23/2015 - *****To GOVERNOR.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 259</u> Dababneh (D)	Personal Information Privacy		Requires an agency, if the agency was the source of the breach and the breach compromised a person's social security number, driver's license number, or California identification card number, to offer to provide the person with identity theft prevention and mitigation services at no cost for not less than 12 months.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>AB 291</u> Medina (D)	Environmental Quality Act: Local Agencies: Water		Authorizes a local agency, for certain water projects, to file a specified notice with the county clerk of the county in which the local agency's principal office is located, along with any required payment to the Department of Fish and Wildlife, and with the Office of Planning and Research and to transmit a copy of the notice to the county clerk of the counties in which the project is located. Requires the notice and the copies of the notice to be available to for public inspection. Relates to challenges.	06/10/2015 - From SENATE Committee on ENVIRONMENTAL QUALITY with author's amendments.;06/10/2015 - In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.
<u>AB 307</u> Mathis (R)	Graywater: Groundwater Recharge		States the intent of the Legislature to enact legislation to explicitly permit the usage of residential, commercial, and industrial graywater for the recharge of a groundwater basin or aquifer.	02/12/2015 - INTRODUCED.
<u>AB 308</u> Mathis (R)	Graywater: Agricultural Use		States the intent of the Legislature to enact legislation to explicitly permit incorporated and unincorporated communities to sell graywater for agricultural purposes and agriculture to use graywater for agricultural purposes.	02/12/2015 - INTRODUCED.
<u>AB 311</u> Gallagher (R)	Environmental Quality: Water Quality and Supply		Requires the public agency, in certifying the environmental impact report and in granting approvals for specified water storage projects funded, in whole or in part, by Proposition 1, to comply with specified procedures. Requires the Judicial Council to adopt a rule of court to establish procedures applicable to actions or proceedings seeking judicial review of an agency's action in certifying the environmental impact report and in granting project approval. Relates to court staying of the projects.	04/29/2015 - From ASSEMBLY Committee on NATURAL RESOURCES without further action pursuant to JR 62(a).
<u>AB 327</u> Gordon (D)	Public Works: Volunteers		Extends the provisions of existing law that provides governing public works does not apply to specified work performed by a volunteer, a volunteer coordinator, or a member of the California Conservation corps or a community conservation corps.	07/06/2015 - Signed by GOVERNOR.;07/06/2015 - Chaptered by Secretary of State. Chapter No. 53
<u>AB 335</u> Patterson (R)	Air Quality: Minor Violations		Requires the State Air Resources Board and air pollution control and air quality management districts to adopt regulations classifying	05/19/2015 - From ASSEMBLY Committee on NATURAL

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			minor violations. Requires a representative of those agencies to issue a notice to comply. Requires the State Air Resources Board to report to the Legislature regarding implementation of these provisions. Exempts such districts from these provisions if the districts have a similar program in effect as of a specified date.	RESOURCES without further action pursuant to JR 62(a).
AB 341 Achadjian (R)	Financial Affairs: Reports		Amends existing law requiring the officer of each local agency, who has charge of the financial records of the local agency, to furnish to the Controller a report of all such transactions of the local agency during the preceding fiscal year. Requires the report to contain underlying data from audited financial statements, if this data is available, and extends time to furnish the report. Provides a due date for reporting of the annual compensation for a local agency's elected officials and employees.	07/02/2015 - Signed by GOVERNOR.;07/02/2015 - Chaptered by Secretary of State. Chapter No. 37
AB 349 Gonzalez (D)	Common Interest Developments: Property Use		Amends the Davis-Stirling Common Interest Development Act. Makes void and unenforceable any provision of governing documents, architectural or landscaping guidelines or policies that prohibit the use of artificial turf or any other synthetic surface that resembles grass. Prohibits a requirement that an owner of a separate interest remove or reverse water-efficient landscaping measures, installed in response to a declaration of a state of emergency, upon the conclusion of the state of emergency.	09/04/2015 - Signed by GOVERNOR.;09/04/2015 - Chaptered by Secretary of State. Chapter No. 266
AB 356 Williams (D)	Oil and Gas: Groundwater Monitoring		Authorizes the State Oil and Gas Supervisor to require a well operator to implement a monitoring program for below ground oil production tanks and facilities, and disposal and injection wells. Requires the annual review of underground injection or disposal projects that use Class II wells. Requires the submission of a related groundwater monitoring plan. Requires submission of certain data for the State's geotracker database. Provides procedures for an aquifer exemption. Relates to plan modification.	06/11/2015 - In ASSEMBLY. Reconsideration granted.;06/11/2015 - In ASSEMBLY. From third reading. To Inactive File.
AB 401 Dodd (D)	Low-Income Water Rate Assistance Program		Requires the State Water Resources Control Board to develop a plan for the funding and implementation of the Low-Income Water Rate Assistance Program. Permits the Board to consider existing rate assistance programs. Authorizes the plan to include recommendations for other cost-effective methods of offering	09/17/2015 - *****To GOVERNOR.

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			assistance to such customers. Requires the Board to report to the Legislature on the findings regarding the feasibility, financial stability and desired structure of the program.	
AB 402 Dodd (D)	Local Agency Services: Contracts		Revises the circumstances under which a local agency formation commission may authorize a city or district to provide new or extended services. Establishes a pilot program for the Napa, and San Bernardino commissions that would the commissions to authority a city or district to provide new or extended services outside both its jurisdictional boundaries and its sphere of influence under specified circumstances.	10/02/2015 - Signed by GOVERNOR.;10/02/2015 - Chaptered by Secretary of State. Chapter No. 431
AB 434 Garcia E (D)	Drinking Water: Point-of-Entry: Point-of-Use Treatment		Requires the State Water Resources Control Board to adopt regulations governing the use of point-of-entry and point-of-use treatment by a public water system in lieu of centralized treatment where it can be demonstrated that centralized treatment is not immediately economically feasible. Provides limitations. Prohibits the use of point-of-entry treatment absent a Board determination of no community opposition. Requires adoption of related emergency regulations.	09/10/2015 - *****To GOVERNOR.
AB 452 Bigelow (R)	Water Rights Fund: Groundwater Regulation		Amends existing law that establishes groundwater reporting requirements for a person extracting groundwater in an area within a basin that is not within the management area of a groundwater sustainability agency or that is a probationary basin. Prohibits water rights fees from being available for expenditure by the Water Resources Control Board for the purposes of Board enforcement of the provisions of the Sustainable Groundwater Management Act and the groundwater reporting requirements.	04/28/2015 - In ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Not heard.
AB 453 Bigelow (R)	Groundwater Management		Authorizes, until a groundwater sustainability plan is adopted, a local agency that has adopted a groundwater management plan to impose fees on the extraction of groundwater from a groundwater basin to fund costs of groundwater management and to collect groundwater extraction information, as long as a groundwater management plan adopted before a specified date, is in effect.	09/08/2015 - In SENATE. Read second time. To third reading.
AB 454 Bigelow (R)	Sustainable Groundwater Management		Relates to groundwater basins. Requires a high- or medium-priority basin that is not subject to critical conditions of overdraft to be	04/14/2015 - From ASSEMBLY Committee on WATER, PARKS AND

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			managed under a groundwater sustainability plan or coordinated groundwater sustainability plan. Provides for the designation of basins as probationary basins.	WILDLIFE: Do pass to Committee on APPROPRIATIONS.
AB 455 Bigelow (R)	Groundwater Sustainability Plans		Amends the California Environmental Quality Act. Requires the Judicial Council to adopt a rule of court to establish procedures applicable to actions or proceedings brought to attack, review, set aside, void, or annul the certification of an environmental impact report for certain projects covered by a groundwater sustainability plan. Prohibits the court from staying or enjoining the construction or operation of the project unless the court makes a certain finding.	04/14/2015 - In ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Not heard.
AB 472 Harper (R)	Public Works: Prevailing Wage: Volunteers		Makes a nonsubstantive, technical change by deleting an obsolete provision in existing law that generally requires the payment of not less than the prevailing rate of per diem wages for work of a similar character in the locality in which the public work is performed by workers employed on public works projects, except work performed by a volunteer, a volunteer coordinator, or member of the State Conservation Corps, or a community conservation corps.	02/23/2015 - INTRODUCED.
AB 478 Harper (R)	Desalination		Makes a nonsubstantive change to the Cobey-Porter Saline Water Conversion Law that states the policy of this state that desalination projects developed by or for public water entities be given the same opportunities for state assistance and funding as other water supply and reliability projects, and that desalination be consistent with all applicable environmental protection policies in the state.	02/23/2015 - INTRODUCED.
AB 501 Levine (D)	Resources: Delta Research		Relates to the Sacramento-San Joaquin Delta Reform Act of 2009. Requires a person conducting State-funded Delta Research to take specified actions with regard to the sharing of the primary data, samples, physical collections, and other supporting materials created or gathered in the course of that research. Relates to ineligibility. Authorizes the Delta Independent Science Board to adopt guidelines. Suspends State funding for improper reporting. Provides research property rights remain with the researcher.	04/29/2015 - In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.
AB 537 Allen T (R)	Public Employees' Benefits		Prohibits a public agency, state employer, employee organization, or public employee from entering into a memorandum of understanding that provides postemployment health care benefits without a strategy	03/05/2015 - To ASSEMBLY Committee on PUBLIC EMPLOYEES, RETIREMENT AND SOCIAL

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			for permanently prefunding members' postemployment healthcare benefits.	SECURITY.
<u>AB 577</u> Bonilla (D)	Biomethane: Grant Program		Requires the development and implementation of a grant program to award grants for projects that produce biomethane, that build or develop collection and purification technology or infrastructure, or that upgrade or expand existing biomethane facilities. Authorizes moneys in the Greenhouse Gas Reduction Fund to be used to fund grants awarded under the program.	09/11/2015 - Re-referred to SENATE Committee on RULES.
<u>AB 585</u> Melendez (R)	Outdoor Water Efficiency: Personal Income Tax Credits	Support	Relates to the Outdoor Water Efficiency Act. Allows a credit, under the Personal Income Tax Law, for a specified percentage of the amount paid or incurred by a qualified taxpayer for water-efficiency improvements on qualified real property. Limits the cumulative amount of the credit. Requires a taxpayer to obtain and retain a improvements certification from a regional or local water agency, and to provide a copy to the Franchise Tax Board upon request.	08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 590</u> Dahle (R)	Greenhouse Gas Reduction Fund		Provides that moneys in the Greenhouse Gas Reduction Fund account may be made available for expenditure by the State Energy Resources Conservation and Development Commission for maintaining the current level of biomass power generation or geothermal energy generation in the State and revitalizing currently idle facilities in strategically located regions. Establishes requirements for an applicant to receive available funding for a facility's eligible electrical generation.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>AB 603</u> Salas (D)	Income Taxes: Every Drop Counts Tax Credit	Support	Allows a credit under the Personal Income Tax and the Corporation Tax laws to a taxpayer participating in a lawn replacement rebate program.	05/28/2015 - In ASSEMBLY. Joint Rule 62(a) suspended.;05/28/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 606</u> Levine (D)	Water Conservation	Support_Amend	Provides that when a state agency builds upon state-owned real property, purchases real property, or replaces landscaping or irrigation, the agency would be required to reduce water consumption and increase water efficiencies for that property where feasible through specified water efficiency measures. Exempts from such requirements any state-owned property that is leased for	09/10/2015 - *****To GOVERNOR.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			agricultural purposes.	
AB 617 Perea (D)	Groundwater		Defines in-lieu use. Provides that measures addressing such use shall be included in a groundwater sustainability plan. Relates to certain powers of a groundwater sustainability agency, if the agency adopts and submits such plan or alternative documentation. Authorizes an agency to enter into agreements and funding with private parties to assist in plan or plan element implementation. Provides procedures governing state agency cooperation in regards to the plan. Relates to regional water management plans.	09/18/2015 - *****To GOVERNOR.
AB 639 Dahle (R)	Water Quality: Membership of Regional Boards		Makes nonsubstantive changes to provisions of existing law which requires the State Water Resources Control Board and the regional water quality control boards to prescribe waste discharge requirements in accordance with the federal national pollutant discharge elimination system permit program established by the federal Clean Water Act and the Porter-Cologne Water Quality Control Act.	02/24/2015 - INTRODUCED.
AB 647 Eggman (D)	Beneficial Use: Storing of Water Underground		Declares that the diversion of water to underground storage constitutes a beneficial use of water if the water so stored is thereafter applied to the beneficial purposes for which the appropriation for storage was made, or if the water is so stored consistent with a sustainable groundwater management plan, statutory authority to conduct groundwater recharge, or a judicial degree and is for specified purposes. Requires applying for a permit or petition for a change. Requires including specified conditions.	06/30/2015 - From SENATE Committee on NATURAL RESOURCES AND WATER with author's amendments.;06/30/2015 - In SENATE. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES AND WATER.
AB 723 Rendon (D)	Rental Property: Plumbing Fixtures: Replacement		Requires the lease or rental agreement of a single-family residential real property or any portion of a multifamily residential real property or commercial real property that is entered into, renewed, or amended, be accompanied by a disclosure stating the property owner's responsibility to replace all noncompliant plumbing fixtures with water-conserving plumbing fixtures.	07/16/2015 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
AB 725 Wagner (R)	Water Quality: Recycled Water: Storm-Induced Overflow	Sponsor	Requires the State Water Resources Control Board to adopt a policy to address the potential for a storm-induced overflow from an impoundment in which recycled water is stored for subsequent beneficial use or aesthetic purposes.	03/26/2015 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.;03/26/2015 - From ASSEMBLY Committee on WATER,

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
				PARKS AND WILDLIFE with author's amendments.;03/26/2015 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
<u>AB 786</u> Levine (D)	Common Interest Developments: Property Use	Support	Amends existing law that prohibits an association from imposing a fine or assessment on separate interest owners for reducing or eliminating watering of vegetation or lawns during any period of declared emergency due to drought, except an association that uses recycled water for landscape irrigation. Revises that exception to authorize the imposition of a fine or assessment against the owner who receives recycled water from a retail water supplier and fails to use for landscaping irrigation.	09/23/2015 - *****To GOVERNOR.
<u>AB 852</u> Burke (D)	Public Works: Prevailing Wages		Expands the definition of public works for the purposes of provisions relating to the prevailing rate of per diem wages, to also include any construction, alteration, demolition, installation, or repair work done under private contract on a project for a general acute care hospital, when the project is paid for, in whole or in part, with the proceeds of conduit revenue bonds. Provides an exception for a specified hospital.	09/16/2015 - *****To GOVERNOR.
<u>AB 856</u> Calderon I (D)	Invasion of Privacy		Expands liability for physical invasion of privacy to additionally include a person knowingly entering into the airspace above the land of another person without permission.	10/06/2015 - Signed by GOVERNOR.;10/06/2015 - Chaptered by Secretary of State. Chapter No. 521
<u>AB 876</u> McCarty (D)	Compostable Organics		Requires a county or regional agency to include in its annual report to the Department for Resources Recycling and Recovery an estimate of the amount of organic waste in cubic yards that will be generated in the county of region over a specified time period, an estimate of the additional organic waste recycling facility capacity needed to process that amount of waste, and areas identified as locations for new and expended organic waste recycling facilities capable of safely meeting that additional need.	09/01/2015 - *****To GOVERNOR.
<u>AB 888</u> Bloom (D)	Waste Management: Plastic Microbeads		Prohibits a person from selling or offering for promotional purposes in the State a personal care product containing plastic microbeads that are used to exfoliate or cleanse in a rinse-off product. Provides	09/17/2015 - *****To GOVERNOR.

