

REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
April 20, 2016, 8:30 a.m.

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

At this time, members of the public will be given an opportunity to address the Board concerning items within the subject matter jurisdiction of the Board. Members of the public may also address the Board about a particular Agenda item at the time it is considered by the Board and before action is taken. If the item is on the Consent Calendar, please inform the Board Secretary before action is taken on the Consent Calendar and the item will be removed for separate consideration.

The Board requests, but does not require, that members of the public who want to address the Board complete a voluntary "Request to be Heard" form available from the Board Secretary prior to the meeting.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Determine need and take action to agendize items(s) which arose subsequent to the posting of the Agenda. (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board members present, or, if less than two-thirds of the Board members are present, a unanimous vote of those members present.)

ITEMS DISTRIBUTED TO THE BOARD LESS THAN 72 HOURS PRIOR TO MEETING

Pursuant to Government Code section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection in the lobby of the District's business office located at 18700 Ward Street, Fountain Valley, California 92708, during regular business hours. When practical, these public records will also be made available on the District's Internet Web site, accessible at <http://www.mwdoc.com>.

NEXT RESOLUTION NO. 2029

CONSENT CALENDAR (Items 1 to 13)

(All matters under the Consent Calendar will be approved by one motion unless a Board member requests separate action on a specific item)

1. MINUTES

- a. March 2, 2016 Workshop Board Meeting
- b. March 16, 2016 Regular Board Meeting
- c. March 26, 2016 Special Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee: March 14, 2016
- b. Administration & Finance Committee: March 9, 2016

- c. Public Affairs & Legislation Committee: March 23, 2016
- d. Executive Committee Meeting: March 17, 2016

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of March 31, 2016
- b. MWDOC Disbursement Registers (March/April)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of February 29, 2016
- d. PARS Monthly Statement (OPEB Trust)
- e. Water Use Efficiency Projects Cash Flow

Recommendation: Receive and file as presented.

4. FINANCIAL REPORT

- a. Combined Financial Statements and Budget Comparative for the period ending February 29, 2016

Recommendation: Receive and file as presented.

5. PUBLISHING THE OC CITIES & WATER AGENCIES DIRECTORY

Recommendation: Receive and file report; not print the Directory in hard copy.

6. ADOPT POSITION ON AB 2022 (GORDON) – ADVANCED PURIFICATION DEMONSTRATION WATER

Recommendation: Adopt support position on AB 2022 (Gordon) and send a separate letter to the author and members of the Orange County delegation indicating our support.

7. ADOPT POSITION ON SB 885 (WOLK) – CONSTRUCTION CONTRACTS, INDEMNITY

Recommendation: Adopt oppose position on SB 885 (Wolk), sign on to the California Special Districts Association (CSDA) coalition letter, and send a separate letter to the author and members of the Orange County delegation indicating our opposition.

8. AWARD A PROFESSIONAL SERVICES CONTRACT TO BLACK & VEATCH ENGINEERS FOR ENGINEERING AND OPERATIONS ASSISTANCE ON PIPELINES IN ORANGE COUNTY

Recommendation: Authorize the General Manager to award a contract with Black & Veatch Engineers in an amount not to exceed \$25,000.

9. MWDOC'S 2015 URBAN WATER MANAGEMENT PLAN NOTICE OF A PUBLIC HEARING ON MAY 18, 2016

Recommendation: Establish May 18, 2016 as the public hearing date for Municipal Water District of Orange County's 2015 Urban Water Management Plan.

10. AUTHORIZE ATTENDANCE AT OCBC LEGISLATIVE TRIP, MAY 23-24, 2016, WASHINGTON, DC

Recommendation: Authorize attendance by the Board of Directors and members of staff as approved by the General Manager.

11. AUTHORIZE PURCHASE OF NEW COPIER

Recommendation: Authorize the General Manager to purchase a Ricoh Pro C5110 color copier at a cost of \$29,517 (including tax, software, installation, and training).

12. TRAVEL TO WASHINGTON DC TO COVER FEDERAL INITIATIVES

Recommendation: Receive and file the report as presented.

13. TRAVEL TO SACRAMENTO TO COVER STATE INITIATIVES

Recommendation: Receive and file the report as presented.

– End Consent Calendar –

ACTION ITEMS

14-1 AWARD OF PROFESSIONAL SERVICES CONTRACT FOR DOHENY SLANT WELL AND MOBILE TEST FACILITY DECOMMISSIONING

Recommendation: Authorize the General Manager to contract with Geoscience Support Services in the amount of \$185,122 (as described in their proposal, and based on the revised cost proposal dated April 12, 2016) for the Doheny Slant Well and Mobile Test Facility Decommissioning work. The work is being funded from the 2008 Doheny Desal Project.

14-2 ADOPT LEGISLATIVE POSITIONS

- a. AB 1925 (Chang) Desalination Statewide Goal
- b. SB 1292 (Stone) Grand Juries
- c. H.R. 4822 (Nunes) – Public Employee Pension Transparency Act

Recommendation: (1) Support AB 1925 (Chang); (2) Support SB 1292 (Stone); and (3) Support H.R. 4822 (Nunes); and send letters to the authors of the bills, and members of the Orange County delegation indicating our support.

DISCUSSION CALENDAR**15. DISCUSSION REGARDING MWDOC'S RATE STUDY AND BUDGET**

Recommendation: Discuss the options regarding MWDOC's rate study and direct staff as to which rate option to pursue; and discuss the draft budget and provide input to staff.

INFORMATION CALENDAR (All matters under the Information Calendar will be Received/Filed as presented following any discussion that may occur)

16. GENERAL MANAGER'S REPORT, APRIL 2016 (ORAL AND WRITTEN)

Recommendation: Receive and file report(s) as presented.

17. MWDOC GENERAL INFORMATION ITEMS

- a. Board of Directors - Reports re: Conferences and Meetings and Requests for Future Agenda Topics

Recommendation: Receive and file as presented.

CLOSED SESSIONS**18. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: *San Diego County Water Authority v. Metropolitan Water District of Southern California*; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 13, 2010, et al., former Los Angeles Superior Court, Case No. BS 126888, transferred on October 21, 2010, to San Francisco Superior Court, Case No. CPF-10-510830.

19. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: *San Diego County Water Authority v. Metropolitan Water District of Southern California*; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 10, 2012 to be Effective January 1, 2013 and January 1, 2014; and Does 1-10, et al., former Los Angeles Superior Court, Case No. BS137830, transferred on August 23, 2012, to San Francisco Superior Court, Case No. CPF-12-512466.

20. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: *San Diego County Water Authority v. Metropolitan Water District of Southern California*; all persons interested in the validity of the rates adopted by the Metropolitan Water of Southern California on April 8, 2014, et al., former Los Angeles Superior Court, Case No. BC547139, transferred on December 2, 2014, to San Francisco Superior Court, Case No. CPF-14-514004.

ADJOURNMENT

Note: Accommodations for the Disabled. Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by contacting Maribeth Goldsby, District Secretary, at (714) 963-3058, or writing to Municipal Water District of Orange County at P.O. Box 20895, Fountain Valley, CA 92728. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.

**MINUTES OF THE WORKSHOP BOARD MEETING
OF THE BOARD OF DIRECTORS OF
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (MWD OC)
WITH THE MWD OC MET DIRECTORS**

March 2, 2016

At 8:30 a.m. President Osborne called to order the Workshop Board Meeting of the Board of Directors of Municipal Water District of Orange County (MWD OC) at the District facilities located in Fountain Valley. Mr. Ray Miller led the Pledge of Allegiance and Secretary Goldsby called the roll.

MWD OC DIRECTORS

Brett R. Barbre*
Larry Dick*
Joan Finnegan
Susan Hinman (absent)
Wayne Osborne
Sat Tamaribuchi
Jeffrey M. Thomas (absent)

MWD OC STAFF

Robert Hunter, General Manager
Karl Seckel, Assistant General Manager
Joe Byrne, Legal Counsel
Maribeth Goldsby, Board Secretary
Harvey De La Torre, Associate General Mgr.
Kevin Hostert, Water Resources Analyst
Jonathan Volzke, Public Affairs Manager
Melissa Baum-Haley, Sr. Water Resource Analyst

*Also MWD OC MET Directors

OTHER MWD OC MET DIRECTORS

Larry McKenney
Linda Ackerman

OTHERS PRESENT

Miles Hogan
Lindsay Tabaian
William Kahn
Mark Monin
Bob Hill
Ken Vecchiarelli
Peer Swan
Paul Cook
Paul Weghorst
Debbie Neev
Rena Hinchey
Paul Shoenberger
Drew Atwater
Joone Lopez
Ray Miller
Saundra Jacobs
Dan Ferons
Dennis Erdman
Rick Erkeneff
Andy Brunhart
Mike Safranski

Aleshire & Wynder
Aleshire & Wynder
El Toro Water District
El Toro Water District
El Toro Water District
Golden State Water Company
Irvine Ranch Water District
Irvine Ranch Water District
Irvine Ranch Water District
Laguna Beach County Water District
Laguna Beach County Water District
Mesa Water District
Moulton Niguel Water District
Moulton Niguel Water District
San Juan Capistrano
Santa Margarita Water District
Santa Margarita Water District
South Coast Water District
South Coast Water District
South Coast Water District
Trabuco Canyon Water District

Gary Melton
Liz Mendelson-Goossens
Kelly Rowe
Ed Means
Richard Eglash

Yorba Linda Water District
San Diego County Water Authority
Water Resources Consultant
Means Consulting
Brady & Associates

ITEMS RECEIVED TOO LATE TO BE AGENDIZED - Determine need and take action to agendize item(s), which arose subsequent to the posting of the Agenda. (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board members present or, if less than two-thirds of the Board members are present, a unanimous vote.)

No items were presented.

ITEMS DISTRIBUTED TO THE BOARD LESS THAN 72 HOURS PRIOR TO MEETING

President Osborne inquired as to whether there were any items distributed to the Board less than 72 hours prior to the meeting with General Manager Hunter responding no items were distributed.

No items were distributed.

PUBLIC PARTICIPATION/PUBLIC COMMENTS

President Osborne inquired whether any members of the public wished to comment on agenda items.

No comments were received.

PRESENTATION/DISCUSSION/INFORMATION ITEMS

REVIEW PURPOSE OF MEETING/RECOMMENDATIONS FOR POTENTIAL CHANGES TO MEETING STRUCTURE BASED ON MEETING WITH SOUTH COUNTY AGENCIES

President Osborne advised that this item was agendized as a result of the recent meeting between MWDOC and the South County agencies, wherein several directors from the South County agencies requested that MWDOC's Workshop Board meeting be restructured to allow better input and dialogue between the agencies and MWDOC's MET Directors.

General Manager Hunter provided an overview of the discussion held at that meeting, advising that the goal of all the agencies was to improve communication between MWDOC and the member agencies. Some of the topics discussed at the South County meeting were: timing of issues presented to the agencies, possibly moving the time of the Workshop Board meeting, presenting follow-up to questions asked, and placing reports from the MET Directors as the first item on the Workshop Board agenda.

Director Sandra Jacobs (Santa Margarita Water District), Chair of the South County coalition, commented that the South County agencies have been discussing ways to move beyond the Settlement Agreement and foster a discussion and understanding on MET issues. She

suggested that (1) MWDOC take a position on significant issues after receiving input from the Member Agencies, (2) MET Directors report and update the agencies on actions taken after receiving input from the agencies and the MWDOC Board; and (3) use the Workshop Board meeting as an avenue to provide a clear understanding on MET issues and any impact these issues may have on the agencies.

Director Peer Swan (Irvine Ranch Water District) commented that historically MWDOC has served Orange County well, but that it was not meant to be a wall between MET and the agencies, but rather an avenue for communication between the two. As an example, he commented that the agencies should be better educated on the MET/San Diego litigation and its financial effects on the agencies.

Director Barbre commented that MWDOC's goal is to keep MET strong, which in turn provides stability to the agencies. He noted that the MWDOC Board does not direct its MET Directors how to vote, but provides input on issues as to the direction they see is in the best interests of MWDOC's service area. He encouraged any MWDOC Member Agency to invite him to their meetings to discuss MET issues. Mr. Barbre then reported that a big issue at MET (with respect to rates) is the cost and purchases of treated/untreated water and he suggested that some MET agencies "game the system" which hurts MET in the long run. He concluded his comments by highlighting the importance of the California Water Fix and he distributed a chart illustrating how much water was lost to the ocean (this year) as a result of restrictions placed on pumping.

Director Dick highlighted the Municipal Water District Act, wherein MWDOC was formed to answer Orange County's needs at MET and he suggested the agencies confer with MWDOC on an appropriate process for them to have access to MET. Mr. Dick stated that the MET Directors vote with the Orange County perspective in mind. He also provided an overview of various issues facing the water community (treatment plants, Local Resources Program projects and funding, etc.).

In response to a question by Director Osborne, Ms. Ackerman reported on her role as a MET Director serving Orange County and her participation in legislative issues reflects that role. She commented that she (and the other MET Directors) are not able to comment on the MET/San Diego litigation because all discussions are held in closed session, that the MET Directors support MWDOC's agencies by supporting Local Projects at MET, and that for lobbying efforts to be effective, the agencies need to agree on the issues.

Director McKenney stated that although he supports Director Jacob's comments, he believes it's a good policy to not direct votes at MET, that he's open to improving communication, and would like to hear from the agencies as to what they want and need. He highlighted the fact that communication will be more effective if everyone attends and participates in MWDOC's meetings.

Director Tamaribuchi commented that it would be helpful for the MWDOC MET Directors to set aside time at the beginning of each Workshop Board meeting to receive comments and questions from the agencies.

Additional discussion ensued regarding expectations at MET, the lack of participation by the cities at MWDOC meetings, the need for a process for the agencies to provide input to the MET Directors, and the importance of more discussion and shorter presentations at the Workshop Board meetings.

Following this discussion, it was determined that a dialogue/communication/report item would be placed first on future Workshop Board agendas which would allow a healthy discussion and debate on MET issues.

ORANGE COUNTY'S DROUGHT PERFORMANCE – DECEMBER REPORT

Mr. Harvey De La Torre reported on Orange County's performance under the State Board's mandatory reduction, highlighting that Orange County retail water agencies reported an aggregated water savings of approximately 17.5% for the month of December 2015 (compared to December 2013 water usage), which falls short of the monthly conservation target of 22%. It was noted, however, that the cumulative savings for the six months into the State Board's mandatory regulations total 23.37%. Mr. De La Torre also provided information on MET's water storage levels, snow pack levels (better than last year, but still below average conditions), the offer to OCWD to purchase an additional 11,000 acre-feet of untreated water for groundwater storage, bringing the total "secondary assignment of surplus water" amount to 35,000, and the Table A State Water Project allocations for 2016 (currently at 30%).

The Board received and filed the report.

UPDATE ON MET'S PROPOSED BIENNIAL BUDGET AND RATES FOR FISCAL YEARS 2016/17 AND 2017/18

Due to time constraints, Mr. De La Torre asked if there were any questions on the write up and information included in the board packet.

Director Tamaribuchi commented that it would be prudent for MET's rate structure to be modified to accommodate a "peaking" charge.

Director Osborne expressed concern with keeping rates down at the expense of capital improvements, to which Director McKenney advised that any anticipated capital improvement projects are included. Mr. McKenney highlighted that the 60% PayGO has a large impact on the budget and may be cause for concern. He also highlighted the 10 year projections and encouraged all to review these projections and provide comments to the MET Directors.

Director Hinman referenced the Local Resources Project Program (LRP), and discussion ensued regarding whether any projects were termed-out, whether any did not come to fruition (after being approved by MET), whether the LRP process should be continued, or whether the terms of the program should be updated (e.g., grant program; equity program). Director Dick indicated he would like input on the LRP Program.

Mr. Dan Ferons, General Manager of Santa Margarita Water District commented that providing a ten-year plan with the transition to fixed component to the treatment charge would greatly assist the Member Agencies in the budgeting process, noting that this issue has been mentioned in the past and wanted a status update at an upcoming meeting.

Mr. McKenney commented that MWDOC staff learned of adding a fixed component to the treatment charge at a recent (within the last month) presentation by MET staff regarding the possibility. He highlighted the issues of communication discussed in Item 1 (early communication with the agencies), because the MET Board only heard about this addition in late February; he noted that although he shares concerns regarding communication, it's how

the process works. However, he agrees and encouraged MWDOC staff to come next month with a status update.

Mr. Hunter commented that there are a group of complex interrelated policies that are affected by the addition of a fixed component to the treatment charge and the idea has been brought up several times over the past several years, noting that staff could not support the proposal as it is currently written by MET staff. He encouraged all present to reflect on how much MWDOC, along with OCWD and others, have accomplished over the years (e.g. additional water to the basin, working with the three-cities, the reliability study, a broader use of the basin throughout the County), noting that MWDOC is working together with the agencies.

Director Dick asked that the agencies clearly think about what financial impact a large conservation or LRP budget might have on the water rate.

Following discussion, the Board received and filed the report as presented.

MWD ITEMS CRITICAL TO ORANGE COUNTY

- a. MET's Water Supply Conditions
- b. MET's Finance and Rate Issues
- c. Colorado River Issues
- d. Bay Delta/State Water Project Issues
- e. MET's Ocean Desalination Policy and Potential Participation by MET in the Doheny Desalination Project
- f. Orange County Reliability Projects
- g. East Orange County Feeder No. 2

The Board received and filed the information as presented.

OTHER INPUT OR QUESTIONS ON MET ISSUES FROM MEMBER AGENCIES

No comments were received.

METROPOLITAN (MET) BOARD AND COMMITTEE AGENDA DISCUSSION ITEMS

- a. Summary regarding February MET Board Meeting
- b. Review Items of significance for the Upcoming MET Board and Committee Agendas

No new information was presented.

CLOSED SESSION ITEMS

At 10:18 a.m., Legal Counsel Byrne announced that the Board would adjourn to closed session regarding the following items:

CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: *San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 13, 2010, et al.*, former Los Angeles Superior Court, Case No. BS 126888, transferred on October 21, 2010, to San Francisco Superior Court, Case No. CPF-10-510830.

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RECONVENE

The Board reconvened at 11:29 a.m., and President Osborne announced that no reportable action was taken in closed session.

ADJOURNMENT

There being no further business to come before the Board, the meeting adjourned at 11:30 a.m.

Maribeth Goldsby
Board Secretary

**MINUTES OF THE REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
March 16, 2016**

At 8:30 a.m. President Osborne called to order the Regular Meeting of the Municipal Water District of Orange County in the Board Room at the District facilities located in Fountain Valley. Director Hinman led the Pledge of Allegiance and Secretary Goldsby called the roll.

MWDOC DIRECTORS

Brett R. Barbre
Larry Dick
Joan Finnegan (absent)
Susan Hinman
Wayne Osborne
Sat Tamaribuchi
Jeffery M. Thomas

STAFF

Robert Hunter, General Manager
Karl Seckel, Assistant General Manager
Ruben Duran, Legal Counsel
Maribeth Goldsby, Board Secretary
Harvey De La Torre, Associate General Mgr.
Laura Loewen, Public Affairs Assistant
Joe Berg, Dir. of Water Use Eff. Programs

ALSO PRESENT

Larry McKenney
Linda Ackerman
Bill VanderWerff
Lisa Ohlund
William Kahn
Brian Ragland
Doug Reinhart
Andy Brunhart
Gary Melton
Kelly Rowe
Richard Eglash
Benjamin Franklin Parker

MWDOC MET Director
MWDOC MET Director
East Orange County Water District
East Orange County Water District
El Toro Water District
City of Huntington Beach
Irvine Ranch Water District
South Coast Water District
Yorba Linda Water District
Water Resource Consultant
Brady & Associates
Yorba Linda Water District Customer

PUBLIC PARTICIPATION/PUBLIC COMMENT

President Osborne announced members of the public wishing to comment on agenda items could do so after the item has been discussed by the Board and requested members of the public identify themselves when called on. Mr. Osborne asked whether there were any comments on other items which would be heard at this time.

Mr. Kelly Rowe, a water resources consultant and hydrogeologist, commented on the San Juan Basin Authority (SJBA) Facilities Management Plan and the geologic formation of the SESPE, noting that with engineering work (drilling boreholes, etc.) the SESPE could be used as an aquifer and approximately 50,000 acre-feet of groundwater could be stored in said aquifer. He noted that this could provide a great opportunity and resource in Orange County. He encouraged the MWDOC Board and staff to discuss this issue with both Santa Margarita Water District and the SJBA. Director Barbre asked whether such a project could be submitted through MET's Foundational Action Plan, with staff advising that it could not because it's currently research oriented at this point.

Mr. Ben Parker (Yorba Linda resident), referenced the District's Water Rates Survey booklet which was last published in 2013, stating that the booklet was very helpful (with respect to rate increases) and encouraged MWDOC to resume publishing them. Mr. Hunter advised that staff discontinued the booklet because it did not provide a full view of the cost of water. Director Barbre advised that the District is currently conducting a rate study and more information would be available upon its completion. It was agreed that Mr. Parker would confer with Mr. Barbre following the meeting.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Determine need and take action to agendize items(s), which arose subsequent to the posting of the Agenda. (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board members present or, if less than two-thirds of the Board members are present, a unanimous vote.)

No items were added to the agenda.

ITEMS DISTRIBUTED TO THE BOARD LESS THAN 72 HOURS PRIOR TO MEETING

President Osborne inquired as to whether there were any items distributed to the Board less than 72 hours prior to the meeting.

No items were presented.

CONSENT CALENDAR

President Osborne stated all matters under the Consent Calendar would be approved by one MOTION unless a Director wished to consider an item separately.

Director Hinman requested that her vote be reflected as an abstention on Item 1(a) (Minutes from the February 3, 2016 Workshop Board meeting because she was absent from the meeting.

Upon MOTION by Director Barbre, seconded by Director Thomas, and carried (6-0), the Board approved the Consent Calendar items as follows. Directors Barbre, Dick, Hinman, Osborne, Tamaribuchi, and Thomas voted in favor of items 1b-c through 4; and by a vote of (5-0), Directors Barbre, Dick, Osborne, Tamaribuchi & Thomas voted in favor of Item 1(a), with Director Hinman abstaining. Director Finnegan was absent.

MINUTES

The following minutes were approved.

February 3, 2016 Workshop Board Meeting (Director Hinman abstained from voting)
February 16, 2016 Special Board Meeting
February 17, 2016 Regular Board Meeting

COMMITTEE MEETING REPORTS

The following Committee Meeting reports were received and filed as presented.

Planning & Operations Committee Meeting: February 1, 2016
Administration & Finance Committee Meeting: February 10, 2016
Public Affairs & Legislation Committee Meeting: February 16, 2016
Executive Committee Meeting: February 18, 2016

TREASURER'S REPORTS

The following items were ratified and approved as presented.

MWDOC Revenue/Cash Receipt Register as of February 29, 2016
MWDOC Disbursement Registers (February/March)

The following items were received and filed as presented.

MWDOC Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of January 31, 2016

PARS Monthly Statement (OPEB Trust)

Water Use Efficiency Projects Cash Flow

FINANCIAL REPORT

The following items were received and filed as presented.

Combined Financial Statements and Budget Comparative for the period ending January 31, 2016

END CONSENT CALENDAR

INFORMATION CALENDAR

GENERAL MANAGER'S REPORT, MARCH 2016

General Manager Hunter advised that the General Manager's report was included in the Board packet.

Mr. Hunter advised that he attended the Groundwater Producers meeting wherein the producers asked that a fourth alternative be included in the rate study (a volumetric charge); he stated that future presentations will include four alternatives.

Mr. Hunter announced that MWDOC would be hosting its semi-annual Elected Officials Forum on April 7th and he encouraged all to attend.

Responding to an inquiry by Director Osborne, Harvey De La Torre advised that the 30% Table A allocation (which will provide MET with close to 600,000 acre-feet for 2016) was based off of January snowpack levels, and that all Delta restrictions were accounted for (prior to establishing 30% as our allocation).

Discussion ensued regarding the Table A allocations and the possibility of the allocation be raised to 50% (additional precipitation/snow pack).

Director Barbre highlighted the importance of storage, noting that MET has been able to withstand decades of drought (via the Colorado River) because although the Colorado River annual flow is approximately 15 million acre-feet, total storage on the River is 16 million acre-feet (about 4 times the annual flow). He advised that, in contrast, the State Water Project, has roughly half of the average flow in storage, and that if more storage were available, California would be in a much better position.

Responding to a question from Director Barbre, Laura Loewen (Public Affairs Assistant) advised that the firm Crocker & Crocker conducted a presentation at the recent Public Affairs Workshop.

The Board received and filed the report as presented.

MWDOC GENERAL INFORMATION ITEMS

BOARD OF DIRECTORS

The Board members each reported on their attendance at the regular (and special) MWDOC Board and Committee meetings. In addition to these meetings, the following reports were made on conferences and meetings attended on behalf of the District.

Director Dick advised that he attended the MET Board/Committee meetings, the MWDOC Board and Workshop Board meetings, as well as the Executive, Administration & Finance, and Planning & Operations Committee meetings. Mr. Dick also attended a tour of the Great Wolf Lodge, the MET pre-meeting to the Executive Committee, a meeting with Dick Ackerman, the ISDOC Executive Committee meeting, the MET Caucus, the WACO and WACO Planning meetings, the Association of California Cities Water Committee meeting, a meeting with Tom Davis regarding real property, and the Urban Water Institute planning meetings.

Director Barbre reported on attending the MET Board/Committee meetings (including the fourth Tuesday Committee meetings), the MWDOC Board and Workshop Board meetings, as well as the Executive, Administration & Finance, and Planning & Operations Committee meetings. Mr. Barbre also reported on attending various meetings fighting for Yorba Linda Water District Board members against the recall, as well as the WACO meeting, MET pre-meeting to the Executive Committee, the MWDOC MET Director Caucus, the general Caucus, and a meeting with Gary Breaux and Bob Wunderlich regarding MET Budget issues. He also noted his attendance at a three-day State Water Project inspection trip with DC legislative staff, a three-day Colorado River-Hoover-Palo Verde Farming inspection trip, the MWDOC luncheon in Washington, DC, a hearing before the House

Resources Subcommittee on Water Power and Oceans (wherein he provided testimony), a meeting with staff members of the Subcommittee on Water Power and Oceans, and a meeting with the Office of the Majority Leader.

Director Tamaribuchi noted his attendance at all the MWDOC Board and Workshop Board meetings, the Executive Committee and the Administration & Finance Committee meetings, as well as MWDOC's luncheon in Washington, DC, and the three-day Colorado River-Hoover-Palo Verde Farming inspection trip.

Director Thomas stated that he attended the MWDOC Board meeting, the Administration & Finance Committee meeting, the OC Water Summit planning meetings, the meeting with the South County agencies, and the OCBC dinner. He noted that he would be attending the Santiago Aqueduct Commission meeting on March 17, 2016. Mr. Thomas commented that the issue of pension unfunded liability will be a newspaper topic over the next several months.

Director Hinman reported on attending all of the MWDOC Board and Committee meetings, the Orange County Water Association luncheon, a school program assembly at Top of the World Elementary (February 24), the Water Expo at Capistrano Valley High School, the WACO and WACO Planning meetings, the San Juan Basin Authority meeting, and the meeting with the South County agencies. She reported that she would be attending the San Juan Basin Authority meeting on March 22nd, as well as the UCI conference/presentation on climate change and the snow pack impacts on the State.

Director Osborne reported on attending the Board and Committee meetings, the WACO meeting, and the OC Water Summit planning meetings.

SPECIAL PRESENTATION

President Osborne and Director Dick presented MWDOC's Resolution No. 2828 to retiring East Orange County Water District Director Bill VanderWerff, on the occasion of his retirement. Mr. VanderWerff commended MWDOC staff and thanked the Board.

ADJOURNMENT

There being no further business to come before the Board, President Osborne adjourned the meeting at 9:18 a.m.

Respectfully submitted,

Maribeth Goldsby, Secretary

MINUTES OF THE SPECIAL MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
March 26, 2016

At 9:04 a.m., President Osborne called to order the Special Meeting of the Municipal Water District of Orange County Board of Directors at the Westin Hotel, 686 Anton Blvd., Executive Board Room, 3rd Floor, Costa Mesa, California.

MWDOC DIRECTORS

Brett R. Barbre
Larry Dick
Joan Finnegan
Susan Hinman
Wayne Osborne
Sat Tamaribuchi
Jeffery M. Thomas

STAFF PRESENT

Robert Hunter, General Manager

ALSO PRESENT

No members of the public were present.

PUBLIC COMMENTS

No public comments were received.

CLOSED SESSIONS ITEM

At 9:05 a.m., the Board adjourned to closed session pursuant to Government Code Section 54957 to conduct the performance evaluation of the General Manager.

RECONVENE

ANNOUNCEMENTS FROM CLOSED SESSION

The Board reconvened from closed session at 2:13 p.m., and President Osborne announced that no reportable action was taken in closed session.

ADJOURNMENT

At 2:13 p.m., President Osborne adjourned the special meeting.

Respectfully submitted,

Maribeth Goldsby, Secretary

MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PLANNING & OPERATION COMMITTEE
March 14, 2016 - 8:30 a.m. to 9:15 a.m.
MWDOC Conference Room 101

P&O Committee:

Director Larry Dick
Director Susan Hinman
Director Finnegan

Staff:

Robert Hunter, Karl Seckel, Kelly Hubbard,
Harvey De La Torre, Katie Davanaugh,
Melissa Baum-Haley, Kevin Hostert

Also Present:

Director Wayne Osborne
Linda Ackerman, MWDOC MET Director
Larry McKenney, MWDOC MET Director
Liz Mendleson-Goossens, SDCWA
Bill Kahn, El Toro Water District

Director Dick called the meeting to order at 8:30 a.m.

PUBLIC PARTICIPATION

No comments were received.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were presented.

ITEMS DISTRIBUTED TO THE BOARD LESS THAN 72 HOURS PRIOR TO MEETING

No Items were distributed.

DISCUSSION ITEMS

**REPORT ON DEVELOPING MWDOC'S 2015 URBAN WATER MANAGEMENT
PLAN**

It was noted that a draft report will be available at the April Planning & Operations meeting. Additionally, Irvine Ranch, Santa Margarita, Moulton Niguel and Laguna Beach County Water Districts opted not to participate in this effort as they have chosen to utilize others in preparing their respective reports.

INFORMATION ITEMS**STATUS UPDATE ON THE OC RELIABILITY STUDY – MARCH 2016**

The Committee reviewed the Orange County Reliability Study, Phase 2 – MET Reliability Portfolio Development report, as presented in the staff report.

UPDATE ON DISTRIBUTION SYSTEM WATER LOS CONTROL TECHNICAL ASSISTANCE FOR MEMBER AGENCIES

Mr. Seckel thanked Joe Berg, MWDOC Director of Water Use Efficiency, for the department's efforts with this activity. Mr. Hunter noted broad-based participation levels and identified the tasks that were not listed in the staff report (page 18 of 43): Task 1 – project administration; 2 – technical assistance; 3 – component analysis; 4 – locate and quantify leaks; and 5 report preparation.

STATUS REPORTS

- a. Ongoing MWDOC Reliability and Engineering/Planning Projects
- b. WEROC
- c. Water Use Efficiency Projects
- d. Water Use Efficiency Programs Savings and Implementation Report

The Committee held discussion on MWDOC and MET differences in opinion on the installation and reading of new mag meters and how to best address these issues. The terms and conditions under the MET service connection agreements and the timing for the installation of the new meters as well as operational issues between metering from 1 to 4 cfs and 10 to 75 cfs, do not comply with MET's Administrative Code.

The remainder of the status report were briefly reviewed, including the WEROC quarterly coordinators meeting the California sprinkler adjustment notification system.

The reports were then received and filed.

REVIEW OF ISSUES RELATED TO CONSTRUCTION PROGRAMS, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS**ADJOURNMENT**

There being no further business to be brought before the Committee, the meeting adjourned at 9:15 a.m.

**MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS OF
THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**

Jointly with the **ADMINISTRATION & FINANCE (A&F) COMMITTEE**

March 9, 2016 – 8:35 a.m. to 10:10 a.m.

MWDOC Conference Room 101

Committee Members:

Director Jeff Thomas, Chair
Director Joan Finnegan
Director Brett Barbre

Staff:

Rob Hunter, Karl Seckel, Harvey De La Torre,
Melissa Baum-Haley, Katie Davanaugh,
Cathy Harris, Hilary Chumpitazi, Joe Berg,
Jeff Stalvey

Also Present:

Director Susan Hinman
Director Brett Osborne
Director Sat Tamaribuchi
Director Larry Dick
Linda Ackerman, MWDOC MET Director
Andrew Hamilton, Mesa Water
Liz Mendleson-Goossens, SDCWA
Sanjay Gaur, Raftelis Consulting
Steve Gagnon, Raftelis Consulting
Paul Cook, Irvine Ranch Water District
Doug Reinhart, Irvine Ranch Water District
Lo Tan, Orange County Water District

Director Thomas called the meeting to order at 8:35 a.m. Noting that Director Barbre had not yet arrived, Director Osborne sat on the Committee.

PUBLIC COMMENTS

No comments were received.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were presented.

ITEMS DISTRIBUTED TO THE BOARD LESS THAN 72 HOURS PRIOR TO MEETING

The OPEB Trust Fund monthly statement (item 1g) was distributed.

PROPOSED BOARD CONSENT CALENDAR ITEMS

TREASURER'S REPORT

- a. Revenue/Cash Receipt Report – February 2016
- b. Disbursement Approval Report for the month of March 2016
- c. Disbursement Ratification Report for the month of February 2016
- d. GM Approved Disbursement Report for the month of February 2016

- e. Water Use Efficiency Projects Cash Flow – February 29, 2016
- f. Consolidated Summary of Cash and Investment – January 2016
- g. OPEB Trust Fund monthly statement

(8:40 Director Barbre arrived and was seated on the Committee)

Upon MOTION by Director Finnegan, seconded by Director Barbre, and carried (3-0), the Committee recommended the Treasurer's Report for approval at the March 16, 2016 Board meeting. Directors Finnegan, Barbre and Thomas all voted in favor.

Mr. Hunter noted that the income and expenses for the Orange County Water Policy dinner had been reconciled. He also noted that a refund has been received from an applicant from the turf removal program who was not pleased with the original work with their contractor and felt obligated to return the original refund to the District. The resident was from the City of San Clemente. Director Hinman noted some of the larger rebates for the turf removal program in her service district. Mr. Berg noted that Moulton Niguel Water District had enhanced incentives, which would explain some of the larger rebates to the applicants in that service area.

It was noted that the PARS statement shows a negative return this month, likely from recent stock market fluctuation.

FINANCIAL REPORT - Combined Financial Statements and Budget Comparative for the period ending January 31, 2016

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (3-0), the Committee recommended the Financial Report for approval at the March 16, 2016 Board meeting. Directors Barbre, Finnegan and Thomas all voted in favor.

DISCUSSION ITEMS

FIRST DRAFT OF MWDOC'S BUDGET FOR 2016-17

Mr. Hunter provided a summary of the budget, as outlined in his presentation. Major budget variances include items such as election and engineering expenses and employee benefits; outside funding has been significantly high the past couple of years due to water use efficiency funding from MET for rebate programs, and water sales. Rates for FY 2016-17 are still under consideration due to the ongoing rate study which will be incorporated into the rate structure (not the budget). Key projects anticipated during the upcoming fiscal year include Metropolitan Focus (Integrated Resource Plan Policy Issues, LRP Funding, Storage and Allocation Programs); OC Reliability Study (Regional and Local Projects and Poseidon); Water Use Efficiency; Communication Outreach programs; the MWDOC Website and Communication Surveys and Governmental Affairs activities. Choice activities included in the budget include Water Use Efficiency, the School Program, Communications Program, Doheny Desal and the Water Loss Reduction Program.

The budget is anticipated to be finalized and approved in May 2016 following Member Agency Manager's Discussions (and input from the member agencies) between now and May, including the Elected Officials forum which is scheduled for early April.

MWDOC'S RATE STUDY UPDATE

Mr. Hunter noted that he has been working with legal counsel since the February staff report and noted that legal counsel has advised that MWDOC is legally obligated to assess fees to Orange County Water District under Proposition 26. Legal counsel will be providing a written legal opinion in the near future which will be incorporated into the new MWDOC rate structure.

Steve Gagnon and Sanjay Gaur (Raftelis) provided a review of the survey responses and noted that the results have not changed from the February update, and only 3 member agencies have not responded. Director Barbre requested that staff notify Directors if they are not able to reach a member agency in an attempt to solicit a response. Scoring of survey results and survey comparison data was reviewed, and considerable discussion was held on whether Orange County Water District received a benefit from MWDOC services and the value of those services, including planning and resource development, MET issues and special projects.

Substantial discussion ensued on how to equitably allocate Orange County Water District's cost share, taking into consideration the impact to each member agency and allocating the remaining cost to retail agencies. Each of the scenarios suggested by Raftelis was discussed and included allocation by retail number of meters, equivalent meters (meter size) or population.

The schedule of activities to keep the Rate Study on track was reviewed, noting that the manager's meeting will be held in the next week to receive input and comments.

INFORMATION ITEMS**REBATE PROGRAM - 1099 UPDATE****IMPLEMENTATION OF THE SETTLEMENT AGREEMENT BETWEEN MWDOC AND ITS MEMBER AGENCIES**

Mr. Hunter noted that the agreement is still being implemented and will expire this year.

MONTHLY WATER USAGE DATA, TIER 2 PROJECTION & WATER SUPPLY INFO**DEPARTMENT ACTIVITIES REPORTS**

- a. Administration
- b. Finance and Information Technology

The informational reports were received and filed.

OTHER ITEMS

**REVIEW ISSUES REGARDING DISTRICT ORGANIZATION, PERSONNEL
MATTERS, EMPLOYEE BENEFITS FINANCE AND INSURANCE**

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 10:10 a.m.

**MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**

Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE

March 23, 2016 - 8:30 a.m. to 10:10 a.m.

MWDOC Conference Room 101

Committee:

Director Sat Tamaribuchi, Chair
Director Brett Barbre
Director Susan Hinman

Staff:

Robert Hunter, Karl Seckel, Heather Baez,
Jonathan Volzke, Joe Berg, Tiffany Baca,
Pat Meszaros, Harvey De La Torre,

Also Present:

Larry Dick, MWDOC President
Wayne Osborne, MWDOC Director
Joan Finnegan, MWDOC Director
Linda Ackerman, MWDOC MET Director
Larry McKenney, MWDOC MET Director
Dick Ackerman, Ackerman Consulting
John Lewis, Lewis Consulting
Matt Holder, Lewis Consulting
Syrus Devers, BBK
Jim Leach, SMWD
Zeshaan Youmus, Discovery Cube
Christine Compton, IRWD
Cori Williams, TPA
Marc Marcantonio, YLWD
Brian Ragland, Huntington Beach

Director Tamaribuchi called the meeting to order at 8:30 a.m.

PUBLIC PARTICIPATION

No items were presented.

Director Tamaribuchi adjourned the Committee meeting and President Osborne opened the Board Meeting.

Mr. Hunter announced that the District received communication from MET subsequent to the posting of the agenda on item 7 (b) (AB 2488) asking for MWDOC's participation in a Coalition letter which was due by end of business on March 23. He advised that in the event the Board would like to consider and discuss the item, it would need to be moved from the Committee portion of the agenda to the Board action calendar.

Upon MOTION by Director Barbre, seconded by Director Hinman, and carried (6-0), the Board determined that information on Committee Item 7(b) was received subsequent to the posting of the agenda, and determined that immediate action would be prudent and, therefore, approved adding it to the Board Action calendar for further discussion. Directors Osborne, Barbre,

Tamaribuchi, Hinman, Dick, and Finnegan all voted in favor. Director Thomas was absent.

ACTION ITEMS

ELECTION OF REGULAR SPECIAL DISTRICT MEMBER OF THE LOCAL AGENCY FORMATION COMMISSION (LAFCO)

Upon MOTION by Director Barbre, seconded by Director Hinman, and carried (6-0), the Board authorized President Wayne Osborne to cast the District's ballot for LAFCO Regular Special District Member and Director Finnegan as alternate. Directors Osborne, Barbre, Tamaribuchi, Finnegan, Dick and Hinman all voted in favor. Director Thomas was absent.

REQUEST BY YORBA LINDA WATER DISTRICT FOR ASSISTANCE WITH AMICUS BRIEF ON RATE LAWSUIT

Mr. Robert Hunter introduced Mr. Marc Marcantonio, General Manager, Yorba Linda Water District (YLWD). Mr. Marcantonio stated that YLWD is seeking assistance on a matter that is going to the Superior Court in June that is of interest not only to YLWD but to any district that does a Prop 218 rate hearing in California. YLWD passed a Prop 218 rate and 77% of residents did not protest it but, a small group of citizens pursued a referendum to repeal the Prop 218 rate and is contesting this in Court. A referendum only requires 5% of voters to sign a petition to put it to a vote of the public. This similar process is also occurring at Amador County Water District. Yorba Linda Taxpayers' Association is the organization that filed the lawsuit. They were unable to get sufficient signatures for an Initiative, which would have required 10%, or 10,000 registered voters. This is the first time a referendum has been pursued to overturn water rates. Virtually every agency is in the process of recovering from the drought's mandates to be able to stay financially solvent to continue to provide public health and safety. So, this type of challenge is a threat to the financial soundness of agencies required to raise rates to maintain necessary service. Mr. Hunter stated that per Board request, he obtained an estimate from BB&K which is between \$3 and \$6,000 which we may be able to share with other member agencies who also use BB&K.

Upon MOTION by Director Barbre, seconded by Director Hinman, and carried (6-0), the Board authorized Best, Best & Krieger to prepare an amicus brief to be of benefit to YLWD on this matter. Directors Osborne, Barbre, Tamaribuchi, Finnegan, Dick and Hinman all voted in favor. Director Thomas was absent.

AB 2488 (DABABNEH) – FISH: FULLY PROTECTED SPECIES, TAKING OR POSSESSION

Director Osborne introduced this item and Ms. Baez stated that Metropolitan is looking for support of AB 2488 and for MWDOC to be included in a coalition letter to be delivered to the committee on March 25, 2016.

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (6-0), the Board authorized support of AB 2488 and inclusion of MWDOC's signature in the coalition's letter. Directors Osborne, Barbre, Tamaribuchi, Finnegan, Dick and Hinman all voted in favor. Director Thomas was absent.

RECONVENE AS PUBLIC AFFAIRS & LEGISLATION COMMITTEE

President Osborne then adjourned the Board meeting and Committee Chairman Tamaribuchi re-opened the Committee meeting.

DISCUSSION ITEMS**LEGISLATIVE ACTIVITIES****a. Federal Legislative Report (Barker)**

Director Hinman inquired whether MWDOC or our member agencies could benefit from the grants listed in Mr. Barker's Grant Scorecard to which Mr. Hunter replied that our member agencies may benefit. Ms. Baez stated that she would send the list to our member agencies today.

b. State Legislative Report (BBK)

Mr. Syrus Devers of BBK stated that this is one of the busiest times of the year—looking at bills, working with MET and ACWA and preparing for policy hearings coming up the first week of April. There are a large number of water bills with 24 listed for priority support/oppose.

Mr. Devers indicated that, with the Board's approval, he'd like to testify to support, in concept, AB 1925 (Chang) at the Assembly Water Parks and Wildlife Committee on March 29, 2016. AB 1925 (Chang) sponsored by CalDesal affirms the need for desalination and statewide goals.* Mr. Devers stated that Mr. Ron Davis, Executive Director, CAL Desal, informed him that they're getting pushback from enviro groups.

*AB 1925 falls within our policy principles

Upon MOTION by Director Barbre, seconded by Director Hinman, and carried (3-0), the Committee recommended to support in concept AB 1925 (Chang) and allow Mr. Devers to testify on March 29. Directors Barbre, Tamaribuchi, and Hinman all voted in favor. AB 1925 will be brought back in April for Board consideration.

Discussion ensued regarding trailer bills with MET Director Larry McKenney stating that ACWA is looking closely at trailer bills as there is a propensity to push policy issues through trailer bills.

c. County Legislative Report (Lewis)

Mr. John Lewis reported that Supervisor Shawn Nelson opted not to run for judge, and Mr. Don Wagner ended up not running against Mr. John Moorlach. Mr. Lewis has been retained by EOCWD and was commissioned to conduct a survey of sewer services. The February 23-25, 2016 survey showed overwhelming support in the community for EOCWD's application to provide sewer service. Mr. Lewis commended Mr. Berg and Ms. Baez for their efforts in getting the model for efficient landscape ordinance passed by the Board of Supervisors.

Mr. Matt Holder thanked the MWDOC “family” for the opportunity to provide County legislative support over the years and also expressed thanks for the special relationship he’s had with Directors Dick and Barbre. Today is his last meeting at MWDOC as he is leaving Lewis Consulting after being employed for 22 years. Director Hinman thanked him for his many years of fine service.

d. Legal and Regulatory Report (Ackerman)

Mr. Dick Ackerman mentioned a good article in the Sacramento Bee by Mr. Dan Walters in which he discussed the California reservoirs and particularly Lake Shasta which reached an all-time low level in 2014 but is now headed for 100% capacity.

e. Metropolitan Legislative Matrix

The report was received and filed.

RECAP OF SOUTHERN CALIFORNIA WATER ISSUES CONGRESSIONAL DELEGATION BRIEFING LUNCHEON (DC)

Ms. Baez reported that the luncheon this year was held at the Rayburn Building on February 24 and there was a good turnout from the Orange County delegation. IRWD and SMWD gave presentations. This year, we were able to reduce costs of the event significantly.

Discussion ensued on having this event at another time other than during the ACWA Conference. Director Ackerman stated that this luncheon is a good opportunity for member agencies to present their proposed projects. Director Dick suggested that Mr. Hunter check with the member agencies on whether they’d consider making a separate trip to D.C. and possibly partnering with the Inland Empire agencies.

PROPOSED BALLOT MEASURE TO AMEND ARTICLE X OF THE CALIFORNIA CONSTITUTION

Ms. Baez reported that the coalition, led by the California League of Cities, had amended their previous ballot initiative and is now in receipt of the title and summary from the California Attorney General’s office. In short, the title and summary was less than what they were hoping for. They used the title and summary to craft public polling questions and the words “without voter approval” in the AG’s summary swings the polling numbers to much lower levels. The polling results take their plan off the table at the moment, not sure what their next move will be. The storm water portion of the initiative seems to be a poison pill, but that is what is most important to the League of Cities. ACWA is exploring possibly moving forward with just the lifeline rates and conservation based rates portion. At this time, no decision has been made. The committee asked to be kept informed of the issue.

ACTION ITEMS

PUBLISHING COSTS FOR THE OC CITIES & WATER AGENCIES DIRECTORY

Upon MOTION by Director Barbre, seconded by Director Tamaribuchi, and carried (3-0), the Committee recommended the Board not approve publishing the Directory at the April 20, 2016

Board Meeting. Directors Barbre, Tamaribuchi, and Hinman all voted in favor.

ADOPT LEGISLATIVE POSITIONS

- a. **AB 2022 (OCWD: Bottling of GWRS Water)**
- b. **SB 885 (CSDA Call to Action)**

Upon MOTION by Director Barbre, seconded by Director Hinman, and carried (3-0), the Committee recommended support of AB 2022; and oppose SB 885 at the April 20, 2016 Board meeting. Directors Barbre, Tamaribuchi and Hinman all voted in favor.

INFORMATION ITEMS

SOLE SOURCE CONTRACTOR FOR PUBLIC RELATIONS SEMINAR FOR MEMBER AGENCIES AT PUBLIC AFFAIRS WORKGROUP MEETING

UPDATE ON THE TRANSFER OF ORANGE COUNTY SANITATION DISTRICT AREA 7

UPDATE ON POTENTIAL CONSOLIDATION OF SAN JUAN CAPISTRANO UTILITIES

UPDATE ON WATER SUMMIT (MAY 20, 2016)

PUBLIC AFFAIRS ACTIVITIES REPORT

The reports were received and filed.

OTHER ITEMS

REVIEW ISSUES RELATED TO LEGISLATION, OUTREACH, PUBLIC INFORMATION ISSUES, AND MET

No items were presented.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 10:10 a.m.

MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
jointly with the
EXECUTIVE COMMITTEE
March 17, 2016, 8:30 a.m. to 10:00 a.m.
Conference Room 102

Committee:

Director Osborne, President
Director Barbre, Vice President
Director Dick

Staff:

R. Hunter, M. Goldsby

Also Present:

Director Tamaribuchi
Director Hinman
Liz Mendelson-Goossens

At 8:30 a.m., President Osborne called the meeting to order.

PUBLIC PARTICIPATION

No public comments were received.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No comments were received.

ITEMS DISTRIBUTED TO THE BOARD LESS THAN 72 HOURS PRIOR TO MEETING

At the beginning of the meeting, Staff distributed the draft agendas for the April Committee meetings.

EXECUTIVE COMMITTEE PROPOSALS FOR FUTURE AGENDAS

The Committee reviewed and discussed the draft agendas for each of the Committee meetings and made revisions/additions as noted below.

a. Public Affairs & Legislation Committee (March)

The Committee first reviewed the draft agenda for the March 23rd PAL Committee meeting and held discussion regarding the Board Action portion of the agenda which included the upcoming LAFCO election, whether any members of the MWDOC Board were interested in a nomination (no interest was expressed), and the current candidates/incumbents. The Committee also discussed the request from Yorba Linda Water District for assistance with an amicus brief on rate lawsuit, and suggested the Board approve this at the PAL Committee meeting.

b. Special Board Meeting

No new items were added to the agenda.

c. Planning & Operations Committee

Discussion was held regarding the decommissioning of the slant wells, the future of the Doheny Desalination Project, and whether these wells could be used in the future (the parties involved decided to not use the existing wells). Mr. Hunter advised that Karl Seckel would provide a presentation and would be available to answer questions.

d. Workshop Board Meeting

The Committee discussed the format for the Workshop Board Meeting and whether the meeting time should be changed. Following discussion the Committee recommended leaving the meeting time at 8:30 a.m., but moving a discussion item between the MET Directors and audience to first on the agenda.

With respect to MET's Integrated Resources Plan, the Committee asked that staff include a copy of MWDOC's comment letter in the packet.

e. Elected Officials Forum

Mr. Hunter advised that due to previous comments/suggestions, the presentations would be short to allow for more discussion. Potential items for the agenda included MWDOC's budget and rates, MET's biennial budget and rates, and an update on the emergency drought regulations.

Following a discussion regarding core/choice, the Board asked for the list of agencies who participate in the Water Use Efficiency choice programs.

f. Administration & Finance Committee

Director Hinman asked that an overview on water distribution in the event of an emergency be added to the A&F Committee agenda, as Ms. Hubbard was scheduled for vacation during the P&O Committee.

g. Public Affairs & Legislation Committee (April)

No new information was added to the agenda.

h. Executive Committee

No new items were added to the agenda.

i. MWDOC/OCWD Joint Planning Committee

The Committee suggested an update on the Huntington Beach Desalination Project.

DISCUSSION REGARDING UPCOMING ACTIVITIES OF SIGNIFICANCE

Discussion was held regarding the Settlement Agreement between MWDOC and the agencies, the fact that it will be expiring in June, and possibly developing a closure letter to the Agreement. Following discussion, the Committee recommended Mr. Hunter develop a closure letter outlining what has been accomplished and have all 7 directors sign.

MEMBER AGENCY RELATIONS

No new information was added to the agenda.

GENERAL MANAGER'S REPORTS

Mr. Hunter advised he would be in Washington, DC March 19-22 and on vacation April 22-May 2 (and then off to the ACWA conference).

REVIEW AND DISCUSS DISTRICT AND BOARD ACTIVITIES

No information was presented.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 10:00 a.m.

Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
March 2016

WATER REVENUES

Date	From	Description	Amount
03/03/16	City of La Habra	January 2016 Water deliveries	11,320.39
03/04/16	City of La Palma	January 2016 Water deliveries	5,801.91
03/07/16	City of San Juan Capistrano	January 2016 Water deliveries	176,023.76
03/08/16	City of Newport Beach	January 2016 Water deliveries	765,132.62
03/09/16	Santa Margarita Water District	January 2016 Water deliveries	1,322,580.59
03/09/16	City of Westminster	January 2016 Water deliveries	233,225.74
03/10/16	Laguna Beach County Water District	January 2016 Water deliveries	232,591.80
03/10/16	Santiago Aqueduct Commission	January 2016 Water deliveries	76,731.60
03/10/16	City of Garden Grove	January 2016 Water deliveries	563,706.87
03/14/16	South Coast Water District	January 2016 Water deliveries	347,501.20
03/14/16	City of Buena Park	January 2016 Water deliveries	200,247.06
03/14/16	El Toro Water District	January 2016 Water deliveries	445,904.07
03/14/16	East Orange County Water District	January 2016 Water deliveries	94,198.82
03/15/16	Irvine Ranch Water District	January 2016 Water deliveries	675,862.67
03/15/16	Moulton Niguel Water District	January 2016 Water deliveries	1,421,397.59
03/15/16	Golden State Water Company	January 2016 Water deliveries	407,726.92
03/15/16	Yorba Linda Water District	January 2016 Water deliveries	313,255.01
03/15/16	Mesa Water	January 2016 Water deliveries	27,605.40
03/25/16	City of Brea	February 2016 Water deliveries	76,315.95
03/28/16	Trabuco Canyon Water District	February 2016 Water deliveries	17,336.86

TOTAL REVENUES **\$ 7,414,466.83**

Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
March 2016

MISCELLANEOUS REVENUES

Date	From	Description	Amount
03/02/16	Orange County Water District	1/22/16 Water Policy dinner	80.00
03/07/16	Golden State Water Company	1/22/16 Water Policy dinner	80.00
03/07/16	Moulton Niguel Water District	1/22/16 Water Policy dinner	90.00
03/07/16	Redwine & Sherrill	1/22/16 Water Policy dinner	80.00
03/28/16	Communications Lab	1/22/16 Water policy dinner	800.00
03/30/16	Paypal	5/20/16 OC Water Summit registrations	3,442.25
03/30/16	Irvine Ranch Water District	5/20/16 OC Water Summit sponsorship	7,600.00
03/21/16	City of Anaheim	5/20/16 OC Water Summit sponsorship	1,600.00
03/30/16	Paypal	ISDOC Registrations	580.50
03/02/16	Darcy Burke	March 2016 COBRA insurance premium	1,293.82
03/25/16	Judy Pfister	Apr-Jun 201 Retiree medical insurance	103.05
03/25/16	Phil Letrong	Apr-Jun 201 Retiree medical insurance	98.91
03/04/16	Pat Meszaros	Movie tickets	48.00
03/07/16	Laura Loewen	Movie tickets	17.00
03/21/16	Janice Kovacevic	Movie tickets	32.00
03/28/16	Harvey De La Torre	Movie tickets	85.00
03/30/16	Christina Fuller	Movie tickets	34.00
03/02/16	US Bank	CAL Card rebate check	369.54
03/16/16	Mary Matheis	Reimbursement for 2/24/16 ACWA dinner	80.00
03/14/16	Jeanne Webster	Turf Removal reissue	4,576.00
03/14/16	City of Santa Ana	September 2015 Smart Timer rebate program	241.99
03/14/16	City of Santa Ana	November 2015 Smart Timer rebate program	225.00
03/30/16	Irvine Ranch Water District	November 2015 Smart Timer rebate program	1,444.96
03/02/16	City of Westminster	December 2015 Smart Timer rebate program	75.00
03/07/16	Serrano Water District	January 2016 Smart Timer rebate program	10.94
03/14/16	2 Checks	January 2016 Smart Timer rebate program	150.00
03/28/16	Yorba Linda Water District	January 2016 Smart Timer rebate program	150.00
03/02/16	Irvine Ranch Water District	August 2015 Turf Removal rebate program	60,082.00
03/28/16	City of Newport Beach	October 2015 Turf Removal rebate program	945.00
03/02/16	Irvine Ranch Water District	December 2015 Turf Removal rebate program	1,392.00
03/28/16	City of Newport Beach	November 2015 Smart Timer & Turf Removal rebate program	1,993.00
03/07/16	City of Orange	January 2016 Smart Timer & Turf Removal rebate program	1,988.24
03/09/16	Laguna Beach County Water District	January 2016 Smart Timer & Turf Removal rebate program	7,718.99
03/11/16	City of San Clemente	January 2016 Smart Timer & Turf Removal rebate program	1,487.05
03/14/16	Golden State Water Company	January 2016 Smart Timer & Turf Removal rebate program	2,250.00
03/18/16	City of Brea	January 2016 Smart Timer & Turf Removal rebate program	204.87
03/25/16	City of Tustin	January 2016 Smart Timer & Turf Removal rebate program	11,747.00
03/23/16	Santa Margarita Water District	January 2016 Smart Timer & Rotating Nozzle rebate program	852.30
03/08/16	Irvine Ranch Water District	December 2015 So Cal Watersmart Residential rebate program	15,775.60
03/07/16	Golden State Water Company	January 2016 So Cal Watersmart Residential rebate program	887.97
03/14/16	Moulton Niguel Water District	January 2016 So Cal Watersmart Residential rebate program	9,231.75
03/14/16	Trabuco Canyon Water District	January 2016 So Cal Watersmart Residential rebate program	993.00
03/23/16	Santa Margarita Water District	January 2016 So Cal Watersmart Residential rebate program	3,879.00
03/08/16	Irvine Ranch Water District	January 2016 So Cal Watersmart Residential & Commercial rebate program	31,903.73
03/09/16	City of Garden Grove	January 2016 Turf Removal rebate program	315.00
03/14/16	City of Buena Park	January 2016 Turf Removal rebate program	716.37
03/21/16	City of San Juan Capistrano	January 2016 Turf Removal rebate program	658.90
03/21/16	Moulton Niguel Water District	January 2016 Turf Removal rebate program	303,511.82
03/25/16	City of La Habra	January 2016 Turf Removal rebate program	568.25
03/28/16	City of Newport Beach	January 2016 Turf Removal rebate program	756.61
03/14/16	Moulton Niguel Water District	Dec 2015-Jan 2016 Spray to Drip rebate program	12,900.29
03/23/16	Santa Margarita Water District	Dec 2015-Jan 2016 Spray to Drip rebate program	180.30
03/09/16	Department of Water Resources	Oct-Dec 2014 Industrial Process Water Use Reduction program	63,283.64
03/07/16	City of Orange	Water Loss Control technical assistance - WSO, Inc.	9,432.00
03/07/16	Serrano Water District	Water Loss Control technical assistance - WSO, Inc.	9,432.00
03/07/16	South Coast Water District	Water Loss Control technical assistance - WSO, Inc.	27,032.00

Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
March 2016

MISCELLANEOUS REVENUES

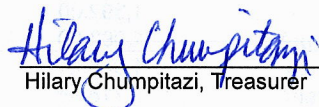
Date	From	Description	Amount
03/14/16	East Orange County Water District	Water Loss Control technical assistance - WSO, Inc.	39,032.00
03/14/16	Trabuco Canyon Water District	Water Loss Control technical assistance - WSO, Inc.	9,432.00
03/18/16	City of Brea	Water Loss Control technical assistance - WSO, Inc.	16,692.00
03/21/16	City of La Habra	Water Loss Control technical assistance - WSO, Inc.	16,692.00
03/25/16	City of San Clemente	Water Loss Control technical assistance - WSO, Inc.	9,432.00
03/28/16	Yorba Linda Water District	Water Loss Control technical assistance - WSO, Inc.	34,292.00
03/25/16	Laguna Beach County Water District	Water Loss Control technical assistance - WSO, Inc.	9,432.00
03/07/16	City of Orange	FY 14-15 O & M Costs of the EOCF #2	28,801.80
03/07/16	South Coast Water District	FY 14-15 O & M Costs of the EOCF #2	2,184.76
03/09/16	Laguna Beach County Water District	FY 14-15 O & M Costs of the EOCF #2	4,096.42
03/11/16	City of Huntington Beach	FY 14-15 O & M Costs of the EOCF #2	17,415.88
03/11/16	City of San Clemente	FY 14-15 O & M Costs of the EOCF #2	2,457.85
03/14/16	City of Newport Beach	FY 14-15 O & M Costs of the EOCF #2	17,253.97
03/14/16	East Orange County Water District	FY 14-15 O & M Costs of the EOCF #2	35,695.72
03/16/16	Santa Margarita Water District	FY 14-15 O & M Costs of the EOCF #2	49,421.60
03/07/16	Metropolitan Water District	Apr 2014-Sep 2015 Foundational Action Funding program Slant Wells	106,339.31
03/10/16	Communications Lab	FY 15-16 Choice Programs Billing Invoice	5,000.00

TOTAL MISCELLANEOUS REVENUES **\$ 1,009,177.95**

TOTAL REVENUES **\$ 8,423,644.78**



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of April 2016**

Invoice#	Vendor / Description	Amount to Pay
Core Expenditures:		
	Richard Ackerman	
1102	March 2016 Legal consulting on water policy issues	2,750.00
	*** Total ***	2,750.00
	ACWA Joint Powers Insurance Authority	
FA-0230320-16	4/1/16- 4/1/17 Annual fidelity insurance premium	1,936.00
	*** Total ***	1,936.00
	Aleshire & Wynder LLP	
36555	February 2016 Legal services	640.00
36927	March 2016 Legal services	2,605.16
	*** Total ***	3,245.16
	ALTA FoodCraft	
516021838	2/24/16 Coffee & tea supplies	300.43
516031696	3/23/16 Coffee & tea supplies	302.30
	*** Total ***	602.73
	Arcadis US, Inc.	
0770250	January 2016 Services for development of Urban Water Management plan	109,202.54
0775389	February 2016 Services for development of Urban Water Management plan	91,281.07
	*** Total ***	200,483.61
	Heather Baez	
030916	Computer Purchase Loan program	1,152.84
	*** Total ***	1,152.84
	Best Best and Krieger LLP	
55401-FEB16	February 2016 Legal services	16,899.47
768249	February 2016 State legislative advocacy services	7,500.00
	*** Total ***	24,399.47
	CDM Smith	
80549872/15	1/31/16-2/27/16 Engineering services for Water Reliability Investigation	14,479.25
	*** Total ***	14,479.25
	Crocker & Crocker	
1565	February 2016 Services for presentation at Public Affairs workshop	3,900.00
	*** Total ***	3,900.00
	Eastern Municipal Water District	
25682	Flash drives for DC Congressional briefing 25% share	190.29
	*** Total ***	190.29
	Finley & Cook PLLC	
SI0014583B	5/22/16-5/21/17 Serenic Navision software annual maintenance & enhancement	15,609.30
	*** Total ***	15,609.30

Municipal Water District of Orange County
Disbursement Approval Report
For the month of April 2016

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	<i>Gladwell Governmental Services Inc.</i>	
3417	March 2016 Services to provide records management needs assessment	1,500.00
	*** Total ***	1,500.00
	<i>GovConnection, Inc.</i>	
53534462	Barracuda message archiver hardware	2,723.72
	*** Total ***	2,723.72
	<i>Independent Special Dist of OC</i>	
033116-001	March 2016 PayPal receipts for 3/31/16 meeting	580.50
	3/31/16 Meeting registration for Directors Barbre, Dick, Finnegan and Osborne	68.00
	*** Total ***	648.50
	<i>James C. Barker, P.C.</i>	
105-0316	March 2016 Federal legislative advocacy services	8,000.00
	*** Total ***	8,000.00
	<i>Karen's Detail Custom Frames</i>	
2777	Custom framing of resolution	113.40
	*** Total ***	113.40
	<i>Lewis Consulting Group, LLC</i>	
2016-112	March 2016 Consulting services	3,875.00
	*** Total ***	3,875.00
	<i>Edward G. Means III</i>	
MWDOC-1037	March 2016 Support on Metropolitan issues & strategic guidance to Engineering department	1,250.00
	*** Total ***	1,250.00
	<i>Metropolitan Water District of S.C.</i>	
NWRA-2016	2016 Annual membership dues for National Water Resources Association	500.00
	*** Total ***	500.00
	<i>Norco Delivery Services</i>	
701239	3/31/16 Delivery charges for MET	66.77
	*** Total ***	66.77
	<i>Office Solutions</i>	
I-00920459	3/3/16 Office supplies	281.80
I-00922442	3/8/16 Office supplies	252.90
I-00924247	3/10/16 Office supplies	234.84
I-00929411	3/18/16 Office supplies	493.60
I-00928083	1 Literature rack	106.92
I-00931698	3/23/16 Office supplies	178.24
	*** Total ***	1,548.30

Municipal Water District of Orange County
Disbursement Approval Report
For the month of April 2016

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
Orange County Water District		
16067	February 2016 Postage, shared office & maintenance expense	8,300.31
16104	January 2016 50% Reimbursement for WACO guest speaker expenses	342.66
16105	2/29/16 Atrium door repair	634.73
	*** Total ***	9,277.70
Patricia Kennedy Inc.		
20771	April 2016 Plant maintenance	214.00
	*** Total ***	214.00
Petty Cash		
033116	February-March 2016 Petty Cash reimbursement	237.86
	*** Total ***	237.86
Quick Signs & Graphics		
44278	1 Poster for Water Awareness contests	184.68
	*** Total ***	184.68
Raftelis Financial Consultants		
OCCA1512-03.	February 2016 Services for Rate Study	13,876.50
OCCA1512-04.	March 2016 Services for Rate Study	15,437.78
	*** Total ***	29,314.28
San Juan Basin Authority		
139835-1	January-March 2015 MET Foundational Actions Funding for San Juan Basin Groundwater and Desalination Optimization program	38,897.50
139835-2	April-June 2015 MET Foundational Actions Funding for San Juan Basin Groundwater and Desalination Optimization program	26,220.52
139835-3	July-September 2015 MET Foundational Actions Funding for San Juan Basin Groundwater and Desalination Optimization program	43,254.00
139835-4	October-December 2015 MET Foundational Actions Funding for San Juan Basin Groundwater and Desalination Optimization program	4,582.66
	*** Total ***	112,954.68
South Coast Water District		
139834-2	April-June 2014 MET Foundational Actions Funding for Overcoming Barriers to Slant Well Seawater Desalination	16,217.20
139834-3	July-September 2014 MET Foundational Actions Funding for Overcoming Barriers to Slant Well Seawater Desalination	17,919.26
139834-4	October-December 2014 MET Foundational Actions Funding for Overcoming Barriers to Slant Well Seawater Desalination	51,166.63
139834-5	January-March 2015 MET Foundational Actions Funding for Overcoming Barriers to Slant Well Seawater Desalination	14,030.75
139834-6	April-June 2015 MET Foundational Actions Funding for Overcoming Barriers to Slant Well Seawater Desalination	5,034.04
139834-7	July-September 2015 MET Foundational Actions Funding for Overcoming Barriers to Slant Well Seawater Desalination	1,971.43
139834-8	October-December 2015 MET Foundational Actions Funding for Overcoming Barriers to Slant Well Seawater Desalination	13,416.51
	*** Total ***	119,755.82

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of April 2016**

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	<i>Spectrum Business Centers</i>	
177118	3/19/16-3/19/17 Annual service maintenance for Ricoh color printer	350.00
	*** Total ***	350.00
	<i>Staples Advantage</i>	
8038192817	2/27/16 Office supplies	101.52
8038494012	3/19/16 Office supplies	79.77
	*** Total ***	181.29
	<i>Talent Assessment and Development, LLC</i>	
2353	March 2016 Services for advanced interview assessment	1,100.00
	*** Total ***	1,100.00
	<i>Union Bank, N.A.</i>	
969962	December 2015-February 2016 Custodial Bank fees	625.00
	*** Total ***	625.00
	<i>Water Systems Optimization, Inc.</i>	
998	1/20/16-2/22/16 Technical services for Water Loss Control program	9,298.48
	*** Total ***	9,298.48
	<i>Pauline D. Wennerstrom</i>	
032216	April-June 2016 Retiree medical premium	882.75
	*** Total ***	882.75
	<i>The Westin South Coast Plaza</i>	
MC26AA-032616	Facility and food for offsite 3/26/16 Special Board meeting	1,965.91
	*** Total ***	1,965.91
	<i>Total Core Expenditures</i>	575,316.79