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			an exception. Makes a violation subject to a civil penalty per day for each violation. Authorizes such penalty to be assessed and recovered in a civil action by the Attorney General or local officials. Requires penalties to be retained by the office that brought the action.	
<u>AB 935</u> Salas (D)	Water Projects		Requires, upon appropriation by the Legislature, the Department of Water Resources to provide funding for certain projects, provided that certain conditions are met.	09/10/2015 - In SENATE. From third reading. To Inactive File.
<u>AB 936</u> Salas (D)	Groundwater Monitoring		Amends existing law which provides that certain entities with authority to assume groundwater monitoring functions with regard to a basin or subbasin for which the Department of Water Resources has assumed those functions are not eligible for a water grant or loan awarded or administered by the state. Authorizes an exemption for the eligibility restriction if the entity submits specified documentation that provides that there are special circumstances justifying noncompliance.	05/28/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 937</u> Salas (D)	Groundwater Plan/Assistance: Disadvantaged Communities		Requires the Department of Water Resources to provide technical assistance to disadvantaged communities so that they may participate in groundwater planning, including planning for regional groundwater banking, with any county or other local agency.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>AB 938</u> Salas (D)	Groundwater: Basin Reprioritization		Imposes the requirement to establish a groundwater sustainability agency on a local agency or combination of local agencies overlying a groundwater basin.	05/07/2015 - To SENATE Committee on NATURAL RESOURCES AND WATER.
<u>AB 939</u> Salas (D)	Groundwater Sustainability Agencies		Amends existing law which requires a local agency to either establish a groundwater sustainability agency within a specified number of years of reprioritization and adopt a groundwater sustainability plan within a specified number of years of reprioritization, or to submit an alternative to the Department of Water Resources that the local agency believes satisfies the objectives the objectives within a specified number of years of reprioritization. Regards fees imposed to fund the program.	09/10/2015 - *****To GOVERNOR.
<u>AB 952</u> Garcia (D)	Local Government: Vacancies		Provides updated procedures for the filling of a vacancy in an elective office by a city council for a vacancy that occurs in the first half or the second half of the term of office and at least a specified number of days prior to the next general municipal election, the	08/12/2015 - Signed by GOVERNOR.;08/12/2015 - Chaptered by Secretary of State. Chapter No. 185

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			person appointed to fill the vacancy holds office until the next general municipal election at which a person is elected to fill that vacancy, and thereafter, until the person elected is qualified.	
<u>AB 954</u> Mathis (R)	Water and Wastewater Loan and Grant Pilot Program		Creates the Water and Wastewater Loan and Grant Program. Require the State Water Resources Control Board to establish a pilot program to provide low-interest loans and grants to local agencies for grants to eligible individual homeowners for purposes relating to drinking water and wastewater treatment. Creates a related fund for use under the program. Transfers a specified amount of funds from the General Fund to the fund.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>AB 957</u> Mathis (R)	Water Quality, Supply, Infrastructure Improvement		Relates to grants under the Water Quality, Supply, and Infrastructure Improvement Act of 2014 for water supply reliability improvement to include in that improvement criterion whether the project is proposed by a community that is dependent on groundwater from a basin in overdraft, and would include in the public health benefits criterion whether the project is proposed by a community that has extended, or is in the process of extending, its water service deliveries to specified groundwater entities.	04/28/2015 - In ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Not heard.
<u>AB 977</u> Mayes (R)	State Water Pollution Control Revolving Fund		Amends existing law that requires loans under the State Water Pollution Control Revolving Fund to meet specified criteria, including requiring full amortization not later than a specified number of years after project completion. Requires full amortization not later than another specified number of years after project completion.	03/26/2015 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS with author's amendments.;03/26/2015 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>AB 1019</u> Garcia E (D)	Metal Theft and Related Recycling Crimes		Requires the Department of Justice to establish a Metal Theft Task Force Program designed to enhance the capacity of the department to serve as the lead law enforcement agency in the investigation and prosecution of illegal recycling operations, and metal theft and related recycling crimes. Authorizes the department to enter into partnerships with local law enforcement agencies.	05/28/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 1030</u> Ridley-	Global Warming Solutions Act of 2006: Greenhouse Gas		Amends existing law that relates to the Greenhouse Gas Reduction Fund. Requires priority be given to projects involving hiring that	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in

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Thomas S (D)			support the targeted training and hiring of workers from disadvantaged communities for career-track jobs.	committee.
AB 1068 Allen T (R)	California Environmental Quality Act: Priority Projects		Authorizes each Member of the Legislature to nominate one project within his or her respective district each year, and the Governor to designate those projects as priority projects if the projects meet specified requirements. Requires the Governor to provide a notice of the designation to the appropriate lead agency and to the Office of Planning and Research. Requires an environmental impact report for each project. Authorizes tiering from previously prepared reports. Relates to court stays of projects.	03/19/2015 - To ASSEMBLY Committees on NATURAL RESOURCES and JUDICIARY.
AB 1095 Garcia E (D)	Salton Sea: Restoration Projects		Requires the Natural Resources Agency to submit to the Legislature a list of defined shovel-ready Salton Sea restoration projects, including information regarding project costs and project completion timelines.	09/10/2015 - *****To GOVERNOR.
AB 1128 Jones-Sawyer (D)	Water Conservation		Makes nonsubstantive changes to existing law that declares the intent of the Legislature to, among other things, promote urban water conservation standards that are consistent with the California Urban Water Conservation Council's adopted best management practices and specified requirements for demand management.	02/27/2015 - INTRODUCED.
AB 1139 Campos (D)	Personal Income Tax: Credit: Turf Removal		Allows a taxpayer, under the Personal Income Tax Law, a credit for participation in a lawn replacement program.	03/26/2015 - To ASSEMBLY Committee on REVENUE AND TAXATION.;03/26/2015 - From ASSEMBLY Committee on REVENUE AND TAXATION with author's amendments.;03/26/2015 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on REVENUE AND TAXATION.
AB 1144 Rendon (D)	Renewables Portfolio Standard Program: Credits		Provides that renewable energy credits may be used to meet certain portfolio content requirements if the credits are earned by electricity that is generated by an entity that would be excluded from the definition of an electrical corporation by operation of the exclusions for entities employing landfill or digester gas technology that meets certain requirements, including that the electricity is used at a	08/17/2015 - From SENATE Committee on APPROPRIATIONS with author's amendments.;08/17/2015 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.

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			wastewater treatment facility. Prohibits certain marketing claims.	
<u>AB 1201</u> Salas (D)	Delta: Predation by Nonnative Species	Support	Requires the State Department of Fish and Wildlife to develop a science-based plan that addresses predation by nonnative species upon species of fish listed pursuant to the State Endangered Species Act that reside all or a portion of their lives in the Sacramento-San Joaquin Delta and that considers predation reduction for all Chinook salmon and other native species not listed pursuant to the Act. Provides for input from the scientific community, water users and fishing communities.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>AB 1242</u> Gray (D)	Water Quality and Storage		Provides provisions of law requiring a specified increase in statewide water storage capacity, and updating water strategies and implementation plans. Requires the Water Resources Control Board, in formulating policy for water quality control and adopting or approving a water quality control plan for the Sacramento-San Joaquin Delta, to take into consideration any applicable groundwater sustainability plan or alternative and available information on impacts of groundwater use and beneficial uses of water.	09/02/2015 - In SENATE. Read second time. To third reading.;09/02/2015 - Re-referred to SENATE Committee on RULES.
<u>AB 1243</u> Gray (D)	Groundwater Recharge: Grants		Establishes the Groundwater Recharge Grant Fund. Provides that moneys in the fund are available to the State Water Resources Control Board to provide grants to local governments and water districts for groundwater recharge infrastructure projects.	04/14/2015 - In ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Not heard.
<u>AB 1315</u> Alejo (D)	Public Contracts Water Pollution Prevention Plans		Prohibits a public entity, charter city, or charter county from delegating to a contractor the development of a plan used to prevent or reduce water pollution or runoff on a public works contract. Provides exceptions. Prohibits those same entities from requiring a contractor on a public works contract that includes compliance with a plan to assume responsibility for the completeness and accuracy of a plan developed by that entity.	05/28/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 1325</u> Salas (D)	Delta Smelt		Enacts the Delta Smelt Preservation and Restoration Act of 2016. Requires the development of a deltas smelt hatchery program to preserve and restore the delta smelt. Requires entering into mitigation banking agreements with banking partners of the Department of Fish and Wildlife for the purpose of providing take authorizations to those partners and to obtain funding from banking	04/28/2015 - In ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Failed passage.;04/28/2015 - In ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Reconsideration granted.

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			agreements. Appropriates an unspecified amount of money from an unspecified source to implement these provisions.	
<u>AB 1362</u> Gordon (D)	Local Government Assessments Fees and Charges		Defines stormwater for purposes of the Proposition 218 Omnibus Implementation Act to mean any system of public improvements or service intended to provide for the quality, conservation, control, or conveyance of waters that land on or drain across the natural or man-made landscape.	03/23/2015 - To ASSEMBLY Committee on LOCAL GOVERNMENT.
<u>AB 1390</u> Alejo (D)	Groundwater: Comprehensive Adjudication		Establishes special comprehensive adjudication procedures for an action to determine the rights to extract groundwater in a basin. Authorizes determining all rights to groundwater in a basin whether on appropriation, overlying right, or other basin storage space rights. Provides provisions specifying procedures, including court procedures, for the handling and processing of complaints regarding usage. Authorizes a judge of the superior court to determine if the action is a comprehensive adjudication.	09/18/2015 - *****To GOVERNOR.
<u>AB 1454</u> Wagner (R)	Water Quality: Trash: Single-Use Carryout Bags		Suspends the operation of certain amendments to water quality control plans relating to the total maximum daily load for trash unless and until specified provisions inoperative due to a pending referendum election become effective. Requires the State Water Resources Control Board to revisit and revise the water quality control plans to address impaired water quality due to trash if the law pending referendum is defeated.	04/23/2015 - Re-referred to ASSEMBLY Committee on RULES.
<u>AB 1463</u> Gatto (D)	Onsite Treated Water		Requires the State Water Resources Control Board, in consultation with the Department of Public Health, the Building Standards Commission, and stakeholders, to establish water quality standards and distribution, monitoring, and reporting requirements for onsite water recycling systems prior to authorizing the use of onsite treated water in internal plumbing of residential and commercial buildings. Requires onsite treated water to be considered the same as recycled water that is produced on site.	09/04/2015 - From SENATE Committee on ENVIRONMENTAL QUALITY with author's amendments.;09/04/2015 - In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.
<u>AB 1532</u> Local Government Cmt	Local Government: Omnibus		Amends provisions regarding local governments to include the revision of existing law regarding local agency formation commissions. Revises provisions regarding hospital districts, conflict of interest rules for a commission appointed legal counsel, the	07/15/2015 - Signed by GOVERNOR.;07/15/2015 - Chaptered by Secretary of State. Chapter No. 114

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			annexation of inhabited territory, and the issuance of a certificate of completion or termination regarding the consolidation of cities or districts.	
AB 1534 Ting (D)	Assessment Analyst: Certification		Prohibits an assessor or any person employed by the Office of the County Assessor from making decisions with regard to change in ownership, or with regard to property tax exemptions, except a homeowners' exemption claim, unless he or she is the holder of a valid assessment analyst certificate issued by the State Board of Equalization. Requires prescribed annual training for certification. Provides for advanced certification. Provide failure to complete training would be grounds for revocation.	10/02/2015 - Signed by GOVERNOR.;10/02/2015 - Chaptered by Secretary of State. Chapter No. 446
SB 7 Wolk (D)	Housing: Water Meters: Multi-unit Structures		Requires a landlord to make submeter disclosures to a tenant prior to executing a rental agreement. Relates to tenant billing procedures and requirements. Authorizes building standards that require the installation of water submeters in multiunit residential buildings. Provides structure exemptions. Relates to landlord requirements. Relates to the use of meters or submeters in new mixed-use residential and commercial structures as a condition for service. Requires licensed contractors do the installation.	09/08/2015 - In ASSEMBLY. Read third time. Failed to pass ASSEMBLY.;09/08/2015 - In ASSEMBLY. Motion to reconsider.
SB 13 Pavley (D)	Groundwater		Authorizes the State Water Resource Control Board to designate a basin as a probationary basin and to develop an interim plan. Relates to deficiency remedies by a local agency or groundwater sustainability agency, and to the designation of a basin as probationary. Relates to establishing a groundwater sustainability plan. Authorizes a mutual water company to participate in such agency. Provides a water corporation or mutual water company may participate. Requires an agreement for agency designation.	09/03/2015 - Signed by GOVERNOR.;09/03/2015 - Chaptered by Secretary of State. Chapter No. 255
SB 20 Pavley (D)	State Water Resiliency Investment Act		Creates the State Water Resiliency Investment Fund. Provides that moneys in the Fund are available for the purpose of providing a more dependable water supply in the State. Creates various accounts within the Fund for prescribed purposes.	08/26/2015 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;08/26/2015 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.

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SB 32 Pavley (D)	Global Warning Solutions Act of 2006		Requires the State Air Resources Board to approve a specified statewide greenhouse gas emission limits that are the equivalent to a specified percentage below the 1990 level to be achieved by 2030. Revises current provisions of existing law regarding the implementation of the next update of a greenhouse gas scoping plan under existing law. Requires reports regarding reaching these limits.	09/10/2015 - Re-referred to ASSEMBLY Committee on NATURAL RESOURCES.;09/10/2015 - From ASSEMBLY Committee on NATURAL RESOURCES with author's amendments.;09/10/2015 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
SB 47 Hill (D)	Environmental Health: Synthetic Turf		Requires the Office of Environmental Health Hazard Assessment, in consultation with the Department of Resources Recycling and Recovery, the State Department of Public Health, and the Department of Toxic Substances Control, to prepare and provide to the Legislature and post on the office's Internet Web site a study analyzing synthetic turf, for potential adverse health impacts. Provides the information to be included in the study. Authorizes grant to crumb rubber businesses to find alternative markets.	05/28/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
SB 113 Galgiani (D)	Disaster Preparedness and Flood Prevention Bond Act		Specifies that the Disaster Preparedness and Flood Prevention Bond Act of 2006 funds provided by the act are only available for appropriation until a specified date and at that time the amount of indebtedness authorized by the act is reduced by the amount of funds that have not been appropriated. Makes available a specified amount of funding for the upgrade of the levee system of a specified reclamation district to provide urban level of flood protection.	07/02/2015 - From SENATE Committee on NATURAL RESOURCES AND WATER with author's amendments.;07/02/2015 - In SENATE. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES AND WATER.
SB 119 Hill (D)	Protection of Subsurface Installations		Makes changes relating to a regional notification center and subsurface installations. Provides for delineation of areas to be excavated, preservation of certain plans, excavator damages for improperly inaccurate field mark, pipeline safety, an exemption for certain residential property owners using hand tools, the creation of an advisory committee, the use of moneys collected as a result of the issuance of citations, gas corporations' damage prevention programs, sewer line tagging, and related reports.	09/11/2015 - *****To GOVERNOR.
SB 122 Jackson (D)	Environmental Quality Act: Record of Proceedings		Amends the Environmental Quality Act. Relates to a database for the collection, storage, retrieval, and dissemination of environmental	08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS:

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			documents, notices of exemption, notices of preparation, notices of determination, and notices of completion provided to the office that shall be available online to the public through the internet. Provides for the phase-in of electronic documents. Requires the lead agency to submit to the State Clearinghouse a sufficient number of environmental documents for review.	Not heard.
SB 127 Vidak (R)	Water Quality, Supply, and Infrastructure Improvement		Relates to the Water Quality, Supply, and Infrastructure Improvement Act of 2014. Requires the public agency, in certifying the environmental impact report and in granting approvals for projects funded, in whole or in part, by Proposition 1, including the concurrent preparation of the record of proceedings and the certification of the record of proceeding within 5 days of the filing of a specified notice, to comply with specified procedures.	02/05/2015 - To SENATE Committees on ENVIRONMENTAL QUALITY and JUDICIARY.
SB 142 Jackson (D)	Civil law: Unmanned Aerial Vehicles		Extends liability for wrongful occupation of real property and damages to a person who operates an unmanned aircraft or unmanned aircraft system less than a specified distance above ground level within the airspace overlaying the real property, without the express permission of the person or entity with the legal authority to grant access or without legal authority.	09/09/2015 - Vetoed by GOVERNOR.
SB 143 Stone (R)	Diamond Valley Reservoir: Recreational Use	Oppose	Amends existing law that prohibits recreational use in which there is bodily contact with water, in a reservoir in which water is stored for domestic use.	02/05/2015 - To SENATE Committee on ENVIRONMENTAL QUALITY.
SB 173 Nielsen (R)	Groundwater: De Minimis Extractors		Amends existing law that generally excepts a de minimis extractor from the requirement that a person who extracts groundwater from a probational basin or extracts groundwater on or after July 1, 2017, in an area within a basin that is not within the management area of a groundwater sustainability agency and where the county does not assume responsibility to be the groundwater sustainability agency has to file a report of groundwater extraction. Defines a de minimis extractor.	03/24/2015 - In SENATE Committee on NATURAL RESOURCES AND WATER: Failed passage.;03/24/2015 - In SENATE Committee on NATURAL RESOURCES AND WATER: Reconsideration granted.
SB 179 Berryhill (R)	Secondhand Goods: Junk Dealers		Makes nonsubstantive changes to existing law that prohibits a junk dealer or recycler from possessing a reasonably recognizable, disassembled, or inoperative fire hydrant or fire department connection, a manhole cover or lid, or a backflow device, that was	02/19/2015 - To SENATE Committee on RULES.

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			owned by an agency, without a written certification on the agency's letterhead that the agency either has sold the material described or is offering the material for sale.	
SB 184 Hertzberg (D)	Local Government: Omnibus Bill		Clarifies that provisions in existing law relating to the authority of the duties of the auditor apply only to the county auditor. Authorizes marginal notations on recorded records. Repeals keeping an index of separate property of married women. Authorizes general grantor-grantee index in computerized or electronic format. Deletes certain endorsement requirements. Deletes certain name and address posting on records requirements. Updates government contract cost accounting. Relates to local contract bidding.	09/04/2015 - Signed by GOVERNOR.;09/04/2015 - Chaptered by Secretary of State. Chapter No. 269
SB 185 De Leon (D)	Public Retirement Systems: Divestiture of Thermal Coal		Prohibits the boards of the Public Employees' Retirement System and the State Teachers' Retirement System from making new investments or renewing existing investments of funds in a thermal coal company. Requires the boards to liquidate investments and to engage with such companies to ascertain if they are transitioning to clean energy generation business models. Requires the boards to file a report including a list of companies of which they have liquidated their investments.	09/08/2015 - *****To GOVERNOR.
SB 208 Lara (D)	Integrated Regional Water Management Plans: Grants		Requires a regional water management group to provide the Department of Water Resources with a list of projects to be funded by the grant funds where the project proponent is a nonprofit organization or a disadvantaged community, or the project benefits a disadvantaged community. Requires the Department to provide advanced payment of a percentage of the grant from those projects that satisfy specified criteria. Authorizes the Department to adopt additional requirements to assure payment is used properly.	09/14/2015 - *****To GOVERNOR.
SB 216 Pan (D)	Public Employees Retirement System		Amends the Public Employees Retirement System. Repeals the provisions regarding investing in residential realty on the system's investment portfolio. Changes the frequency of a specified report to eliminate the requirement to report on the investments on a cost basis. Makes other changes to the content of the report. Specifies that the option to purchase service credit shall be elected prior to retirement, that the member be returning to State service. Requires	09/02/2015 - Signed by GOVERNOR.;09/02/2015 - Chaptered by Secretary of State. Chapter No. 244

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			supplying retirement eligibility information.	
SB 223 Galgiani (D)	Division of Boating and Waterways: Oversight Committee		Requires the Division of Boating and Waterways to establish an advisory and oversight committee to evaluate and monitor the activities of the Division relating to the management and control or eradication of invasive aquatic plants. Provides the expertise of members of the committee. Requires the committee to meet a specified amount of times per year and to communicate any findings or recommendations to the Division.	08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
SB 226 Pavley (D)	Sustainable Groundwater Management Act		Requires that any water right adjudication act shall minimize interference with the completion and implementation of a groundwater sustainability plan, avoid redundancy and unnecessary costs in the development of technical information an a physical solution. Authorizes the designation of high- and medium-priority basins as probationary, under specified criteria. States certain court requirements regarding probationary basins and interim plans.	09/18/2015 - *****To GOVERNOR.
SB 228 Cannella (R)	Groundwater Storage: Beneficial Use		Declares that the recharging of a groundwater basin by a local groundwater management agency or a local groundwater sustainability agency for the purposes of repelling saline intrusion and recovering basin groundwater levels constitutes a beneficial use of water if the recharge is consistent with the local agency's groundwater management plan or groundwater sustainability plan.	02/26/2015 - To SENATE Committee on NATURAL RESOURCES AND WATER.
SB 248 Pavley (D)	Oil and Gas		Provides for an inspection program for all activities regulated pursuant to provisions concerning drilling, operation, maintenance, and abandonment of oil and gas wells and certain tanks and facilities. Requires inspections to be reported and posted, and the recording of information in a well history, including fluid injection, chemical composition, and waste disposal injection. Provides for shutdown. Requires updating related regulations. Requires notification and clearance of chemical injection.	08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Not heard.
SB 258 Bates (R)	Local Government		States the intent of the Legislature to enact legislation that would protect the right of the public to participate in open deliberations of the legislative bodies of local agencies by clarifying the appropriate use of special meetings.	02/26/2015 - To SENATE Committee on RULES.
SB 272	State Public Records Act:		Requires each local agency, in implementing the State Public	09/11/2015 - *****To GOVERNOR.

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Hertzberg (D)	Local Agencies: Inventory		Records Act, to create a catalog of enterprise systems, to make the catalog publicly available upon request in the office of the person or officer designated by the agency's legislative body, and to post the catalog on the local agency's Internet Web site. Requires the catalog to disclose a list of the systems utilized by the agency and, among other things, the current system vendor and product, citing the justification therefor.	
SB 286 Hertzberg (D)	Electricity: Direct Transactions		Requires the Public Utilities Commission to adopt and implement a schedule that implements a specified phase-in period for expanding direct transactions for individual retail nonresidential end-use customers over a maximum time period, raising the allowable limit of kilowatthours that can be supplied by other electrical corporation's distribution service territory to that corporation's share of the gigawatthours. Requires such customers to be responsible for their share of the costs of specified programs.	08/27/2015 - In ASSEMBLY. Joint Rule 62(a) suspended.
SB 317 De Leon (D)	Safe Neighborhood Parks, Rivers, and Coastal Protection		Enacts the Safe Neighborhood Parks, Rivers, and Coastal Protection Bond Act of 2016, which, if adopted by the voters, would authorize the issuance of bonds in a specified amount pursuant to the State General Obligation Bond Law to finance a safe neighborhood parks, rivers, and coastal protection program.	09/11/2015 - In SENATE. To Inactive File.
SB 350 De Leon (D)	Clean Energy and Pollution Reduction Act of 2015		Requires an increase in the amount of electricity generated and sold to retail customers per year from eligible renewable energy resources. Makes other Renewables Portfolio Standards Program revisions. Requires targets for energy efficiency savings and demand reduction for gas and electrical corporations. Relates to the transformation of the Independent System Operator as a regional organization with the approval of the Legislature, pursuant to a specified process.	09/29/2015 - *****To GOVERNOR.
SB 360 Cannella (R)	Biomethane		Authorizes the Public Utilities Commission to consider providing the option to all corporations to engage in competitive bidding and direct investment in ratepayer financed biomethane collection equipment.	03/05/2015 - To SENATE Committee on ENERGY, UTILITIES AND COMMUNICATIONS.
SB 385 Hueso (D)	Primary Drinking Water Standards: Hexavalent Chromium		Authorizes the State Water Resources Control Board to grant a period of time to achieve compliance with the primary drinking water standard for hexavalent chromium by approving the	09/04/2015 - Signed by GOVERNOR.;09/04/2015 - Chaptered by Secretary of State. Chapter No. 272

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			compliance plan. Requires a public water system to provide specified notice regarding the plan to the persons served and to send status reports to the Board. Authorizes the Board to direct revisions to the plan and to implement, interpret, or make specific provisions by means of criteria, published on its Internet Web site.	
SB 454 Allen (D)	Water Quality: Oil and Gas: Exempted Aquifer		Relates to water quality, oil and gas wells and exempt aquifers. Prohibits the Division of Oil, Gas, and Geothermal Resources from submitting a proposal for an aquifer exemption to the United States Environmental Protection Agency unless the Division and the State Water Resources Control Board concur in writing that the aquifer meets specified conditions.	06/08/2015 - In SENATE. From third reading. To Inactive File.
SB 471 Pavley (D)	Water, Energy, Reduction of Greenhouse Gas Emissions		Includes reduction of greenhouse emissions associated with water treatment among the investments that are eligible for funding from the Greenhouse Gas Reduction Fund. Requires the State Water Resources Control Board to establish a grant and loan program for water projects that result in the net reduction of water-related greenhouse gas emissions.	08/27/2015 - In ASSEMBLY. Joint Rule 62(a) suspended.;08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
SB 485 Hernandez (D)	County of Los Angeles: Sanitation Districts		Authorizes specified sanitation districts in the County of Los Angeles, to acquire, construct, operate, maintain, and furnish facilities for the diversion, management, and treatment of stormwater and dry weather runoff, the discharge of the water to the stormwater drainage system, and the beneficial use of the water. Requires a district to consult with the specified entities prior to initiating a stormwater or dry weather runoff program within the boundaries of specified areas.	09/14/2015 - *****To GOVERNOR.
SB 487 Nielsen (R)	Sustainable Groundwater Management Act: Exemptions		Relates to the California Environmental Act (CEQA). Exempts from the requirements of CEQA the formation of a groundwater sustainability agency, the amendment of a groundwater sustainability plan or coordinated groundwater sustainability plan, and the implementation of those plans, except to the extent that the implementation requires the construction or installation of a new facility.	03/12/2015 - To SENATE Committee on ENVIRONMENTAL QUALITY.
SB 551 Wolk (D)	State Water Policy: Water and Energy Efficiency	Seek_Amen d	Declares the policy of the state that water use and water treatment shall operate in a manner that is as energy efficient as in feasible and	08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS:

IRWD 2015 LEGISLATIVE MATRIX
Updated 09/29/2015

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			energy use and generation shall operate in a manner that is as water efficient as is feasible. Requires all relevant state agencies to consider this state policy when revising, or establishing policies, regulations, and grant criteria when pertinent to these uses of water and energy.	Held in committee.
<u>SB 552</u> Wolk (D)	Public Water Systems: Disadvantaged Communities		Requires the State Water Resources Control Board to hold at least one initial public meeting prior to ordering the consolidate or extension of public water system service and to obtain the consent of any domestic well owner. Provides any affected resident and domestic well owner within the service area who does not consent is ineligible for any future water-related grant funding. Requires the Board to compensate certain water systems. Prohibits a charge increase for certain customers.	07/09/2015 - Re-referred to ASSEMBLY Committee on RULES.
<u>SB 553</u> Wolk (D)	Water Conservation		Requires the Department of General Services to identify each public property in the department's state property inventory where it is feasible for water consumption to be reduces and water efficiencies to be achieved through implementation of the relevant recommendations made in the model water efficient landscape ordinance and would require the department to implement the relevant recommendation where feasible.	05/28/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>SB 554</u> Wolk (D)	Water Commission Disqualifying Financial Interest		Removes a member of the California Water Commission from office if after trial a court finds that the commission member has knowingly participated in any commission decision in which the member has a disqualifying financial interest in the decision.	04/21/2015 - In SENATE Committee on ELECTIONS AND CONSTITUTIONAL AMENDMENTS: Not heard.
<u>SB 555</u> Wolk (D)	Urban Retail Water Suppliers: Water Loss Management	Support	Require each urban retail water supplier to submit a completed and validated water loss audit report for the previous calendar year or fiscal year. Requires the Department of Water Resources of post a reports on its Internet Web site and develop metrics for reporting progress on water loss reduction. Requires rules requiring urban retail water suppliers to meet performance standards for the volume of water losses. Requires the Water Resources Control Board to fund water loss audit validation assistance.	09/10/2015 - *****To GOVERNOR.
<u>SB 556</u> De Leon (D)	Victims of Crime: Indemnification:		Relates to indemnification of victims of crime. Defines the time of processing applications. Requires the Victim Compensation and	09/10/2015 - In ASSEMBLY. To Inactive File.