Choice Expenditures:

	<i>Bryton</i>	
12566	164,550 Bill inserts for Spring water conservation programs	3,954.39
	*** Total ***	3,954.39
	<i>Chambers Group Inc.</i>	
30518	February 2016 Baseline environmental monitoring for Doheny Ocean Desal project	2,435.00
	*** Total ***	2,435.00
	<i>Discovery Science Center</i>	
DSOC/IV/14-	February 2016 School program	17,731.70
	*** Total ***	17,731.70
	<i>Freedom Communications, Inc.</i>	
61990003-MAR16	March 2016 Value of Water pages	27,000.00
	*** Total ***	27,000.00

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of April 2016**

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	Orange County Water District	
16067	February 2016 Postage for Water Use Efficiency programs	577.96
	*** Total ***	577.96
	Quick Signs & Graphics	
44171	20 Garden Friendly program lawn signs	477.90
44181	1 Garden Friendly program banner	319.63
	*** Total ***	797.53
	Top Hat Productions	
91411	3/3/16 Lunch for Water Use Efficiency Workgroup meeting	442.10
91488	3/30/16 Lunch for Water Loss Control workshop	467.91
	*** Total ***	910.01
	Total Choice Expenditures	<u>53,406.59</u>
Other Funds Expenditures:		
	Laguna Beach County Water District	
1000012033	September 2015-February 2016 Direct Install program	9,552.00
	*** Total ***	9,552.00
	Mega Maids	
7652	March 2016 WEROC N. EOC cleaning services	94.00
7720	March 2016 WEROC S. EOC cleaning services	94.00
	*** Total ***	188.00
	Mission RCD	
1961	February 2016 Field verifications for Water Use Efficiency rebate programs	24,778.16
	*** Total ***	24,778.16
	Office Solutions	
I-00924247	3/10/16 Office supplies	58.32
	*** Total ***	58.32
	Water Systems Optimization, Inc.	
998	1/20/16-2/22/16 Technical services for Water Loss Control program	34,805.00
	*** Total ***	34,805.00
	Total Other Funds Expenditures	<u>69,381.48</u>
	Total Expenditures	<u><u>698,104.86</u></u>

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of March 2016**

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
Core Disbursements:				
132701	3/2/16	TIMEWA 5210-MAR16	Time Warner Cable March 2016 Telephone and internet expense ***Total ***	 1,280.57 1,280.57
132705	3/14/16	VERIZO 9761021827	Verizon Wireless February 2016 4G Mobile broadband unlimited service ***Total ***	 76.02 76.02
132706	3/15/16	ACKEEX 022916	Linda Ackerman February 2016 Business expense ***Total ***	 45.36 45.36
132710	3/15/16	C3OFFI INV48481	C3 Office Solutions LLC March 2016 Canon copier maintenance ***Total ***	 378.72 378.72
132714	3/15/16	DELAGE 49031465	De Lage Landen Public Finance March 2016 Canon copier lease ***Total ***	 509.00 509.00
132715	3/15/16	DINHPA 022916	Patrick Dinh February 2016 Business expense ***Total ***	 43.20 43.20
132720	3/15/16	IRONMO MJG0995	Iron Mountain February 2016 Storage/retrieval of archived document ***Total ***	 447.31 447.31
132723	3/15/16	LYONKE 022916	Keith Lyon January-February 2016 Business expense ***Total ***	 137.68 137.68
132732	3/15/16	TAMARI 022916	Satoru Tamaribuchi February 2016 Business expense ***Total ***	 198.18 198.18
132735	3/15/16	VOLZKE 022816	Jonathan Volzke February 2016 Business expense ***Total ***	 242.85 242.85
		BAEZHE	Heather Baez	
ACH001885	3/15/16	013116	January 2016 Business expense	119.03
ACH001886	3/15/16	030116	February-March 2016 Business expense ***Total ***	 716.03 835.06

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of March 2016**

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
ACH001889	3/15/16	DICKEY 022916	Larry Dick February 2016 Business expense ***Total ***	176.58 176.58
ACH001893	3/15/16	FINNEG 022916	Joan Finnegan February 2016 Business expense ***Total ***	75.43 75.43
ACH001895	3/15/16	HINMAN 022916	Susan Hinman February 2016 Business expense ***Total ***	297.85 297.85
ACH001896	3/15/16	LOEWEN 022916	Laura Loewen February 2016 Business expense ***Total ***	102.57 102.57
ACH001908	3/15/16	THOMAS 022816	Jeffery Thomas February 2016 Business expense ***Total ***	78.84 78.84
132927	3/16/16	TIMEWA 3564-MAR16	Time Warner Cable March 2016 Telephone expense for 4 analog fax lines ***Total ***	144.93 144.93
133470	3/31/16	USBANK 5783/6533-FEB16	U.S. Bank 1/22/16-2/22/16 Cal Card charges ***Total ***	8,172.74 8,172.74
ACH001913	3/31/16	BACATI 031716	Tiffany Baca January-March 2016 Business expense ***Total ***	400.69 400.69
ACH001914	3/31/16	BAUMHA 022916	Melissa Baum-Haley January-February 2016 Business expense ***Total ***	139.18 139.18
ACH001915	3/31/16	DELATO 031416	Harvey De La Torre March 2016 Business expense	35.14
ACH001916	3/31/16	032116	March 2016 Business expense ***Total ***	61.80 96.94
ACH001918	3/31/16	HARRIS 031016	Cathleen M. Harris March 2016 Business expense ***Total ***	50.16 50.16
ACH001921	3/31/16	LOEWEN 033116	Laura Loewen March 2016 Business expense ***Total ***	97.67 97.67

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of March 2016**

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
ACH001924	3/31/16	SECKEL 032816	Karl Seckel December 2015-February 2016 Business expense	56.42
			***Total ***	56.42
Total Core Disbursements				14,083.95

Choice Disbursements:

133468	3/31/16	SDGE 7768-MAR16	San Diego Gas and Electric 2/21/16-3/21/16 Electrical service for Doheny Ocean Desal project	200.44
			***Total ***	200.44
ACH001917	3/31/16	FAHLBE 033116	Beth Fahl March 2016 Business expense	60.83
			***Total ***	60.83
Total Choice Disbursements				261.27

Other Funds Disbursements:

132697	3/2/16	ATTEOC 0532-FEB16	AT&T February 2016 WEROC N. EOC dedicated phone line	64.47
			***Total ***	64.47
132702	3/9/16	TURFRP TR5W-IRWD-5506	Turf Removal Program M. Pradhan (re-issue)	472.00
			***Total ***	472.00
132703	3/9/16	TURFRP TR5-SC-091	Turf Removal Program Presidential Heights Community Association (re-issue)	5,200.00
			***Total ***	5,200.00
132704	3/9/16	TURFRP TR5W-MNT-3892	Turf Removal Program A. Abner	1,117.58
			***Total ***	1,117.58
132705	3/14/16	VERIZO 9761021827	Verizon Wireless February 2016 4G Mobile broadband unlimited service	89.57
			***Total ***	89.57
132708	3/15/16	ATTUVEOC 8599-MAR16	AT&T March 2016 U-verse internet service for WEROC N. EOC	55.00
			***Total ***	55.00

Municipal Water District of Orange County
Disbursement Ratification Report
For the month of March 2016

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
132725	3/15/16	OCWD	Orange County Water District	
		15995	January 2016 GWRS MET credit	1,189,161.25
			Total	1,189,161.25
	3/15/16	PUBSPA	Public Spaces Program	
132727		#8	City of Laguna Hills rebate	64,987.00
132728		030916	Mission Viejo rebate	61,470.00
			Total	126,457.00
132734	3/15/16	TURFRP	Turf Removal Program	
		TR5W-SM-3511A	J. Webster (re-issue)	4,576.00
			Total	4,576.00
		TURFRP	Turf Removal Program	
132736	3/15/16	TR5W-GG-3164	D. Nguyen	1,676.72
132737	3/15/16	TR6-HB-6192-5221	D. Hart	2,150.00
132738	3/15/16	TR6-HB-6667-6811	C. Ho	976.67
132739	3/15/16	TR6-NWPT-7097-21	P. Stevens	1,730.00
132740	3/15/16	TR6-O-7871-1650	R. Carter	4,189.11
132741	3/15/16	TR6-SC-7259-1302	R. Sutton	1,758.22
132742	3/15/16	TR6-ETWD-6180-25641	J. Brusca	1,580.00
132743	3/15/16	TR5W-GSWC-4004	B. Stoner	1,213.73
132744	3/15/16	TR5W-GSWC-4726	D. Mineo	1,788.00
132745	3/15/16	TR5W-GSWC-5174	D. Vo	3,434.00
132746	3/15/16	TR5W-GSWC-5771	M. Hunter	5,612.00
132747	3/15/16	TR5W-GSWC-5848	S. Albrecht	792.00
132748	3/15/16	TR6-GSWC-10083-330	R. Wilson	2,400.00
132749	3/15/16	TR6-GSWC-10294-4311	J. Uehara	774.00
132750	3/15/16	TR6-GSWC-10390-4478	P. Sandler	816.00
132751	3/15/16	TR6-GSWC-6383-5374	R. Tripp	3,532.00
132752	3/15/16	TR6-GSWC-7165-501	J. Lee	6,000.00
132753	3/15/16	TR6-GSWC-7274-10088	J. Groot	3,902.00
132754	3/15/16	TR6-GSWC-7413-10532	J. Sears	970.00
132755	3/15/16	TR6-GSWC-8037-310	D. Lee - Amko Development (Placentia)	4,612.00
132756	3/15/16	TR6-GSWC-8411-1536	R. Moretti	1,168.00
132757	3/15/16	TR6-GSWC-8460-3582	R. Brito	4,910.00
132758	3/15/16	TR6-GSWC-8765-3112	H. Taghdiri	3,766.00
132759	3/15/16	TR6-GSWC-9753-11375	D. Jones	2,048.00
132760	3/15/16	TR6-GSWC-9778-10432	J. Seeling	1,540.00
132761	3/15/16	TR5-IRWD-345	K. Rawls	3,266.00
132762	3/15/16	TR5W-IRWD-4153	D. Hinshaw	892.00
132763	3/15/16	TR5W-IRWD-4213	S. Tate	944.00
132764	3/15/16	TR5W-IRWD-4377	D. Clark	1,534.00
132765	3/15/16	TR5W-IRWD-4736D	K. OGrady	1,218.00
132766	3/15/16	TR5W-IRWD-5022	A. Grinstead	2,818.00
132767	3/15/16	TR5W-IRWD-5277	D. Hackett	1,124.00
132768	3/15/16	TR5W-IRWD-5406	L. Scholle	13,910.00
132769	3/15/16	TR5W-IRWD-5536	Z. Hernandez	3,500.00

Municipal Water District of Orange County
Disbursement Ratification Report
For the month of March 2016

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
132770	3/15/16	TR5W-IRWD-6453	P. Whitmee	1,830.00
132771	3/15/16	TR5W-IRWD-5871	R. Henry	260.00
132772	3/15/16	TR6-IRWD-10057-12600	J. Ho	3,056.00
132773	3/15/16	TR6-IRWD-10108-25031	B. Hoiseth	2,078.00
132774	3/15/16	TR6-IRWD-10156-25	S. Roshanzaer	836.00
132775	3/15/16	TR6-IRWD-10158-21476	B. Wong	784.00
132776	3/15/16	TR6-IRWD-10298-15	P. Lam	1,090.00
132777	3/15/16	TR6-IRWD-10521-14661	S. Connolly	836.00
132778	3/15/16	TR6-IRWD-6286-15501	R. Ong	1,070.00
132779	3/15/16	TR6-IRWD-6343-23241	N. Grizzle	3,272.00
132780	3/15/16	TR6-IRWD-6359-22612	K. Felker	2,744.00
132781	3/15/16	TR6-IRWD-6540-25312	E. Ashman	1,884.00
132782	3/15/16	TR6-IRWD-6865-23	C. Do	504.00
132783	3/15/16	TR6-IRWD-6951-19342	S. Fjelstad	1,472.00
132784	3/15/16	TR6-IRWD-7174-18963	J. Summers	782.00
132785	3/15/16	TR6-IRWD-7353-20481	Herbalife Manufacturing, LLC (Lake Forest)	8,960.00
132786	3/15/16	TR6-IRWD-8117-30	G. Beauton	1,926.00
132787	3/15/16	TR6-IRWD-8148-77	K. Guoyavatin	282.00
132788	3/15/16	TR6-IRWD-8404-3	J. Harrison	3,864.00
132789	3/15/16	TR6-IRWD-8426-23	J. Welsh	2,934.00
132790	3/15/16	TR6-IRWD-8632-2	B. Liu	586.00
132791	3/15/16	TR6-IRWD-8692-12500	R. Yin	5,980.00
132792	3/15/16	TR6-IRWD-8892-15441	S. Campbell	1,806.00
132793	3/15/16	TR6-IRWD-8942-17891	TC Communications, Inc. (Irvine)	4,953.00
132794	3/15/16	TR6-IRWD-9021-21	R. Koch	2,114.00
132795	3/15/16	TR6-IRWD-9066-4892	V. Ton	1,576.00
132796	3/15/16	TR6-IRWD-9480-63	J. Asher	854.00
132797	3/15/16	TR6-IRWD-9728-1	S. Mikus	2,134.00
132798	3/15/16	TR6-IRWD-9824-11	T. Passerello	3,788.00
132799	3/15/16	TR7-IRWD-10693-55	G. Fu	806.00
132800	3/15/16	TR7-IRWD-11120-2	L. Sims	1,230.00
132801	3/15/16	TR7-IRWD-11132-14	W. Liu	662.00
132802	3/15/16	TR7-IRWD-11156-21901	K. Blitz	5,070.00
132803	3/15/16	TR7-IRWD-11235-26025	S. Ramirez	2,706.00
132804	3/15/16	TR7-IRWD-11284-25952	J. Fejeran	1,142.00
132805	3/15/16	TR7-IRWD-11306-28976	S. King	776.00
132806	3/15/16	TR7-IRWD-11318-14691	R. Tavares	1,450.00
132807	3/15/16	TR7-IRWD-11406-23	J. Hendrickson	1,248.00
132808	3/15/16	TR7-IRWD-11431-9	R. Beaulac	528.00
132809	3/15/16	TR7-IRWD-11674-53	D. Weintraub	500.00
132810	3/15/16	TR7-IRWD-11683-24992	S. DeNicola	1,084.00
132811	3/15/16	TR7-IRWD-11701-55	J. Duan	360.00
132812	3/15/16	TR7-IRWD-11815-21836	T. Trytten	1,624.00
132813	3/15/16	TR7-IRWD-23493-1510	R. Marfatia	2,262.00
132814	3/15/16	TR7-IRWD-23583-22542	D. Cain	820.00
132815	3/15/16	TR6-IRWD-8434-25971	S. and J. Scardina	884.00
132816	3/15/16	TR6-IRWD-8459-26432	D. Rodriguez	5,150.00
132817	3/15/16	TR6-IRWD-8462-2615	T. Messmer	370.00

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Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
132818	3/15/16	TR7-IRWD-11609-22651	R. Clark	2,786.00
132819	3/15/16	TR6-MNT-6179-17	R. Meng	1,106.00
132820	3/15/16	TR6-MNT-10346-24822	R. Hanakawa	514.40
132821	3/15/16	TR6-MNT-10364-4	L. Brenes	787.34
132822	3/15/16	TR6-YLWD-6204-5474	F. Bailey	2,380.00
132823	3/15/16	TR5W-BP-6057	M. Foulkes	2,474.00
132824	3/15/16	TR5-FV-024	T. Nhan	2,648.00
132825	3/15/16	TR6-FV-10036-18939	M. Kennan	1,080.00
132826	3/15/16	TR6-FV-10381-9730	M. Mathews	3,180.00
132827	3/15/16	TR6-FV-7276-18577	S. Nguyen	2,482.00
132828	3/15/16	TR6-FV-8693-11724	H. Mkrdjian	850.00
132829	3/15/16	TR6-FV-9704-17926	J. Armstrong	1,124.00
132830	3/15/16	TR5W-GG-3194	T. Chang	2,430.00
132831	3/15/16	TR5W-GG-4487	D. Lewis	10,912.00
132832	3/15/16	TR5W-GG-4488	S. Kim	2,040.00
132833	3/15/16	TR6-GG-10042-12612	C. Nguyen	4,371.01
132834	3/15/16	TR6-GG-8150-8611	D. Powers	3,506.00
132835	3/15/16	TR6-HB-10143-17912	T. and A. Arnold	4,938.00
132836	3/15/16	TR6-HB-6622-8472	A. Hale	802.84
132837	3/15/16	TR6-HB-6771-17331	C. Eguchi	1,621.22
132838	3/15/16	TR6-HB-7198-9611	M. Kelso	1,590.00
132839	3/15/16	TR6-HB-7988-708	F. Babayan	1,609.35
132840	3/15/16	TR6-HB-8109-8851	P. Heitmeyer	1,220.00
132841	3/15/16	TR6-HB-8779-19161	J. Gustafson	1,753.00
132842	3/15/16	TR6-HB-9410-8401	R. Molloy	3,030.00
132843	3/15/16	TR6-LP-6972-7642	R. Gahagan	1,134.00
132844	3/15/16	TR5W-NWPT-5521	J. Norberg	1,224.00
132845	3/15/16	TR6-NWPT-7250-1126	R. Fitzgerald	2,534.00
132846	3/15/16	TR6-NWPT-7424-2008	R. Longman	2,068.00
132847	3/15/16	TR6-NWPT-7502-1132	D. Woltemath	2,428.00
132848	3/15/16	TR6-NWPT-7754-1209	G. Dreyfus	664.00
132849	3/15/16	TR6-NWPT-8120-1715	J. Feeley	1,108.00
132850	3/15/16	TR5W-O-5474	Los Tesoros HOA (Lake Forest)	1,950.00
132851	3/15/16	TR5W-O-5541	S. and R. Hall	6,229.26
132852	3/15/16	TR6-O-10433-2621	S. Nguyen	6,000.00
132853	3/15/16	TR6-O-6367-631	D. Ronan	5,986.00
132854	3/15/16	TR6-O-6381-2838	L. Tong	1,506.00
132855	3/15/16	TR6-O-7068-919	P. Meza	3,700.00
132856	3/15/16	TR6-O-7716-875	C. Blevins	3,096.00
132857	3/15/16	TR6-O-8068-3735	J. Gulliver	3,676.00
132858	3/15/16	TR6-O-8519-605	M. Price	1,728.00
132859	3/15/16	TR6-O-8895-3929	A. Truong	4,434.00
132860	3/15/16	TR6-O-9359-4187	C. Zanotti	1,226.00
132861	3/15/16	TR6-O-9751-222	T. Burton	856.00
132862	3/15/16	TR5W-SC-3234	J. Grey	1,228.00
132863	3/15/16	TR5W-SC-4470	G. Hazlett	2,974.00
132864	3/15/16	TR6-SC-10184-2850	N. Jago	4,608.00
132865	3/15/16	TR6-SC-10297-221	City of San Clemente	9,532.00

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132866	3/15/16	TR6-SC-10393-3106	L. Santos	1,258.00
132867	3/15/16	TR6-SC-10430-1204	M. Rogers	2,412.00
132868	3/15/16	TR6-SC-6885-351	J. Jones	630.00
132869	3/15/16	TR6-SC-7059-247	D. Horner	1,532.00
132870	3/15/16	TR6-SC-7464-1705	S. Price	952.00
132871	3/15/16	TR6-SC-8943-2142	S. Hinrichs	1,542.00
132872	3/15/16	TR6-SC-9946-102	L. Cavell	4,010.00
132873	3/15/16	TR5W-SJC-4072	C. Smith	3,488.00
132874	3/15/16	TR5W-SJC-4199	M. Davidson	2,714.00
132875	3/15/16	TR5W-SJC-4326	L. Salazar	1,164.00
132876	3/15/16	TR5W-SJC-4767	S. Rios	5,510.00
132877	3/15/16	TR5W-SJC-4796	C. Stavana	1,114.00
132878	3/15/16	TR5W-SJC-5216	T. McCardle	3,382.00
132879	3/15/16	TR6-SJC-10271-33791	J. Bottjer	2,678.00
132880	3/15/16	TR6-SJC-6553-25451	K. Sweet	1,170.00
132881	3/15/16	TR6-SJC-6889-31971	S. Kelly	2,634.00
132882	3/15/16	TR6-SJC-7708-27781	C. Reddick	602.00
132883	3/15/16	TR6-SJC-8072-31862	J. Mazzotti	2,654.00
132884	3/15/16	TR6-SJC-8303-25601	K. Velasquez	387.97
132885	3/15/16	TR6-SJC-9124-27112	San Juan Community Association #4 (Laguna Niguel)	15,377.00
132886	3/15/16	TR6-SB-7497-253	D. Noonan	910.00
132887	3/15/16	TR5W-TUST-3440	J. George	3,946.00
132888	3/15/16	TR5W-TUST-6036	Tustin Unified School District	5,090.00
132889	3/15/16	TR6-TUST-10139-13291	G. Rowell	6,000.00
132890	3/15/16	TR6-TUST-10425-12591	J. Mills	5,013.00
132891	3/15/16	TR6-TUST-7003-17471	R. Rzepecki	4,200.00
132892	3/15/16	TR6-TUST-7703-1562	T. Hong	5,907.00
132893	3/15/16	TR6-TUST-7979-13902	Tree Haven Owners Association (Santa Ana)	25,000.00
132894	3/15/16	TR5W-WEST-5339	N. Tran	1,562.00
132895	3/15/16	TR6-ETWD-9417-24335	J. Goldstein	1,466.00
132896	3/15/16	TR6-IRWD-9484-18	M. Spitz	1,334.00
132897	3/15/16	TR6-IRWD-9874-27	N. Kingston	2,602.00
132898	3/15/16	TR6-MNT-8803-1	City of Mission Viejo	7,504.00
132899	3/15/16	TR6-MNT-8809-1	City of Mission Viejo	6,314.00
132900	3/15/16	TR6-MNT-8805-1	City of Mission Viejo	3,524.50
132901	3/15/16	TR5W-MNT-5959	G. Weber	6,366.50
132902	3/15/16	TR6-MNT-6708-27033	City of Mission Viejo	8,610.00
132903	3/15/16	TR6-MNT-6654-1	City of Mission Viejo	10,030.59
132904	3/15/16	TR6-SM-8838-1	City of Mission Viejo	25,373.00
132905	3/15/16	TR6-SM-8782-1	City of Mission Viejo	5,194.00
132906	3/15/16	TR6-SM-6656-1	City of Mission Viejo	2,652.00
132907	3/15/16	TR6-SM-8785-1	City of Mission Viejo	3,574.00
132908	3/15/16	TR6-HB-7990-704	F. Babayan	2,682.00
132909	3/15/16	TR7-TC-24784-31855	M. Froome	1,540.00
132910	3/15/16	TR7-SM-11274-26	G. DeMattia	510.00
132911	3/15/16	TR7-HB-11295-16952	L. Thomas	1,000.00
132912	3/15/16	TR7-BREA-11194-811	B. Armani	2,250.00
132913	3/15/16	TR7-SJC-11514-29565	L. McClain	2,000.00

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132914	3/15/16	TR7-HB-11632-6922	W. Stevens	826.00
132915	3/15/16	TR7-SM-23734-26336	M. Schroeder	1,100.00
132916	3/15/16	TR7-LP-10999-7302	A. Caira	1,400.00
132917	3/15/16	TR7-SM-11254-19	L. Noyes	1,598.00
132918	3/15/16	TR7-R-BREA-2017-1961	J. Kimble	1,200.00
132919	3/15/16	TR7-SM-11763-9	R. Lantz	1,572.00
132920	3/15/16	TR7-BREA-11777-1710	M. Robertson	900.00
132921	3/15/16	TR6-BREA-10062-1292	P. Boss	3,166.00
				535,723.43
DRIPPR				
Spray to Drip Program				
132923	3/16/16	S2D-SCWD-3863	T. Parry	350.00
132924	3/16/16	S2D-SMWD-3847	A. Spencer	205.00
132925	3/16/16	S2D-SMWD-3873	M. Beas	602.40
132926	3/16/16	S2D-SMWD-3871	J. Boelter	151.74
***Total ***				1,309.14
TURFRP				
132928	3/23/16	TR6-SOCO-8006-22353	R. Elster	2,912.00
***Total ***				2,912.00
TURFRP				
Turf Removal Program				
132929	3/25/16	TR6-BREA-9440-300	F. or S. Schneider	1,564.00
132930	3/25/16	TR6-BP-9357-7642	J. Kim	4,614.00
132931	3/25/16	TR6-GG-10258-5792	K. Armstrong	1,336.00
132932	3/25/16	TR5W-HB-1173	G. Boehm	5,230.00
132933	3/25/16	TR5W-HB-5398	J. Holmes	5,218.00
132934	3/25/16	TR6-HB-6561-8122	T. Brinker	408.32
132935	3/25/16	TR6-HB-7265-6232	J. Barnes	2,640.00
132936	3/25/16	TR6-HB-7663-8501	C. Cribbs	870.00
132937	3/25/16	TR6-HB-8881-6002	P. Pockels	3,422.00
132938	3/25/16	TR6-HB-9179-15172	K. Hesse	1,892.00
132939	3/25/16	TR6-HB-9251-1713	T. Anthony	986.84
132940	3/25/16	TR5W-SC-4051	R. Martinez	3,050.00
132941	3/25/16	TR5W-SC-5273	Sea Pointe Estates (San Clemente)	1,040.00
132942	3/25/16	TR5W-SC-5275	Sea Pointe Estates (San Clemente)	5,160.00
132943	3/25/16	TR5W-SC-5278	Sea Pointe Estates (San Clemente)	10,912.00
132944	3/25/16	TR5W-SC-5435	A. Fuertes	1,006.00
132945	3/25/16	TR5W-SC-5770	R. Realmuto	4,046.00
132946	3/25/16	TR6-SC-10103-529	D. Kulstad	5,646.00
132947	3/25/16	TR6-SC-10379-1302	A. Gottardi	252.00
132948	3/25/16	TR6-SC-6366-5215	S. Blaney	2,224.00
132949	3/25/16	TR6-SC-7221-2016	D. Meindertsma	1,304.00
132950	3/25/16	TR6-SC-7654-602	M. Pisoni	2,936.00
132951	3/25/16	TR6-SC-9520-2802	L. Muslin	2,166.00
132952	3/25/16	TR6-SC-9915-2861	T. Murphy	3,174.00
132953	3/25/16	TR5W-TUST-4692	E. Weltmer	4,117.00
132954	3/25/16	TR5W-TUST-5601	M. Castle	6,213.00

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132955	3/25/16	TR5W-TUST-6053	A. Jensen	6,054.00
132956	3/25/16	TR6-TUST-6887-13052	O. Olmedo	1,416.00
132957	3/25/16	TR6-TUST-7550-12112	E. Dalis	4,632.00
132958	3/25/16	TR6-WEST-7233-5842	E. Karpukh	1,080.00
132959	3/25/16	TR6-WEST-8217-14332	T. Pham	1,852.00
132960	3/25/16	TR6-WEST-9642-6472	G. Austin	2,722.00
132961	3/25/16	TR6-ETWD-10199-25875	L. De La Cruz	1,472.00
132962	3/25/16	TR6-ETWD-10462-25742	S. Lewis	1,466.15
132963	3/25/16	TR6-ETWD-6126-26611	R. Clark	1,848.00
132964	3/25/16	TR6-ETWD-9313-23592	L. Rockhold	1,402.00
132966	3/25/16	TR5W-GSWC-5495	S. Yoon	7,904.00
132967	3/25/16	TR6-GSWC-6104-11841	P. OConnell	1,772.00
132968	3/25/16	TR6-GSWC-6638-10801	M. McAlister	2,574.00
132969	3/25/16	TR6-GSWC-7285-8362	H. Nguyen	3,184.00
132970	3/25/16	TR6-GSWC-8752-3282	G. Post	1,640.00
132971	3/25/16	TR5W-IRWD-3579	J. Davis	530.00
132972	3/25/16	TR6-IRWD-7525-17112	CNH, LLC (Irvine)	4,486.00
132973	3/25/16	TR6-IRWD-7529-1672	CNH, LLC (Irvine)	1,868.00
132974	3/25/16	TR6-MESA-6928-274	S. Dewane	6,000.00
132975	3/25/16	TR5W-MNT-4039	G. Anfuso	1,291.50
132976	3/25/16	TR5W-MNT-4546	F. Kamgar	3,717.00
132977	3/25/16	TR5W-MNT-5226	R. Johnson	7,238.00
132978	3/25/16	TR5W-MNT-5820	T. Dayton	3,286.50
132979	3/25/16	TR6-MNT-10031-35	M. George	4,300.00
132980	3/25/16	TR6-MNT-10219-23308	C. Evans	2,755.00
132981	3/25/16	TR6-MNT-10282-10	A. Jannard	20,052.00
132982	3/25/16	TR6-MNT-10596-26492	F. Wang	7,073.50
132983	3/25/16	TR6-MNT-6193-23982	R. Davies	6,049.00
132984	3/25/16	TR6-MNT-6360-28411	J. Hudson	2,373.00
132985	3/25/16	TR6-MNT-6386-31141	Monarch Summit II (Mission Viejo)	11,420.00
132986	3/25/16	TR6-MNT-6563-24381	M. Dyer	2,635.50
132987	3/25/16	TR6-MNT-6809-29792	M. Shore	2,475.00
132988	3/25/16	TR6-MNT-7544-5	K. Sadeghi	1,435.00
132989	3/25/16	TR6-MNT-7553-8	J. Vaughan	6,688.50
132990	3/25/16	TR6-MNT-7577-26331	V. Williams	1,910.00
132991	3/25/16	TR6-MNT-7753-7	E. Kerr	6,769.00
132992	3/25/16	TR6-MNT-7786-30766	W. Bowman	4,239.00
132993	3/25/16	TR6-MNT-7877-33	P. Stirtz	4,205.00
132994	3/25/16	TR6-MNT-7900-26711	R. Carter	3,356.50
132995	3/25/16	TR6-MNT-8053-26345	C. Schwab	4,875.00
132996	3/25/16	TR6-MNT-8153-25293	S. Rigas	1,260.00
132997	3/25/16	TR6-MNT-8242-24652	D. Walker	8,543.50
132998	3/25/16	TR6-MNT-8394-12	S. Quigley	3,715.00
132999	3/25/16	TR6-MNT-8571-23576	S. Skinner	1,414.00
133000	3/25/16	TR6-MNT-8685-26505	N. Haupenthal	1,350.00
133001	3/25/16	TR6-MNT-8725-27785	D. Raheja	1,451.00
133002	3/25/16	TR6-MNT-9018-27551	L. Block	9,842.00
133003	3/25/16	TR6-MNT-9301-31172	J. Voss	2,250.00

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133004	3/25/16	TR6-MNT-9583-50	D. Wolin	1,855.00
133005	3/25/16	TR6-MNT-9758-26052	E. Stoddard	14,764.50
133006	3/25/16	TR7-MNT-11130-24572	J. Dvorznak	2,089.50
133007	3/25/16	TR7-MNT-11139-8	B. Trottman	2,971.50
133008	3/25/16	TR7-MNT-11538-26712	J. Marshall	1,289.50
133009	3/25/16	TR7-MNT-11778-22	D. Olds	600.00
133010	3/25/16	TR7-MNT-11918-23612	D. Forsyth	2,999.50
133011	3/25/16	TR7-MNT-11939-25931	R. Tayenaka	1,890.00
133012	3/25/16	TR6-SWD-7714-18891	J. Bartley	5,424.00
133013	3/25/16	TR5-SOCO-106	K. Fraser	848.00
133014	3/25/16	TR6-TC-9668-31862	R. Chamberlain	5,886.00
133015	3/25/16	TR6-YLWD-8592-4771	M. Ham	2,562.00
133016	3/25/16	TR7-IRWD-11341-21935	G. Fernandez	2,218.00
133017	3/25/16	TR6-NWPT-6525-1106	R. Wilson	2,234.00
133018	3/25/16	TR6-TUST-10088-14722	J. Pirmann	9,000.00
133019	3/25/16	TR6-TUST-6978-13131	A. Kendall	2,025.00
133020	3/25/16	TR6-TUST-9741-13241	D. Whitsell	3,078.00
133021	3/25/16	TR6-TUST-9961-13001	B. Brown	5,193.00
133022	3/25/16	TR5W-ETWD-5613	R. Zayas	2,470.24
133023	3/25/16	TR6-ETWD-8470-24532	F. Soliman	2,108.00
133024	3/25/16	TR6-ETWD-8804-25291	Park Aliso Villas HOA (Santa Ana)	8,659.00
133025	3/25/16	TR6-ETWD-8860-24251	R. Alcala	3,100.00
133026	3/25/16	TR5W-GSWC-5077	J. Sikes	2,412.00
133027	3/25/16	TR5W-GSWC-5371	J. Lascari	2,866.00
133028	3/25/16	TR5W-GSWC-5936	K. Rosenberg	1,554.00
133029	3/25/16	TR6-GSWC-10135-408	A. Cuthbert	350.00
133030	3/25/16	TR6-GSWC-10231-324	S. Tanaka	2,976.00
133031	3/25/16	TR6-GSWC-6810-1734	T. Olson	2,734.00
133032	3/25/16	TR6-GSWC-7134-407	N. Tabio	804.00
133033	3/25/16	TR6-GSWC-7627-1352	M. Sporty	1,844.00
133034	3/25/16	TR6-GSWC-9036-19731	C. Mona	758.00
133035	3/25/16	TR6-GSWC-9075-10112	E. Chipp	1,522.00
133036	3/25/16	TR6-GSWC-9483-1302	D. Wheeler	980.00
133037	3/25/16	TR6-GSWC-9494-1642	A. Ordoubadian	1,774.00
133038	3/25/16	TR5W-IRWD-4076	J. Aranke	270.00
133039	3/25/16	TR5W-IRWD-5335	T. Quebbemann	4,900.00
133040	3/25/16	TR5W-IRWD-5562	J. Shedarowich	4,304.00
133041	3/25/16	TR5W-IRWD-5625	K. Dunn	1,836.00
133042	3/25/16	TR5W-IRWD-5809ADD	K. Lazarovits	640.00
133043	3/25/16	TR5W-IRWD-6050	C. or J. Karjala	1,274.03
133044	3/25/16	TR6-IRWD-10004-17692	KAPAAR, Inc. (Irvine)	2,102.00
133045	3/25/16	TR6-IRWD-10316-22113	L. Ward	2,224.00
133046	3/25/16	TR6-IRWD-10428-8	A. Strauss	1,784.00
133047	3/25/16	TR6-IRWD-6128-26	J. Lipton	1,125.00
133048	3/25/16	TR6-IRWD-6306-21461	L. Linton	1,808.00
133049	3/25/16	TR6-IRWD-6473-18981	F. Hite	2,314.00
133050	3/25/16	TR6-IRWD-6794-74	R. Collins	724.00
133051	3/25/16	TR6-IRWD-7110-22	Turtle Rock Summit Town Association (Laguna Hills)	12,722.00