IRWD 2015 LEGISLATIVE MATRIX
Updated 09/29/2015

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
	Applications		Government Claims Board to post on its Internet Web site its progress and current average time of processing applications, the number of applications approved and denied, and incomplete applications received. Relates to the period of time, including all calendar days, that begins when the board first receives an application and ends when a check is mailed to an eligible victim.	
SB 568 Fuller (R)	Groundwater Management		Relates to the Sustainable Groundwater Management Act. Authorizes the State Water Resources Control Board to designate a basin as a probationary basin if the state board makes a certain determination and authorizes the state board to develop an interim plan for the probationary basin.	03/12/2015 - To SENATE Committee on RULES.
SB 615 Berryhill (R)	Waste Discharge: Waivers: Managed Wetlands		Relates to waste discharge requirements, waivers and managed wetlands. Requires each regional board to prescribe waste discharge requirements that implement relevant water quality control plans. Provides for waivers. Amends monitoring of wetlands unless results of downstream monitoring demonstrate a violation of water quality discharge standards.	04/29/2015 - In SENATE Committee on ENVIRONMENTAL QUALITY: Not heard.
SB 625 Galgiani (D)	Water Management: Synthetic Plastic Microbeads		Prohibits the selling, or offering for promotional purposes a person care product containing synthetic plastic microbeads. Exempts from this prohibition the sale or promotional offer of a product containing a specified amount of such microbeads. Makes a violator liable for a civil penalty for each violation. Authorizes the penalty to be recovered in a civil action brought by the Attorney General. Prohibits any local ordinance, resolution, or rule relating to the sale of such microbeads.	04/22/2015 - Re-referred to SENATE Committees on ENVIRONMENTAL QUALITY and JUDICIARY.
SB 687 Allen (D)	Renewable Gas Standard		Requires the State Air Resources Board to adopt a carbon-based renewable gas standard that requires all gas sellers to provide specified percentages of renewable gas meeting certain deliverability requirements, to retail end-use customers for use in the state that increases over specified compliance periods, and to issue an analysis of the lifecycle emissions of greenhouse gases and reductions for different biogas types and end uses. Requires a renewable gas assessment.	05/28/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
SB 704	Public Officers and		Relates to conflicts of interest. Includes in the definition of remote	10/04/2015 - Chaptered by Secretary of

IRWD 2015 LEGISLATIVE MATRIX
Updated 09/29/2015

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
Gaines T (R)	Employees: Conflicts of Interest		interest the interest of a person who is an owner or partner of a firm serving as an appointed member of an unelected board or commission of a contracting agency, if the owner or partner recuses himself or herself from providing certain advice, and the interest of a planner employed by a consulting engineering, architectural, or planning firm.	State. Chapter No. 495
SB 758 Block (D)	Atmospheric Rivers: Research, Mitigation, Forecasting		Establishes the Atmospheric Rivers Research, Mitigation, and Climate Forecasting Program in the State Department of Water Resources to research climate forecasting and the causes and impact that climate change has on atmospheric rivers, to operate reservoirs in a manner that improves flood protection in the State, and to reoperate flood control and water storage facilities to capture water generated from atmospheric rivers.	09/11/2015 - *****To GOVERNOR.
SB 768 Wieckowski (D)	Water-Conserving Plumbing Fixtures		Makes technical, nonsubstantive changes to existing law that requires the replacement of plumbing fixtures that are not water conserving in residential and commercial real property built and available for use on or before a specified date.	03/19/2015 - To SENATE Committee on RULES.
SB 772 Stone (R)	Bay Delta Conservation Plan: Judicial Review		States the intent of the Legislature to enact legislation establishing judicial review procedures for the Bay Delta Conservation Plan.	03/19/2015 - To SENATE Committee on RULES.
SB 798 Pavley (D)	Natural Resources		Clarifies that specified laws relating to sport fishing regulations do not apply to conforming actions. Makes changes concerning the Automated License Data system, license agents, the retrocession of jurisdiction by the United States over land within the state, the Range Management Advisory Committee, service on the Coastal Commission, civil liability for unauthorized diversion or use of water, permits for such use and diversion, adoption of conditions for small irrigation use, and a certain revolving fund.	09/03/2015 - *****To GOVERNOR.
SJR 1 Beall (D)	Social Security: Retirement Benefits: Public Employees		Requests the President and the Congress of the United States to pass legislation repealing the Government Pension Offset and the Windfall Elimination Provisions from the Social Security Act.	07/06/2015 - Chaptered by Secretary of State.;07/06/2015 - Resolution Chapter No. 92

October 12, 2015

Prepared by: F. Sanchez *FS*

Submitted by: P. Weghorst *PW*

Approved by: Paul Cook *Paul Cook*

ACTION CALENDAR

WATER SUPPLY RELIABILITY STUDY BUDGET INCREASE

SUMMARY:

On December 15, 2014, the Board approved a Professional Services Agreement with HDR Engineering, Inc. to update the District's 2008 Water Supply Reliability Study. The update will include evaluation of impacts of various supply and system interruption scenarios and will include development of enhanced modeling tools. Staff has determined that additional work is needed to update the study beyond the original scope of work and that a budget increase is needed to facilitate the work. Staff recommends that the Board authorize a budget increase to the FY 2015-16 Capital Budget in the amount of \$72,500 for project 11808 (6013).

BACKGROUND:

Consultants at CDM prepared a Water Supply Reliability Study for IRWD in 2008 to assist in defining potable water supply and system reliability under different scenarios. The study included analysis of how import supply shortages, climate change, facility outages and earthquake-related emergencies could affect demands, supplies and major conveyance facilities in IRWD's service area.

Since 2008, IRWD has implemented new projects that affect the need for the development of additional supplies that were identified in the 2008 study. There have also been significant changes in the potential reliability of supplies from both the State Water Project and the Colorado River. To facilitate the preparation of an update to the Water Supply Reliability Study, the Board approved a Professional Services Agreement with HDR on December 15, 2014. HDR's scope of work includes the following:

- Evaluation of the impacts of various water supply and system interruption scenarios;
- Development of enhanced software tools to assist in demand predictions and scenario evaluations;
- Evaluation of uncertainties associated with the proposed California Water Fix;
- Identifying impacts associated with potential Sacramento-San Joaquin River Delta levee failures;
- Consideration of the potential for long-term drought on the Colorado River;
- Assessment of the impacts of potential failure of the Edmonston Pumping Plant;
- Analysis of potential reductions in flows available for recharge in the Orange County Groundwater Basin; and
- Development of a model that will predict scenario impacts within IRWD's potable water system.

To enhance HDR's update to the Water Supply Reliability Study, staff has determined that additional work is required that was not included in HDR's original scope of work. Following is a description of this additional work and associated variance that has been prepared to HDR's Professional Services Agreement.

Consultant Agreement Variance No. 1:

To facilitate additional work that is necessary to complete the Water Supply Reliability Study, HDR has prepared the variance and scope of work that is attached as Exhibit "A". The scope of the work and associated costs were negotiated by staff and are considered fair and reasonable. The revised scope of work and variance extend the project schedule by five months to January 2016. The additional work to be performed by HDR is summarized as follows:

Additional Project Management:

The variance includes additional project management requirements to align IRWD's Water Supply Reliability Study with information being developed by the Municipal Water District of Orange County (MWDOC) for its Orange County Reliability Study as well as information being developed by Metropolitan Water District of Southern California (Metropolitan) for its Integrated Resources Plan update. Included are two additional meetings that are needed to further coordinate with Metropolitan and MWDOC. The variance also includes additional project management time to accommodate weekly conference calls requested by staff.

Demand Tool Workshop:

The revised scope of work includes a requirement to conduct an additional workshop to provide input to HDR relative to the Demand Tool that is being developed for the Water Supply Reliability Study. This workshop will allow staff to work with HDR to define requirements for the tool that will assist in making demand predictions associated with each supply and system reliability scenario.

Characterizing Supply Sources:

A workshop is included that will allow HDR and staff to discuss the complexity of the Orange County Groundwater Basin supply sources and to conceptualize how the Orange County Groundwater Basin will be simulated in the model that is being developed to evaluate each supply and system reliability scenario.

Scenario Planning:

As part of the revised scope of work, staff has requested additional work for HDR to prepare for the scenario planning workshop to be held with IRWD staff and various technical experts. A follow-up meeting to advance the discussion and to develop scenario specific parameters for use of the model is also included. Staff has also requested additional coordination with HDR technical experts on regional water supply issues.

Model Analysis:

Based on the results of the scenario planning workshops, staff has requested that HDR include one additional scenario in the preparation of the updated Water Supply Reliability Study. This request will allow the evaluation of multiple levels of uncertainties in future Colorado River flows. As a result of this request there will be 11 scenarios evaluated in the study.

To facilitate the above described work, an increase in the FY 2015-16 Capital Budget for the study is needed. Staff recommends that the Board authorize a budget increase for the study in the amount of \$72,500.

FISCAL IMPACTS:

Project 11808 (6013) is included in the FY 2015-16 Capital Budget. Staff requests a budget increase to Project 11808 (6013) in the amount of \$72,500 as shown below. Variance No. 1 with HDR in the amount of \$59,993 to complete the update to the Water Reliability Study will be executed under the authority of the Executive Director of Water Policy. Staff time to support these tasks and an allocation for contingency are included in the budget request.

Project No.	Current Budget	Addition	Total Budget
11808 (6013)	\$496,900	\$72,500	\$569,400

ENVIRONMENTAL COMPLIANCE:

This study is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15262, which provides exemption for planning studies.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Policy and Communications Committee on October 5, 2015.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE TO THE FY 2015-16 CAPITAL BUDGET IN THE AMOUNT OF \$72,500 FOR PROJECT 11808 (6013).

LIST OF EXHIBITS:

Exhibit "A" – HDR Water Reliability Study Scope of Work for Variance No. 1

EXHIBIT "A"
IRVINE RANCH WATER DISTRICT
PROFESSIONAL SERVICES VARIANCE

Project Title: Water Reliability Study

Project No.: 11808 (6013)

Date: September 23, 2015

Purchase Order No.: 5222695

Variance No.: 1

Originator: [] IRWD [X] ENGINEER/CONSULTANT [] Other (Explain) _____

Description of Variance (*attach any back-up material*):

Schedule and Cost Variance to extend final report deadline to January 2016 and modify scope to include additional workshops, meetings and coordination with IRWD staff and local agencies. See attachment.

Engineering & Management Cost Impact:

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
See Attachment for scope of work and cost estimate.			\$43,834	\$2,559	\$13,600	\$59,993
Total \$=						\$59,993

Schedule Impact:

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
6	Preliminary Recommendations (Board Workshop)	August 2015	4 months	Complete by 12/31/15
8	Final Report Deliverables	August 2015	5 months	Complete by 1/31/16

Required Approval Determination:

Total Original Contract	\$ <u>376,800</u>	<input type="checkbox"/> Director: Cumulative total of Variances less than or equal to \$50,000. <input checked="" type="checkbox"/> Executive Director: Cumulative total of Variances less than or equal to \$75,000. <input type="checkbox"/> General Manager: Cumulative total of Variances less than or equal to \$100,000. <input type="checkbox"/> Board: Cumulative total of Variances greater than \$100,000.
Previous Variances \$	<u>0</u>	
This Variance \$	<u>\$59,993</u>	
Total Sum of Variances	\$ <u>0</u>	
New Contract Amount	\$ <u>436,793</u>	
Percentage of Total Variances to Original Contract	<u>15.9%</u>	

ENGINEER/CONSULTANT: HDR Engineering, Inc.

IRVINE RANCH WATER DISTRICT

Jennifer Duffy, PE
Project Engineer/Manager

9/23/15
Date

Department Director

Date

K-D 201
Engineer's/Consultant's Management

9/23/15
Date

General Manager/Board

Date

**IRVINE RANCH WATER DISTRICT
PROFESSIONAL SERVICES VARIANCE REGISTER**

Project Title: Water Reliability Study

Project No.: 11808 (6013) Project Manager: Fiona Sanchez

Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
1	Modification of Schedule and Scope of work to include additional workshops and meetings with IRWD staff and local agencies.	09/23/15		\$59,993

HDR Water Reliability Study
Project 11808 (6013)
Variance # 1
September 23, 2015

Variance No. 1 includes tasks that were or will be undertaken at the request of IRWD staff to enhance the content of the Water Reliability Study and model.

The proposed schedule extension allows for further coordination and incorporation of regional information from MWDOC and MWD, and weekly project coordination meetings.

The revised schedule includes a final draft Report submittal in November, and a presentation to the Board in December or January.

The scope of work for tasks associated with Variance No 1 is included below:

Task 1 Project Management

The project management task will be extended through January, accommodating weekly PM conference calls and staff coordination through the completion of the project.

The project management task will also include 2 additional meetings with regional agencies to coordinate reliability modeling efforts.

Task 2 Demand Add on Tool

HDR and DCSE staff attended an IRWD Workshop on 2/20/15 to discuss the Demand Forecasting Tool (DFT). IRWD staff requested that this "out of scope" workshop be held so that the different departments could understand and offer input into the proposed Add-On Tool. The workshop discussion focused on what information was needed by District staff from different departments, that could not be easily accessed currently from the DFT, and how that information could be adjusted using the Add On Tool.

Task 3 Characterize Supply Sources

HDR and DCSE staff attended an IRWD Workshop on 5/8/15 to discuss the complexity of IRWD's access and agreements regarding its Groundwater Supply source. IRWD requested this workshop which was essential to integrating the information with the IRPDSM model.

Task 4 Scenario Planning

IRWD staff requested a pre-meeting to prepare for the Scenario Planning Workshop. The meeting was held on 8/4/15 to discuss the content and objectives of the workshop.

IRWD requested a follow-up Scenario Planning Workshop with IRWD staff, scheduled for 9/10/15, to advance the discussion held on 8/10-11/15 with the HDR technical experts and develop specific parameters for IRPDSM model input.

IRWD requested additional coordination with HDR's Technical Experts for supplementary input and coordination on regional water supply issues. The scope includes an additional 20 hours of Bob Johnson's time, and 16 hours each of Blaine Dwyer and Les Harder's time.

Task 5 Model Analysis

IRWD staff requested that HDR's subconsultant, DCSE, provide one additional scenario run, in addition to the 10 runs in the current scope of work. The additional scenario was developed in the Scenario Planning Workshop, for a total of 11 scenarios.