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Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
133052	3/25/16	TR6-IRWD-8007-40	G. Jeffery	1,236.00
133053	3/25/16	TR6-IRWD-8065-25251	Hillview Serrano HOA (Irvine)	4,774.00
133054	3/25/16	TR6-IRWD-8280-4502	L. Peterson	1,388.00
133055	3/25/16	TR6-IRWD-8493-25102	A. Nelson	3,078.00
133056	3/25/16	TR6-IRWD-8500-8	R. Pestolesi	530.00
133057	3/25/16	TR6-IRWD-8584-4	G. Kanthatham	506.00
133058	3/25/16	TR6-IRWD-9056-22291	R. Stein	680.00
133059	3/25/16	TR6-IRWD-9242-2	C. Sentner	1,446.00
133060	3/25/16	TR6-IRWD-9913-35	J. Evans	1,610.00
133061	3/25/16	TR7-IRWD-11163-5	M. Goldfarb	824.00
133062	3/25/16	TR7-IRWD-11448-25042	P. Lettieri	1,454.00
133063	3/25/16	TR7-IRWD-11504-10	B. Kaino	728.00
133064	3/25/16	TR7-IRWD-11552-17302	O. Zabarsky	6,000.00
133065	3/25/16	TR7-IRWD-11605-21802	S. Liu	848.00
133066	3/25/16	TR7-IRWD-11673-7	C. Terrasi	948.00
133067	3/25/16	TR7-IRWD-23455-22	P. Siemion	1,084.00
133068	3/25/16	TR7-IRWD-23655-25201	B. McCann	768.00
133069	3/25/16	TR5W-LB-5198	S. Lucidi-Azera	4,350.00
133070	3/25/16	TR6-LB-9973-3090	S. Simchowitz	864.00
133071	3/25/16	TR5W-MNT-4022	K. Atton	3,339.00
133072	3/25/16	TR5W-MNT-4743	S. Long	2,485.00
133073	3/25/16	TR6-MNT-6564-18	N. Benedetti	2,131.50
133074	3/25/16	TR6-MNT-7013-30992	D. Armstrong	1,750.00
133075	3/25/16	TR6-MNT-7724-27101	Oxford Spectrum Wilson, LLC. (Aliso Viejo)	2,672.50
133076	3/25/16	TR6-MNT-7806-5	M. Harden	3,427.00
133077	3/25/16	TR6-MNT-8456-5	G. Gill	3,035.00
133078	3/25/16	TR6-MNT-9486-28491	S. Poulalion	2,222.50
133079	3/25/16	TR6-SWD-6886-18512	R. Barnett	5,061.68
133080	3/25/16	TR6-SOCO-6792-33881	D. Snipes	3,360.00
133081	3/25/16	TR5W-YLWD-3416	K. Muranaka	7,662.00
133082	3/25/16	TR6-YLWD-10112-4781	D. Kennedy	3,230.00
133083	3/25/16	TR6-O-8376-3723	P. Ohsan	5,142.00
133084	3/25/16	TR6-GSWC-8911-3122	S. Lamoureux	2,152.00
133085	3/25/16	TR7-IRWD-11327-32	V. Mackey	1,342.00
133086	3/25/16	TR5W-SM-5812	Palmia Master Association (Mission Viejo)	25,000.00
133087	3/25/16	TR6-SM-8054ADD-21092	S. Wright	282.40
133089	3/25/16	TR5W-HB-5187	D. Saylor	563.91
				523,139.07
		TURFRP	Turf Removal Program	
133090	3/29/16	TR5-TUST-018	C. Owen	1,502.00
133091	3/29/16	TR6-ETWD-6489-24932	F. Jones	1,004.23
133092	3/29/16	TR6-GSWC-7163-1028	J. Sifter	2,532.00
133093	3/29/16	TR6-GSWC-8239-5851	E. Galloway	2,086.00
133094	3/29/16	TR5W-IRWD-5310	B. Endres	1,566.00
133095	3/29/16	TR6-IRWD-9204-20975	R. Rigole	6,000.00
133096	3/29/16	TR7-IRWD-11798-22102	D. Frigger	1,294.00
133097	3/29/16	TR7-IRWD-23699-24971	V. Alasti	1,864.00
133098	3/29/16	TR5W-MESA-4908	K. Seckel	1,266.00

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133099	3/29/16	TR6-MESA-10516-2324	D. Goldmann	2,532.00
133100	3/29/16	TR6-MESA-6202-2375	R. Carlson	1,034.00
133101	3/29/16	TR6-MESA-6243-2281	Canyon Heights HOA (Costa Mesa)	399.00
133102	3/29/16	TR6-MESA-8067-2881	Bear Villa Apartments (Laguna Hills)	2,663.00
133103	3/29/16	TR5W-MNT-5558	W. Hillyard	4,172.00
133104	3/29/16	TR5W-MNT-5579	S. Leone	2,385.00
133105	3/29/16	TR5W-MNT-5800	G. Luther	3,448.00
133106	3/29/16	TR6-MNT-10002-26492	P. Wachenheim	3,325.00
133107	3/29/16	TR6-MNT-10459-26936	D. McElhane	1,946.00
133108	3/29/16	TR6-MNT-6828-15	S. Grabske	7,317.50
133109	3/29/16	TR6-MNT-7302-25241	G. Danenhauer	5,060.00
133110	3/29/16	TR6-MNT-7885-25901	M. Toohey	6,081.40
133111	3/29/16	TR6-MNT-8223-26112	K. Darban	3,255.00
133112	3/29/16	TR6-MNT-8457-28705	P. Lask	3,358.50
133113	3/29/16	TR6-MNT-8476-25041	G. Trauffer	4,574.50
133114	3/29/16	TR6-MNT-8660-24556	P. Cook	5,875.00
133115	3/29/16	TR6-MNT-9252-30401	B. Harper	2,990.00
133116	3/29/16	TR5-SM-159	City of Mission Viejo	61,470.00
133117	3/29/16	TR5W-SM-4084	N. Donsker	2,408.00
133118	3/29/16	TR5W-SM-5104	T. Glander	1,038.00
133119	3/29/16	TR5W-SM-5267	J. Utterback	1,758.00
133120	3/29/16	TR5W-SM-5637	H. Knox	890.00
133121	3/29/16	TR6-SM-10034-8	P. Dolbee	1,116.00
133122	3/29/16	TR6-SM-10051-27182	M. Liberg	1,558.00
133123	3/29/16	TR6-SM-10518-22511	D. Teran	1,384.00
133124	3/29/16	TR6-SM-10636-27651	Casta del Sol HOA (Mission Viejo)	23,980.00
133125	3/29/16	TR6-SM-6101-21081	S. Jones	736.00
133126	3/29/16	TR6-SM-6434-22300	Canyon Estates Community Association (Mission Viejo)	2,545.00
133127	3/29/16	TR6-SM-6463-1	B. Foster	2,300.00
133128	3/29/16	TR6-SM-6652-49	D. Reed	508.00
133129	3/29/16	TR6-SM-6705-27221	P. Hinds	4,058.00
133130	3/29/16	TR6-SM-6840-11	J. Graham	3,866.00
133131	3/29/16	TR6-SM-7478-27101	L. Burns	1,208.00
133132	3/29/16	TR6-SM-7536-25066	K. Fallahay	968.00
133133	3/29/16	TR6-SM-7606-7	R. Bozarth	438.00
133134	3/29/16	TR6-SM-7723-27292	B. Salamack	1,224.00
133135	3/29/16	TR6-SM-8152-23	R. Falconi	1,080.00
133136	3/29/16	TR6-SM-8290-15	C. Evans	578.00
133137	3/29/16	TR6-SM-8553-21565	D. Elliott	6,000.00
133138	3/29/16	TR6-SM-8833-25915	J. Johnston	800.00
133139	3/29/16	TR6-SM-9335-27665	L. Stoneberger	1,522.00
133140	3/29/16	TR6-SM-9601-23732	S. Gonsowski	1,302.00
133141	3/29/16	TR6-SM-9667-11	M. Pedro	1,006.00
133142	3/29/16	TR6-SM-9841-8	R. Nieto	1,768.00
133143	3/29/16	TR6-SWD-7141-18561	G. Peterson	1,284.00
133144	3/29/16	TR6-SWD-7837-18412	D. Heide	3,160.00
133145	3/29/16	TR5W-SOCO-4149	K. Adams	2,384.00
133146	3/29/16	TR5W-SOCO-4165	J. Armstrong	866.00

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133147	3/29/16	TR5W-SOCO-4591	R. Piwonka	860.00
133148	3/29/16	TR5W-SOCO-4865	L. Linamen	1,478.00
133149	3/29/16	TR5W-SOCO-5640	J. Moses	2,792.00
133150	3/29/16	TR6-SOCO-10509-32502	J. Brennock	6,000.00
133151	3/29/16	TR6-SOCO-6071-0	Lantern Bay Villas Association (Dana Point)	25,000.00
133152	3/29/16	TR6-SOCO-7784-26759	G. McGowan	550.00
133153	3/29/16	TR6-SOCO-9343-24351	Dana Point Seaview HOA (San Clemente)	3,638.00
133154	3/29/16	TR6-TC-7539-21596	S. McIntyre	3,200.00
133155	3/29/16	TR5W-YLWD-4081	J. Sun	3,528.00
133156	3/29/16	TR5W-YLWD-4121	V. Diaz	6,000.00
133157	3/29/16	TR5W-YLWD-4588	W. Freeman	2,138.00
133158	3/29/16	TR5W-YLWD-4699	M. Wong	15,990.00
133159	3/29/16	TR5W-YLWD-5011	J. Chen	17,968.00
133160	3/29/16	TR5W-YLWD-5639	B. Wilson	1,694.00
133161	3/29/16	TR5W-YLWD-5646	D. Holland	2,294.00
133162	3/29/16	TR5W-YLWD-5899	V. Tivenan	1,502.00
133163	3/29/16	TR5W-YLWD-6015	A. Weissman	880.00
133164	3/29/16	TR6-YLWD-10398-17091	T. Anderson	618.00
133165	3/29/16	TR6-YLWD-6513-17862	W. Hauptmeier	2,008.00
133166	3/29/16	TR6-YLWD-7154-4171	L. Bruno	2,376.00
133167	3/29/16	TR6-YLWD-7239-5615	P. Vitt	1,418.00
133168	3/29/16	TR6-YLWD-7470-4453	A. D'Amico	1,340.00
133169	3/29/16	TR6-YLWD-7696-4481	R. Haines	6,000.00
133170	3/29/16	TR6-YLWD-7902-4125	R. Mora	1,212.00
133171	3/29/16	TR6-YLWD-8000-2120	G. Godel	3,950.00
133172	3/29/16	TR6-YLWD-8621-24550	A. or D. Tipping	1,664.00
133173	3/29/16	TR6-YLWD-8928-6161	J. Lemond	1,048.00
133174	3/29/16	TR6-YLWD-9468-17432	E. Padget	594.00
133175	3/29/16	TR6-YLWD-9611-1013	J. Li	1,792.00
133176	3/29/16	TR6-YLWD-9646-20485	G. Shah	2,822.00
133177	3/29/16	TR6-YLWD-9690-24180	S. Martin	2,056.00
133178	3/29/16	TR6-YLWD-9698-5261	M. Blais	6,000.00
133179	3/29/16	TR6-BREA-10114-711	R. Calmelat	2,020.00
133180	3/29/16	TR6-BREA-10358-100	C. or B. Nakagawa	1,620.00
133181	3/29/16	TR6-BREA-7909-308	T. Dinh	6,000.00
133182	3/29/16	TR6-BREA-8492-4442	Brea Olinda Master Community (Irvine)	13,661.00
133183	3/29/16	TR6-BREA-8611-2501	W. Shen	798.00
133184	3/29/16	TR6-BREA-9615-680	J. Ong	1,090.00
133185	3/29/16	TR6-BP-7917-5522	S. Cho	6,000.00
133186	3/29/16	TR6-BP-8644-7920	G. Kaneshiro	2,252.00
133187	3/29/16	TR6-FV-6587-9460	C. Nguyen	3,754.00
133188	3/29/16	TR6-FV-9117-10449	M. Krebs	1,864.00
133189	3/29/16	TR6-GG-7827-5341	L. Sutto	2,216.00
133190	3/29/16	TR6-GG-8471-12261	T. Nguyen	4,206.00
133191	3/29/16	TR6-GG-9159-12342	Garden Grove Unified School District	21,482.05
133192	3/29/16	TR6-GG-9407-13062	H. An	5,154.00
133193	3/29/16	TR6-GG-9551-6781	M. Hender	1,540.00
133194	3/29/16	TR5W-HB-3808	K. French	1,870.00

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133195	3/29/16	TR5W-HB-4915	R. Cade	2,020.00
133196	3/29/16	TR5W-HB-5908	A. Blodgett	1,339.13
133197	3/29/16	TR6-HB-8698-22322	J. Bailey	1,626.00
133198	3/29/16	TR6-HB-8828-17451	J. Bixby	3,298.00
133199	3/29/16	TR6-LH-10365-650	S. Ladd	2,638.00
133200	3/29/16	TR6-NWPT-7341-419	V. Swanson	512.00
133201	3/29/16	TR6-NWPT-8221-908	T. Woods	3,740.00
133202	3/29/16	TR6-NWPT-9487-2018	J. Gula	1,764.00
133203	3/29/16	TR6-NWPT-9499-315	J. or L. Earnest	628.00
133204	3/29/16	TR5W-O-4461	M. Dunlap	1,552.60
133205	3/29/16	TR6-O-10080-210	Los Robles Apartments (Laguna Hills)	1,366.00
133206	3/29/16	TR6-O-10113-250	M. Kilgore	3,430.39
133207	3/29/16	TR6-O-6294-2516	S. Lehman	3,004.00
133208	3/29/16	TR6-O-7658-1719	D. Robinette	2,034.00
133209	3/29/16	TR6-O-7981-205	D. Duelke	822.00
133210	3/29/16	TR6-O-8051-122	Q. Mo	6,000.00
133211	3/29/16	TR6-O-8357-3121	T. Ryan	3,212.00
133212	3/29/16	TR6-O-8557-772	A. Padgett	1,354.00
133213	3/29/16	TR6-O-8767-12622	K. Wong	2,020.00
133214	3/29/16	TR6-O-8889-3096	S. Schwamb	2,654.00
133215	3/29/16	TR6-O-9511-662	J. Cone	6,000.00
133216	3/29/16	TR6-O-9605-907	R. Walker	1,194.00
133217	3/29/16	TR5-SC-112	K. Wade	4,074.00
133218	3/29/16	TR5W-SC-5078	T. Lee-Thorp	3,438.00
133219	3/29/16	TR5W-SC-5284	W. Rhodes	5,324.00
133220	3/29/16	TR5W-SC-5532	L. Mear	6,000.00
133221	3/29/16	TR5W-SC-5784	J. Bickley	3,322.00
133222	3/29/16	TR6-SC-10153-429	A. Feierman	906.00
133223	3/29/16	TR6-SC-6276-2117	F. Squire	738.00
133224	3/29/16	TR6-SC-7563-6509	G. Galindo	832.00
133225	3/29/16	TR6-SC-7864-2109	M. Toumayan	2,169.90
133226	3/29/16	TR6-SC-8082-1200	C. Dollar	6,000.00
133227	3/29/16	TR6-SC-8540-6167	N. Fuhrmann	1,210.00
133228	3/29/16	TR6-SC-9091-911	P. Foscett	1,866.00
133229	3/29/16	TR6-SC-9198-356	L. McCorvey	998.00
133230	3/29/16	TR6-SC-9237-208	D. Lang	1,518.00
133231	3/29/16	TR6-SC-9736-207	K. Trenary	1,542.00
133232	3/29/16	TR5-SJC-067	J. Stegmann	1,024.00
133233	3/29/16	TR5W-SJC-4921	D. Menghini	4,678.00
133234	3/29/16	TR5W-SJC-5922	M. Matthews	2,906.00
133235	3/29/16	TR5W-SJC-6066	Campanilla HOA (Lake Forest)	15,059.00
133236	3/29/16	TR6-SJC-10286-31272	S. Gustafson	1,084.00
133237	3/29/16	TR6-SJC-7993-31291	D. Hatz	1,172.00
133238	3/29/16	TR6-SJC-8069-33742	S. Knight	2,648.00
133239	3/29/16	TR6-SJC-8731-29802	L. Fryling	6,000.00
133240	3/29/16	TR6-SJC-9049-28321	J. Wagniere	816.00
133241	3/29/16	TR6-SJC-9963-25642	M. Forster	6,000.00
133242	3/29/16	TR5-SB-011	E. and B. Hirsch	720.00

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133243	3/29/16	TR6-SB-10541-4797	A. Ryniak	780.00
133244	3/29/16	TR5W-GSWC-5380	C. Mackay	2,192.00
133245	3/29/16	TR5W-IRWD-3221	J. Winneke	320.00
133246	3/29/16	TR5W-IRWD-5894	FTL Michelson LLC (Irvine)	12,087.00
133247	3/29/16	TR6-IRWD-6534-6	R. Ludwig	829.81
133248	3/29/16	TR7-IRWD-11489-28491	M. or M. Hodges	4,054.00
133249	3/29/16	TR7-IRWD-11678-219	R. Warner	1,385.23
133250	3/29/16	TR5-MESA-077	M. Salmassy	8,546.00
133251	3/29/16	TR5W-MESA-3244	D. Vrebalovich	3,238.00
133252	3/29/16	TR5W-MESA-4022	N. Lipanovich	3,816.00
133253	3/29/16	TR5W-MESA-4100	J. Mestas	2,292.00
133254	3/29/16	TR5W-MESA-4367	K. Baniaga	14,974.00
133255	3/29/16	TR5W-MESA-5560	M. DeGree	792.00
133256	3/29/16	TR6-MESA-10293-1613	D. Pisarski	3,212.00
133257	3/29/16	TR6-MESA-7298-3094	L. Standard	5,994.00
133258	3/29/16	TR6-MESA-7301-3098	L. Standard	5,268.00
133259	3/29/16	TR6-MESA-7682-2512	J. Urban	1,554.00
133260	3/29/16	TR6-MESA-8012-2009	R. Johnson	4,476.00
133261	3/29/16	TR6-MESA-8699-1611	P. Emsiek	2,044.00
133262	3/29/16	TR6-MESA-8768-1856	E. Maher	2,264.00
133263	3/29/16	TR5-MNT-253	M. Gharavi	5,815.00
133264	3/29/16	TR5W-MNT-3565	M. Finn	1,155.00
133265	3/29/16	TR5W-MNT-4068	S. Norman	4,776.50
133266	3/29/16	TR5W-MNT-5007	O. Dersom	24,575.50
133267	3/29/16	TR5W-MNT-5096	F. Columbus	7,241.50
133268	3/29/16	TR5W-MNT-5265	X. Dang	5,000.00
133269	3/29/16	TR5W-MNT-5792	R. Turner	11,313.00
133270	3/29/16	TR5W-MNT-5897	R. Abitbol	5,500.00
133271	3/29/16	TR6-MNT-10311-19	S. Eshraghi	2,800.00
133272	3/29/16	TR6-MNT-10349-29326	D. Calderwood	3,690.00
133273	3/29/16	TR6-MNT-10352-23842	J. Draves	1,645.00
133274	3/29/16	TR6-MNT-10557-24971	J. Snyder	2,785.00
133275	3/29/16	TR6-MNT-6295-12	M. McLean	1,419.25
133276	3/29/16	TR6-MNT-6324-28841	C. Knauerhaze	2,750.00
133277	3/29/16	TR6-MNT-6574-26761ADI	R. Reel	1,043.80
133278	3/29/16	TR6-MNT-6818-13	W. White	602.00
133279	3/29/16	TR6-MNT-6832-9	R. Fuentes	2,100.00
133280	3/29/16	TR6-MNT-6939-24942	G. Borlin	2,961.00
133281	3/29/16	TR6-MNT-6953-24412	H. Linnevers	2,030.00
133282	3/29/16	TR6-MNT-8463-25741	W. Strauss	6,880.00
133283	3/29/16	TR6-MNT-8507-27011	B. Finch	10,500.00
133284	3/29/16	TR6-MNT-8599-31132	P. Krause	2,394.50
133285	3/29/16	TR6-MNT-9316-29455	B. Tatomir	2,450.00
133286	3/29/16	TR5W-SM-3913	C. Johnson	874.00
133287	3/29/16	TR5W-SM-4481	R. Bailey	858.00
133288	3/29/16	TR5W-SM-4916	C. Chandler	1,418.00
133289	3/29/16	TR5W-SM-5309	M. George	854.00
133290	3/29/16	TR5W-SM-5476	R. Phillips	2,066.00

Municipal Water District of Orange County
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<i>Check #</i>	<i>Date</i>	<i>Vendor # Invoice/CM #</i>	<i>Name / Description</i>	<i>Net Amount</i>
133291	3/29/16	TR6-SM-10009-15	J. Dahm	862.00
133292	3/29/16	TR6-SM-10192-10	D. Moos	1,566.00
133293	3/29/16	TR6-SM-8070-24426	S. Pearson	944.00
133294	3/29/16	TR6-SM-8135-28822	S. Dunlap	704.00
133295	3/29/16	TR6-SM-8388-28245	S. Leng	2,482.00
133296	3/29/16	TR6-SM-9660-1	M. Davenport	1,404.00
133297	3/29/16	TR6-SM-9750-28401	M. Buelteman	860.00
133298	3/29/16	TR6-SM-9771-24671	CZ Master Association (Rancho Santa Margarita)	3,760.00
133299	3/29/16	TR6-SM-9944-27736	A. Garoyan	1,702.00
133300	3/29/16	TR5-SOCO-108	Dana Vista HOA (Dana Point)	25,000.00
133301	3/29/16	TR5W-SOCO-4724D	A. Lawson	988.00
133302	3/29/16	TR5W-SOCO-4781	S. Haggar	1,156.00
133303	3/29/16	TR5W-SOCO-5130	Y. O'Tousa	3,146.00
133304	3/29/16	TR5W-SOCO-5554	R. Johnson	1,426.00
133305	3/29/16	TR6-SOCO-10444-35001	C. Beifussjohnson	1,320.00
133306	3/29/16	TR6-SOCO-10500-34572	A. Hoch	6,000.00
133307	3/29/16	TR6-SOCO-6404-21	D. Brokaw	1,700.00
133308	3/29/16	TR6-SOCO-8060-26811	C. Smith	1,130.00
133309	3/29/16	TR6-SOCO-8139-33872	M. Chellani	1,386.00
133310	3/29/16	TR6-SOCO-8617-32850	Corniche Master Association (Irvine)	21,099.00
133311	3/29/16	TR6-SOCO-8792-12	J. Davidson	4,206.00
133312	3/29/16	TR5W-YLWD-5775	W. Murray	6,000.00
133313	3/29/16	TR6-YLWD-10369-5286	K. Ambler	1,860.00
133314	3/29/16	TR6-YLWD-10587-21720	D. Midkiff	2,250.00
133315	3/29/16	TR6-YLWD-6373-20960	K. Kaufman	6,000.00
133316	3/29/16	TR6-YLWD-6426-4591	W. Makhoulouf	3,244.00
133317	3/29/16	TR6-YLWD-7911-21830	S. Renzi	2,522.00
133318	3/29/16	TR6-YLWD-9849-19136	G. Marro	6,000.00
133319	3/29/16	TR6-SB-9543-134	Phoenix Property Management (Long Beach)	1,190.00
133320	3/29/16	TR6-MNT-7778-26901	P. Hobiera	5,208.00
133321	3/29/16	TR6-GG-10252-11741	N. Ly	1,626.00
133322	3/29/16	TR6-GG-6312-11761	J. Phan	3,628.00
133323	3/29/16	TR6-NWPT-10183-2845	R. Rubino	666.00
133324	3/29/16	TR6-NWPT-7664-1400	Christ Church by the Sea (Newport Beach)	312.00
133325	3/29/16	TR5W-O-5971	A. Buchanan	4,104.00
133326	3/29/16	TR6-O-10216-358	L. Divito	714.00
133327	3/29/16	TR6-O-8052-660	Irvine Ranch Water District	5,401.00
133328	3/29/16	TR5W-TUST-4728	S. Lewis	2,436.00
133329	3/29/16	TR6-TUST-10357-11872	K. Boyle	2,361.00
133330	3/29/16	TR6-TUST-6559-11771	R. Vedula	9,000.00
133331	3/29/16	TR6-TUST-7952-13022	T. Powell	2,634.00
133332	3/29/16	TR5W-GSWC-5849	J. George	3,172.00
133333	3/29/16	TR6-GSWC-10169-315	R. Castaneda	2,610.00
133334	3/29/16	TR6-GSWC-7681-532	B. Kelly	2,926.00
133335	3/29/16	TR6-GSWC-8233-3321	J. Remnet	2,404.00
133336	3/29/16	TR6-GSWC-8935-3251	S. Pavri	2,900.00
133337	3/29/16	TR6-LB-7676-2060	M. Jacobs	1,590.00
133338	3/29/16	TR5W-MESA-4041	H. Hudson	6,000.00

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Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
133339	3/29/16	TR5-MNT-267	Carden Academy (Mission Viejo)	4,000.00
133340	3/29/16	TR5W-MNT-1922	City of Laguna Hills	284,250.00
133341	3/29/16	TR5W-MNT-4166	F. Saidian	3,395.00
133342	3/29/16	TR5W-MNT-4657	Barcelona LLC (Aliso Viejo)	62,500.00
133343	3/29/16	TR5W-MNT-4668	St. Moritz (Aliso Viejo)	23,380.00
133344	3/29/16	TR5W-MNT-5513	S. Movassaghi	4,790.00
133345	3/29/16	TR5W-MNT-5583	J. Robison	5,429.00
133346	3/29/16	TR6-MNT-6222-24001	E. Maurer	1,896.58
133347	3/29/16	TR6-MNT-6839-3	J. Moreno	1,510.00
133348	3/29/16	TR6-MNT-7387-28412	L. Schmick	3,930.50
133349	3/29/16	TR6-MNT-7511-26325	M. Schroeder	5,315.00
133350	3/29/16	TR6-MNT-7684-24621	R. Berk	9,323.00
133351	3/29/16	TR6-MNT-7872-25606	J. Jimenez	6,121.50
133352	3/29/16	TR6-MNT-8197-1	C. Gonzalez	1,434.00
133353	3/29/16	TR6-MNT-8412-25	H. Aynechi	2,653.00
133354	3/29/16	TR6-MNT-9415-20	J. Selin	667.00
133355	3/29/16	TR6-MNT-9497-31	K. Tahilramani	11,467.50
133356	3/29/16	TR6-MNT-9955-24	A. Cassuto	1,475.00
133357	3/29/16	TR7-MNT-11032-23972	M. Naji	3,388.00
133358	3/29/16	TR7-MNT-11135-24242	D. Traino	2,261.00
133359	3/29/16	TR7-MNT-11258-10	C. Hoffman	3,150.00
133360	3/29/16	TR7-MNT-11575-24612	H. Maleksalhi	3,260.00
133361	3/29/16	TR7-MNT-11805-34	M. Graham	3,045.00
133362	3/29/16	TR5W-SM-4359	A. Denn	1,258.02
133363	3/29/16	TR5W-SM-4499	D. Baker	5,508.00
133364	3/29/16	TR6-SOCO-6834-26511	N. Rohr	1,000.00
133365	3/29/16	TR6-SOCO-7271-34131	G. Person	594.00
133366	3/29/16	TR6-YLWD-7616-5590	M. Reger	2,630.00
133367	3/29/16	TR6-BREA-7526-1100	G. Seals	6,000.00
133368	3/29/16	TR6-BREA-8099-1202	G. Parry	3,508.00
133369	3/29/16	TR6-BREA-8854-333	C. Joo	2,422.00
133370	3/29/16	TR6-BREA-9791-1071	C. Bell	4,580.00
133371	3/29/16	TR6-BP-10431-110	C. Barnes	1,092.00
133372	3/29/16	TR6-BP-8510-6659	R. Mote	3,090.00
133373	3/29/16	TR6-BP-8900-8081	A. Cabrera	1,760.00
133374	3/29/16	TR5W-FV-4046	C. Weber	780.00
133375	3/29/16	TR6-FV-9076-11863	B. Nguyen	1,140.00
133376	3/29/16	TR5W-GG-5488	J. Rogers	2,894.00
133377	3/29/16	TR5W-GG-5632	B. Wissinger	2,884.00
133378	3/29/16	TR6-GG-6185-6132	T. Rosene	876.00
133379	3/29/16	TR6-GG-7587-8182	D. Tran	2,200.00
133380	3/29/16	TR6-GG-9005-12572	P. Bao	2,916.00
133381	3/29/16	TR5-HB-122	E. Glickman	964.00
133382	3/29/16	TR5W-HB-4030	B. McMillin	2,836.00
133383	3/29/16	TR5W-HB-4545	S. Kelley	2,800.00
133384	3/29/16	TR5W-HB-4663	S. Beko	1,180.00
133385	3/29/16	TR5W-HB-4788	T. Lindsey	856.00
133386	3/29/16	TR5W-HB-5292	A. Holmes	2,834.00

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Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
133387	3/29/16	TR5W-HB-5534	M. Esparza	5,140.00
133388	3/29/16	TR5W-HB-5654	J. Mollica	914.00
133389	3/29/16	TR5W-HB-5748	D. Cook	4,972.00
133390	3/29/16	TR5W-HB-5947	J. Harris	692.00
133391	3/29/16	TR6-HB-10041-1928	M. Wirtz	1,328.00
133392	3/29/16	TR6-HB-10063-8812	D. Smith	2,964.00
133393	3/29/16	TR6-HB-10320-20051	D. Fitzgerald	4,296.00
133394	3/29/16	TR6-HB-10400-5101	W. Mitchell	3,634.00
133395	3/29/16	TR6-HB-10536-526	D. McClintock	514.00
133396	3/29/16	TR6-HB-6098-612	T. Corzine	664.00
133397	3/29/16	TR6-HB-6377-16101	M. Rodig	1,400.00
133398	3/29/16	TR6-HB-6447-8662	D. McMillan	560.00
133399	3/29/16	TR6-HB-6677-7298	A. Mazan	3,582.00
133400	3/29/16	TR6-HB-6842-8391	L. Pearson	1,644.00
133401	3/29/16	TR6-HB-7080-7681	C. Early	988.00
133402	3/29/16	TR6-HB-7639-10092	D. Derieg	1,692.00
133403	3/29/16	TR6-HB-8147-16342	D. Gooch	1,108.00
133404	3/29/16	TR6-HB-8256-19310	Seacliff on the Greens Community Assoc. (Westminster)	25,000.00
133405	3/29/16	TR6-HB-8333-3799	A. Farahani	3,076.00
133406	3/29/16	TR6-HB-8936-832	T. Dickson	3,072.00
133407	3/29/16	TR6-HB-9115-20291	A. Patel	4,132.00
133408	3/29/16	TR6-HB-9953-9541	K. Pommerenk	760.00
133409	3/29/16	TR6-LH-10544-1001	A. Alvarez	6,000.00
133410	3/29/16	TR6-LH-7220-711	T. Encino	578.65
133411	3/29/16	TR5W-LP-5460	E. Bean	880.00
133412	3/29/16	TR5W-LP-5978	W. Nosome	750.00
133413	3/29/16	TR5W-NWPT-5119	N. Amaral	1,162.00
133414	3/29/16	TR5W-NWPT-5591	J. Samson	1,408.00
133415	3/29/16	TR6-NWPT-10435-3223	C. Weber	560.00
133416	3/29/16	TR6-NWPT-6531-901	D. Heinfeld	3,988.00
133417	3/29/16	TR6-NWPT-7422-1706	S. Allison	3,756.00
133418	3/29/16	TR5W-O-4438	K. Takayanagi	764.00
133419	3/29/16	TR5W-O-5240	R. Berg	1,812.00
133420	3/29/16	TR5W-O-5242	R. Berg	1,652.00
133421	3/29/16	TR5W-O-5244	R. Berg	1,812.00
133422	3/29/16	TR5W-O-5246	R. Berg	1,354.00
133423	3/29/16	TR5W-O-5372	J. Huber	592.00
133424	3/29/16	TR5W-O-5405	A. Evans	7,852.00
133425	3/29/16	TR5W-O-5566	R. Candaele	1,362.00
133426	3/29/16	TR5W-O-5834	A. Nguyen	804.00
133427	3/29/16	TR5W-O-6064	M. Peng	578.18
133428	3/29/16	TR6-O-10371-378	G. Phelps	2,270.00
133429	3/29/16	TR6-O-6270-2941	R. Moreno	1,008.00
133430	3/29/16	TR6-O-7251-3018	A. Garcia	4,292.00
133431	3/29/16	TR6-O-7331-6007	R. Odle	2,520.00
133432	3/29/16	TR6-O-7856-6705	B. Sakamoto	2,798.00
133433	3/29/16	TR6-O-8016-526	W. Heide	3,166.00
133434	3/29/16	TR6-O-9512-7845	M. Storti	2,206.00

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133435	3/29/16	TR6-O-9578-615	P. Shepherd	2,806.00
133436	3/29/16	TR6-O-9651-2617	R. Rico	1,248.00
133437	3/29/16	TR6-O-9695-803	M. Moyers	1,326.00
133438	3/29/16	TR6-O-9804-2616	J. Payton	2,148.00
133439	3/29/16	TR6-SJC-7870-25641	C. Muir	2,788.00
133440	3/29/16	TR6-ETWD-10499-24831	C. Jacobs	964.00
133441	3/29/16	TR6-ETWD-8634-25612	J. Everett	1,138.00
133442	3/29/16	TR6-GSWC-8473-2711	W. Jones	3,926.00
133443	3/29/16	TR6-GSWC-9127-4163	J. Celada	2,118.00
133444	3/29/16	TR5W-MNT-3776	T. Boyd	7,500.50
133445	3/29/16	TR5W-MNT-4559	K. Huynh	2,100.00
133446	3/29/16	TR5W-MNT-5886	S. Gallina	5,806.50
133447	3/29/16	TR6-MNT-6076-7	R. Armienti	2,295.00
133448	3/29/16	TR6-MNT-6859-22252	J. Ludwig	4,160.00
133449	3/29/16	TR6-MNT-8171-28701	T. Gaita	6,320.00
133450	3/29/16	TR7-MNT-11732-28131	J. Wilson	2,915.50
133451	3/29/16	TR7-MNT-11776-18	F. Pike	760.00
133452	3/29/16	TR6-SM-6657-8	R. Gatfield	2,600.00
133453	3/29/16	TR6-SM-7567-26206	P. Petrone	952.00
133454	3/29/16	TR6-SM-8635-59	J. Briones	648.00
133455	3/29/16	TR6-SM-8662-7	M. Weiss	1,200.00
133456	3/29/16	TR6-SM-9265-65	R. Taylor	1,672.00
133457	3/29/16	TR5-SOCO-111	T. Daverso	2,614.00
133458	3/29/16	TR6-SOCO-6726-24961	P. Edgerton	1,220.00
133459	3/29/16	TR6-TC-10355-21221	C. Soulliere	860.00
133460	3/29/16	TR6-YLWD-7101-16952	S. O'Neill	3,250.00
133461	3/29/16	TR6-HB-9904-901	J. Riley	3,684.00
133462	3/29/16	TR6-HB-6588-8171	C. Hu	3,872.00
133463	3/29/16	TR6-HB-9872-20312	M. Wahrenbrock	1,080.00
			***Total ***	1,633,408.72
WIRE-160330	3/30/16	METWAT 8596	Metropolitan Water District January 2016 Water deliveries	5,599,115.38
			***Total ***	5,599,115.38
133465	3/31/16	ATTEOC 4492-MAR16 8200-MAR16 0532-MAR16	AT&T March 2016 WEROC S. EOC telephone expense March 2016 WEROC N. EOC telephone expense March 2016 WEROC N. EOC dedicated phone line	245.04 179.97 64.48
			***Total ***	489.49
133466	3/31/16	CATALI 0012528	Catalina Island Conservancy March 2016 WEROC radio repeater site lease	1,636.47
			***Total ***	1,636.47

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ACH001919	3/31/16	HUBBAR	Kelly Hubbard	
		022916	February 2016 Business expense	131.47
			***Total ***	131.47
ACH001925	3/31/16	SANTAM	Santa Margarita Water District	
		JAN2016	January 2016 SCP Operation surcharge	9,493.70
			***Total ***	9,493.70
Total Other Funds Disbursements				<u>9,634,551.74</u>
Total Disbursements				<u><u>9,648,896.96</u></u>

Robert J. Hunter, General Manager

Hilary Chumpitazi, Treasurer

Cal Card Statement Detail
Statement Date: February 22, 2016
Payment Date: March 31, 2016

Date	Description	Amount
<u>K. Seckel Card</u>		
01/21/16	2/8/16 - 2/7/17 Annual maintenance & support for Sage software	\$ 520.14
01/22/16	Legislative activities in Sacramento, CA from Jan. 21-22, 2016 - Accommodations for H. Baez	344.45
01/22/16	1 Capitol directory	20.23
01/25/16	South Orange County Economic Report in Mission Viejo on Feb. 5, 2016 - Registration for H. Baez	35.00
01/26/16	UPS delivery charges for Board & Committee packets on 12/8/15 & 1/15/16	58.66
01/26/16	Computer supplies	6.14
01/26/16	Microphone for Canon camera	35.98
01/26/16	California Urban Water Conservation Council committee meeting in Sacramento, CA on Feb. 3, 2016 - Airfare for J. Berg	411.96
01/27/16	Lunch for Orange County MET Managers' meeting	235.50
01/29/16	5 Toner cartridges	232.74
01/29/16	Legislative activities in Sacramento, CA from Mar. 8-9, 2016 - Accommodations for Director Barbre	195.03 ¹
01/30/16	FedEx delivery charges for Board & Committee packets on 1/27/16	33.65
01/31/16	1/13/16-1/21/16 Facebook advertising	20.22
02/01/16	2/21/16 Accommodations for MET Inspection trip guest J. Roxburgh	173.01
02/01/16	2/18/16-2/22/16 Airfare for MET Inspection trip guest J. Roxburgh	857.20
02/02/16	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 10-12, 2016 - Accommodations for Director Tamaribuchi	527.14
02/02/16	FedEx delivery charges for Board & Committee packets on 1/29/16	33.65
02/02/16	UPS delivery charges for Board & Committee packets on 1/27/16	29.67
02/02/16	ACWA DC2016 conference in Washington, DC from Feb 23-25, 2016 - Airfare for H. Baez	719.35
02/02/16	Legislative activities in Sacramento, CA on Feb. 26, 2016 - Airfare for H. Baez	233.98
02/03/16	All-Hazards Incident training in San Diego, CA from 2/2/16-2/3/16 - Accommodations for L. Loewen	140.63
02/03/16	All-Hazards Incident training in San Diego, CA from 2/2/16-2/3/16 - Accommodations for B. Roberto	140.63
02/04/16	Flowers for staff member	62.62
02/05/16	Legislative activities in Washington, DC from Mar. 16-18, 2016 - Airfare change for Director Barbre	142.01
02/06/16	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 10-12, 2016 - Accommodations deposit for Director Thomas refunded	(174.00)
02/08/16	California Secretary of State - Statement of Information filing fee	20.00
02/09/16	UPS delivery charges for Board & Committee packets on 1/29/16 & J. Barker 1/28/16	102.69
02/11/16	Three year encryption certificate for MWDOC's Virtual Private Network	167.97

Cal Card Statement Detail
Statement Date: February 22, 2016
Payment Date: March 31, 2016

Date	Description	Amount
02/12/16	Office supplies from Costco	326.98
02/16/16	UPS delivery charges for Board & Committee packets on 2/5/16	56.02
02/17/16	Association of Metropolitan Water Agencies conference in Washington, DC from Mar. 20-23, 2016 - Registration for R. Hunter	795.00
02/18/16	ACWA DC2016 conference in Washington, DC from Feb 23-25, 2016 - Airfare for R. Hunter	763.20
Total		\$ 7,267.45

1 Hotel reservation canceled - refund received on 3/8/16

R. Hunter Card

1/22/16-2/22/16	Meals for R. Hunter's meetings on various dates	\$ 334.25
01/25/16	Get well flowers for staff member	88.56
02/01/16	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 10-12, 2016 - Registration for Director Tamaribuchi	475.00
02/18/16	Toll Roads fee for meeting with South County agencies - H. De La Torre	7.48
Total		\$ 905.29

Municipal Water District of Orange County
GM Approved Disbursement Report ⁽¹⁾
For the month of March 2016

<i>Check #</i>	<i>Date</i>	<i>Vendor # Invoice/CM #</i>	<i>Name / Description</i>	<i>Net Amount</i>
Core Disbursements:				
132700	3/2/16	WESTIN 500-35KWY1	The Westin South Coast Plaza Deposit for 5/20/16 OC Water Summit food and hotel facilities ***Total ***	8,000.00 8,000.00
133088	3/25/16	MAYDWE 2466	Maydwell Mascots Inc. Deposit for Ricki Raindrop mascot costume ***Total ***	2,350.00 2,350.00
ACH001926	3/31/16	WATERS 985	Water Systems Optimization, Inc. 1/20/16-2/22/16 Technical services for Water Loss Control program ***Total ***	729.25 729.25
Total Core Disbursements				<u>11,079.25</u>
Choice Disbursements:				
132922	3/16/16	DELUXE 2036047056	Deluxe for Business 3,000 Envelopes for Turf Removal program 1099 forms ***Total ***	356.37 356.37
Total Choice Disbursements				<u>356.37</u>
Other Funds Disbursements:				
Total Other Funds Disbursements				<u>0.00</u>
Total Disbursements				<u><u>11,435.62</u></u>


 Robert J. Hunter, General Manager


 Hilary Chumpitazi, Treasurer

(1) For disbursements that did not make the cut-off of previous month's Disbursement Approval report.
 Disbursements are approved by GM for payment and need A & F Committee ratification.



Municipal Water District of Orange County Consolidated Summary of Cash and Investment

February 29, 2016

Street Address:18700 Ward Street
Fountain Valley, California 92708**Mailing Address:**P.O. Box 20895
Fountain Valley, CA 92728-0895

(714) 963-3058

Fax: (714) 964-9389

www.mwdoc.comWayne S. Osborne
PresidentBrett R. Barbre
Vice PresidentLarry D. Dick
DirectorJoan C. Finnegan
DirectorSusan Hinman
DirectorSat Tamaribuchi
DirectorJeffery M. Thomas
DirectorRobert J. Hunter
General Manager**MEMBER AGENCIES**

City of Brea
City of Buena Park
East Orange County Water District
El Toro Water District
Emerald Bay Service District
City of Fountain Valley
City of Garden Grove
Golden State Water Co.
City of Huntington Beach
Irvine Ranch Water District
Laguna Beach County Water District
City of La Habra
City of La Palma
Mesa Water District
Moulton Niguel Water District
City of Newport Beach
City of Orange
Orange County Water District
City of San Clemente
City of San Juan Capistrano
Santa Margarita Water District
City of Seal Beach
Serrano Water District
South Coast Water District
Trabuco Canyon Water District
City of Tustin
City of Westminster
Yorba Linda Water District

District investments and cash balances are held in various funds designated for certain purposes as follows:

Fund	Book Value	% of Portfolio
Designated Reserves		
General Operations	\$2,494,603	29.78%
Grant & Project Cash Flow	1,480,000	17.67%
Election Expense	215,463	2.57%
Building Repair	500,407	5.97%
Total Designated Reserves	4,690,473	55.99%
General Fund	5,644,385	67.39%
Water Fund	2,861,723	34.17%
Conservation Fund	(5,175,474)	(61.79%)
Desalination Feasibility Study Fund	222,385	2.66%
WEROC Fund	124,250	1.48%
Trustee Activities	8,631	0.10%
Total	\$8,376,373	100.00%

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	0.96%	\$80,529	\$80,529
Short-term investment			
• LAIF	1.88%	\$157,381	\$157,381
• OCIP	60.11%	5,035,079	5,035,079
Long-term investment			
• Misc. Securities	8.99%	753,384	750,343
• Certificates of Deposit	28.06%	2,350,000	2,366,881
Total	100.00%	\$8,376,373	\$8,390,213

The average number of days to maturity/call as of February 29, 2016 equaled 383 and the average yield to maturity is 1.084%. During the month, the District's average daily balance was \$14,812,395.42. Funds were invested in Federal Agency Issues, Certificates of Deposit, Negotiable CD's, Miscellaneous Securities, the Local Agency Investment Funds (LAIF) and the Orange County Investment Pool (OCIP) during the month of February 2016.

The \$13,840 difference between the book value and the market value on February 29, 2016 represents the exchange difference if all investments had been liquidated on that date. Since it is the District's practice to "buy and hold" investments until maturity, the market values are a point of reference, not an indication of actual loss or gain. There are no current plans or cash flow requirements identified in the near future that would require the sale of these securities prior to maturity.

Robert J. Hunter
General ManagerHilary Chumpitazi
Treasurer

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY



Portfolio Management - Portfolio Summary February 29, 2016

2/29/2016	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Certificates of Deposit - Bank	2,350,000.00	2,366,881.00	2,350,000.00	28.34	866	1.697
Local Agency Investment Funds	157,381.35	157,381.35	157,381.35	1.90	1	0.467
Miscellaneous Securities - Coupon	750,000.00	750,342.50	753,383.61	9.04	1510	2.238
Orange County Investment Pool	5,035,079.17	5,035,079.17	5,035,079.17	60.72	1	0.645
Total Investments	8,292,460.52	8,309,684.02	8,295,844.13	100.00%	383	1.084

Cash						
Passbook Checking	80,528.66	80,528.66	80,528.66		1	0.00
Total Cash and Investments	8,372,989.18	8,390,212.68	8,376,372.79		383	1.084

Total Earnings	Month Ending February	Fiscal Year to Date
Current Year	11,933.01	83,821.57
Average Daily Balance	14,812,395.42	
Effective Rate of Return	1.084%	

We certify that this report reflects the cash and investments of the Municipal Water District of Orange County and is in conformity with the Government Code requirements and the District Investment Policy and Guidelines in effect at the time of investment. The Investment Program herein shown provides sufficient cash flow liquidity to meet the next six month's estimated expenditure. The source for the market values are from Union Bank.

Robert J. Hunter

Robert J. Hunter, General Manager

Date

7/6/16

Hilary Chumipitazi

Hilary Chumipitazi, Treasurer

Date

4/6/2016

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Portfolio Management
Long-Term Portfolio Details - Investments
February 29, 2016

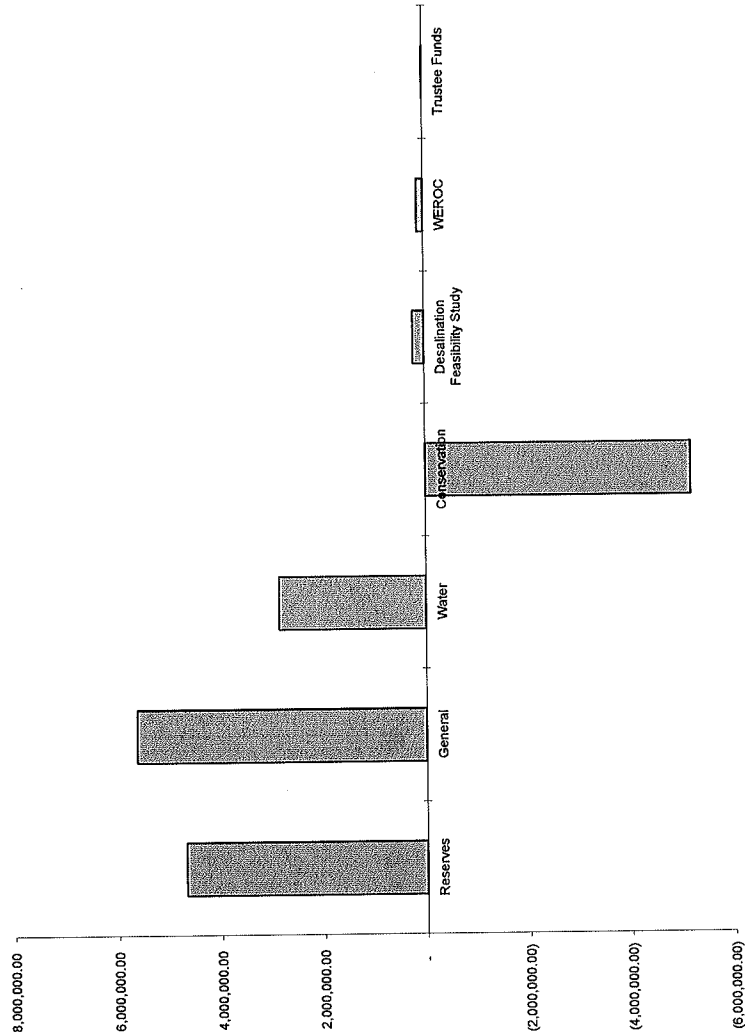
Issuer	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Certificate of Deposit - Bank									
Ally Bank	02006LFV0	7/23/2014	250,000.00	250,380.00	250,000.00	1.150	1.150	511	7/24/2017
American Express Bank	02587CEA4	7/29/2015	250,000.00	251,292.50	250,000.00	1.450	1.450	700	1/29/2018
Barclays Bank	06740KJP3	9/24/2015	250,000.00	253,105.00	250,000.00	1.900	1.900	1302	9/23/2019
Capital One Bank	140420TY6	8/5/2015	250,000.00	251,542.50	250,000.00	1.700	1.700	889	8/6/2018
Capital One Natl Assn	14042E6C9	9/2/2015	250,000.00	253,630.00	250,000.00	1.950	1.950	1282	9/3/2019
Discover Bank	2546712Y5	7/23/2014	250,000.00	251,412.50	250,000.00	1.600	1.600	875	7/23/2018
GE Capital Bank	36163FJC8	7/25/2014	250,000.00	250,375.00	250,000.00	1.200	1.200	512	7/25/2017
Goldman Sachs Bank	38143A4T9	1/23/2013	100,000.00	100,251.00	100,000.00	1.050	1.050	329	1/23/2017
HSBC Bank USA NA	40434AK65	1/21/2016	250,000.00	251,357.50	250,000.00	1.550	2.534	692	1/21/2021
Synchrony Bank	87164XBY1	7/25/2014	250,000.00	253,535.00	250,000.00	2.050	2.050	1247	7/30/2019
Sub Total			2,350,000.00	2,366,881.00	2,350,000.00	1.593	1.697	866	
Miscellaneous Securities - Coupon									
JPMorgan Chase	46625HKA7	11/2/2015	500,000.00	498,520.00	501,813.45	2.250	2.152	1393	1/23/2020
Wells Fargo	94974BGR5	1/13/2016	250,000.00	251,822.50	251,570.16	2.550	2.409	1743	12/7/2020
Sub Total			750,000.00	750,342.50	753,383.61	2.350	2.238	1510	
Total Investments			3,100,000.00	3,117,223.50	3,103,383.61	1.776	1.828	1022	
Total Earnings									
Current Year			6,108.68		40,310.14				

February 29, 2016

Investments	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Local Agency Investment Funds									
LAIF LGIP	LAIF	6/30/2010	157,381.35	157,381.35	157,381.35	0.467	0.467	1	N/A
Sub Total			157,381.35	157,381.35	157,381.35	0.467	0.467	1	
Orange County Investment Pool									
County of Orange LGIP	OCIP	6/29/2005	5,035,079.17	5,035,079.17	5,035,079.17	0.645	0.645	1	N/A
Sub Total			5,035,079.17	5,035,079.17	5,035,079.17	0.645	0.645	1	
Total Investments									
			5,192,460.52	5,192,460.52	5,192,460.52	0.640	0.640		
Passbook Checking									
Bank of America Cash	CASH0547	7/1/2011	80,028.66	80,028.66	80,028.66	0.000	0.000	1	N/A
Petty Cash Cash	CASH	7/1/2011	500.00	500.00	500.00	0.000	0.000	1	N/A
Total Cash			80,528.66	80,528.66	80,528.66	0.000	0.000	1	
Total Cash and Investments									
			5,272,989.18	5,272,989.18	5,272,989.18	0.640	0.640	1	
Total Earnings									
Current Year		Month Ending February	5,824.33	Fiscal Year To Date	43,511.43				

**Municipal Water District of Orange County
Cash and Investments at February 29, 2016**

ALLOCATION	AMOUNT	%	
MWDOC			
Designated Reserves			
General	\$ 2,494,603	29.78%	
Grant & Project Cash Flow	1,480,000	17.67%	
Election Expense	215,463	2.57%	
Building Repair	500,407	5.97%	
Total Designated Reserves	4,690,473	55.99%	
General	5,644,385	67.39%	
Water	2,861,723	34.17%	
Conservation	(5,175,474)	-61.79%	
Desalination Feasibility Study	222,385	2.66%	
WERO	124,250	1.48%	
TOTAL MWDOC	\$ 8,367,742	99.90%	
TRUSTEE ACTIVITIES			
AMP Sales Admin	\$ 8,631	0.10%	
TOTAL TRUSTEE ACTIVITIES	\$ 8,631	0.10%	
TOTAL CASH & INVESTMENTS	\$ 8,376,373	100.00%	



**Municipal Water Dist of Orange County
PARS OPEB Trust Program****Monthly Account Report for the Period
2/01/2016 to 2/29/2016**

Rob Hunter
General Manager
Municipal Water Dist of Orange County
18700 Ward Street
Fountain Valley, CA 92708

Account Summary

Source	Beginning Balance as of 2/01/2016	Contributions	Earnings	Expenses*	Distributions	Transfers	Ending Balance as of 2/29/2016
Contributions	\$1,219,102.68	\$0.00	(\$7,418.01)	\$875.27	\$0.00	\$0.00	\$1,210,809.40
Totals	\$1,219,102.68	\$0.00	(\$7,418.01)	\$875.27	\$0.00	\$0.00	\$1,210,809.40

Investment Selection

Moderate HighMark PLUS

Investment Objective

The dual goals of the Moderate Strategy are growth of principal and income. It is expected that dividend and interest income will comprise a significant portion of total return, although growth through capital appreciation is equally important. The portfolio will be allocated between equity and fixed income investments.

Investment Return

Annualized Return						Plan's Inception Date
1-Month	3-Month	1-Year	3-Years	5-Years	10-Years	
-0.61%	-5.12%	-5.89%	3.74%	-	-	10/26/2011

Information as provided by US Bank, Trustee for PARS; Not FDIC Insured; No Bank Guarantee; May Lose Value

Past performance does not guarantee future results. Performance returns may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change.

Investment Return: Annualized rate of return is the return on an investment over a period other than one year multiplied or divided to give a comparable one-year return.

*Expenses are inclusive of Trust Administration, Trustee and Investment Management fees

**Municipal Water District of Orange County
WATER USE EFFICIENCY PROJECTS
Cash Flow as of 03/31/16**

	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016	Jun 2016	TOTALS
Cash - Beginning Balance	\$ (4,363,336.14)	\$ (4,150,715.21)	\$ (866,085.23)	\$ (2,898,017.49)	\$ (3,394,231.09)	\$ (3,796,564.33)	\$ (4,010,296.92)	\$ (3,901,536.01)	\$ (5,175,474.30)	\$ (6,402,284.18)	\$ (6,402,284.18)	\$ (6,402,284.18)	
REVENUES:													
BUREC													\$ 563,420.13
City of Brea	6,999.33	1,934.35	389.42	247.74	496,524.08	15,352.67	51,543.38	1,120.00	204.87				12,249.59
City of Buena Park	1,212.97	1,886.23	846.00	2,716.00	1,105.75	248.13	1,200.00	1,552.00	716.37				13,345.67
City of Fountain Valley	150.00	150.00			2,271.97	636.13	1,508.00		75.00				450.00
City of Fullerton	225.00	225.00			150.00	70.92	75.00						588.67
City of Garden Grove	1,995.00	1,650.00	2,914.00	4,224.00	2,770.81	3,431.78	2,794.20	315.00					20,994.79
City of Huntington Beach	325.66	294.00	211.54			234.98							1,066.18
City of La Habra	1,050.00	599.53	2,451.89	582.00	1,067.00	735.00	194.00	754.00	588.25				8,001.67
City of San Clemente	4,925.18	9,588.07	9,588.07	5,141.99	3,911.00	2,499.51	4,353.25	6,979.02	1,487.05				39,885.07
City of San Juan Capistrano	3,344.86	2,142.95		11,481.16	2,063.23	1,680.00	1,978.22	3,408.69	658.90				26,758.01
City of Santa Ana		75.00	150.00			75.00			466.99				766.99
City of Tustin		246.86		300.00					11,747.00				25,184.53
City of Newport Beach		840.00	3,264.97	4,096.04				1,703.38	3,694.61				20,959.59
City of Orange	4,297.93		14,879.13	5,622.50	6,713.19	3,417.89	4,721.79	5,029.60	1,988.24				46,670.27
City of Westminster		75.00					75.00		75.00				225.00
County of Orange													-
Department of Water Resources		649,130.64	1,824.70		1,568.28		4,226.25	883.53	63,283.64				720,917.04
East Orange County Water District													-
El Toro Water District	2,633.00	5,676.22	2,016.61	1,328.86	550.00	129.00	275.00	100.00					12,708.69
East Orange County Water District													-
Golden State Water Company	6,555.20	6,985.72	12,246.61	9,373.88	7,563.09	4,890.00	9,821.40	5,668.48	3,137.97				66,242.35
Irvine Ranch Water Company	116,113.61	30,550.23	43,139.41	45,081.83	4,525.99	8,131.72	201,755.82	7,806.55	110,598.29				567,703.45
Laguna Beach County Water District	1,840.00	16,506.86	1,250.00	2,257.00	713.99	210.00	10,556.64	8,883.00	7,718.99				49,945.48
Mesa Water District		75.00	150.00				756.24	75.00					1,056.24
Metropolitan Water District	194,847.61	4,001,136.01	434,324.75	1,369,139.07	1,308,972.63	936,576.61	1,897,669.39	1,235,308.13	1,124,675.57				12,503,349.77
Moulton Niguel Water District	358,285.60	244,320.71	3,654.58	152,561.75	122,311.65	246,642.32	271,346.48	142,248.71	325,643.86				1,867,015.66
MWD/OC													-
Santa Margarita Water District		1,035.00	458.43	1,482.03	525.00	2,955.00	4,271.43	4,293.55	4,911.60				19,932.04
Serrano Water District		75.00		75.00			19.96	150.00	10.94				330.90
South Coast Water District				225.00			150.00						375.00
Trabuco Canyon Water District	800.00	1,072.37	300.00	1,175.00	406.25	1,431.73	825.00	591.00	1,068.00				7,689.35
Yorba Linda Water District	80.66		517.75	437.46		856.39	1,066.93	300.00	150.00				3,409.19
Miscellaneous Revenues													-
Miscellaneous							2,054.75		4,576.00				6,630.75
Interest Revenue													-
Total Revenues	704,980.95	4,966,639.34	535,344.32	1,617,984.85	1,963,781.66	1,226,467.10	2,493,377.87	1,428,603.84	1,667,772.14	-	-	-	\$ 16,604,952.07
EXPENDITURES:													
Aquaticent	1,500.00	1,500.00	1,500.00	1,800.00	1,800.00	1,800.00		1,800.00	3,600.00				\$ 15,900.00
Autumn Print Group				207.36									207.36
Awards & Trophies					28.74								28.74
Conservation Consulting, LLC	7,645.50	7,899.75	7,452.00	7,508.25	7,501.50	7,173.00	6,620.00						51,800.00
City of Newport Beach													-
El Toro WID	28,501.27		2,160.00					62,993.38					91,494.65
Enterprise Information Systems													2,160.00
Eco Landscape													31,981.80
Golden State Water Company	31,300.00				11,141.80	7,827.50	13,012.50						31,300.00
Hotel Program						11,539.17							11,539.17
Industrial Program													150,160.05
Irvine Ranch Water District													-
Karen's Detail Custom Frames			48.60										48.60
Laguna Beach CWD	26,036.00							4,500.00					30,536.00
Metropolitan Water District													-
MESA													-
Mission RCD	30,478.31	32,650.22	47,850.46	41,311.01	37,048.67	28,966.82	30,035.04		20,078.56				304,436.95
Public Spaces program			251,845.00	55,939.00	168,780.00				169,108.00				645,652.00
Lori Palenquist									173.43				173.43
Santa Margarita Water District	10,813.50												10,813.50
South Coast Water District	90,048.00												90,048.00
Spray to Drip program	1,557.61		27,888.12	15,622.66	5,552.86	12,246.77	10,348.30	47,354.68	1,309.14				121,680.14
Survey Gzmo				675.00									675.00
Turf Removal	253,213.58	1,639,959.39	2,212,359.63	1,988,139.02	1,984,121.28	1,363,595.39	2,318,379.63	2,555,229.11	2,700,312.89				17,015,309.92
US Bank								87.16					87.16
URS													-
Waterwise Consulting													-
Miscellaneous Expenses													-
Interest Expense	3,817.57			2,986.15			4,709.96						11,523.68
Salary & Benefit	4,448.68		16,372.77				2,579.75	542.76					23,943.96
Total Expenditures	\$ (4,150,715.21)	\$ (866,085.23)	\$ (2,898,017.49)	\$ (3,394,231.09)	\$ (3,796,564.33)	\$ (4,010,296.92)	\$ (3,901,536.01)	\$ (5,175,474.30)	\$ (6,402,284.18)	\$ (6,402,284.18)	\$ (6,402,284.18)	\$ (6,402,284.18)	\$ 18,640,900.11
Cash - Ending Balance													

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
COMBINED FINANCIAL STATEMENTS
AND
BUDGET COMPARATIVE
JULY 1, 2015 THRU FEBRUARY 29, 2016

**Municipal Water District of Orange County
Combined Balance Sheet
As of February 29, 2016**

<u>ASSETS</u>	Amount
Cash in Bank	80,528.66
Investments	8,295,844.13
Accounts Receivable	18,245,006.90
Accounts Receivable - Other	132,211.27
Accrued Interest Receivable	15,551.16
Prepays/Deposits	510,826.57
Leasehold Improvements	3,026,974.08
Furniture, Fixtures & Equipment	436,910.44
Less: Accum Depreciation	(2,542,644.50)
Net OPEB Asset	92,806.00
	<hr/>
TOTAL ASSETS	\$28,294,014.71
	<hr/>
<u>LIABILITIES AND FUND BALANCES</u>	
Liabilities	
Accounts Payable	11,984,802.76
Accounts Payable - Other	1,440.90
Accrued Salaries and Benefits Payable	353,999.22
OCWD CUP Balance Payable	1,692,520.10
Other Liabilities	1,544,299.40
Unearned Revenue	2,302,261.15
Total Liabilities	<hr/> 17,879,323.53 <hr/>
Fund Balances	
Restricted Fund Balances	
Water Fund - T2C	960,152.10
Total Restricted Fund Balances	<hr/> 960,152.10 <hr/>
Unrestricted Fund Balances	
Designated Reserves	
General Operations	2,587,408.51
Grant & Project Cash Flow	1,480,000.00
Election Expense	215,463.03
Building Repair	500,407.45
Total Designated Reserves	<hr/> 4,783,278.99 <hr/>
GENERAL FUND	1,307,553.79
WEROC	83,059.22
Total Unrestricted Fund Balances	<hr/> 6,173,892.00 <hr/>
Excess Revenue over Expenditures	
Operating Fund	3,848,606.15
Other Funds	(567,959.07)
Total Fund Balance	<hr/> 10,414,691.18 <hr/>
TOTAL LIABILITIES AND FUND BALANCES	\$28,294,014.71
	<hr/>

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
From July 2015 thru February 2016

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
<u>REVENUES</u>						
Retail Connection Charge	<u>0.00</u>	<u>6,686,659.70</u>	<u>6,687,322.00</u>	<u>99.99%</u>	<u>0.00</u>	<u>662.30</u>
Water rate revenues	0.00	6,686,659.70	6,687,322.00	99.99%	0.00	662.30
Interest Revenue	<u>13,974.05</u>	<u>92,685.20</u>	<u>117,675.00</u>	<u>78.76%</u>	<u>0.00</u>	<u>24,989.80</u>
Subtotal	<u>13,974.05</u>	<u>6,779,344.90</u>	<u>6,804,997.00</u>	<u>99.62%</u>	<u>0.00</u>	<u>25,652.10</u>
Choice Programs	0.00	1,340,182.62	1,302,619.00	102.88%	0.00	(37,563.62)
Choice Prior Year Carry Over	0.00	0.00	243,338.00	0.00%	0.00	243,338.00
Miscellaneous Income	9,878.05	146,216.51	3,000.00	4873.88%	0.00	(143,216.51)
School Contracts	5,562.20	50,732.80	70,000.00	72.48%	0.00	19,267.20
Delinquent Payment Penalty	0.00	173.98	0.00	0.00%	0.00	(173.98)
Gain on Sale of Investments	0.00	13.72	0.00	0.00%	0.00	(13.72)
Transfer-Out To Reserve	<u>0.00</u>	<u>0.00</u>	<u>(64,424.00)</u>	<u>0.00%</u>	<u>0.00</u>	<u>(64,424.00)</u>
Subtotal	<u>15,440.25</u>	<u>1,537,319.63</u>	<u>1,554,533.00</u>	<u>98.89%</u>	<u>0.00</u>	<u>17,213.37</u>
TOTAL REVENUES	<u>29,414.30</u>	<u>8,316,664.53</u>	<u>8,359,530.00</u>	<u>99.49%</u>	<u>0.00</u>	<u>42,865.47</u>

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
From July 2015 thru February 2016