Engineering & Management Cost Impact: \$59,993

Classification	Manhours	Billing Rate (\$/hr)	Labor (\$)	Direct Costs (\$)	Subcon. (\$)	Total
Task 1 Project Management			\$ 21,528	\$ 315	\$ 7,200	\$29,043
Project Management	60	269	\$ 16,140	\$ 225	\$ 4,800	
Coordination Meetings with Regional Wholesale Water Agencies	12	269	\$ 3,228	\$ 45	\$ 2,400	
	12	180	\$ 2,160	\$ 45		
Task 2 Demand Add on Tool			\$ 1,347	\$ 23	\$ 800	\$ 2,170
DFT Workshop 2/20/15	3	269	\$ 807	\$ 11		
	3	180	\$ 540	\$ 11		
					\$ 800	
Task 3 Characterize Supply Sources			\$ 1,347	\$ 23	\$ 800	\$ 2,170
GW Workshop 5/8/15	3	269	\$ 807	\$ 11		
	3	180	\$ 540	\$ 11		
					\$ 800	
Task 4 Scenario Planning			\$ 19,612	\$ 2,199	\$ -	\$21,811
Scenario Planning Workshop Preparation 8/4/15	3	269	\$ 807	\$ 11		
	3	294	\$ 882	\$ 11		
	3	150	\$ 450	\$ 11		
Followup Scenario Planning Workshop 9/10/15	3	269	\$ 807	\$ 11		
	3	294	\$ 882	\$ 11		
	3	150	\$ 450	\$ 11		
	3	250	\$ 750	\$ 11		
Additional Coordination with Technical Experts	20	294	\$ 5,880	\$ 2,000		
	16	294	\$ 4,704	\$ 60		
	16	250	\$ 4,000	\$ 60		
Task 5 Model Analysis (one additional scenario run)					\$ 4,800	\$ 4,800
Total			\$ 43,834	\$ 2,559	\$ 13,600	\$59,993

October 12, 2015

Prepared by: Rob Jacobson

Submitted by: Cheryl Clary

Approved by: Paul Cook 

ACTION CALENDAR

SAND CANYON PROFESSIONAL CENTER – PHASE II DEVELOPMENT DESIGN CONSULTANT RECOMMENDATIONS

SUMMARY:

Based on lower vacancy rates, limited build-to-suit office opportunities and increased lease rates for available office space in the Irvine market area, staff recommends the retention of an architect and civil engineer for the design, planning and permitting of the planned Phase II office building at the Sand Canyon Professional Center site. Based on feedback from the District's commercial brokers and other market professionals, completed and approved building plans will significantly improve the marketability of the planned office property by reducing the project completion schedule by approximately eight to 12 months. Staff recommends that the Board approve the retention of Ware Malcomb to provide architectural services for the Sand Canyon Professional Center Phase II office building; authorize the General Manager to execute a contract with Ware Malcomb for an amount not to exceed \$419,000; approve the retention of Fuscoe Engineering to provide civil engineering services for the Sand Canyon Professional Center Phase II office building and authorize the General Manager to execute a contract with Fuscoe Engineering for an amount not to exceed \$143,000.

BACKGROUND:

In February 2008, the Board approved Phase I of the Sand Canyon Office Project on land adjacent to the Sand Canyon headquarters site. Phase I included construction of a 16,400 square foot medical office building, a community meeting room and the reconfiguration of the majority of the existing employee parking area. Phase I was completed in early 2012 and the medical office building is fully leased.

Phase II of the approved campus master plan includes the planned construction of an approximately 71,000 square foot professional office building on the remaining vacant land. The medical and professional office combination was originally recommended in a land use study, and the resulting tenant diversification has been further supported by other local real estate professionals based on the site's zoning, trip allocation constraints and market data for the area.

With improvements in office construction and leasing activity in the Irvine area, the District's brokers began marketing a build-to-suit office building on the site in June 2014. Based on initial feedback and concerns expressed by potential tenants and other commercial brokers regarding the previous conceptual building design, IRWD retained architects Ware Malcomb to provide revised conceptual designs for the future Phase II office building. Preliminary design concepts were reviewed with the Asset Management Committee in late 2014 and early 2015. A copy of the most recent conceptual building and site plan, including a planned outdoor meeting area for the use of all of the Sand Canyon Professional Center tenants including IRWD, is attached as Exhibit "A".

Architect Proposals and Selection:

Staff identified and requested proposals from three qualified firms to provide architectural, engineering and landscape design services for the Phase II office project. The three firms include LPA (architect for the Sand Canyon headquarters facility), Lee & Sakahara Architects (architect for the District's medical office property) and Ware Malcomb. A copy of the Request for Proposal and summary of the proposals received is attached as Exhibit "B".

Based on proposals received from the three firms, staff recommends that the District retain Ware Malcomb to provide required architectural services for the Phase II office project. Ware Malcomb is recommended due to its successful track record in designing similar professional office and "creative office" projects, its leadership in sustainable building design and its competitive fee proposal. In addition to providing recent design concepts for the planned Phase II building, Ware Malcomb was also the primary architect for tenant improvements at the Phase I medical office building. It has extensive experience and a strong rapport with the City of Irvine planning staff and the Irvine Company's design team.

The proposed fee to retain Ware Malcomb for architectural services is a not-to-exceed amount of \$419,000 (including an allowance for estimated reimbursable expenses of \$20,000). A copy of Ware Malcomb's Scope of Services and fee proposal is attached as Exhibit "C".

Civil Engineering Proposals and Selection:

Staff also requested proposals from three qualified firms to provide civil engineering services for the Phase II office project. The three firms include Fuscoe Engineering, RBF Consulting and Hall & Foreman, Inc. Proposals were received from Fuscoe and RBF; Hall & Foreman did not submit a proposal. A copy of the Request for Proposal and summary of the proposals received is attached as Exhibit "D".

Based on the proposals received, staff recommends that Fuscoe Engineering be retained to provide required civil engineering services for the Phase II office project. Fuscoe is recommended due to its experience with similar office projects and its competitive fee proposal. Fuscoe has worked extensively with the Irvine Company's design team and City of Irvine planning staff. The proposed fee to retain Fuscoe Engineering for civil engineering services is for an amount not to exceed \$143,000 (including an allowance for estimated reimbursable expenses of \$5,500). A copy of Fuscoe's Scope of Services & Fee Proposal is attached as Exhibit "E".

Next Steps:

Consistent with the design process utilized for previous District investment properties, staff anticipates a collaborative process with key input from the Asset Management Committee as well as input from staff, the District's commercial brokers and design consultants. Staff anticipates that approved building plans and all required permits will be completed in mid-2016.

FISCAL IMPACTS:

Projected design, planning and construction costs for the Sand Canyon Professional Center Phase II project of \$17.6 million are included in the FY 2015-16 Capital Budget (EPMS No. 11885/Oracle No. 6210). The proposed fee to retain Ware Malcomb for architectural services is for an amount not to exceed \$419,000 (including an allowance for estimated reimbursable expenses of \$20,000), and the proposed fee to retain Fuscoe Engineering for civil engineering services is for an amount not to exceed \$143,000 (including an allowance for estimated reimbursable expenses of \$5,500).

Stabilized net operating income for the Phase II property in Year 3 is estimated at \$1,790,000 per year, or a Return on Costs (including land) of approximately 8.7%, assuming an initial lease rate of \$2.00/square foot (NNN) and annual lease rate increases of 2.5%.

ENVIRONMENTAL COMPLIANCE:

A Final Environmental Impact Report has been prepared, certified and the project approved by the County of Orange Environmental Management Agency in compliance with the California Environmental Quality Act (CEQA) of 1970 (as amended), codified at California Public Resources Code Sections 21000 et. seq., and the State CEQA Guidelines in the Code of Regulations, Title 14, Division 6, Chapter 3.

COMMITTEE STATUS:

This item was reviewed by the Asset Management Committee on December 9, 2014, March 12, 2015, June 30, 2015 and September 29, 2015.

RECOMMENDATION:

THAT THE BOARD APPROVE THE RETENTION OF WARE MALCOMB TO PROVIDE ARCHITECTURAL SERVICES FOR THE SAND CANYON PROFESSIONAL CENTER PHASE II OFFICE BUILDING; AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONTRACT WITH WARE MALCOMB FOR AN AMOUNT NOT TO EXCEED \$419,000; APPROVE THE RETENTION OF FUSCOE ENGINEERING TO PROVIDE CIVIL ENGINEERING SERVICES FOR THE SAND CANYON PROFESSIONAL CENTER PHASE II OFFICE BUILDING AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONTRACT WITH FUSCOE ENGINEERING FOR AN AMOUNT NOT TO EXCEED \$143,000.

LIST OF EXHIBITS:

- Exhibit "A" – Sand Canyon Professional Center – Revised Conceptual Building Plan
- Exhibit "B" – Sand Canyon Professional Center – Architect RFP & Evaluation
- Exhibit "C" – Ware Malcomb Architects Scope of Services & Fee Proposal
- Exhibit "D" – Sand Canyon Professional Center – Civil Engineering RFP & Evaluation
- Exhibit "E" – Fuscoe Engineering Scope of Services & Fee Proposal

Exhibit "A"

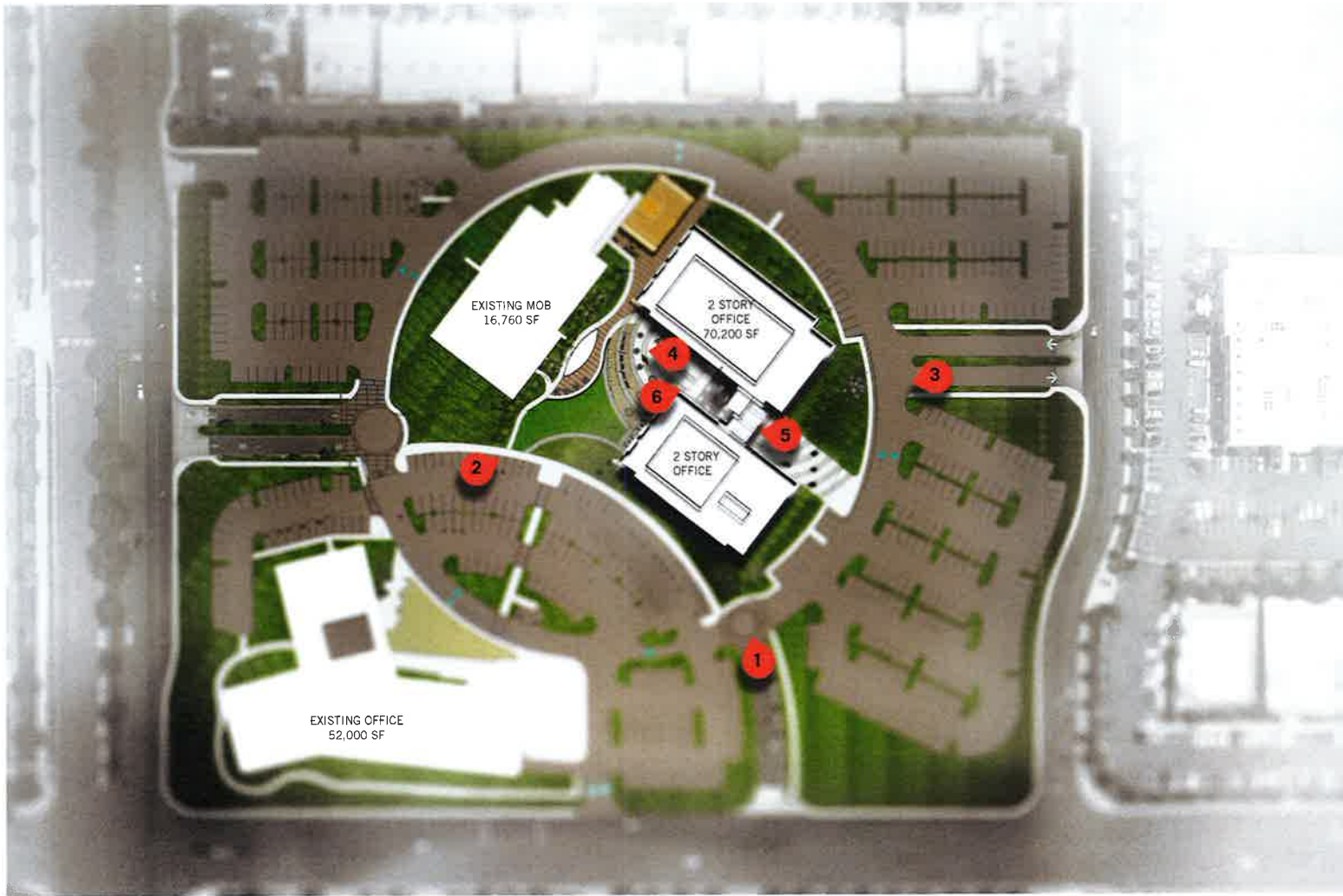


IRWD Business Center

SAND CANYON AVENUE, IRVINE, CA
IRV14-0175-00
CONCEPTUAL DESIGN
02.20.2015

WARE MALCOMB

architecture | planning | interiors
graphics | civil engineering



PROJECT DATA

SITE AREA:	13.36 AC (581,961 SF)
EXISTING ENTITLEMENT:	138,960 SF
BUILDING AREA:	138,960 SF
	EXISTING - 68,760 SF
	PROPOSED - 70,200 SF
FAR:	.24
PARKING:	614 STALLS @ 4.4/1000
	EXISTING STALLS: 303
STALLS	
	MOB - 91 STALLS @
	5.4/1000
	IRWD - 212 STALLS @
	4/1000
PROPOSED -	317 STALLS @ 4.5/1000W



SCHEME 2

Conceptual Site Plan

IRWD BUSINESS CENTER
SAND CANYON AVENUE, IRVINE, CA

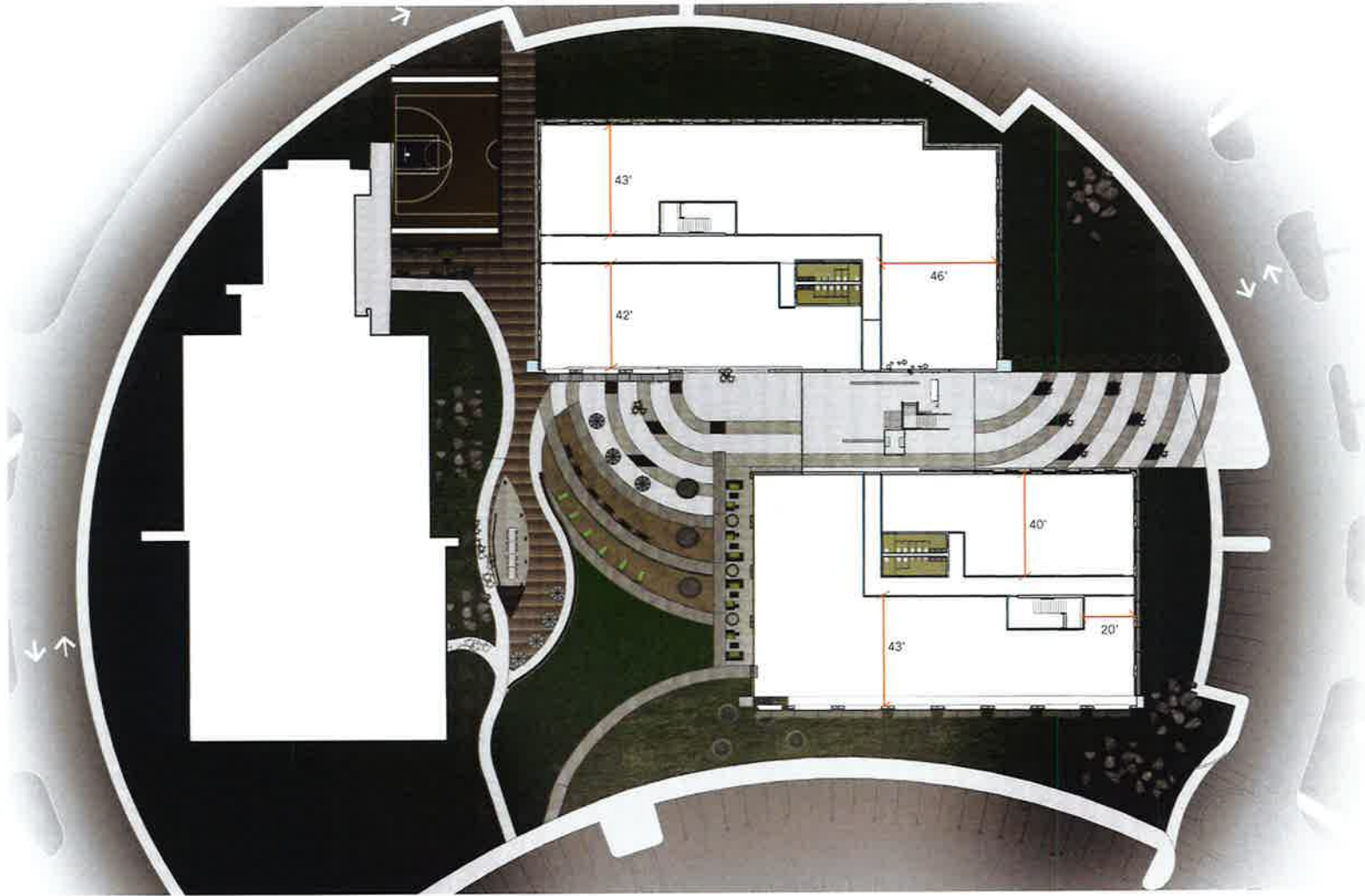
WARE MALCOMB

IRV14-0175-00
10.07.2015

SHEET
19

This conceptual design is shown with a preliminary nature of information and is not intended to be used for construction or other purposes. It is intended to provide a general overview of the project and is subject to change without notice. The client accepts all liability.