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
<u>EXPENSES</u>						
Salaries & Wages	233,178.16	1,946,209.04	3,309,949.00	58.80%	0.00	1,363,739.96
Salaries & Wages - Grant Recovery	(423.13)	(19,041.79)	(23,500.00)	81.03%	0.00	(4,458.21)
Directors' Compensation	16,162.80	123,003.22	220,588.00	55.76%	0.00	97,584.78
MWD Representation	10,505.82	77,696.36	126,050.00	61.64%	0.00	48,353.64
Employee Benefits	67,437.69	536,177.03	863,069.00	62.12%	0.00	326,891.97
OPEB Annual Contribution	0.00	0.00	105,188.00	0.00%	0.00	105,188.00
Employee Benefits - Grant Recovery	(119.63)	(4,902.17)	0.00	0.00%	0.00	4,902.17
Director's Benefits	9,260.11	46,464.10	60,024.00	77.41%	0.00	13,559.90
Health Ins \$'s for Retirees	1,473.08	34,946.57	50,387.00	69.36%	0.00	15,440.43
Training Expense	0.00	1,844.68	18,000.00	10.25%	0.00	16,155.32
Tuition Reimbursement	0.00	0.00	5,000.00	0.00%	0.00	5,000.00
Temporary Help Expense	0.00	1,259.54	0.00	0.00%	0.00	(1,259.54)
Personnel Expenses	337,474.90	2,743,656.58	4,734,755.00	57.95%	0.00	1,991,098.42
Engineering Expense	19,503.25	211,434.48	300,000.00	70.48%	231,593.46	(143,027.94)
Legal Expense	17,539.47	115,323.12	355,000.00	32.49%	256,676.88	(17,000.00)
Audit Expense	0.00	20,600.00	23,000.00	89.57%	0.00	2,400.00
Professional Services	94,618.31	775,085.17	1,541,837.00	50.27%	453,432.50	313,319.33
Professional Fees	131,661.03	1,122,442.77	2,219,837.00	50.56%	941,702.84	155,691.39
Conference-Staff	860.00	9,429.42	19,450.00	48.48%	0.00	10,020.58
Conference-Directors	505.00	6,521.00	9,800.00	66.54%	0.00	3,279.00
Travel & Accom.-Staff	3,295.40	21,084.05	56,510.00	37.31%	0.00	35,425.95
Travel & Accom.-Directors	716.58	10,205.47	27,600.00	36.98%	0.00	17,394.53
Travel & Conference	5,376.98	47,239.94	113,360.00	41.67%	0.00	66,120.06
Membership/Sponsorship	160.00	95,139.04	103,961.00	91.51%	0.00	8,821.96
CDR Support	0.00	29,804.64	39,740.00	75.00%	9,934.86	0.50
Dues & Memberships	160.00	124,943.68	143,701.00	86.95%	9,934.86	8,822.46
Business Expense	723.93	3,701.61	6,800.00	54.44%	0.00	3,098.39
Maintenance Office	7,578.98	60,056.31	126,670.00	47.41%	49,786.32	16,827.37
Building Repair & Maintenance	1,042.86	6,755.12	11,000.00	61.41%	4,244.88	0.00
Storage Rental & Equipment Lease	1,956.31	8,935.48	19,000.00	47.03%	10,064.52	0.00
Office Supplies	2,484.06	22,235.91	29,400.00	75.63%	1,042.74	6,121.35
Postage/Mail Delivery	1,439.65	9,498.73	11,285.00	84.17%	914.16	872.11
Subscriptions & Books	0.00	185.82	2,060.00	9.02%	0.00	1,874.18
Reproduction Expense	76.13	1,381.35	70,010.00	1.97%	37.30	68,591.35
Maintenance-Computers	779.10	4,984.13	7,100.00	70.20%	2,137.16	(21.29)
Software Purchase	3,335.32	8,812.83	18,500.00	47.64%	13.87	9,673.30
Software Support	1,820.92	23,498.52	34,000.00	69.11%	0.00	10,501.48
Computers and Equipment	0.00	15,630.65	21,150.00	73.90%	0.00	5,519.35
Automotive Expense	1,535.27	10,213.99	13,500.00	75.66%	0.00	3,286.01
Toll Road Charges	104.17	464.84	1,275.00	36.46%	0.00	810.16
Insurance Expense	8,373.30	65,509.45	96,000.00	68.24%	0.00	30,490.55
Utilities - Telephone	1,584.30	12,290.73	15,650.00	78.54%	0.00	3,359.27
Bank Fees	913.46	6,775.67	17,900.00	37.85%	0.00	11,124.33
Miscellaneous Expense	5,548.81	39,722.28	98,770.00	40.22%	0.00	59,047.72
MWDOC's Contrb. To WEROC	11,817.25	94,538.00	141,807.00	66.67%	0.00	47,269.00
Depreciation Expense	1,000.37	8,002.84	0.00	0.00%	0.00	(8,002.84)
Other Expenses	52,114.19	403,194.26	741,877.00	54.35%	68,240.95	270,441.79
MWDOC's Building Expense	0.00	22,224.55	400,000.00	5.56%	213,248.07	164,527.38
Capital Acquisition	0.00	4,356.60	6,000.00	72.61%	0.00	1,643.40
TOTAL EXPENSES	526,787.10	4,468,058.38	8,359,530.00	53.45%	1,233,126.72	2,658,344.90
NET INCOME (LOSS)	(497,372.80)	3,848,606.15	0.00			

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
Water Fund
From July 2015 thru February 2016

	Month to Date	Year to Date	Annual Budget	% Used	Budget Remaining
<u>WATER REVENUES</u>					
Water Sales	6,520,216.50	76,618,370.30	139,025,078.00	55.11%	62,406,707.70
Readiness to Serve Charge	1,056,174.45	8,714,963.40	13,214,277.00	65.95%	4,499,313.60
Capacity Charge CCF	402,482.50	3,017,195.00	4,424,460.00	68.19%	1,407,265.00
SCP Surcharge	19,047.60	155,196.46	380,000.00	40.84%	224,803.54
Interest	551.71	3,201.71	2,900.00	110.40%	(301.71)
TOTAL WATER REVENUES	7,998,472.76	88,508,926.87	157,046,715.00	56.36%	68,537,788.13
<u>WATER PURCHASES</u>					
Water Sales	6,520,216.50	76,618,370.30	139,025,078.00	55.11%	62,406,707.70
Readiness to Serve Charge	1,056,174.45	8,714,963.40	13,214,277.00	65.95%	4,499,313.60
Capacity Charge CCF	402,482.50	3,017,195.00	4,424,460.00	68.19%	1,407,265.00
SCP Surcharge	19,047.60	155,196.46	380,000.00	40.84%	224,803.54
TOTAL WATER PURCHASES	7,997,921.05	88,505,725.16	157,043,815.00	56.36%	68,538,089.84
EXCESS OF REVENUE OVER EXPENDITURES	551.71	3,201.71	2,900.00		

Municipal Water District of Orange County
WUE Revenues and Expenditures (Actuals vs Budget)
From July 2015 thru February 2016

	Year to Date Actual	Annual Budget	% Used
Landscape Performance Certification			
Revenues	34,760.42	118,900.00	29.24%
Expenses	<u>52,675.00</u>	<u>118,900.00</u>	44.30%
Excess of Revenues over Expenditures	(17,914.58)	0.00	
Industrial Water Use Reduction			
Revenues	150,208.65	91,236.00	164.64%
Expenses	<u>167,786.39</u>	<u>91,236.00</u>	183.90%
Excess of Revenues over Expenditures	(17,577.74)	0.00	
Spray To Drip Conversion			
Revenues	110,154.98	57,109.58	192.88%
Expenses	<u>121,222.94</u>	<u>57,109.58</u>	212.26%
Excess of Revenues over Expenditures	(11,067.96)	0.00	
Water Smart Landscape for Public Property			
Revenues	722.80	137,871.04	0.52%
Expenses	<u>519,841.44</u>	<u>137,871.04</u>	377.05%
Excess of Revenues over Expenditures	(519,118.64)	0.00	
Member Agency Administered Passthru			
Revenues	67,493.38	627,000.00	10.76%
Expenses	<u>67,493.38</u>	<u>627,000.00</u>	10.76%
Excess of Revenues over Expenditures	0.00	0.00	
ULFT Rebate Program			
Revenues	271,946.04	658,000.00	41.33%
Expenses	<u>294,303.50</u>	<u>658,000.00</u>	44.73%
Excess of Revenues over Expenditures	(22,357.46)	0.00	
HECW Rebate Program			
Revenues	248,152.99	696,000.00	35.65%
Expenses	<u>252,438.71</u>	<u>696,000.00</u>	36.27%
Excess of Revenues over Expenditures	(4,285.72)	0.00	
CII Rebate Program			
Revenues	122,215.00	509,000.00	24.01%
Expenses	<u>79,101.00</u>	<u>509,000.00</u>	15.54%
Excess of Revenues over Expenditures	43,114.00	0.00	
Large Landscape Survey			
Revenues	16,717.95	85,000.00	19.67%
Expenses	<u>13,142.00</u>	<u>85,000.00</u>	15.46%
Excess of Revenues over Expenditures	3,575.95	0.00	
Indoor-Outdoor Survey			
Revenues	4,905.63	6,800.00	72.14%
Expenses	<u>8.33</u>	<u>6,800.00</u>	0.12%
Excess of Revenues over Expenditures	4,897.30	0.00	
Turf Removal Program			
Revenues	14,504,438.93	19,075,000.00	76.04%
Expenses	<u>14,504,869.10</u>	<u>19,075,000.00</u>	76.04%
Excess of Revenues over Expenditures	(430.17)	0.00	

Municipal Water District of Orange County
WUE & Other Funds Revenues and Expenditures (Actuals vs Budget)
From July 2015 thru February 2016

	Year to Date Actual	Annual Budget	% Used
Comprehensive Landscape (CLWUE)			
Revenues	18,907.63	281,926.00	6.71%
Expenses	32,567.35	281,926.00	11.55%
Excess of Revenues over Expenditures	(13,659.72)	0.00	
Home Certification and Rebate			
Revenues	223,614.10	210,205.00	106.38%
Expenses	128,690.69	210,205.00	61.22%
Excess of Revenues over Expenditures	94,923.41	0.00	
CII, Large Landscape, Performance (OWOW)			
Revenues	11,624.03	138,725.00	8.38%
Expenses	91,045.98	138,725.00	65.63%
Excess of Revenues over Expenditures	(79,421.95)	0.00	
CA Sprinkler Adjustment Subscription System			
Revenues	5,099.47	34,432.50	14.81%
Expenses	32,242.39	34,432.50	93.64%
Excess of Revenues over Expenditures	(27,142.92)	0.00	
Rotating Nozzle			
Revenues	964.57	39,000.00	2.47%
Expenses	18,595.80	39,000.00	47.68%
Excess of Revenues over Expenditures	(17,631.23)	0.00	
WUE Projects			
Revenues	15,791,926.57	22,766,205.12	69.37%
Expenses	16,376,024.00	22,766,205.12	71.93%
Excess of Revenues over Expenditures	(584,097.43)	0.00	
WEROC			
Revenues	241,805.65	283,614.00	85.26%
Expenses	188,643.98	278,613.00	67.71%
Excess of Revenues over Expenditures	53,161.67	5,001.00	
RPOI Distributions			
Revenues	0.00	4,823.00	0.00%
Expenses	0.00	4,823.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	

**CONSENT CALENDAR ITEM**

March 23, 2016

TO: Board of Directors**FROM:** **Public Affairs & Legislation Committee**
(Directors Barbre, Hinman, and Tamaribuchi)Robert Hunter
General Manager

Staff Contact: Jonathan Volzke

SUBJECT: PUBLISHING THE OC CITIES & WATER AGENCIES DIRECTORY**STAFF RECOMMENDATION**

Staff recommends the Board of Directors receives and files the report and provide staff direction whether to print copies of the OC Cities & Water Agencies directory.

COMMITTEE RECOMMENDATION

Committee recommended the directory not be printed in hard copy.

DETAILED REPORT

Each year MWDOC staff updates the Orange County Cities & Water Agencies Directory, which typically is more than 95 pages.

After last month's discussion, three bids were sought from known commercial printers. The cost for printing 500 copies are:

Westamerica Communications, Lake Forest: \$8,618

Autumn Print Group, Mission Viejo: \$6,000

Bryton Printing, Anaheim: \$6,074

Note that Autumn Print Group and Bryon Printing requested to submit a bid for perfect binding like a book.

Budgeted (Y/N): Y		Core x	Choice
Action item amount:	Line item: Reproduction 7360		
Fiscal Impact (explain if unbudgeted): Sufficient funding exists in the Public Affairs budget for reproduction cost.			



CONSENT CALENDAR ITEM

April 20, 2016

TO: Board of Directors

FROM: **Public Affairs & Legislation Committee**
(Directors Barbre, Hinman, Tamaribuchi)

Robert Hunter
General Manager

Staff Contact: Heather Baez

SUBJECT: AB 2022 (Gordon) – Advanced Purification Demonstration Water

STAFF RECOMMENDATION

Staff recommends the Board of Directors vote to support AB 2022 (Gordon) and send a separate letter to the author and members of the Orange County delegation indicating our support.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

SUMMARY

AB 2022 would authorize the operator of a facility producing advanced purified demonstration water, as defined, to allow that water to be bottled and distributed as samples for educational purposes and to promote water recycling. The bill would prohibit the advanced purified demonstration water from being distributed unless the water meets or is superior to all federal and state drinking water standards. The bill would authorize advanced purified demonstration water to be bottled at a licensed water-bottling plant in compliance with specified provisions. The bill would further establish bottling and labeling requirements for advanced purified demonstration water and would prohibit a facility from bottling more than 2,500 gallons of the water in a calendar year.

Budgeted (Y/N): n/a	Budgeted amount:	Core x	Choice __
Fiscal Impact (explain if unbudgeted):			

ARGUMENTS IN SUPPORT

According to the author's office, "California's five-year drought has highlighted the fact that we must diversify our water portfolio to ensure water security for our growing population. "Californians are just one sip away from getting comfortable with drinking purified reused water. I tasted purified reused water from the Santa Clara Valley Water District; it was clear, delicious and surpassed health and safety standards," said Gordon, who is Chairman of the Assembly's Select Committee on Water Consumption and Alternative Sources. "This legislation will allow Californians to get a small taste of one of our main water sources of the future."

"Drinking this water is one of the most effective ways to educate the public about the advanced purification process that turns wastewater into water that exceeds all drinking water standards," said Jennifer West, Managing Director of WateReuse California, another co-sponsor of the bill. "By allowing the bottling of this water for educational purposes only, AB 2022 will provide an opportunity for the public to learn more about the treatment process and this new and growing source of drinking water supply for California."

ARGUMENTS IN OPPOSITION

None. The water bottled at these facilities is for educational purposes only and will not be for sale. It will help raise awareness of this safe source of drinking water.

COMMENTS

This bill is co-sponsored by the Orange County Water District and the Orange County Sanitation District. WateReuse is another co-sponsor of the measure. California Coastkeeper Alliance is also supporting.

DETAILED REPORT

The full text of AB 2022 is attached.

AB 2022 (Gordon)

Advanced Purified Demonstration Water

CURRENT ISSUE

By using advanced water purification technology, billions of gallons of water that would otherwise be wasted to the ocean can be reused as a safe and reliable source of new drought-proof water to help fulfill California's ever-growing demand. For years, this water has been safely and sustainably mixed into groundwater basins and thus our drinking water supply, but the public could only directly sample this purified water at a water purification facility. New legislation to allow the bottling of small amounts of advanced purified water is an excellent way to expand that educational opportunity to Californians who don't have the opportunity or means to visit these advanced purification facilities. This water will not be sold; instead, it will be used to demonstrate to a broader audience the cutting-edge technology that is being used to purify wastewater to near-distilled water quality.

BACKGROUND

Advanced purified water is becoming a more common tool for water agencies as they diversify their water portfolios to improve reliability through drought. Advanced purified water has been proven to meet or exceed all drinking water standards and has been included for years in the water supply of several communities indirectly through groundwater mixing. Reservoir augmentation and direct potability of this water is seen as an important next step for water supply in California, and is currently available to sample at a few purification facilities. The sampling of advanced purified water is seen as one of the most effective ways of educating members of the community about the treatment process for this growing source of supply. Public understanding of the purity of this water is seen as a key requirement for more widespread acceptance of potable reuse in California. Today, agencies are not allowed to bottle small amounts of potable reuse water, even for educational purposes. Bottling water for educational purposes will provide an opportunity to educate a larger swath of the general public regarding the benefits of advanced purified water, including its quality and safety.

An example of such a facility is the Orange County Water District (OCWD) and Orange County Sanitation

District's (OCSD) Groundwater Replenishment System (GWRS). Brought online in January 2008, GWRS is the largest water purification project of its kind in the world. The GWRS takes highly treated wastewater from OCSD and treats it to beyond drinking water standards using advanced membrane purification technologies. GWRS water exceeds all state and federal drinking water standards and has water quality similar to or better than bottled water. Roughly half of the purified water from the GWRS is percolated into groundwater aquifers. There, the water blends with the existing groundwater before it is used as drinking water for northern and central Orange County residents. Furthermore, this water has been available for sampling directly at the OCWD's facility since the facility opened in 2008.

The State Water Resources Control Board's Division of Drinking Water is responsible for evaluating the treatment, production, distribution and use of recycled water as related to its public health safety. Uniform water recycling criteria for direct potable reuse, as well as criteria for the bottling of direct potable reuse, has not yet been developed by the State Water Resources Control Board, though a study on its feasibility is forthcoming.

THIS BILL

This proposal would authorize the bottling of up to 2,500 gallons of advanced purified demonstration drinking water for educational purposes to promote water recycling. This bottled water may not be sold. The proposal establishes bottling, labeling, handling, quality and treatment requirements for bottled advanced purified water.

SUPPORT

WaterReuse California (Co-Sponsor)
Orange County Water District (Co-Sponsor)
Orange County Sanitation District (Co-Sponsor)

FOR MORE INFORMATION

Nuriel Moghavem
Office of Assemblymember Rich Gordon
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Nuriel.Moghavem@asm.ca.gov

ASSEMBLY BILL

No. 2022

Introduced by Assembly Member Gordon

February 16, 2016

An act to add Section 13570 to the Water Code, relating to water.

LEGISLATIVE COUNSEL'S DIGEST

AB 2022, as introduced, Gordon. Advanced purified demonstration water.

Existing law requires the State Department of Public Health to, on or before December 31, 2013, adopt uniform water recycling criteria for indirect potable reuse for groundwater recharge and to investigate and, on or before December 31, 2016, report to the Legislature on the feasibility of developing uniform water recycling criteria for direct potable reuse. Existing law transferred these powers and responsibilities to the State Water Resources Control Board on July 1, 2014.

Under existing law, the State Department of Public Health licenses and regulates water bottlers, distributors, and vendors. Existing law prescribes various quality and labeling standards for bottled water and limits the levels of certain contaminants that may be contained in those water products. Violation of these provisions is a crime.

This bill would authorize the operator of a facility producing advanced purified demonstration water, as defined, to cause that water to be bottled and distributed as samples for educational purposes and to promote water recycling. The bill would prohibit the advanced purified demonstration water from being distributed unless the water meets or is superior to all federal and state drinking water standards. The bill would authorize advanced purified demonstration water to be bottled at a licensed water-bottling plant in compliance with specified

provisions. The bill would further establish bottling and labeling requirements for advanced purified demonstration water and would prohibit a facility from bottling more than 2,500 gallons of the water in a calendar year. The bill would specify that a violation of these provisions does not constitute a crime.

Vote: majority. Appropriation: no. Fiscal committee: yes.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. Section 13570 is added to the Water Code, to
2 read:

3 13570. (a) As used in this section, “advanced purified
4 demonstration water” means product water from an advanced water
5 purification facility that satisfies both of the following
6 requirements:

7 (1) The product water is treated by means of all of the following
8 treatment processes:

9 (A) Microfiltration, ultrafiltration, or other filtration processes
10 to remove particulates before reverse osmosis.

11 (B) Reverse osmosis.

12 (C) Advanced oxidation.

13 (2) The product water meets or is superior to all federal and
14 state drinking water standards.

15 (b) An advanced water purification facility may use an
16 alternative treatment process in lieu of a process specified in
17 subdivision (a) if the facility demonstrates to the Division of
18 Drinking Water of the State Water Resources Control Board that
19 the proposed alternative ensures at least the same level of protection
20 to public health.

21 (c) Except as expressly set forth in this section, the operator of
22 a facility producing advanced purified demonstration water may
23 cause that water to be bottled and distributed as samples for
24 educational purposes and to promote water recycling, without
25 complying with the requirements of Article 12 (commencing with
26 Section 111070) of Chapter 5 of Part 5 of Division 104 of the
27 Health and Safety Code.

28 (d) Any operator seeking to bottle advanced purified
29 demonstration water shall collect water samples prior to the
30 commencement of the bottling process, and test that water in

1 accordance with Section 111165 of the Health and Safety Code.
2 Advanced purified demonstration water shall not be distributed
3 unless that water meets or is superior to all federal and state
4 drinking water standards, all maximum contaminant levels
5 established by the Division of Drinking Water of the State Water
6 Resources Control Board for public drinking water, and all water
7 purification requirements imposed by regulatory agencies on the
8 water reclamation facility that produces the product water being
9 used as advanced purified demonstration water.

10 (e) Advanced purified demonstration water may be bottled only
11 at a licensed water-bottling plant in compliance with Sections
12 111080, 111120, 111145, and 111155 of the Health and Safety
13 Code.

14 (f) Advanced purified demonstration water shall be handled
15 from the point of production to the completion of bottling in
16 accordance with all regulations governing the transportation,
17 bottling, and handling of bottled water, as defined in subdivision
18 (a) of Section 111070 of the Health and Safety Code, including,
19 but not limited to, subdivisions (b), (f), and (h) of Section 111075
20 of the Health and Safety Code. A water bottling plant that bottles
21 advanced purified demonstration water in accordance with this
22 section may also bottle other potable water, subject to compliance
23 with Article 12(commencing with Section 111070)of Chapter 5
24 of Part 5 of Division 104 of the Health and Safety Code.

25 (g) Advanced purified demonstration water shall be bottled in
26 nonreturnable (one-way) bottles or packages with labels containing
27 the following information in an easily readable format that
28 complies with all of the following:

29 (1) The label shall state "sample water--not for sale" and
30 "advanced purified water meeting all federal and state drinking
31 water standards."

32 (2) The label shall set forth the name, address, telephone
33 number, and Internet Web site of the operator of the facility
34 producing the advanced purified demonstration water.

35 (3) The label shall include a brief description of the advanced
36 purified demonstration water, including its source and the treatment
37 processes to which the water is subjected.

38 (h) A single water purification facility may not bottle more than
39 2,500 gallons of advanced purified demonstration water in a
40 calendar year.

- 1 (i) Advanced purified demonstration water shall not be sold or
- 2 otherwise distributed in exchange for financial consideration.
- 3 (j) A violation of this section shall not be subject to Section
- 4 111825 of the Health and Safety Code.

O

**CONSENT CALENDAR ITEM**

April 20, 2016

TO: Board of Directors**FROM:** **Public Affairs & Legislation Committee**
(Directors Barbre, Hinman, Tamaribuchi)Robert Hunter
General Manager

Staff Contact: Heather Baez

SUBJECT: SB 885 (Wolk) – Construction Contracts, Indemnity**STAFF RECOMMENDATION**

Staff recommends the Board of Directors vote to oppose SB 885 (Wolk), sign on to the California Special Districts Association (CSAC) coalition letter, and send a separate letter to the author and members of the Orange County delegation indicating our opposition.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

SUMMARY

SB 885 would specify, for construction contracts entered into on or after January 1, 2017, that a design professional, as defined, only has the duty to defend claims that arise out of, or pertain or relate to negligence, recklessness, or willful misconduct of the design professional. Under the bill, a design professional would not have a duty to defend claims against any other person or entity arising from a construction project, except that person or entity's reasonable defense costs arising out of the design professional's degree of fault, as specified.

The bill would prohibit waiver of these provisions and would provide that any clause in a contract that requires a design professional to defend claims against other persons or

Budgeted (Y/N): n/a	Budgeted amount:	Core x	Choice __
Fiscal Impact (explain if unbudgeted):			

entities is void and unenforceable. The bill would provide Legislative findings and declarations in support of these provisions.

ARGUMENTS IN SUPPORT

According to the author's office, the purpose of SB 885 is to address uninsurable risk shifting in indemnity agreements, in the context of construction contracts.

A design professional's Errors & Omissions professional liability insurance does not provide coverage for the defense of claims against other persons and entities involved in construction projects. It only covers claims related to the negligent acts of the design professional. A first-dollar expense obligation essentially converts the design professional's firm into the functional equivalent of an unlicensed insurance company.

It is in the public's best interest for all persons and entities in projects to defend themselves against claims of negligence or error. Design professionals will pay their proportional share of defense costs. However, when insurance coverage is not available, it is unfair to obligate them to defend lawsuits against other persons or entities

ARGUMENTS IN OPPOSITION

In 2010, CSDA opposed Senate Bill 972 by the same author and, thanks to strong coalition efforts and your grassroots action, Senator Wolk and the bill's sponsors agreed to a compromise that removed CSDA's opposition.

However, SB 885 moves beyond the compromise of 2010. This measure would greatly limit special districts' freedom to contract and place undue burden on all local agencies who contract with design professionals for public works projects.

Specifically, SB 885 would eliminate the right of a public agency to contract with architects and engineers for up-front legal defense against claims related to these design professionals' work. Instead, public agencies could only ask for reimbursement from the design professionals if the claim is fully litigated and a decision is rendered by a court. As a result:

- SB 885 favors litigation over negotiation – SB 885 actually encourages new litigation and manufactures unnecessary conflict in public works projects.
- SB 885 forces taxpayers and ratepayers to front the costs to defend the private sector even for claims that allege the negligence, recklessness, or willful misconduct on the part of a private business.
- Every dollar spent on litigation spawned by SB 885 will be one less dollar to support vital public services and infrastructure (water, fire protection, police, parks, libraries, etc.). Infrastructure funding that employs hard-working Californians will go toward high-paid attorneys.

- SB 885 circumvents market conditions and the freedom to contract, and simply forces taxpayers to insure the defense of private entities, even when they are 100 percent liable to the claim.

In summary, SB 885 would shift responsibility and risk from design professionals to the public and result in taxpayer dollars funding new unnecessary litigation. Once more, CSDA is asking our members to take notice of this proposed measure and join the effort to stop this bill from impacting local agencies throughout the state.

COMMENTS

Support for this legislation so far includes: American Council of Engineering Companies of California (sponsor), Structural Engineers Association of California, American Institute of Architects California Council, and the California Geotechnical Engineering Association.

Opposition so far: Public Works Coalition including - CSAC, California League of Cities, California's for Adequate School Housing (CASH), and California State Universities.

DETAILED REPORT

The full text of SB 885 is attached.



**California Special
Districts Association**

Districts Stronger Together

March 9, 2016

The Honorable Hannah-Beth Jackson
Chair, Senate Judiciary Committee
State Capitol
Sacramento, CA 95814

Re: Senate Bill 885 (Wolk) – Oppose [As Introduced]

Dear Senator Jackson:

The California Special Districts Association (CSDA), representing over 1,000 special districts and affiliate organizations throughout the state, must respectfully oppose SB 885 related to contract indemnity. CSDA represents all types of special districts, which provide millions of Californians with essential local services such as fire protection, water, health care, sanitation, and parks and recreation.

SB 885 eliminates the ability of a public agency to contract with engineers and architects, known as design professionals, for upfront legal defense costs against claims related to a project's design work. When contracting with a design professional, public agencies often place a clause in the agreement requiring the design professional to legally defend the public agency if a claim or lawsuit directly related to the design services work is filed against the agency. This current practice fosters an environment of collaboration between the public agency and the design professional who both have the same incentive to resolve the lawsuit or claim.

This bill instead imposes a "one size fits all" constraint on contractual negotiations by prohibiting a public agency from requiring the design professional to defend a claim directly connected to the work of the design professional. Requiring the public agency to defend the actions of the design professional creates a "reimbursement only" process that results in the public agency defending the actions of the design professional and shouldering upfront all of the associated costs. The public agency would then have to seek reimbursement from the design professional, to the extent the design professional is found negligent, once the claim is fully litigated and a court or arbitrator renders a final decision. This process not only requires a public entity to front the costs for a private entity, it also creates conflict within the public-private partnership, effectually eliminating the incentive to work together towards a settlement, rather than the more costly process of litigation.

Requires Taxpayers to Defend Private Companies

SB 885 forces taxpayers and ratepayers to front the legal costs to defend the private sector, even for claims where the design professional is 100 percent at fault. The bill is currently crafted in a manner that would result in special districts and other local agencies covering the upfront legal costs of a dispute where the design professional has liability exposure and/or the design professional has some responsibility to defend. Instead of receiving an upfront defense, public agencies will have to first wait for a judgement by the court and then ask for reimbursement for the defense costs from the design professional. In these circumstances, which we fear will arise more often than not, the burden will be placed on the local agency to substantiate that the design professional must reimburse the local agency for their share of the legal costs, even when there is clearly a shared duty to defend.

The new process proposed by this bill will tie-up public dollars in the legal system until an official judgement is made. This will further increase the enormous backlog of deferred maintenance public agencies face and restrict investment in new infrastructure projects. It is well documented that California is in dire need of hundreds of billions of dollars in infrastructure investment, whether it be for water, roads, hospitals, or

California Special Districts Association

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A proud California Special Districts Alliance partner

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CSDA Finance Corporation
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Sacramento, CA 95814
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schools. This bill will have a major chilling effect on public improvements as state and local agencies become more vulnerable to litigation and are forced to devote scarce public resources to defending private entities.

Favors Litigation Over Negotiation

SB 885 *encourages* new litigation, rather than the current focus on resolution, and manufactures unnecessary conflict in public works project. Because this bill would create a reimbursement only system that hinges upon an official adjudication, settling a lawsuit or claim would become an unviable option in most cases. Currently, it is common practice for all affected parties to come to the table and enter into a settlement, avoiding a long, drawn-out lawsuit that could cost all parties significant legal fees. This bill removes the incentive for settlement because design professionals would only be liable for defense costs after a full trial or arbitration process. In effect, this bill will force the public agency to side with the claimant against the design professional, rather than working with the design professional to disprove or settle the claim.

Restricts Contract Flexibility

Local agencies include indemnity agreements in contracts because they ultimately protect the taxpayer against expensive litigation costs, oftentimes litigation arising from circumstances in which the agency was not at fault. Parties to a contract should have the flexibility to tailor the requirements to meet the needs of the specific project, including the ability to allocate responsibilities as most appropriate. Long-standing practice when negotiating contract terms is to include indemnification provisions. SB 885 would stifle the flexibility inherent in current law and require public agencies to shoulder the burden of legal fees to protect private sector design professionals against claims that may result from inadequate plans and specifications.

Reverses Course on Previous Compromise

SB 885 seeks to reverse a unanimous 2008 California Supreme Court decision, *Crawford v Weathershield*, on an indemnification statute that has changed very little since 1872. The decision confirmed the ability of public agencies to place indemnification clauses in public works contracts that require the design professional to defend the public agency when a lawsuit directly related to the design services is filed. In 2010, SB 972 (Wolk) originally sought to overturn the court's decision, similar to SB 885. Ultimately, public agencies and the design professional community agreed to a compromise on this issue, creating Civil Code Section 2782.8. This code section protects design professionals from unreasonable liability requirements placed upon them by public agencies, while protecting taxpayers from defending lawsuits related to the work of design professionals. SB 885 moves well beyond 2010's compromise and would undo all previous negotiations.

In conclusion, SB 885 removes contract flexibility from special districts, while, in effect, transferring responsibility and risk for a project's design work from design professionals to the public. This will result in taxpayer dollars funding litigation related to the negligence of the design professionals, increasing the costs of public works projects, and limiting available resources for services and other infrastructure. For these reasons, CSDA respectfully opposes SB 885. Please do not hesitate to contact me if you have any questions regarding our position.

Sincerely,



Jimmy MacDonald
Legislative Representative

cc: The Honorable Lois Wolk
Honorable Members, Senate Judiciary Committee
Tobias Halverson, Counsel, Senate Judiciary Committee
Mike Petersen, Consultant, Senate Republican Caucus

Introduced by Senator Wolk

January 19, 2016

An act to amend Section 2782 of the Civil Code, relating to contracts.

LEGISLATIVE COUNSEL'S DIGEST

SB 885, as introduced, Wolk. Construction contracts: indemnity.

Existing law makes specified provisions in construction contracts void and unenforceable, including provisions that purport to indemnify the promisee against liability for damages for death or bodily injury to persons, injury to property, or any other loss arising from the sole negligence or willful misconduct of the promisee or the promisee's agents who are directly responsible to the promisee, or for defects in design furnished by those persons.

This bill would specify, for construction contracts entered into on or after January 1, 2017, that a design professional, as defined, only has the duty to defend claims that arise out of, or pertain or relate to, negligence, recklessness, or willful misconduct of the design professional. Under the bill, a design professional would not have a duty to defend claims against any other person or entity arising from a construction project, except that person or entity's reasonable defense costs arising out of the design professional's degree of fault, as specified. The bill would prohibit waiver of these provisions and would provide that any clause in a contract that requires a design professional to defend claims against other persons or entities is void and unenforceable. The bill would provide Legislative findings and declarations in support of these provisions.

Vote: majority. Appropriation: no. Fiscal committee: no.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. The Legislature finds and declares all of the
2 following:

3 (a) Errors and omissions insurance for design professionals does
4 not provide coverage for the defense of claims against other persons
5 and other entities involved in construction projects.

6 (b) Requiring design professionals to defend claims against
7 other persons or other entities involved in construction projects
8 when insurance coverage is not available is unfair and contrary to
9 sound public policy.

10 (c) It is sound public policy for all persons and entities in
11 projects to defend themselves against claims of negligence or error.

12 (d) It is the intent of the Legislature in enacting this act to
13 prohibit indemnity agreements that require design professionals
14 to defend claims made against other persons or other entities
15 involved in construction projects.

16 SEC. 2. Section 2782 of the Civil Code is amended to read:

17 2782. (a) Except as provided in Sections 2782.1, 2782.2,
18 2782.5, and 2782.6, provisions, clauses, covenants, or agreements
19 contained in, collateral to, or affecting any construction contract
20 and that purport to indemnify the promisee against liability for
21 damages for death or bodily injury to persons, injury to property,
22 or any other loss, damage or expense arising from the sole
23 negligence or willful misconduct of the promisee or the promisee's
24 agents, servants, or independent contractors who are directly
25 responsible to the promisee, or for defects in design furnished by
26 those persons, are against public policy and are void and
27 unenforceable; provided, however, that this section shall not affect
28 the validity of any insurance contract, workers' compensation, or
29 agreement issued by an admitted insurer as defined by the
30 Insurance Code.

31 (b) (1) Except as provided in Sections 2782.1, 2782.2, and
32 2782.5, provisions, clauses, covenants, or agreements contained
33 in, collateral to, or affecting any construction contract with a public
34 agency entered into before January 1, 2013, that purport to impose
35 on the contractor, or relieve the public agency from, liability for
36 the active negligence of the public agency are void and
37 unenforceable.

(2) Except as provided in Sections 2782.1, 2782.2, and 2782.5, provisions, clauses, covenants, or agreements contained in, collateral to, or affecting any construction contract with a public agency entered into on or after January 1, 2013, that purport to impose on any contractor, subcontractor, or supplier of goods or services, or relieve the public agency from, liability for the active negligence of the public agency are void and unenforceable.

(c) (1) Except as provided in subdivision (d) and Sections 2782.1, 2782.2, and 2782.5, provisions, clauses, covenants, or agreements contained in, collateral to, or affecting any construction contract entered into on or after January 1, 2013, with the owner of privately owned real property to be improved and as to which the owner is not acting as a contractor or supplier of materials or equipment to the work, that purport to impose on any contractor, subcontractor, or supplier of goods or services, or relieve the owner from, liability are unenforceable to the extent of the active negligence of the owner, including that of its employees.

(2) For purposes of this subdivision, an owner of privately owned real property to be improved includes the owner of any interest therein, other than a mortgage or other interest that is held solely as security for performance of an obligation.

(3) This subdivision shall not apply to a homeowner performing a home improvement project on his or her own single family dwelling.

(d) For all construction contracts, and amendments thereto, entered into after January 1, 2009, for residential construction, as used in Title 7 (commencing with Section 895) of Part 2 of Division 2, all provisions, clauses, covenants, and agreements contained in, collateral to, or affecting any construction contract, and amendments thereto, that purport to insure or indemnify, including the cost to defend, the builder, as defined in Section 911, or the general contractor or contractor not affiliated with the builder, as described in subdivision (b) of Section 911, by a subcontractor against liability for claims of construction defects are unenforceable to the extent the claims arise out of, pertain to, or relate to the negligence of the builder or contractor or the builder's or contractor's other agents, other servants, or other independent contractors who are directly responsible to the builder, or for defects in design furnished by those persons, or to the extent the claims do not arise out of, pertain to, or relate to the scope of

1 work in the written agreement between the parties. This section
2 shall not be waived or modified by contractual agreement, act, or
3 omission of the parties. Contractual provisions, clauses, covenants,
4 or agreements not expressly prohibited herein are reserved to the
5 agreement of the parties. Nothing in this subdivision shall prevent
6 any party from exercising its rights under subdivision (a) of Section
7 910. This subdivision shall not affect the obligations of an
8 insurance carrier under the holding of *Presley Homes, Inc. v.*
9 *American States Insurance Company* (2001) 90 Cal.App.4th 571.
10 Nor shall this subdivision affect the obligations of a builder or
11 subcontractor pursuant to Title 7 (commencing with Section 895)
12 of Part 2 of Division 2.

13 (e) Subdivision (d) does not prohibit a subcontractor and builder
14 or general contractor from mutually agreeing to the timing or
15 immediacy of the defense and provisions for reimbursement of
16 defense fees and costs, so long as that agreement does not waive
17 or modify the provisions of subdivision (d) subject, however, to
18 paragraphs (1) and (2). A subcontractor shall owe no defense or
19 indemnity obligation to a builder or general contractor for a
20 construction defect claim unless and until the builder or general
21 contractor provides a written tender of the claim, or portion thereof,
22 to the subcontractor which includes all of the information provided
23 to the builder or general contractor by the claimant or claimants,
24 including, but not limited to, information provided pursuant to
25 subdivision (a) of Section 910, relating to claims caused by that
26 subcontractor's scope of work. This written tender shall have the
27 same force and effect as a notice of commencement of a legal
28 proceeding. If a builder or general contractor tenders a claim for
29 construction defects, or a portion thereof, to a subcontractor in the
30 manner specified by this provision, the subcontractor shall elect
31 to perform either of the following, the performance of which shall
32 be deemed to satisfy the subcontractor's defense obligation to the
33 builder or general contractor:

34 (1) Defend the claim with counsel of its choice, and the
35 subcontractor shall maintain control of the defense for any claim
36 or portion of claim to which the defense obligation applies. If a
37 subcontractor elects to defend under this paragraph, the
38 subcontractor shall provide written notice of the election to the
39 builder or general contractor within a reasonable time period
40 following receipt of the written tender, and in no event later than

1 90 days following that receipt. Consistent with subdivision (d),
2 the defense by the subcontractor shall be a complete defense of
3 the builder or general contractor of all claims or portions thereof
4 to the extent alleged to be caused by the subcontractor, including
5 any vicarious liability claims against the builder or general
6 contractor resulting from the subcontractor's scope of work, but
7 not including claims resulting from the scope of work, actions, or
8 omissions of the builder, general contractor, or any other party.
9 Any vicarious liability imposed upon a builder or general contractor
10 for claims caused by the subcontractor electing to defend under
11 this paragraph shall be directly enforceable against the
12 subcontractor by the builder, general contractor, or claimant.

13 (2) Pay, within 30 days of receipt of an invoice from the builder
14 or general contractor, no more than a reasonable allocated share
15 of the builder's or general contractor's defense fees and costs, on
16 an ongoing basis during the pendency of the claim, subject to
17 reallocation consistent with subdivision (d), and including any
18 amounts reallocated upon final resolution of the claim, either by
19 settlement or judgment. The builder or general contractor shall
20 allocate a share to itself to the extent a claim or claims are alleged
21 to be caused by its work, actions, or omissions, and a share to each
22 subcontractor to the extent a claim or claims are alleged to be
23 caused by the subcontractor's work, actions, or omissions,
24 regardless of whether the builder or general contractor actually
25 tenders the claim to any particular subcontractor, and regardless
26 of whether that subcontractor is participating in the defense. Any
27 amounts not collected from any particular subcontractor may not
28 be collected from any other subcontractor.

29 (f) Notwithstanding any other provision of law, if a
30 subcontractor fails to timely and adequately perform its obligations
31 under paragraph (1) of subdivision (e), the builder or general
32 contractor shall have the right to pursue a claim against the
33 subcontractor for any resulting compensatory damages,
34 consequential damages, and reasonable attorney's fees. If a
35 subcontractor fails to timely perform its obligations under
36 paragraph (2) of subdivision (e), the builder or general contractor
37 shall have the right to pursue a claim against the subcontractor for
38 any resulting compensatory and consequential damages, as well
39 as for interest on defense and indemnity costs, from the date
40 incurred, at the rate set forth in subdivision (g) of Section 3260,

1 and for the builder's or general contractor's reasonable attorney's
2 fees incurred to recover these amounts. The builder or general
3 contractor shall bear the burden of proof to establish both the
4 subcontractor's failure to perform under either paragraph (1) or
5 (2) of subdivision (e) and any resulting damages. If, upon request
6 by a subcontractor, a builder or general contractor does not
7 reallocate defense fees to subcontractors within 30 days following
8 final resolution of the claim as described above, the subcontractor
9 shall have the right to pursue a claim against the builder or general
10 contractor for any resulting compensatory and consequential
11 damages, as well as for interest on the fees, from the date of final
12 resolution of the claim, at the rate set forth in subdivision (g) of
13 Section 3260, and the subcontractor's reasonable attorney's fees
14 incurred in connection therewith. The subcontractor shall bear the
15 burden of proof to establish both the failure to reallocate the fees
16 and any resulting damages. Nothing in this section shall prohibit
17 the parties from mutually agreeing to reasonable contractual
18 provisions for damages if any party fails to elect for or perform
19 its obligations as stated in this section.

20 (g) A builder, general contractor, or subcontractor shall have
21 the right to seek equitable indemnity for any claim governed by
22 this section.

23 (h) Nothing in this section limits, restricts, or prohibits the right
24 of a builder, general contractor, or subcontractor to seek equitable
25 indemnity against any supplier, design professional, or product
26 manufacturer.

27 (i) As used in this section, "construction defect" means a
28 violation of the standards set forth in Sections 896 and 897.

29 (j) (1) *Commencing with contracts entered into on or after*
30 *January 1, 2017, a design professional, as defined in paragraph*
31 *(2) of subdivision (c) of Section 2782.8, shall only have the duty*
32 *to defend claims that arise out of, pertain to, or relate to, the*
33 *negligence, recklessness, or willful misconduct of the design*
34 *professional. A design professional shall have no duty to defend*
35 *claims against other persons or entities. A design professional*
36 *shall be obligated to reimburse reasonable defense costs incurred*
37 *by other persons or entities, limited to the design professional's*
38 *degree of fault, as determined by a court or arbitration.*

39 (2) *The provisions of this subdivision shall not be waived or*
40 *modified by contract. Contract provisions in violation of this*

- 1 *subdivision are void and unenforceable. The duty of a design*
- 2 *professional to defend is limited as provided in this subdivision.*



ACTION ITEM

April 20, 2016

TO: Board of Directors

FROM: **Planning & Operations Committee**
(Directors Dick, Hinman, Finnegan)

Robert Hunter
General Manager

Staff Contact: Karl Seckel

SUBJECT: Award a Professional Services Contract to Black & Veatch Engineers for Engineering and Operations Assistance on Pipelines in Orange County

STAFF RECOMMENDATION

Staff recommends the Board of Directors authorize the General Manager to award a contract with Black & Veatch Engineers in an amount not to exceed \$25,000.

COMMITTEE RECOMMENDATION

Paul Weghorst from IRWD commented at the Committee meeting that they support the effort as suggested by MWDOC, but they wanted to be recorded as noting that they could be impacted in two manners by water quality changes as a result of integrating Poseidon water into the 4th reach of the EOCF#2:

1. One concern was that the chloride level from direct delivery of the Poseidon water into the 4th reach of the Project could result in IRWD NOT meeting their basin discharge requirements, unless the Poseidon water is treated with a partial second pass RO. This issue has been known for a number of years.
2. With OCWD considering injecting Poseidon water into the groundwater basin, IRWD has raised a NEW concern that the chloride level in groundwater they pump may impact them as noted above. In addition, if IRWD was requested to take additional Poseidon water in-lieu of pumping groundwater, the impacts could be further increased.

Budgeted (Y/N): Yes	Budgeted amount: \$25,000 for 15-16	Core ✓	Choice ____
Action item amount: \$25,000		Line item: 21-701 Outside Consultants	
Fiscal Impact (explain if unbudgeted):			

Mr. Seckel indicated that the work anticipated would consider these impacts.

SUMMARY

MWDOC staff sent out an **Invitation to Submit an SOQ and Input on Engineering and Operations of Pipelines in Orange County** to seven consultants who were prequalified and included on Metropolitan's list of engineering consultants and posted the notice on our website. The purpose of the solicitation was to engage engineering firms experienced with MET's large diameter pipeline design (30" to 78" in diameter, mostly steel), and MET's pipeline specifications, operations, water quality issues, maintenance issues and hydraulic control and hydraulic transients control. The engineering firm was requested to provide assistance to MWDOC in the following areas:

- Examine options and costs for segregating certain reaches of the EOCF#2 pipeline (or other pipelines) from one another, taking into account the potential impact on MET operations and the need to maintain water residence at 3 days or less to preserve the chloramine residual
- Outline the issues, costs and operations of a chlorine or chloramine boost facility to assist maintaining a higher chloramine residual
- Examine what occurs with an outage of a primary local supply source pumping into the EOCF#2 and/or other pipelines due to a pumping outage (surge, pressure relief, protection of the MET and other systems, change of flow in the MET system, etc.)
- Examine potential emergency outage situations where it might be prudent to allow the operations of the pipelines to be re-integrated via valving and interconnections and or pumped interconnections
- Examine options for delivery of water from the EOCF#2 pipeline via existing MET service connections and local flow control facility (as is done today) compared to a REVISED system that would involve:
 - A reverse flow of the EOCF#2 in Reach 4 combined with the bypass of the Coastal Pressure Control Structure and then re-integration of the flows either into Reach 3 of the EOCF#2 for ultimate delivery of water via existing service connections CM-10 and CM-12 (at a pressure up to an HGL of 689 feet); or,
 - Whether a NEW interconnection should be located downstream of CM-10 and/or CM-12 where pressures are reduced to an HGL of 525 feet.
- Conceptual cost estimating of large diameter pipeline construction/replacement costs including estimating remaining useful life and future replacement options
- Outline the needs for surge protection for introducing NEW water sources into pipeline(s)
- Other services related to the operations and maintenance of large diameter pipelines
- MWDOC has water quality expertise under contract that will be made available to the selected consultant (Ed Means via Means Consulting); consultants can provide their own water quality experts

Overall, this work would help with the following projects:

1. Integration of the Poseidon Water
2. Use of the EOCF#2 to move Groundwater in OC

3. Use of other pipelines to move Groundwater in OC (West Orange County Wellfield Project water conveyance)
4. Expansion of the Emergency Services Project to move emergency water to South Orange County

The consultants solicited included:

- AECOM
- Black & Veatch
- Carollo
- CDM Smith
- HDR
- Lee & Ro
- MWH Americas

Proposals were received from Black & Veatch and from Northwest Hydraulic Consultants. Several of the consultants noted potential conflicts of interest with work they have or anticipate from Metropolitan Water District of Southern California and others noted that they are very busy and the magnitude of the work we advertised was not necessarily worth the effort of responding at this time. Staff reviewed both proposals. The Black & Veatch proposal fully met the requirements of the solicitation. Black & Veatch has completed quite a bit of work with Met and would be very helpful to staff. The Northwest Hydraulic Consultants noted in their proposal that they did not meet all of the requirements of the SOQ, but that they would be available for help in any surge or transient analyses required:

“NHC is a specialty hydraulic engineering firm and does not provide services such as cost estimating for segregating reaches of EOCF#2, water quality and disinfectant residence time analysis, cost estimating for chloramine boost facilities, cost estimating for large diameter pipeline construction/replacement, maintenance of large diameter pipelines, etc., which are also requested in MWDOC’s February 23, 2016 Request for Qualifications. However, NHC is willing to work in combination with other engineering firms that MWDOC selects for these services. This Statement of Qualifications describes our qualifications and experience, key personnel, technical approach, and standard billing rates for transient analysis services.”

The NHC noted in their proposal that they were responsible for the prior surge analysis completed for Poseidon for connecting the OC-44 line to the EOCF#2. If we get to the point of needing the surge analysis updated, NHC would be a good selection. We are not at that point at this time.

Staff Recommendation

Staff recommends the Board of Directors authorize the General Manager to award a contract with Black & Veatch Engineers in an amount not to exceed \$25,000. This level of budget should be sufficient to get work completed on several aspects of the work to move forward in negotiations with MET staff. Other members of the project team include Brian Thomas on financial issues and Ed Means on water quality issues.

Attached are several pipeline schematics of the EOCF#2 and the connecting pipelines and where water may be introduced from the Poseidon Project along with a copy of the B&V proposal.



Mr. Karl W. Seckel, P.E.
Assistant Manager/District Engineer
Municipal Water District of Orange County
18700 Ward Street
Fountain Valley, CA 92708

March 18, 2016

Subject: Statement of Qualifications (SOQ)
Services Related to MET Pipelines In Orange County

Dear Mr. Seckel:

The Municipal Water District of Orange County (MWDOC) is currently in conversations with The Metropolitan Water District of Southern California (MET) on how to create projects that introduce “other sources of water” in pipelines that will continue to be predominantly MET water. As described in your Request for Qualifications (RFQ), MWDOC is seeking consulting assistance on the initial phase of this visionary effort. Black & Veatch (B&V) is excited about the possibility of working with you, and we are pleased to submit this letter Statement of Qualifications (SOQ) outlining our team, experience, and preliminary ideas. We believe that our experience with MET pipelines, including our work with their staff to evaluate pipeline isolation, hydraulics, and water quality maintenance issues will be valuable to your studies. We look forward to discussing our ideas with you in more detail.

INTRODUCTION

MWDOC is spearheading the Orange County Water Reliability Study to evaluate the county’s current and future water demands and supplies and to “test” portfolios of projects for improving the reliability of supplies for the future. As part of this effort, three Orange County projects are being considered that would potentially benefit from allowing alternative sources of water to be conveyed in the East Orange County Feeder No. 2 (EOCF#2), of which MWDOC is the principal owner, or other pipelines. Your RFQ identifies three potential projects, summarizes MWDOC’s preliminary discussions with MET, and lists several specific areas in which you are seeking assistance from a consulting engineering firm. As clearly stated in the RFQ, the discussions with MET are in the very early stages, and MWDOC is expecting input and advice to be provided at a conceptual level at this point in time. If and when negotiations with MET advance, MWDOC envisions requiring more detailed analysis and cost estimating.

Black & Veatch is well suited to provide the conceptual assistance you are currently seeking and to proceed with more detailed engineering as required. We have a global workforce 10,000 strong, and we have been a strong California presence for over 30 years. Our connected work platforms allow us to manage projects locally, while seamlessly involving global specialists at key project milestones. Of particular benefit is our experience with MET on numerous pipeline and pump station projects. We bring deep understanding of the MET organization, including having collaborated with their experts on matters related to water quality maintenance, isolation and hydraulic control, and overall system hydraulics.

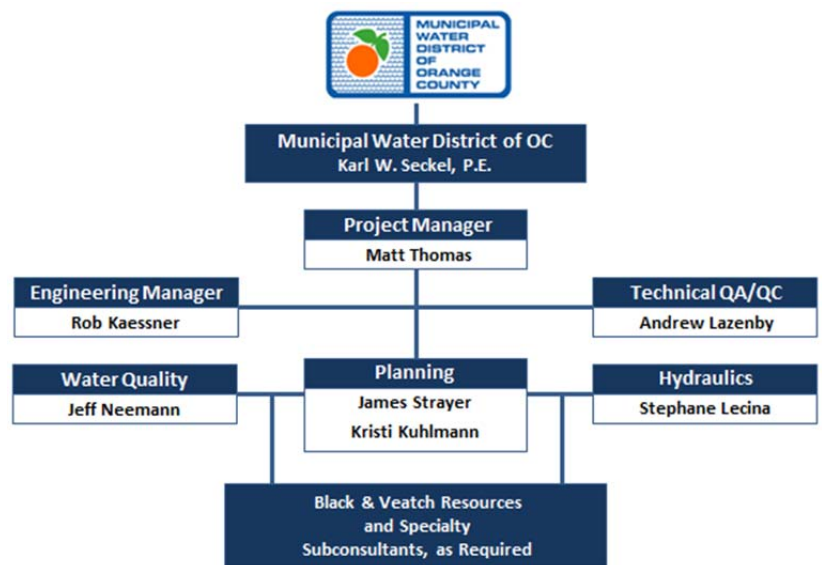
Our experience and relationships with the MET staff will help to identify and develop alternatives that MET would find acceptable.

The discussion that follows is organized in accordance with the requirements of your e-mail and attachments provided on February 23, 2016.

PROJECT ORGANIZATION AND KEY PERSONNEL

For the past 100 years, Black & Veatch has been a leading global engineering, consulting, and construction company specializing in infrastructure development of water, energy, and telecommunication systems. Pipeline planning and design is a specialty; within the last three decades alone, Black & Veatch has designed more than 20 million linear feet of pipelines across the United States.

For the first phase of MWDOC's project, we propose a lean but strong core team extremely well suited to undertake the initially-envisioned work. When the project evolves, our core team will be supplemented by additional B&V resources and specialty subconsultants. As demonstrated by the brief team member profiles below, our core team is California-based and has extensive experience working with MWDOC, MET and other Southern California agencies and with each other. This strong combination of skills ensures that we will work with you seamlessly to develop innovative, defensible ideas and complete tasks on schedule and on budget.



Matt Thomas, P.E., Project Manager. I am based in the Irvine Office and have 25 years of experience focusing on the planning, design, permitting, and operations review of major municipal water supply, conveyance, and storage facilities. I have worked on projects that have a direct bearing on your proposed project MET's Second Lower Feeder(SLF) PCCP Rehabilitation Preliminary Design. On the latter project, my responsibilities included planning and detailed design for replacement of all isolation valves and flowmeters within the SLF and development of contract packaging, which included developing strategies for shutdown, isolations, and water quality maintenance in the SLF while it is relined. As a result, I have understanding of MET's organization, experts, and operational priorities, all of which will be helpful toward developing solutions that are accepted by MET's team while enhancing the feasibility of the proposed south Orange County water supply projects. I look forward to working with MWDOC on your proposed project. My goal as your project manager will be to communicate across all project disciplines and with client stakeholders, bringing clarity of understanding and coordination of effort to assure the project team is meeting and exceeding your expectations.

Rob Kaessner, P.E., Engineering Manager. Rob works with me in our Irvine Office. He has 14 years of experience and is currently the Engineering Manager of the City of Tustin's OC-43 Vault Replacement Project, which involves coordination with MET, MWDOC, and the East Orange County

Water District on hydraulics and facility design requirements. Other recent experience includes MET's SLF Rehabilitation, where Rob coordinated preliminary design activities for rehabilitating the pipeline segment within various jurisdictions in Orange County. Rob also helped develop the Ocean Water Desalination Technical Memorandum, prepared as part of the Seven Colorado River Basin States' Colorado River System Long-Term Augmentation Plan. His technical evaluation established budgetary costs for ocean water collection, RO treatment, and conveyance facilities at capacities ranging from 20 through 80 mgd. For MWDOC's project, Rob will direct the technical evaluations and support me in managing schedule and budget.

Andrew Lazenby, P.E., QA/QC. Andrew, who has 18 years of experience, also is based in Irvine. He is an expert in the treatment and conveyance of State Water Project supplies, Colorado River water, and local surface water sources. In addition, he has been involved in the design of Southern California groundwater treatment facilities and brackish water and seawater desalination projects. He worked on MET's SLF Rehabilitation and is currently managing the Greg Avenue Pressure Control Structure Modifications Project which is part of MET's Drought Response Program. He also worked with Rob on the Seven States Ocean Water Desalination TM Option Team. Andrew will review project progress at specific milestones and participate in meetings and workshops as required.

Jeff Neemann, Water Quality. Jeff, who is relocating to the Irvine Office, has 18 years of experience and specializes in the development and application of advanced water treatment technologies. He also has been instrumental in the development and implementation of Black & Veatch's Smart Integrated Infrastructure (SII) planning tool for the water industry, including SII's Smart Analytics Solutions and Smart Analytics Monitoring & Diagnostics Center. Jeff's Southern California experience includes projects for the Cucamonga Valley Water District, Orange County Water District, Castaic Lake Water Agency, West San Bernardino County Water District, and the City of Downey. Jeff's role on the project will be to provide water quality expertise as it relates to new supply integration and chlorine/chloramine booster stations. He will work closely with MWDOC's consultant, Means Consulting.

James Strayer, P.E., Planning. James, based in our San Diego Office, has 23 years of experience. As the leader of Black & Veatch's Infrastructure Planning Department, James' role on projects spans management, technical oversight, and direct project support. He was a Technical Advisor on the San Diego County Water Authority's 2014 Regional Water Facilities Optimization and Master Plan and managed the City of San Diego's Recycled Water Study and the City of Fountain Valley's Water System Master Plan Update. Prior to joining Black & Veatch in 2009, James was Project Manager and Lead Engineer for the planning of the Anaheim Reuse Demonstration Project, where he worked closely with the City's planning, design, environmental, legal, and survey groups. James will provide overall guidance on the planning tasks for the current project.

Kristi Kuhlmann, P.E., Planning. Kristi, located in our Irvine Office, has 14 years of experience and specializes in water resources facility planning, design, and construction. She was a Task Leader on MET's SLF Rehabilitation, working with Rob on coordinating with various jurisdictions in Orange County, and was Project Engineer on MET's Etiwanda Pipeline Repair Precedent Report and their Chino Basin Dry-Year Yield Program Expansion Project. She also has experience with other agencies likely to be involved with MWDOC's project including Orange County Water District (Fletcher Basin Project) and the City of Anaheim (Walnut Canyon Reservoir feasibility study, design, and construction support). She will assist James in evaluating planning issues.

Stephane Lecina, P.E., Hydraulics. Based in B&V's Sacramento Office, Stephane has 17 years of experience and specializes in hydraulic design and transient and surge analyses. Stephane

performed significant hydraulics analyses on the Delta Habitat Conservation and Conveyance Program (DHCCP), some of the work for MET and some for the California Department of Water Resources (DWR). He was the Project Engineer for a Burris Pit Pumping Station Transient Analysis for OCWD and for two projects associated with Calleguas Municipal Water District's Salinity Management Project: (1) an evaluation of system curves and hydraulic profiles of the proposed gravity brine line transferring brackish water from 14 facilities to the ocean outfall and (2) subsequent analysis of the hydraulic control system for the gravity pipeline. Stephane will take the lead on the initial hydraulics tasks and, as the project moves forward, will work with specialty subconsultants.

RECENT, RELEVANT EXPERIENCE

MWDOC has prequalified recipients of your RFQ and has indicated that a discussion of experience is not required. However, Black & Veatch has recent, relevant experience that may not have been covered during the prequalification process. The narrative below provides a brief summary of these assignments for your consideration:

- Recent MET projects. As indicated above, the majority of the core team has worked on projects for MET and understands the agency's system, staff, and operations. On the SLF, we worked with staff members from throughout MET's organization, as well as with many of the jurisdictions likely to be involved with your proposed project. As noted above, I worked with MET specifically on development of construction phasing strategies while keeping their overall system in operation during construction of the SLF. Those evaluations included collaboration with MET staff to develop water quality maintenance strategies, system isolation, system hydraulics and hydraulic controls, and pipe relining constructability analyses. On the Greg Avenue Pressure Control Structure Modifications Project, we are working closely with MET's engineering, equipment, design, water supply operations, and hydraulics groups to review existing and reverse flow options to maximize availability of Colorado River water during periods of State Water Project delivery curtailments.
- City of Tustin OC-43 Vault Replacement Project. Andrew Lazenby and Rob Kaessner are, respectively, the Project Manager and Engineering Manager, for the engineering detailed design phase services for a precast vault, distribution piping, pressure control valve, and street improvements. The turnout receives MET water through EOCF#2.
- Orange County Water District. Black & Veatch provided design and construction support services for the recently-completed, award-winning Groundwater Replenishment System (GWRS) Initial Expansion and has worked with the District on the Fletcher Basin and other projects. As part of B&V's on-going collaboration with OCWD, Kristi Kuhlmann regularly attends District Board Meetings and has held discussions with staff regarding their options for distribution of desalinated water within the region.

ELEMENTS OF WORK

We have reviewed your RFQ and potential elements of work and have summarized key considerations and our approach to complete the work in the table below. We recommend that we discuss these work areas with you to further understand short-term objectives and to determine a specific scope of work for Task Order No. 1.

Potential Scope	Considerations	Approach and Basis
<i>Examine options and costs for segregating reaches of the EOCF#2</i>	<ul style="list-style-type: none"> Member and retail agency downtime during construction Dewatering provisions Residual compliance Facility location and components 	<ul style="list-style-type: none"> Use recent MET SLF Project experience to plan construction packaging and reach isolation
<i>Review issues and operation of chlorine/chloramine boost facilities to maintain higher chloramine residual</i>	<ul style="list-style-type: none"> Ability to flow pace and adjust dose depending on water quality conditions. Right sized storage – Consider deliveries and NaOCl degradation in storage selection. 	<ul style="list-style-type: none"> Configure simple feed systems. As boost sites can be remote, use simple, automated systems that run continuously without the need to be frequently maintained Manage unintended consequences – conduct simple bench tests to determine potential impact on DBP formation and Stage 2 D/DBPR compliance
<i>Examine potential emergency outage situations</i>	<ul style="list-style-type: none"> Evaluate system transient potential with closure of valves or pump shutoff Consider bypass and alternate connection options 	<ul style="list-style-type: none"> Evaluate consequences of power outage and consider use of backup power sources, if necessary
<i>Evaluate revised system operations, including reverse flow implications on hydraulics, demand, and pressure</i>	<ul style="list-style-type: none"> Review existing pipelines material and pressure class, develop strategy for reversing HGL in pipeline. Review retail agency pressure requirements Consider retail agency demands at far end of system 	<ul style="list-style-type: none"> Follow similar sequence used to conduct capacity evaluation for the MET Greg Ave Pressure Control Structure Consider feasibility and options for reversing flow, building upon experience of MET Greg Ave PCS, SLF, and drought response projects
<i>Provide conceptual cost estimating for large diameter pipeline construction</i>	<ul style="list-style-type: none"> Consider urban and high-density construction Consider utilities and traffic coordination Review and identify environmental factors 	<ul style="list-style-type: none"> Build from MET project cost estimating experience, including SLF, Greg Ave, and the Rialto Pipeline Sectionalizing Structures projects Obtain cost & constructability input from pipe manufacturers
<i>Outline surge protection requirements</i>	<ul style="list-style-type: none"> Evaluate potential sources of transients Consider surge tanks, PRVs and timed equipment closures/shutoff 	<ul style="list-style-type: none"> Develop concept scenarios and coordinate surge/transient potential with MET hydraulics modeling team and other available sources

Potential Scope	Considerations	Approach and Basis
<i>Provide water quality expertise relating to water stability for integration of new water sources</i>	<ul style="list-style-type: none"> Evaluate water stability of blending new water supplies Consider corrosion potential and DBP formation 	<ul style="list-style-type: none"> Consider instrumentation for monitoring of chlorine, chloramines, free ammonia and pH to make sure residuals and ratios of ammonia are maintained Monitor for microbial activity to determine target chloramine concentration for optimal control of potential biofilm formation and nitrification Collaborate with Ed Means and MWD staff to determine potential strategies for blended supplies.

BILLING RATE INFORMATION

As requested in your RFQ, a summary of our Team's 2016/2017 billing rates is provided in the table below.

Personnel Classifications	2016/2017 Billing Rate
Project Director/Vice President	\$250-300
Project Manager 1-3	\$200-250
Engineer 6-7	\$190-250
Engineer 4-5	\$135-185
Engineer 1-3	\$100-130
Engineering Technician 5-8	\$110-165
Engineering Technician 2-4	\$90-110
Word Processing Specialist*	\$90-110
Clerical and Finance*	\$90-110
Project Support Assistant*	\$90-110

- (1) Subconsultants will be billed at cost plus 5%.
- (2) An \$8.75 hourly surcharge will be added to the rates indicated above to cover basic computer charges, minor reproduction fees, long distance telephone charges, car mileage for company-owned vehicles and postage rates.
- (3) Other Direct Charges will be billed at cost. Allowable Other Direct Charges include the following:
 - Travel (transportation fares/tickets, vehicle rental & Fuel, lodging, meals, parking, tolls, IRS-approved mileage)
 - Delivery (courier, FEDEX/UPS/Express mail, US mail)
 - Major deliverable reproduction (photocopy, printing)
 - Field equipment and miscellaneous supplies
 - Temporary labor

CONFLICT OF INTEREST

Black & Veatch has been a successful company for more than 100 years. We carefully consider each project we undertake to ensure there is no conflict of interest. We are confident that MWDOC's proposed project poses no known or potential conflicts with other agencies or projects.

STANDARD CONSULTING AGREEMENT

During our 30 years in California, Black & Veatch has negotiated contracts with some of the State's most prestigious agencies. We anticipate no difficulties in the negotiation of a contract with MWDOC. If possible, we ask that the following revision to the Insurance Requirements section of Standard Consulting Agreement be considered:

- *Article VI.B requires that the Professional Liability policy includes a provision that requires the insurer to provide 30 days notice of cancelation to the District. Similarly Article VI. C states that CGL, auto, worker's compensation and employer's liability will contain similar clauses. Our insurance policies do not contain this provision. We request that this language be struck or modified to state that Black & Veatch will endeavor to provide thirty days notice of any cancellation.*

SUMMARY

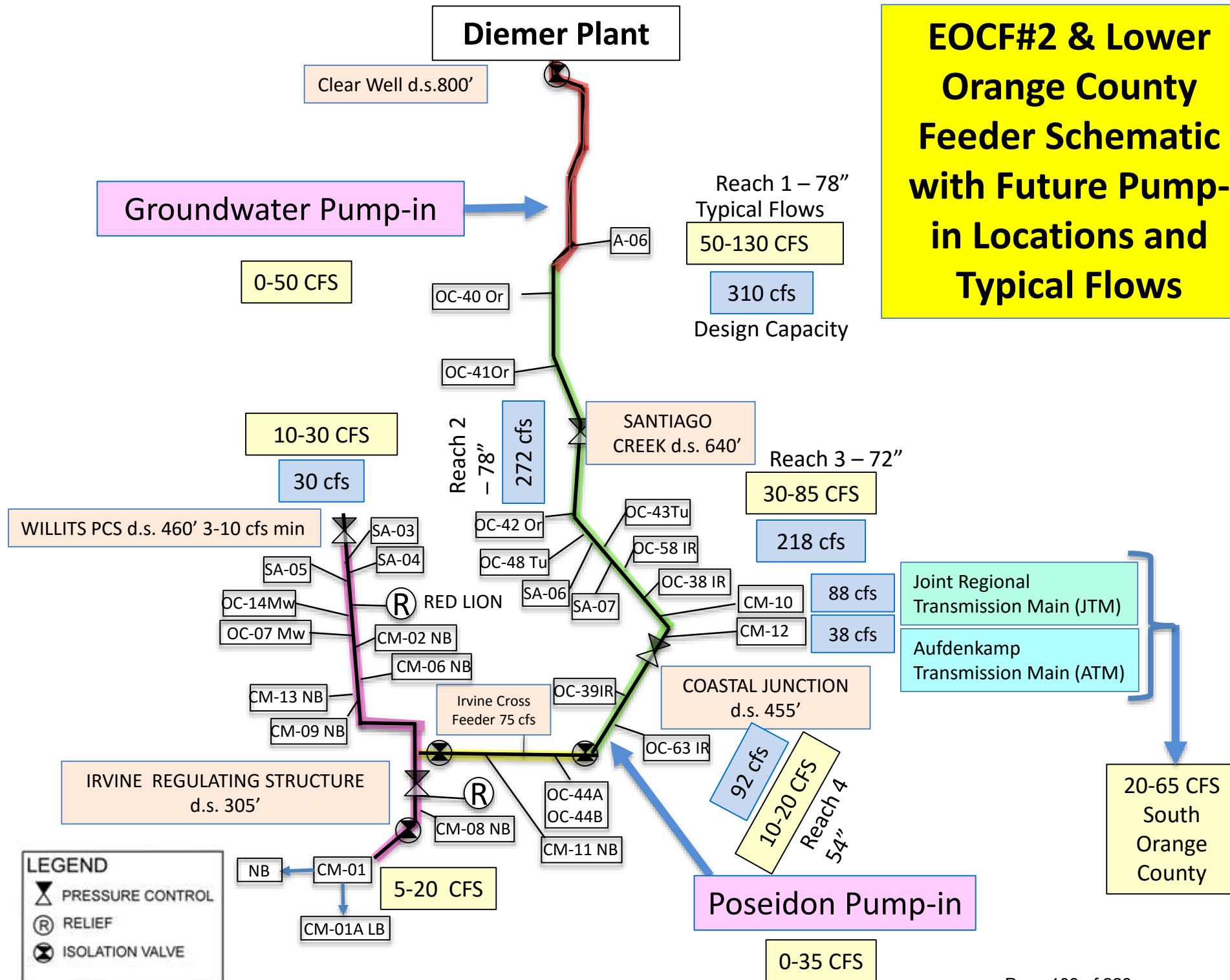
Black & Veatch looks forward to an opportunity to work with MWDOC. Our core team is available to start this project immediately. If you have any questions, do not hesitate to contact me at 949-788-4250.