This conceptual design is based upon a preliminary review of equipment requirements and site conditions and should not be used for final design, construction, and is intended merely to assist in planning with the project engineer.



SCHEME 1

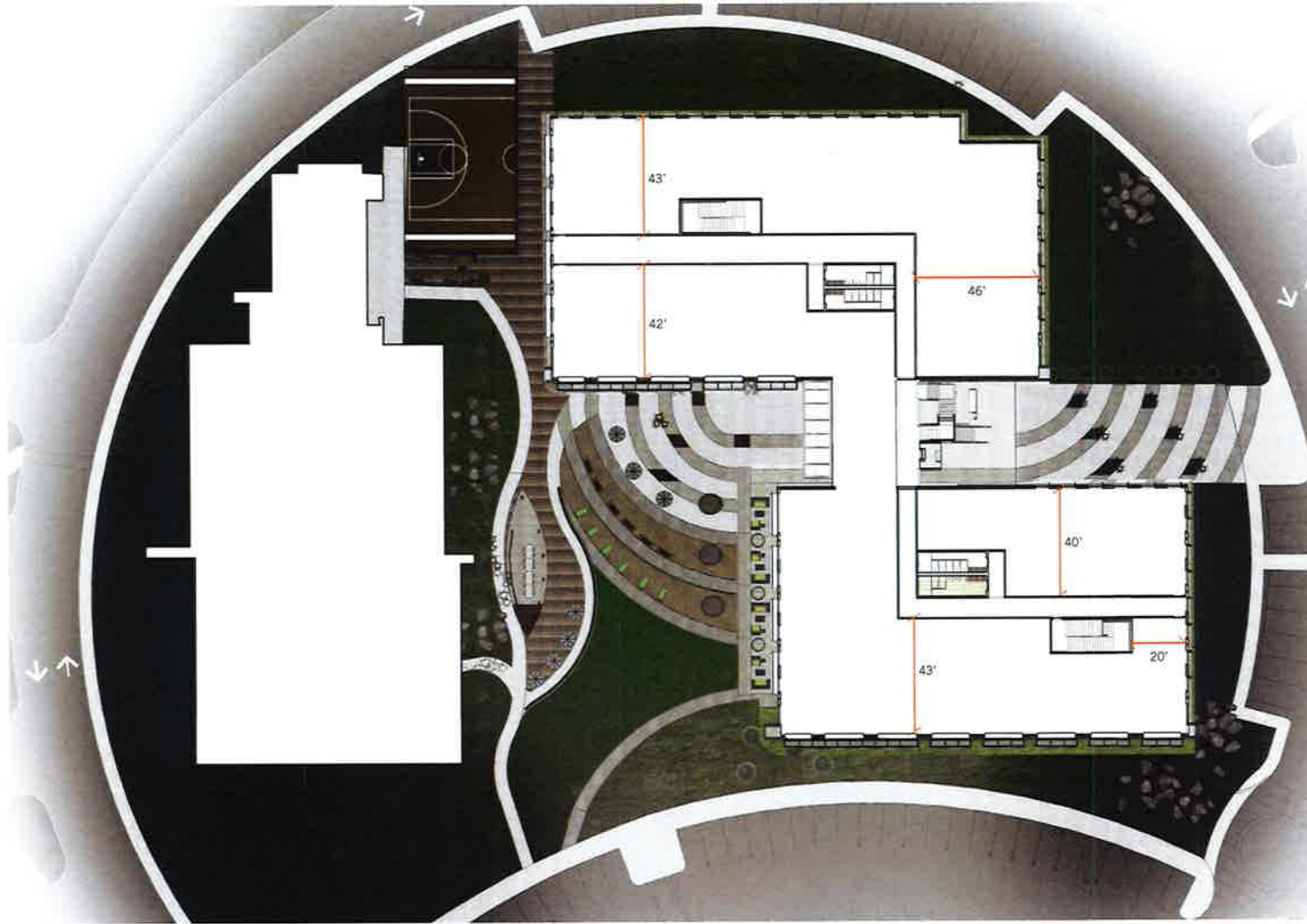
Conceptual First Floor

IRWD BUSINESS CENTER
SAND CANYON AVENUE, IRVINE, CA

WARE MALCOMB

IRV14-0175-00
02.20.2015

SHEET
2



SCHEME 1

Conceptual Second Floor

IRWD BUSINESS CENTER
SAND CANYON AVENUE, IRVINE, CA

This conceptual design is based upon a preliminary review of preliminary requirements and an assumed soil profile. It is not intended to be used for construction and is subject to change in response to the project design development.



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IRV14-0175-00
02.20.2015

SHEET
3



This conceptual design is not a guarantee, plan or contract. It is for informational purposes only. It is subject to change without notice. It is not intended to be used as a basis for any legal or financial decision. It is not intended to be used as a basis for any legal or financial decision.



SCHEME 1

2

Conceptual Perspective

IRWD BUSINESS CENTER
SAND CANYON AVENUE, IRVINE, CA

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IRV14-0175-00
03.12.2015

SHEET
14



SCHEME 1



Conceptual Green Space

IRWD BUSINESS CENTER
SAND CANYON AVENUE, IRVINE, CA

This conceptual design is based upon a preliminary review of information, opportunities and/or constraints and should not be used for construction or other purposes without the approval of the project engineer. It is intended to provide a general idea of the project's intent for illustration.

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03.12.2015

SHEET
16



This conceptual design is based upon a preliminary master plan and is subject to change without notice. It is not intended to be used for construction purposes and is not a contract. It is subject to change without notice. It is not intended to be used for construction purposes.



SCHEME 1

5

Conceptual Lobby

IRWD BUSINESS CENTER
SAND CANYON AVENUE, IRVINE, CA

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IRV14-0175-00
03.12.2015

SHEET
17

**SAND CANYON PROFESSIONAL CENTER
PHASE II OFFICE BUILDING**



**REQUEST FOR PROPOSAL
FOR ARCHITECTURAL/ENGINEERING SERVICES**

REQUEST DATE: Thursday – May 14, 2015
RESPONSE DUE DATE: Friday – May 29, 2015, 4:00 pm

Introduction:

The Irvine Ranch Water District (IRWD) is requesting a proposal from your firm to provide architectural and engineering services related to a planned 71,000 square foot office building, which will complete the build-out of its Sand Canyon Professional Center campus. IRWD intends to construct and hold the building for long-term lease purposes. The property site is a vacant parcel located at the corner of Waterworks Way and Odyssey in Irvine, CA.

General Project Information/Scope of Work:

The Scope of Work for the project shall include required design and engineering services (architectural design, structural design, MEP and landscape design) necessary for construction of the facility depicted in the conceptual plan previously completed by your firm, including the campus plaza area and other related sitework. The selected firm will work in coordination with a civil engineer to be retained separately by IRWD.

Expected deliverables include all necessary building and site plan approvals required for issuance of permits from required agencies/entities including the City of Irvine, Irvine Company, etal. Key features and criteria for the planned building and surrounding area include:

- An approximate 71,000 gross square foot, concrete tilt-up construction (unless a more economical form is identified)
- Two-story building with planned rooftop deck/patio area; Ceiling heights TBD
- Warm shell design planned for initial construction (includes lobby and restrooms)
- Use will be creative office and/or general office
- LEED certification required (Silver and higher levels to be evaluated)
- Exterior building design and finishes to compliment exterior design/finishes of adjacent IRWD headquarters facility and medical office building
- Covered parking/carport consistent with existing type (approximately 20-25 spaces)
- Parking lot ratio goal of 4.5/1000
- Outdoor campus plaza area design and improvement plans to be included
- Tenant improvements not included in initial design proposal (may be added at a later date)

Other Project Requirements:

IRWD's Asset Management Committee and Board of Directors will have an active role in the design review process. Your firm's proposal should assume attendance at three IRWD Asset Management Committee meetings during the plan design and review process (approximately one hour each), and one presentation to the Board of Directors. Any additional required Committee/Board meeting attendance shall be on a time and materials basis.

Project References:

Provide project and contact reference information for 3-4 similar type building design projects completed by your firm in the past three years.

Submittal Instructions:

Your fee proposal should include the following:

- A Basic Services fee schedule for building Shell & Core architecture and engineering services through each phase defined as:
 - o Design Development
 - o Construction Documents and Permitting
 - o Construction Administration Services

- Your firm's hourly rates fee schedule for additional required work

- A not-to-exceed reimbursable expense amount with a breakdown of line items

- A proposed schedule including major design, planning and permitting target dates

Please provide your electronic proposal no later than Friday, May 29 at 4:00 PM.

Recipient's questions may be directed to Rob Jacobson, Director of Treasury & Risk Management, at 949-453-5358, or by email at Jacobson@irwd.com

Hard copies may be delivered to: 15600 Sand Canyon Avenue
Irvine, CA 92618

SAND CANYON OFFICE - ARCHITECT PROPOSAL SUMMARY

Selection Criteria	Ware Malcomb Irvine, CA	LPA, Inc. Irvine, CA	Lee & Sakahara Irvine, CA
Firm Strength/Experience	<p>- 17 Offices (US, Can, Mex)</p> <p>Services include: Architecture, Engineering, LEED Certification, Tenant Improvements, Bldg Information Mgmt</p> <p>- Founded 1972</p> <p>- Tom Myers (Principal)</p> <p>- Experience w/City of Irvine: Excellent</p> <p>- Experience w/Irvine Co: Very Good</p>	<p>- 5 Offices (CA, Texas)</p> <p>Services include: Architecture, Engineering, LEED Certification, Tenant Improvements, Master Planning</p> <p>- Founded 1965</p> <p>- Dan Heinfield (Managing Dir)</p> <p>- Experience w/City of Irvine: Excellent</p> <p>- Experience w/Irvine Co: Excellent</p>	<p>- 2 Offices (Irvine, Las Vegas)</p> <p>Services include: Architecture, Engineering, LEED Certification, Master Planning</p> <p>- Founded 1979</p> <p>- Doug Lee (CEO/Principal)</p> <p>- Experience w/City of Irvine: Good (limited)</p> <p>- Experience w/Irvine Co: Good</p>
Project Team Strength	<p>Project lead: Jinger Tapia Principle, Design</p> <p>19+ Yrs Experience</p>	<p>Project Lead: D. Dusterhoff Associate</p> <p>Approx 20 Yrs Experience</p>	<p>Project Lead: Doug Lee Principle and CEO</p> <p>Approx 50 Yrs Experience</p>
Project Approach	<p>- Provided comprehensive and detailed Scope of Services, project team information, project references and fee schedule</p> <p>- Most competitive fee proposal</p> <p>Proposed Cost: \$419,000 (Including est reimbursable expenses)</p>	<p>- Provided comprehensive and detailed Scope of Services, project team information, project references and fee schedule</p> <p>- Less competitive fee proposal</p> <p>Proposed Cost: \$577,000 (Including est reimbursable expenses)</p>	<p>- Provided detailed Scope of Services, project team information limited, project references and fee schedule provided</p> <p>- Less competitive fee proposal</p> <p>Proposed Cost: \$580,000 (Including est reimbursable expenses)</p>
Related Project Experience	<p>Lakeshore Towers Irvine</p> <p>Mark IV Office Bldg Newport Beach</p> <p>IRWD Phase II Conceptual Irvine</p>	<p>IRWD Headquarters Bldg Irvine</p> <p>Jamboree Business Center Newport Beach</p> <p>Santa Clara Gateway Santa Clara</p>	<p>IRWD Medical Office Bldg Irvine</p> <p>Towne Center (Mixed Used) Laguna Hills</p> <p>CPS Corporate Center Irvine</p>

Proposal for Architectural & Engineering Services



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Irvine Ranch Water District (IRWD)

May 29, 2015

Mr. Rob Jacobson
Director of Treasury & Risk Management
Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, California 92618
e. jacobson@irwd.com

Cover Letter

- 1 | Firm Background
- 2 | References
- 3 | Additional Relevant Projects
- 4 | Proposal

May 29, 2015

Mr. Rob Jacobson
Director of Treasury & Risk Management
Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, California 92618

Proposal for Architectural & Engineering Services

Sand Canyon Professional Center
Phase II Office Building; ± 71,000 SF
Irvine, California

I. Project Description:

Our proposal is based upon the Request for Proposal (RFP) dated May 14, 2015, and outlines architectural design services for Irvine Ranch Water District's (IRWD) project located at the corner of Waterworks Way and Odyssey in Irvine, California. This proposal is based upon the Conceptual Design exhibits created by Ware Malcomb that have been included in the RFP. Ware Malcomb understands the scope of work to include a new shell and core office building and related site improvements, including the following key features and criteria (excerpt from RFP):

- An approximate 71,000 gross square foot, concrete tilt-up construction (unless a more economical form is identified).
- Two-story building with planned rooftop deck/patio area; ceiling heights TBD.
- Warm shell design planned for initial construction (includes lobby and restrooms).
- Use will be creative office and/or general office.
- LEED certification required (Silver and higher levels to be evaluated).
- Exterior building design and finishes to compliment exterior design/finishes of adjacent IRWD headquarters facility and medical office building.
- Covered parking/carport consistent with existing type (approximately 20-25 spaces).
- Parking lot ratio goal of 4.5/1000.
- Outdoor campus plaza area design and improvement plans to be included.
- Tenant improvements not included in initial design proposal.

A. The following consultants/disciplines are to be included under Ware Malcomb's scope and responsibility.

1. Structural Engineering
2. Mechanical, Plumbing, Electrical Engineering
3. Landscape Design
4. LEED Management (Ware Malcomb)

B. The following consultants/disciplines are to be under IRWD's or their selected General Contractor's scope and responsibility. However, Ware Malcomb shall coordinate with these consultants/disciplines for a complete package.

1. Civil Engineering
2. Geotechnical Engineer
3. Fire Sprinkler Design (Design-Build)
4. Fire Alarm Design (Design-Build)
5. Third-Party Commissioning Agent

- C. Refer to Exhibit A for proposed design schedule.
- D. Architectural Design Drawings will be prepared using Building Information Modeling (BIM) software (Autodesk REVIT) to Maximum Level of Development of LOD 300 as defined by American Institute of Architects (AIA) BIM Protocol (E202 - 2008):

LOD 300- The Model Element is graphically represented within the Model as a specific system, object or assembly in terms of quantity, size, shape, location, and orientation.

II. Basic Services:

A. Planning Approval / Schematic Design Phase:

Ware Malcomb shall prepare conceptual site plan and elevations to support IRWD for approval by Irvine Company, the City of Irvine's Planning Commission and if applicable, approval by the City Council. The package shall include graphics that convey the general scope and character of the proposed building and site configuration (up to 3 revisions).

1. Review the preliminary plans with appropriate governmental agencies. Code issues, zoning requirements, as well as governmental approval processes will be documented and reviewed with IRWD for planning and action.
2. Prepare appropriate exhibits, applications and data, and submit plans to local Planning authorities for approval. It is Ware Malcomb's understanding that the proposed office use is an approved use for the site, and the site is already entitled for the proposed new building area, however the City Planning Department will require a "Minor Modification" submittal of this specific project for final review and acceptance.
3. Attendance at the following:
 - Up to three (3) IRWD Asset Management Committee meetings.
 - Up to one (1) presentation to the Board of Directors.
 - Up to one (1) City Planning Commission meeting, as requested by IRWD.
4. All other exhibits, studies and reports that may be required for submittal such as Traffic Studies, Noise Studies, Biological Studies, Archeological Studies, Environmental Studies or EIRs, and/or Title Notification maps, Mailing Lists and Labels shall be prepared by others.

B. Design Development Phase:

Upon Planning approval of the Schematic Design Package, or as authorized by IRWD, Ware Malcomb will proceed with the Design Development Phase. Design Development documents shall illustrate and describe further the design of the project, establish the scope, forms, size and appearance of the project by means of plans, sections and elevations, and typical construction details. The Design Development Documents shall include outline specifications that identify major material and systems and establish in general their quality levels. (up to 2 revisions)

1. Prepare and further develop drawings and details of significant aspects of the design, including the following:
 - a. Preliminary Structural Design Package.
 - b. Preliminary Landscape Design.
 - c. Preliminary Mechanical, Electrical, and Plumbing design packages.
 - d. Exterior building elevations.
 - e. Preliminary wall sections.
 - f. A preliminary analysis for the Exterior Wall Systems, including construction feasibility, economy and integration with Client's standards.
 - g. Develop and present materials and color selections.
2. Core Improvements: Prepare Interior Design Development plans and documents for the lobby configurations, restrooms and elevators, based on the preliminary design plan previously approved.
 - a. Sketches including special treatment, features, and design amenities.
 - b. Interior architectural elements including lighting concepts, millwork and design details. (Lighting Design Consultant not included).
 - c. Loose material selections to communicate colors, materials and finishes, including wall treatments and floor coverings recommendations. Includes two (2) revisions.
3. Coordinate design professionals within Ware Malcomb's scope and distribute design development document packages to those deemed appropriate by Owner, which may include Owner's Contractors, Consultants, Engineers or, Design/Build Contractors.
4. Refine and complete preliminary Elevations and Roof Plan to reflect the location of screening walls, roof drains, building-mounted lighting, and further refine the Preliminary Site Plan and Floor Plans.

C. Contract Document Phase:

Prepare Contract Documents based on the approved Design Development documents or as authorized by IRWD. The Contract Documents shall set forth in detail the requirements for construction of the project. The Contract Documents shall include drawings and specifications, as follows:

1. Prepare Architectural and Structural Contract Documents, and specifications for shell, core, and architectural portions of the site work.
2. Prepare interior lobby and restroom core Contract Documents, as applicable, including plans, elevations, finish plans, details and schedules as appropriate.
3. Coordinate design professionals within Ware Malcomb's scope and distribute design development document packages to those deemed appropriate by Owner, which may include Owner's Contractors, Consultants, Engineers or, Design/Build Contractors.
4. Prepare final finish boards illustrating final color and material selections. One (1) revision is included.
5. Provide Mechanical, Electrical, and Plumbing Construction Documents.

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6. Provide Landscape, Hardscape, and Irrigation Construction Documents.
7. Architect's drawings and specifications to be sealed by Ware Malcomb. (Design/build systems specifications, if applicable, will be provided by others).
8. Prepare submittal of documents for local Building and Safety Plan Check review. Track documents through review process, complete necessary corrections and obtain approvals.
9. Assist IRWD and provide all required documentation for competitive bidding to General Contractors.
10. Ware Malcomb shall provide general coordination with documents prepared by its engineers and consultants, and coordination with IRWD's consultants and contractors. Review the work of such documents prepared by others is only for conformance to Ware Malcomb's contract documents.

D. Contract Administration:

Included in such services, Ware Malcomb will:

1. Visit the site up to a maximum sixteen (16) bi-monthly visits to become generally familiar with and keep the Owner informed about the progress and quality of the portions of the Work completed. Ware Malcomb will determine in general if the Work is being performed in a manner indicating that the Work when fully completed will be in accordance with the Contract Documents. Continuous on-site inspections are excluded.
2. Issue clarification sketches in a timely manner, based on receipt of written RFI's prepared by the General Contractor.
3. Have the authority to reject work that does not conform to the Contract Documents, however, neither this authority, nor the decision in good faith whether to exercise it, shall give rise to a responsibility or duty of Ware Malcomb, subcontractors or others performing portions of the work.
4. Review Contractor submittals and take appropriate action for the limited purpose of checking conformance with the design concept conveyed in documents prepared by Ware Malcomb.
5. Coordinate with Contractor in its responsibility to prepare a punch list and comply with closeout procedures and submittals. Ware Malcomb shall perform one (1) punch walk and one (1) follow-up job walk within the scope of Basic Services.
6. Review Contractor's applications for payment, based on Ware Malcomb's best knowledge, information and belief, subject to any subsequently discovered information.

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III. LEED Basic Services:

A. LEED® Implementation Services:

LEED® Implementation Services will include coordination with IRWD's LEED® Manager (Ware Malcomb or to be determined) and the Commissioning Agent. The services include:

1. Architectural Services: Provide LEED® documentation and support for architecturally related LEED® credits. Assist Owner in developing the Owner's Program Requirements (OPR) and develop the Basis of Design (BOD).
2. Mechanical & Plumbing Services: Assist in the development of the of the energy budget calculations, assist in the review of the Water Efficiency Calculations, provide ASHRAE Standard 62 Ventilation Calculations, provide ASHRAE Standard 55 Thermal Comfort Calculations, attend LEED® Management and Commissioning Provider coordination meetings.
3. Electrical Services: Perform additional engineering review of the electrical systems components including energy saving measures as required for LEED® Certification, and attend LEED® Management and Commissioning Agent coordination meetings.
4. Landscape Services: Provide LEED® documentation for hardscape and landscape design elements, which include water conservation saving measures planting selection for LEED® Certification and attend LEED® Management and Commissioning coordination meetings.

Ware Malcomb shall provide LEED® management services for the building and the on site improvements which will be registered with the US Green Building Council (USGBC) for certification under the LEED® Rating System by IRWD and the Commissioning Agent (to be determined) for LEED® Certification. LEED® services are included from preconstruction through construction and final commissioning.

B. LEED® Management Phase:

1. LEED® Development:

- i. LEED® Scoping Meeting - Ware Malcomb will facilitate an initial meeting to determine an achievable approach to gaining enough credits to meet the LEED® Rating goal.
- ii. Design Team Credit Review Meeting (Charrette) - Ware Malcomb will conduct a half day meeting with the design team (developer, Ware Malcomb, MEP engineers, landscape architect, and general contractor) to review the individual prerequisites and credits to determine the following:
 - Assign specific credit responsibilities
 - Determine the potential and desire to achieve the credit (yes, maybe, no)
 - Identify implementation issues
 - Identify action items and timing

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2. LEED® Management Services:

This task commences with the registration of LEED® with the USGBC. Ware Malcomb will manage the overall process of achieving credits. Project team members will be responsible for generating and uploading the necessary documents utilizing the LEED® online tools and for submitting necessary documentation in Acrobat “.pdf” file format.

Ware Malcomb will continue to compile credit information and summarize the status of meeting all the defined requirements. Project team conference calls or meetings will be held to summarize the status of the project and each credit, and to receive feedback from each member on the issues that may be hindering progress or attainment. The summary of tasks is as follows:

- i. Register the project with USGBC (all fees paid directly by the owner).
- ii. Configure the USGBC project site, populating project information, team members, credit assignments, etc.
- iii. Manage the status and progress of credit compliance.
- iv. Oversee the team progress pursuing credits.
- v. Verify documents submitted by each team member.
- vi. Work with the owner assessing credit decisions.
- vii. Provide overall certification guidance.
- viii. Design Phase Meetings two (2) total.
- ix. Construction Phase Meetings three (3) total.
- x. Provide a general (Division 0) LEED® specification.
- xi. Formally submit credits to USGBC for review.
- xii. Coordinate final LEED® Certification.

3. LEED® Management Services Clarifications:

The following are clarifications associated with this proposal for the tasks proposed:

- i. Implementation of any specific credit is not included unless specifically identified.
- ii. Construction cost estimates are not included.
- iii. Registration fees associated with LEED®, including Credit Interpretation Requests are not included.
- iv. Copies or distribution of the LEED® Reference Guide is not included.
- v. Providing an FTP website to host documents is not included (not required).
- vi. Ware Malcomb does not guarantee certification of the project.
- vii. Owner, design, and construction team member fees for evaluating and implementing individual credits as well as attending LEED® Coordination Meetings is not included.

C. **Energy Modeling Phase:**

Optimize Energy Performance:

Ware Malcomb shall provide computer modeling of the project based on information provided by the Mechanical and Electrical Engineers and shall run computer design scenarios to obtain at least two (2) credits under the LEED® Energy performance credit.

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IV. Excluded Services:

Ware Malcomb will not provide the services listed below.

- A. Soils engineering, studies, or reports.
- B. Permits or Agency fees.
- C. Fire suppression or alarm systems (design-build).
- D. Special studies such as Traffic, Noise, Utility or Environmental studies.
- E. Off-Site Improvements.
- F. Hazardous materials identification, storage, or abatement.
- G. Roof Inspection or acoustical design.
- H. Confirmation and/or verification of the accuracy and/or completeness of documents or information received from others.

V. Supplemental Services:

The following items are not contemplated or included within Ware Malcomb's Scope or Fee. Ware Malcomb may perform certain services among the list below as an additional service and for an additional fee.

- A. Civil Engineering or Documents.
- B. Emergency generator and fuel system design or storage tanks.
- C. Parcel maps, lot line adjustments, zone changes or environmental clearances.
- D. Variances, Conditional Use Permits, Legal Descriptions, or other Special Planning Processes.
- E. Security or Telecommunications System design or coordination.
- F. Energy management systems or Life Cycle cost analysis.
- G. Specialty Consultants such as Acoustic, Waterproofing, Elevator, or Curtainwall.
- H. Changes or revisions subsequent to completion of Design Development Phase, except for those required for refinement or code compliance.
- I. Signage or Public Art selection.
- J. Perspective or 3D Renderings or Models.
- K. Graphic Design services such as Identity/Logo, Stationery System, Branding, Marketing Materials/Leasing Brochures, Website, Multi-Media Presentations, and Environmental Graphics.
- L. Changes to the Program or building area.
- M. Preparation of meeting minutes during construction.
- N. As-Built drawings.
- O. Contract Administration more than sixty (60) days beyond date of substantial completion.
- P. Tenant Improvements or Interior Design beyond that specifically described in Basic Services.
- Q. Multiple bid processes or negotiations with General Contractors.
- R. Cost Estimating Services or Value Engineering.
- S. Provide assistance in the utilization of equipment or systems such as testing, adjusting and balancing, preparation of operation and maintenance manuals.
- T. Retaining wall design.
- U. Design of non-standard structural systems due to sub-grade seismic or soils conditions. Our fee is based on standard design for footings, slabs and structural building systems.
- V. BOMA Calculations.
- W. Any and all other services not specifically described as part of Basic Services.

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VI. Compensation:

Compensation for Basic Services: A. Planning Approval / Schematic Design Phase shall be an hourly not-to-exceed (NTE) fee of Fifteen Thousand Dollars (\$15,000.00), plus reimbursable expenses. Ware Malcomb will notify the Owner when we are approaching the not-to-exceed fee, and will request additional incremental fee at that time to continue services. Ware Malcomb shall invoice for services on a monthly basis.

Architectural Basic Services NTE Fee

A. Planning Approval / Schematic Design Phase: \$ 15,000.00

Compensation for Basic Services: B. Design Development Phase through D. Contract Administration Phase shall be a fixed fee of Three Hundred Forty-Five Thousand Dollars (\$345,000.00), plus reimbursable expenses. Invoicing shall be in accordance with the following breakdown:

Architectural Basic Services Fixed Fee

(includes Structural, Mechanical/Plumbing, Electrical, Landscape)

B. Design Development Phase:	\$ 121,000.00	
C. Contract Documents Phase:	\$ 172,000.00	
D. Contract Administration Phase:	<u>\$ 52,000.00</u>	
Total Architectural Base Fixed Fee:	\$ 345,000.00	(\$4.85/SF)

Compensation for Basic Services: E. LEED Management Services shall be a fixed fee of Thirty-Nine Thousand Dollars (\$39,000.00), plus reimbursable expenses.

E. LEED Management Services: \$ 39,000.00

Note: Ware Malcomb offers the following additional/integrated/in-house services. We may perform any or all of these services at your request for an additional fee:

1. Interior Architecture & Design
2. Graphic Design (including Signage)
3. Civil Engineering

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VII. Hourly Rates Schedule:

The following is Ware Malcomb’s Hourly Rate Schedule:

CEO/President	\$300/hr
Vice President	\$250/hr
Principal	\$225/hr
Director	\$150-200/hr
Studio Manager	\$125-150/hr
Sr. Project Architect/Sr. Project Mgr./Sr. Project Designer	\$120-150/hr
Project Manager/Architect	\$110-120/hr
Senior Project Coordinator	\$85-100/hr
Designer	\$75-95/hr
Project Coordinator/Designer	\$85-90/hr
Production Coordinator	\$75/hr
Admin./Clerical	\$65/hr

VIII. Reimbursable Expenses:

Standard expenses, such as those listed in Ware Malcomb’s General Terms of Agreement are in addition to our fees. Reimbursable expenses for such things as printing, plotting, renderings requested by Owner, postage and handling, delivery costs, travel and mileage, reproductions and facsimiles, are charged at the standard rate of cost plus fifteen percent (15%).

Reimbursable Expense Allotment (Estimate) \$ 20,000.00

IX. Payment to Ware Malcomb:

All payments shall be due upon receipt of invoice. Billings shall be based on a percentage of completion on a Phase basis. Fees for Contract Documents and any unpaid billings shall be due and paid prior to submittal for plan check.

If this proposal meets with your approval, please let us know and we will proceed with preparation of our Agreement for Professional Services.

Thank you for this opportunity and we look forward to working with you.

Best regards,

Ware Malcomb



Tom Myers, AIA LEED AP
Principal, Commercial Architecture

**SAND CANYON PROFESSIONAL CENTER
PHASE II OFFICE BUILDING**



**REQUEST FOR PROPOSAL
FOR CIVIL ENGINEERING SERVICES**

REQUEST DATE: Monday – August 10, 2015
RESPONSE DUE DATE: Wednesday – August 19, 2015, 5:00 pm

Introduction:

The Irvine Ranch Water District (IRWD) is requesting a proposal from your firm to provide civil engineering services related to a planned 71,000 square foot office building, which will complete the build-out of IRWD's Sand Canyon Professional Center campus. IRWD intends to construct and hold the building primarily for long-term lease purposes. The property site is a vacant parcel located at the corner of Waterworks Way and Odyssey in Irvine, CA (see attached). The conceptual campus site plan, which includes the IRWD headquarters facility, a recently constructed for-lease medical office building and the planned office building were previously approved by the City of Irvine and Irvine Company (design). Detailed plans which included the reconfiguration of the IRWD headquarters parking area and medical office property were completed and approved in 2009.

General Project Information/Scope of Work:

The Scope of Work for the project shall include all industry standard civil engineering requirements, construction documents, any mapping required and construction/post-construction services for the planned office building, campus plaza area and other related sitework. The selected firm will work in coordination with an architect and other consultants to be retained separately by IRWD.

Expected deliverables include all necessary plan approvals needed for issuance of permits from required agencies/entities including the City of Irvine, Irvine Company (design), etal. Key features and criteria for the planned building and surrounding area include:

- An approximate 71,000 gross square foot, concrete tilt-up construction two-story building with planned rooftop deck/patio area
- Creative office and/or general office use
- Minimum Standard LEED certification required (Silver and higher levels to be evaluated)
- Exterior building design and finishes to compliment exterior design/finishes of adjacent IRWD headquarters facility and medical office building
- Covered parking/carport consistent with existing type (approximately 20-25 spaces)
- Outdoor central campus plaza area design and improvement plans
- Parking lot ratio goal of 4.5/1000

Other Project Requirements:

IRWD's Asset Management Committee (AMC) and Board of Directors will have an active role in the design review process. Any required Committee/Board meeting attendance shall be on a time and materials basis.

Project References:

Provide project and contact reference information for 3-4 similar type building design projects completed by your firm in the past three years.

Submittal Instructions:

Your fee proposal should include the following:

- A Basic Services fee schedule and description of industry standard civil engineering services to be provided including:
 - o Preliminary Engineering Requirements:
 - Research, boundary survey, topo survey, base map and other necessary project requirements
 - o Construction Documents, Plan Processing and Permitting:
 - Horizontal control plan, precise grading plan, storm drain plan, hydrology requirements, sewer and water plans, erosion control plan, demolition plan, required traffic/street plans, SWPPP/water quality control plan and other project requirements
 - o Construction & Post Construction Services
 - Field/job site visits, clarifications and responses to information as requested, prepare civil punch list and final certification, prepare As-Built drawings
- Allocation of hours included for attendance at client/consultant meetings.
- Your firm's hourly rates fee schedule for additional required work.
- A not-to-exceed reimbursable expense amount with a breakdown of line items.
- A proposed schedule assuming client, architect and other project consultants meet industry standard design schedules.

Please provide your electronic proposal no later than Wednesday, August 19 at 5:00 PM.

Recipient's questions may be directed to Rob Jacobson, Director of Treasury & Risk Management, at 949-453-5358, or by email at Jacobson@irwd.com

Hard copies may be delivered to: 15600 Sand Canyon Avenue
Irvine, CA 92618





Irvine
San Diego
Ontario
Los Angeles
El Centro
San Ramon

Exhibit A
Scope of Services & Fee Proposal
Irvine Ranch Water District
Sand Canyon Professional Center

August 19, 2015

1.0 PROJECT DESCRIPTION

This project is to construct a 71,000 square foot office building to complete the build out of IRWD's Sand Canyon Professional Center Campus. The project site is currently vacant and is approximately 5.5 acres in size and located at the corner of Odyssey and Waterworks Way in Irvine.

2.0 PURPOSE OF SERVICES

Provide civil engineering services including research, mapping, design, survey, reconstruction work, and construction/post construction services. The project is to be considered as one phase for design purposes. This does not include construction surveying.

3.0 BASIC SERVICES

PRELIMINARY ENGINEERING

Task 1. Research and Site Evaluation

Research, compile and analyze existing record engineering plans and reports and survey and mapping data to establish criteria and constraints for design, including a site visit. A base map indicating existing improvements, lot lines, rights-of-way, easements, existing utilities, site features, and topography will be shown. Title Report and prior mapping efforts to be provided by client, if available. Items from Tasks 2 and 3 will incorporated into the base map.

Fee \$1,750

Task 2. Boundary Verification

Field verify boundary including existing monument search.

Fee \$2,500

Task 3. Topographic Survey (Aerial)

Prepare a Topographic Survey Map from aerial photogrammetry. This task includes aerial network ground control and photogrammetric services. Contours will be plotted at an interval of one foot (1').

Fee \$6,500

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Task 4. Plot Plan

Prepare one computer generated and dimensioned Plot Plan to show final lot lines, building footprints, setback dimensions, streets, drive aisles, parking zones, and common use/recreational areas. Revisions by Client and architect are not included.

Fee \$5,000

Task 5. Supplemental Topography

Prepare Field Topography to supplement existing Topography of site-specific locations, such as edge conditions, locations and elevations of existing improvements and areas where proposed improvements join existing improvements.

Fee \$4,000

Task 6. Low Impact Development Hierarchy Evaluation

Using the criteria set forth in the OC Technical Guidance Document (2013), evaluate the feasibility of implementing LID BMPs with respect to the infiltration, harvest and reuse, biotreatment and treatment control BMPs. Utilize the technical criteria to determine which BMPs are more appropriate and are most compatible with the site plan. Once the preferred BMP is identified, optimize the size, location and typical detail through an iterative process to meet the volume-based treatment requirements.

Fee \$3,500

Task 7. Preliminary Grading and Drainage

Prepare a Preliminary Grading and Drainage Study. Work includes preliminary earthwork quantities to achieve earthwork balance, and rule of thumb hydrology to determine storm drain sizing and preliminary alignments. Preliminary grading will also conceptualize the site edge conditions as well as indicate any proposed retaining walls. This study will be refined with Client and agency input to reflect the general design for this project. Includes BMP's required for water quality. This also includes implementation on the findings from Task 6.

Fee \$8,500

Task 8. Fire Master Plan

Prepare one Fire Master Plan showing fire access and hydrant locations for OCFA review. Assumes alternative means and methods is not required.

Fee \$3,500

Preliminary Engineering Subtotal \$35,250

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CONSTRUCTION DOCUMENTS

Task 9. Water Quality Management Plan (WQMP)

Prepare a WQMP in conformance with the requirements of the local Agency and NPDES Stormwater Permit, as approved and amended from time-to-time by the local Regional Water Quality Control Board. WQMP shall include site design, source control, LID features and treatment control BMPs and an approved Operation and Maintenance Agreement for all approved BMPs.

Fee \$9,000

Task 10. Precise Grading Plan

Prepare and submit for approval one Precise Grading Plan with finish surface design outside the building footprint. Sidewalks and fencing to be shown for reference only with construction details per Landscape Architect's plans. Includes agency plan check revisions, construction notes, quantities and construction details. Excludes roof deck level grading plan. Includes horizontal control plan, erosion control plan, demolition plan and rough grade plan.

Fee \$32,000

Task 11. Stormwater Pollution Prevention Plan (SWPPP)

Prepare a SWPPP for construction use by the Client, compliant with the State Water Resources Control Board's General Construction Permit. The SWPPP shall prescribe Best Management Practices (BMPs) consistent with CASQA Stormwater BMP Handbook. SWPPP shall include risk assessment calculations, phasing exhibits, and post-construction water quality measures. Preparation of the SWPPP also includes enrollment of the project on the State's SMARTS database including NOI, submittal of Permit Registration Documents and obtainment of WDID number. All associated enrollment and annual fees will be provided by the Client. Note: Construction site inspections, rain response monitoring, Annual Reports, SWPPP Updates and Change Of Information (COI) / Notice Of Termination (NOT) not included and provided under separate authorization.

Fee \$6,500

Task 12. Sewer and Water Plans

Prepare and submit for public agency approval, one set of Sewer Improvement Plans. Plan will indicate sewer main alignment and sizing, manholes, laterals, and sewer profiles. Includes plan check revisions, construction notes, quantities, and construction details. Included with the sewer plans will be one set of Domestic Water Improvement Plans. Plan will indicate water main alignment and sizing, and locations and sizing of fire hydrants, water meters, and valves. Includes plan check revisions, construction notes, quantity estimate and details. Field survey of potholing provided by others at connections to existing facilities is/is not a part of this work.

Fee \$9,500

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Task 13. Underground Fire Plan

Prepare and submit one set of Underground Fire Plans. Includes Fire Marshall approval and verification of fire flows. Includes coordination with fire sprinkler consultant for locations and sizing of detector checks and fire lines. Includes plan check revisions, construction notes, quantities, and construction details.

Fee **\$4,500**

Task 14. Onsite Storm Drain Plans

Prepare and submit for approval one set of Onsite Storm Drain Plans for storm drain within the connector road. On-site local hydrology and hydraulic calculations are included with this task.

Fee **\$7,500**

Task 15. Drainage Report

Prepare and submit for agency approval one Drainage Report. Includes hydrology and hydraulic calculations, required hydromodification calculations, and plan check revisions.

Fee **\$6,500**

Task 16. Composite Utility Plan

Prepare one Composite Utility Plan for the project which indicates the proposed and existing sewer, water, storm drain, power, telephone, gas, and CATV systems, as well as manholes, valves, vaults, transformers, street lights, and fire hydrants. Assumes dry utility consultant will provide electronic files of the utilities within their scope of work.

Fee **\$2,500**

Task 17. Legal Description and Exhibit

Prepare one legal Description and Exhibit for sewer and water easements.

Fee **\$4,000**

Task 18. Design Phase Project Coordination

Provide Design Phase Project Coordination, such as meeting attendance, coordination with design team and consultants, and special studies as requested by Client.

Hourly (*Estimate) **\$8,000**

Construction Documents Subtotal **\$90,000**

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Irvine Ranch Water District

Sand Canyon Professional Center

August 19, 2015

CONSTRUCTION AND POST CONSTRUCTION SERVICES

Task 19. Construction Phase Project Coordination

Provide Project Coordination during construction including field consultation, substantial conformance reviews, site visits, and bond exoneration assistance. Includes responses to RFI's, review of submittals, as-built preparation, civil punch list, clarifications, and issuance of certifications. Does not include survey efforts.

Hourly (*Estimate) \$12,000

Construction and Post Construction Services Subtotal \$12,000

TOTAL FEE PROPOSAL \$137,250

OPTIONAL SERVICES

Task 20. Specifications

Prepare technical specification documents for the work outlined above. Task assumes Client or Architect to provide "boilerplate" specifications for civil specified construction items that Consultant shall redline and/or edit.

Fee \$4,500

Task 21. Miscellaneous Exhibits

Prepare miscellaneous exhibits for as requested by the Client.

Hourly (*Estimate) \$4,000

Task 22. Landscape and Building Footprint Changes

Import revised architectural footprints and landscape bases at design development and construction document level.

Hourly (*Estimate) \$4,000

Items not included:

1. Traffic Control Plans
2. Offsite Improvement Plan or Calculations
3. Potholing Existing Utilities
4. Technical Site Plan
5. Tentative and Parcel Tract Map
6. Roof Deck Grading Plan

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SUMMARY OF SCOPE OF WORK AND FEES

Preliminary Engineering

Task 1.	Research and Site Evaluation	Fee	\$1,750
Task 2.	Boundary Verification	Fee	\$2,500
Task 3.	Topographic Survey (Aerial)	Fee	\$6,500
Task 4.	Plot Plan	Fee	\$5,000
Task 5.	Supplemental Topography	Fee	\$4,000
Task 6.	Low Impact Development Hierarchy Evaluation	Fee	\$3,500
Task 7.	Preliminary Grading and Drainage	Fee	\$8,500
Task 8.	Fire Master Plan	Fee	\$3,500

Preliminary Engineering Subtotal **\$35,250**

Construction Documents

Task 9.	Water Quality Management Plan (WQMP)	Fee	\$9,000
Task 10.	Precise Grading Plan	Fee	\$32,000
Task 11.	Stormwater Pollution Prevention Plan (SWPPP)	Fee	\$6,500
Task 12.	Sewer and Water Plans	Fee	\$9,500
Task 13.	Underground Fire Plan	Fee	\$4,500
Task 14.	Onsite Storm Drain Plans	Fee	\$7,500
Task 15.	Drainage Report	Fee	\$6,500
Task 16.	Composite Utility Plan	Fee	\$2,500
Task 17.	Legal Description and Exhibit	Fee	\$4,000
Task 18.	Design Phase Project Coordination	Hourly (*Est.)	\$8,000

Construction Documents Subtotal **\$90,000**

Construction and Post Construction Services

Task 19.	Construction Phase Project Coordination	Hourly (*Est.)	\$12,000
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Construction and Post Construction Services Subtotal **\$12,000**

TOTAL **\$137,250**

Reimbursables Budget (Est.) \$5,500

***Not to exceed without prior authorization**

This Fee Proposal is Valid for Thirty (30) Days from the Date of this Document.

Fusco Engineering, Inc. will perform the services on a fixed fee basis, except where noted. Services rendered outside of the scope will be performed at prevailing hourly rates. Costs of blue-printing, deliveries and out-of-pocket expenses are not included and will be considered reimbursable. A 10% surcharge will be added to the reimbursables to cover handling expenses.

It is the policy of Fuscoe to meet all schedule requirements while maintaining a competent and professional level of service. In return, it is expected that all invoices will be paid within thirty (30) days of receipt. Failure to do so could result in cessation of services and/or reassessment of service.