Yours truly,
BLACK & VEATCH CORPORATION

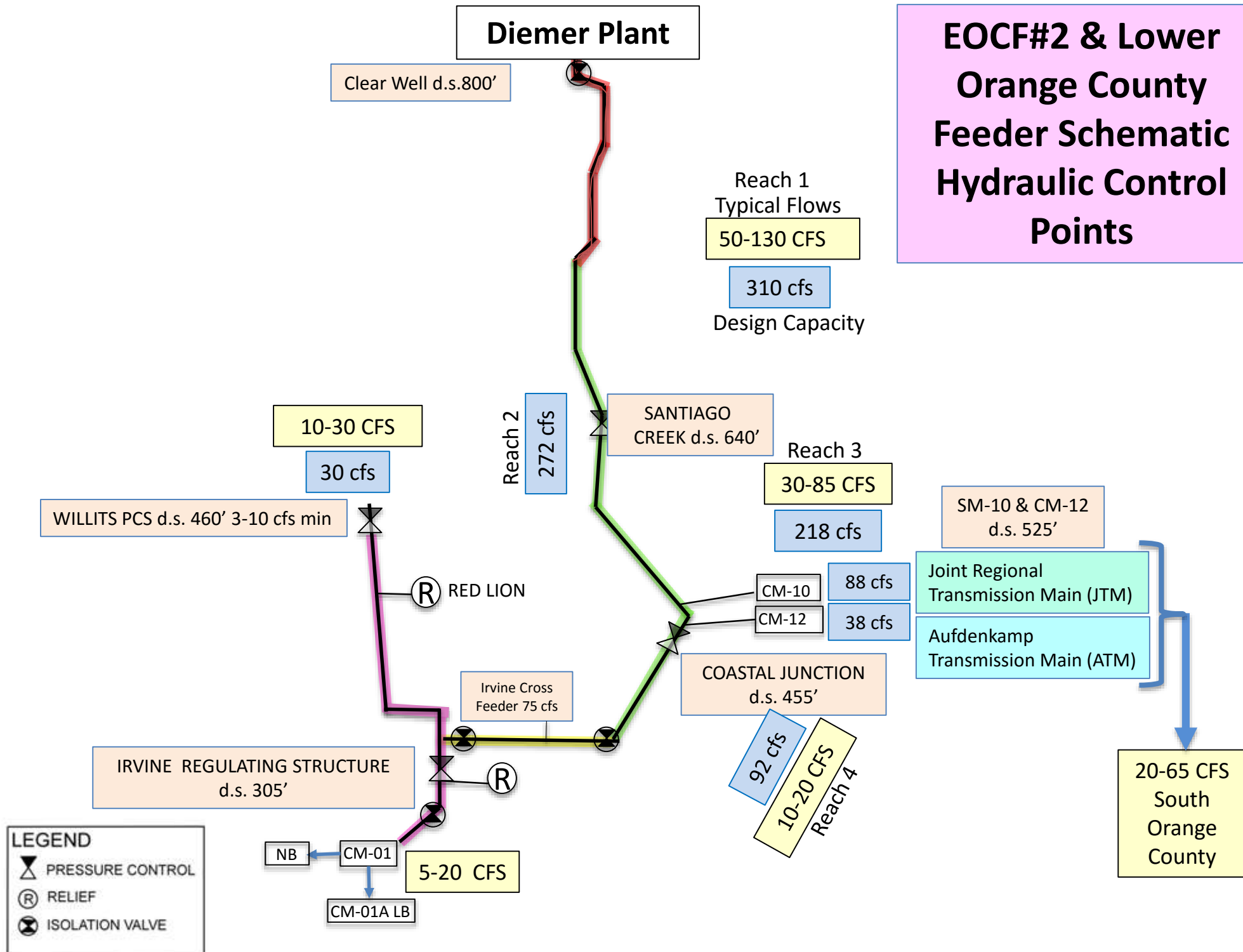
A handwritten signature in blue ink that reads "Matt Thomas". The signature is fluid and cursive, with the first name "Matt" and last name "Thomas" clearly distinguishable.

Matt Thomas, P.E.
Project Manager

EOCF#2 & Lower Orange County Feeder Schematic with Future Pump-in Locations and Typical Flows

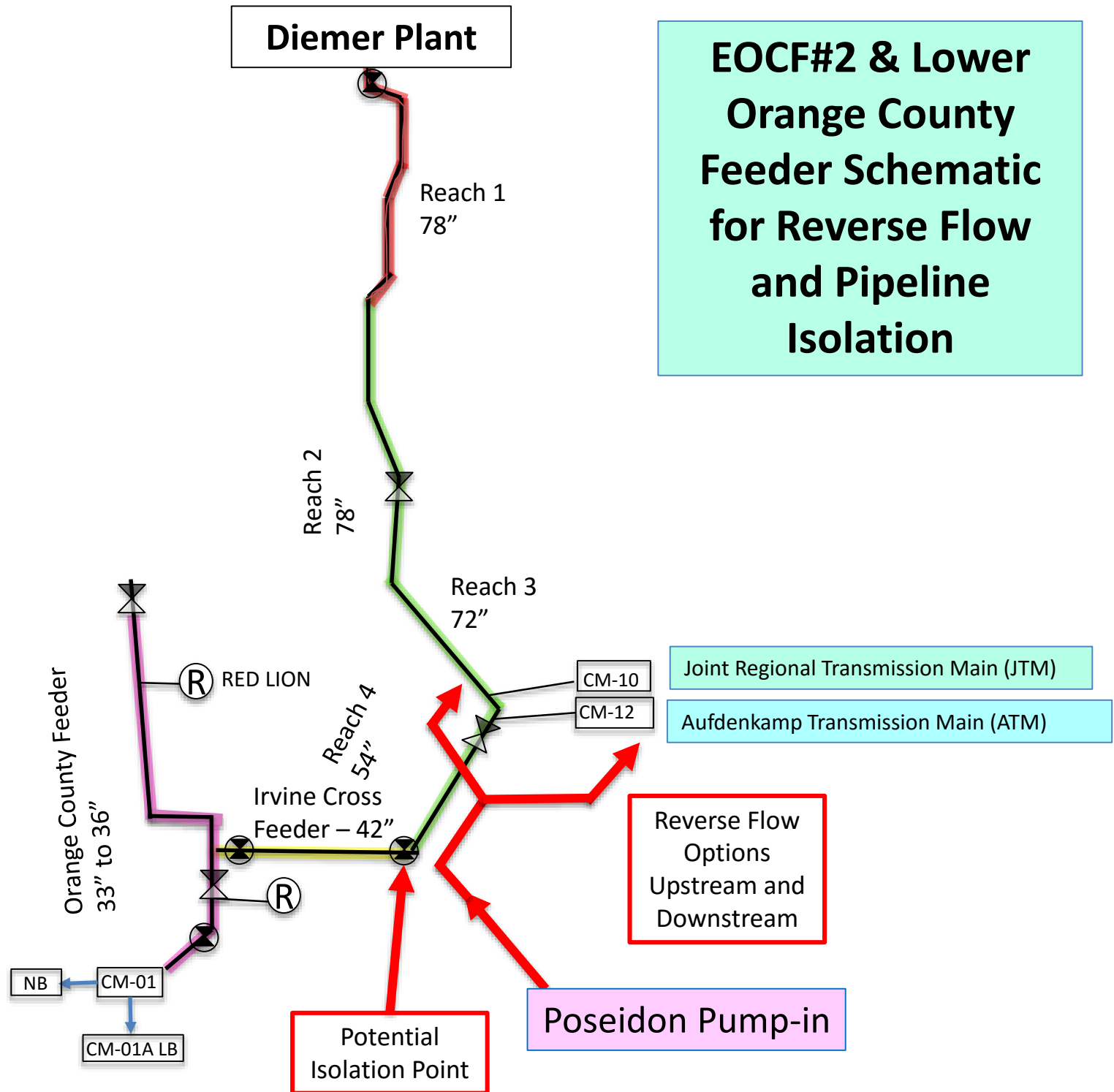
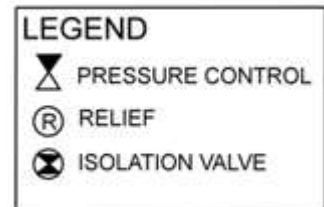


EOCF#2 & Lower Orange County Feeder Schematic Hydraulic Control Points



Diemer Plant

EOCF#2 & Lower Orange County Feeder Schematic for Reverse Flow and Pipeline Isolation





CONSENT CALENDAR ITEM

April 20, 2016

TO: Board of Directors

FROM: **Planning & Operations Committee**
(Directors Dick, Hinman, Finnegan)

Robert J. Hunter
General Manager

Staff Contact: Harvey De La Torre

SUBJECT: MWDOC's 2015 Urban Water Management Plan Notice of a Public Hearing on May 18, 2016

STAFF RECOMMENDATION

Staff recommends the Board of Directors establish May 18, 2016 as the public hearing date for Municipal Water District of Orange County's 2015 Urban Water Management Plan.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

REPORT

Pursuant to the Urban Water Management Planning Act, each water supplier that is submitting an update 2015 Urban Water Management Plan with the Department of Water Resources must conduct a public hearing. To comply with this requirement, MWDOC is announcing to hold a public hearing on May 18, 2016 on its 2015 Urban Water Management Plan.

Budgeted (Y/N): N	Budgeted amount: N/A
Action item amount: N/A	Line item:
Fiscal Impact (explain if unbudgeted):	



CONSENT CALENDAR ITEM

April 20, 2016

TO: Board of Directors

FROM: **Administration & Finance Committee**
(Directors Thomas, Barbre, Finnegan)

Robert J. Hunter, General Manager

Staff Contact: Pat Meszaros

SUBJECT: AUTHORIZE ATTENDANCE AT OCBC LEGISLATIVE TRIP, MAY 23-24, 2016, WASHINGTON, DC

STAFF RECOMMENDATION

It is recommended that the Board of Directors authorize attendance by the Board of Directors, and staff as approved by the General Manager.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

SUMMARY

The Orange County Business Council hosts the annual trip to D.C. to help make the voice of business heard and advance Orange County's competitive advantage. The trip includes meetings with lawmakers, members of the administration, and other decision makers on business issues such as economic development, education, housing, transportation and water. Participants include representatives from some of Orange County's leading companies.

For OCBC members, the rate is \$1,785 which includes hotel, meals, materials and sessions.

Director Barbre and Heather Baez have expressed an interest in attending.

Budgeted (Y/N): No	Budgeted amount: NA	Core X	Choice __
Action item amount: \$1,785/person		Line item:	
Fiscal Impact (explain if unbudgeted):			



ADVOCACY TRIP

WASHINGTON D.C. • MAY 23-25

Help OCBC make the voice of business heard and advance Orange County's competitive advantage by joining the annual One Voice, Two Capitols advocacy trip to Washington, D.C.

Meet with lawmakers, members of the administration, and other decision makers on business issues such as economic development, education, housing, transportation and water. Participants include representatives from some of Orange County's leading companies.

**REGISTRATION WILL CLOSE ON FRIDAY, APRIL 15, 2016, OR WHEN TRIP SPACE IS SOLD OUT.
EMAIL SABRA RITTER, EVENTS DIRECTOR, AT SRITTER@OCBC.ORG TO REGISTER.**

Learn More!



High-level meetings with Obama administration and congressional leadership to advocate for OC's legislative priorities.



Accommodations at an ideally located and luxurious hotel, meals, materials and sessions included in cost.



Unparalleled networking opportunities with business and elected leaders.

For info on advocacy and sponsorships, contact Bryan Starr,
Senior Vice President, Government Affairs, at 949.794.7210 or bstarr@ocbc.org.
For info on trip details, contact Sabra Ritter, Events Director, at 949.794.7241 or sritter@ocbc.org.

**[CLICK HERE](#)
if you are having trouble viewing this flier.**

**Join the Leading Voice of Business Today!
www.ocbc.org**



ADVOCACY TRIP WASHINGTON, DC

MAY 23-25, 2016 | W WASHINGTON, D.C.

Registration Form

Name		Company	
Email	Work Phone #	Cell Phone #	
Billing Address		City/State/Zip	

Washington, D.C. Program Rates

Please check appropriate boxes:

☐ OCBC Member

(includes: hotel, meals, materials and sessions)**

Per Person

\$1,785.00

☐ Non-Member

(includes: hotel, meals, materials and sessions)**

\$2,000.00

TOTAL

Method of Payment:

☐ Check

☐ VISA

☐ M.C

☐ Amex

Credit Card # _____

Exp. Date: _____ 3 or 4 Digit Code: _____

Auth. Sig. _____

*Credit card info is only accepted via phone, fax or mail. **PLEASE DO NOT EMAIL FORMS.**



Issues to be Discussed:

- Economic Recovery
- Education
- Energy & Environment
- Health Care
- Housing
- Public Safety
- Transportation/Infrastructure
- Tourism
- Water

** Hotel Information (2 nights, May 23 & 24, 2016):

W Washington D.C.
515 15th Street NW
Washington, D.C. 20008

- > Your reservation for the hotel and trip is not finalized until you receive confirmation from Sabra Ritter.
- > Hotel reservations will be made by OCBC for May 23 & 24, 2016. Additional nights must be booked by trip participants directly with hotel.
- > Participants are responsible for all local ground transportation and flight arrangements.
- > Meals not listed on the schedule are not included.
- > Last day to cancel for full refund is Friday, April 15.

Please complete and submit form by fax to 949.476.9240, or mail to 2 Park Plaza, Suite 100, Irvine, CA 92614.
For more information, contact Sabra Ritter at sritter@ocbc.org or 949.794.7241.

To register online visit www.ocbc.org/events.

DEADLINE: Please register or submit your cancellation no later than Friday, April 15, 2016.



CONSENT CALENDAR ITEM

April 20, 2016

TO: Administration & Finance Committee
(Directors Thomas, Barbre, Finnegan)

FROM: Rob Hunter, General Manager

Staff Contact: Katie Davanaugh
Cathy Harris

SUBJECT: Authorize Purchase of New Copier

STAFF RECOMMENDATION

Staff recommends the Board of Directors authorize the General Manager to purchase a Ricoh Pro C5110 color copier at a cost of \$29,517 (including tax, software, installation and training).

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

DETAILED REPORT

Background:

The lease for the existing Canon copier will expire in August 2016 and the District is required to provide a 90-day notice to end the current lease and return the unit by lease end. This copier is the primary source for black/white copy/scan/print projects for all District staff and produces approximately 35,000 copies per month.

Staff reviewed and analyzed the existing and proposed copy/scan/print needs and met with Ricoh, Xerox and Konica-Minolta representatives to review the criteria and performance expectations, noting that the following factors were considered as priorities:

- Workflow production requirements, including large document management (Board packets, tab production, etc.)
- Scanning capabilities
- Color copy needs

Budgeted (Y/N): N	Budgeted amount: \$	Core X
Action item amount: \$29,517	Line item: 8810 2000 19	
Fiscal Impact (explain if unbudgeted): we will be over budget for Capital Acquisitions but MWDOC's overall expenses are lower than income.		

- Potential for cost savings
- Service response time

Staff attended on-site demonstrations with each of the vendors which included production of a Board packet, as well as review and evaluation of the desktop printing capabilities and other features of each machine.

Cost Comparison:

	Model		# copies	¢ per copy	monthly charges (approx.)
Current	Canon 8095	Maintenance and b/w copies (35,000 copies-month allowance, plus applicable overages)	34,000		284
		Monthly lease payment (48 payment)			509
		Additional cost for color copies on separate color printer	5,000	0.08	400
		Total monthly cost			\$1,193
Proposed	Ricoh C5110	Maintenance and b/w copy (cost per copy basis)	34,000	0.009	306
		Purchase / 48 payments			599
		Color copy cost	5,000	0.04	200
		Total monthly cost			\$1,105

Staff Recommendation:

After reviewing the responses from each vendor and attending the demonstrations, staff is recommending selection of the Ricoh C5110 copier.

**CONSENT CALENDAR ITEM**

April 20, 2016

TO: Board of Directors**FROM:** **Public Affairs & Legislation Committee**
(Directors Barbre, Hinman, and Tamaribuchi)

Robert Hunter, General Manager

Staff Contact: Heather Baez

SUBJECT: TRAVEL TO WASHINGTON D.C. TO COVER FEDERAL INITIATIVES**STAFF RECOMMENDATION**

Staff recommends the Board of Directors receives and files the report.

COMMITTEE RECOMMENDATIONCommittee will review this item on April 18th.**DETAILED REPORT**

For the third quarter of fiscal year 2015-2016, two trips occurred:

- January (Director Barbre & Heather Baez)
- February (Director Barbre – note Heather Baez & Rob Hunter also were in DC in February but that is captured under the ACWA DC Conference, not advocacy.)

Numerous, productive meetings were held with discussions revolving around what Congress and the various Committees will do with respect to specific California drought legislation, the Surface Transportation Bill, a provision added that would allow tax free municipal bond financing to be used with WIFIA Loans; and gathering support for legislation which will encourage permanent water conservation through responsible federal income tax policy by allowing such rebates to occur without our constituents incurring a taxable event – such as a turf removal rebate.

Budgeted (Y/N): Yes	Budgeted amount: \$11,000 for staff, \$8,500 for Board; 2015-2016 Fiscal year expenditure	Core <u>X</u>	Choice __
Action item amount:	Line item:		
Fiscal Impact (explain if unbudgeted): Within projected budget			

FISCAL IMPACT

The following is budgeted for fiscal year 2015/2016 for **staff**:

Washington Legislative Travel - \$11,000

- Total cost for this quarter:
January - \$800

The following is budget for fiscal year 2015/2016 for **board** members:

Washington Legislative Travel - \$8,500

- Total cost for this quarter
January - \$800
February - \$1400

Projecting out for 4th Quarter of fiscal year 2015/2016

- One trip has been scheduled by Director Barbre so far:

April ~ \$900. This advocacy trip will be focused on our continued concern about the passing of California drought legislation, discuss measures that MWDOC has taken to mitigate drought issues and what may be needed in the future, the impact of recent rain events on our water supply, respond to questions that offices may have regarding water issues, discuss changes in the WIFIA loan program, and discuss IRS issues (turf removal program, et al). On federal drought, there will be a renewed effort to try and pass something this year. We will have a shortened legislative year due to the Presidential Campaign Conventions in July and August.

**CONSENT CALENDAR ITEM**

April 20, 2016

TO: Board of Directors**FROM:** **Public Affairs & Legislation Committee**
(Directors Barbre, Hinman, and Tamaribuchi)

Robert Hunter, General Manager

Staff Contact: Heather Baez

SUBJECT: TRAVEL TO SACRAMENTO TO COVER STATE INITIATIVES**STAFF RECOMMENDATION**

Staff recommends the Board of Directors receives and files the report.

COMMITTEE RECOMMENDATIONCommittee will review this item on April 18th.**DETAILED REPORT**

For the third quarter of fiscal year 2015-2016, 3 trips were taken.

- January (Heather Baez)
- February (Heather Baez)
- March (Heather Baez)

FISCAL IMPACT

So far in fiscal year 2015-2016, seven trips have been taken.

Budgeted (Y/N): Yes	Budgeted amount: Sacramento Legislative Advocacy - \$5,000 – 12 trips;	Core <u>X</u>	Choice <u> </u>
Action item amount:		Line item:	
Fiscal Impact (explain if unbudgeted): Currently travel to Sacramento is slightly over budget but our combined total advocacy budget (Sacramento & Washington D.C.) is under budget for the fiscal year.			

The following is budgeted for fiscal year 2015/2016 for **staff**:

Sacramento Legislative Travel - \$5,000

- Total cost for this quarter:

January - \$400

February - \$600

March - \$750 (conferences in area raised hotel prices to \$349/night)

Projecting out for 4th Quarter of fiscal year 2015/2016

- Upcoming trips:

April 29: ACWA State Legislative Committee

May 19-20: ACWA State Legislative Committee & advocacy in advance of the House of Origin deadline

June 10: ACWA State Legislative Committee

We are projected to be slightly over budget for this fiscal year. Some travel days require an overnight stay, as noted above, while others are a one-day trip. This is a correction that will be made when budgeting for fiscal year 2016-2017.



ACTION ITEM

April 20, 2016

TO: Board of Directors

FROM: **Planning & Operations Committee**
(Directors Dick, Hinman, Finnegan)

Robert Hunter
General Manager

Staff Contact: Karl Seckel

SUBJECT: Award Professional Services Contract for Doheny Slant Well and Mobile Test Facility Decommissioning

STAFF RECOMMENDATION

It is recommended that the General Manager be authorized to contract with Geoscience Support Services in the amount of \$185,122 as described in their proposal and based on the revised cost proposal dated April 12, 2016 for the Doheny Slant Well and Mobile Test Facility Decommissioning work. The work is being funded from the 2008 Doheny Desal Project.

COMMITTEE RECOMMENDATION

Committee discussed this item and rather than sending it to another committee, they were supportive of staff completing the item and incorporating it directly into the April 20 Board agenda. The sections below have been rewritten since the P&O Committee version to reflect the overall presentation of this item to the Board.

SUMMARY

MWDOC staff met with the five Doheny Desal Participants in December and obtained concurrence to close out the Doheny Desal Project MWDOC has been managing since

Budgeted (Y/N): Yes	Budgeted amount: \$356,000	Core __	Choice ✓
Action item amount:		Line item: 2008 Doheny Desal	
Fiscal Impact (explain if unbudgeted): The entire project for design, permitting, construction and salvage was estimated at \$356,000. We will not know the entire costs until such time as the project construction bids have been secured. Additional deposits from the Doheny Participants may be necessary. We are working hard to keep the overall costs within the budgeted amount.			

2008 under an agreement with all 5 agencies (South Coast, San Clemente, Laguna Beach CWD, City of San Juan Capistrano and Moulton Niguel WD). The concept agreed to was that MWDOC would utilize funding existing from the Project to decommission the slant well and mobile test facility while complying with all of the permits controlling the work at the site, including from the lease with State Parks and permits from the California Coastal Commission, the State Lands Commissions, the Army Corps of Engineers, the Regional Water Quality Control Board and the Orange County Health Care Agency who oversees well destruction projects in the County. The Doheny Participants, with the exception of South Coast Water District, were not interested in maintaining ownership of any of the facilities and so it was decided that part of the process would be determining a salvage value to dispose of the equipment/materials to bring back value to the Participants and/or to determine a salvage value to be charged to South Coast Water District for the equipment desired (in essence, the salvage value determines a value for South Coast to obtain the equipment or the equipment would be salvaged). To complete the work requires:

- Preparation of plans and specifications for the decommissioning and site restoration work, including compliance with the existing permits (which in many cases requires plans and specs to submit to the permitting entities for review and comment)
- Notice/advertise the decommissioning work and seek public bids
- Award a construction contract
- Monitor the construction work, including having biological monitors and safety inspectors on-site
- Complete the construction contract
- File notice of completion
- Transfer the State Parks Lease to South Coast Water District

MWDOC sent an RFP out to the following engineering, geohydrologists, process specialists and permitting firms to solicit proposals for the decommissioning of the Doheny Slant Well and the Mobile Test Facility. The RFP was also posted to our website. The work requires many facets of work including civil work, well destruction, well inspection and video-logging, preparation of an estimate of salvage value, removal of the mobile test facility and restoration of the site and optional work for inspection of the pump and sampling of biological growth on the well casing. The work also requires close coordination with Doheny State Park and compliance with our existing Lease Agreement. Karl Seckel and Andy Brunhart met directly with the local State Parks staff to discuss our approach; we also conducted a conference call with the regional State Parks staff to discuss the decommissioning work as well as to discuss the ultimate needs of South Coast Water District for implementation of their project. Once the consultant is brought on-board, a kick off meeting will be held directly with the local staff from Doheny State Beach.

A wide mix of firms were contacted including:

- Geoscience Support Services
- GHD
- DDB Engineering, Inc.
- Michael Baker International
- Chambers Group
- Carollo Engineers

- CDM Smith
- SPI
- Dudek
- Richard Slade & Associates
- GTC Geotech

Only one proposal was received and involved teaming from three of the above firms, Geoscience Support Services as the prime, with sub-contracting to Chambers Group and Michael Baker International. Staff believes that only one proposal was received because Geoscience has virtually 100% of the slant well expertise in California, consultants are all very busy at this time, the team of Geoscience and Michael Baker International has done a lot of work together in California and Chambers Group was instrumental in much of the prior permitting/construction compliance for the project, supported by a large amount of work towards permitting by Richard Bell while he was project manager. Richard will be lending his expertise through coordination with Karl Seckel, but will not have the primary permitting responsibility for these efforts – they have been delegated to the consultant.

The proposal from Geoscience, et al, met all of the requested requirements of the RFP solicitation and was well prepared. The only concern from staff and from the Doheny Participants was that the proposal, when combined with prior estimates of the construction work for decommissioning, appears to exceed the \$356,000 that was set aside to complete the work.

For the decommissioning work, MWDOC agreed to notify the five Doheny Desal agencies of the proposed contract costs prior to initiating or awarding any contracts because they are paying for the work through the retained deposit. In the December “close-out” meeting with the Participants, MWDOC advised them that MWDOC would attempt to secure the work at or less than \$356,000, but that if the costs came in higher than the retention amount, we would request additional contributions from the agencies.

Due to the concerns raised, staff held a joint discussion with the Doheny Participants and Geoscience staff to discuss the work. MWDOC staff prepared additional information included in the attached table. Following were the key discussion points:

- Karl Seckel, along with Dennis Williams and Terry Watkins from Geoscience, discussed what had gone into the proposal; Karl Seckel indicated that MWDOC had contacted the major permit holders to seek clarification on the requirements during this project, including the Coastal Commission, State Parks, State Lands Commission and the Army Corps of Engineers. Karl noted that after the RFP was prepared, South Coast had made several decisions that should expedite the project including deciding to leave the monitoring wells in place and taking over the responsibility for them (will increase permitting costs slightly, but will reduce the costs for decommissioning the wells), deciding to leave the discharge diffuser under the rocks at the groin (increases permitting costs slightly, but reduces construction costs) and they determined they do not want any microbial samples from inside the well casing. Karl also noted that a final meeting with State Parks had not been completed as yet, although two general discussions with them have been held (we were waiting on the plans to be prepared for State Parks to review and specify safety requirements and site restoration issues). During the discussion it was noted that video logging of the well was a requirement of the Orange County Health Care

Agency, the agency with jurisdiction over well destructions in Orange County, so that cost item would have to remain.

- The key input received back included:
 - Karl Seckel to inquire whether the State Parks can perform the biomonitoring required during construction at the site. Their fees may be lower than consulting fees.
 - On two salvage issues, the following was suggested:
 - MWDOC had received a request from SDCWA to lease the mobile test facility for 12 months; South Coast has determined they will not need the facility for this time period. Karl Seckel to assist in developing a lease rate and salvage value for South Coast (with assistance from Geoscience) and develop an agreement for SDCWA to relocate the facility to their site (lowers our construction cost for relocation), develop a reasonable lease rate, and require them to deliver the facility back to South Coast at the end of their testing.
 - Geoscience had received a request from Cal Am in Monterey for the pump from the Doheny site. South Coast, at their cost, has requested a forensic analysis of the pump and pump performance and a materials investigation. Karl requested Geoscience to make contact and assist in developing a purchase price for the pump following this investigation.
 - Given that the above two salvage items are the most significant, the need for a Salvage Report may be able to be eliminated from the contract and all other equipment/facilities can simply be included as a contractor bid item to be included as part of the overall work. That will reduce the costs of the Geoscience work.
 - It was suggested that discussions be initiated with the State Parks for their site restoration to determine the costs of such and a method for carrying out the work. It may be less expensive to agree on a dollar amount and provide that to State Parks to restore the site at their convenience and in the form they desire. This would simplify the contracting process. Karl will follow-up.
 - It was suggested that Geoscience talk to contractors to determine if any particular approach to the work on the beach can be expedited or simplified to reduce the overall costs. Contractors can get pretty creative in planning out the work. Geoscience will follow-up.
 - Karl agreed to get back with the Doheny Participants at such time as Geoscience had completed the cost estimate for the work and prior to the time this work is publically bid.
 - Given all of the discussions, Karl indicated he would notify the P&O Committee of the discussions and suggest the Geoscience Proposal be placed on another agenda to proceed with the award on April 20.

Based on the initial follow up work, Geoscience has submitted a lower revised cost proposal based on discussions with the Participants and State Parks; the items reduced include:

- Task 2.1 – Prepare Technical Plans and Specifications – Geoscience reduced the level of effort based on the State Parks allowing us to abandon the existing piping/conduits located in the bike path and based on the South Coast decision to leave the discharge diffuser located under the rocks for future use.
- Task 3.3 – Field Inspection of Removal or Abandonment of Piping Between Test Facility and Well Vault – Geoscience removed all field inspection hours for Michael Baker and Chambers group and reduced GEOSCIENCE project management hours based on a reduced time to be under construction based on the two decisions noted above.
- Task 3.6 -Coordination with SCWD Regarding Outfall Diffuser (i.e., Removal or Permitting for Future use.) – Geoscience removed this task completely based on the South Coast decision to leave the diffuser located under the rocks for future use.

The revised Geoscience proposal is \$185,122. This is a reduction of \$12,781 from the original proposed cost estimate. There may be opportunities to further reduce the costs of the engineering work at the site, but further discussions will be needed. State Parks has qualified staff to conduct the biomonitoring at the site, but they are unable to commit at this time if their staff will be available in September or October. We will query them as we get closer to construction. Also, State Parks is still in the process of specifying how they would like the site restoration to occur; there is the potential to save money in this area as well. If we are successful in negotiating the salvage and lease of the two large equipment items, there will not be a need for the Salvage Report (but some Geoscience staff time will be needed to assist in developing the salvage values).

Recommendation

It is recommended that the General Manager be authorized to contract with Geoscience Support Services in the amount of \$185,122 as described in their proposal and based on the revised cost proposal dated April 12, 2016.

Attached is the Original and Revised proposal from Geoscience.

**Cost Estimate for Doheny Test Slant Well & Mobile Test Facility Decommissioning
Will Be Updated Prior to Award of Construction Contract**

Cost Item	Estimates Used to Develop the Retention Amount ⁽¹⁾	Original Geoscience Cost Proposal PLUS Prior Construction Estimates	REVISED Geoscience Cost Proposal PLUS Prior Construction Estimates
1. Professional Services – Well Destruction + Inspection	\$29k	\$89k	\$77k
2. Professional Services – Removal of Mobile Test Facility (MTF), Beach Vault piping and Diffuser + Inspection	\$25k		
3. Site Restoration & Relocation of MTF	\$40k	\$40k ⁽²⁾	\$40k ⁽²⁾
4. Beach Facilities Removal and Site Restoration (vault, piping and diffuser removal) ⁽⁵⁾	\$125k	\$125k ⁽²⁾	\$125k ⁽²⁾
5. Test Slant Well Pump Removal and Well Destruction	\$57k	\$57k ⁽²⁾	\$57k ⁽²⁾
6. Monitoring Well Destruction	\$11k	Not needed	
Subtotal	\$287	n/a	
Contingency 10%	\$29	n/a	
Project Management & Permitting	\$40k ⁽³⁾	\$93k ⁽⁴⁾	\$93k ⁽⁴⁾
Well Destruction & Salvage Report	Salvage Report Not Anticipated	\$15k	\$15k
Total	\$356k	\$419K	\$407k



Proposal for Professional Services: Removal, Salvage, Destruction, and Site Restoration MWDOC Doheny State Beach Slant Well and Test Facility

MARCH 22, 2016

SECTION 1 – INTRODUCTION

SECTION 2 – PROJECT UNDERSTANDING & APPROACH

SECTION 3 – PROJECT TEAM

SECTION 4 – RELEVANT PROJECT EXPERIENCE

SECTION 5 – SCOPE OF WORK

SECTION 6 – PROPOSED PROJECT SCHEDULE

SECTION 7 – FEE PROPOSAL

GEOSCIENCE

SECTION 1 – INTRODUCTION



GEOSCIENCE Services and Capabilities:

- Pioneering Use of Slant Well Technology for Subsurface Intakes for Desalination
- Production and Monitoring Well Location, Technical Specifications, and Supervision of Construction
- Well Rehabilitation/Troubleshooting/Supervision of Rehabilitation
- Injection Well Design, Supervision of Construction, Troubleshooting
- DWSAP Preparation
- Ground water Management – Evaluation and Planning
- Basin Characterization
- Basin Management Plans
- Artificial Recharge Studies
- Water Supply Issues
- Ground water Resource Assessments
- Ground water Quality Studies and Remediation
- Evaluation of Subsidence due to Ground water Withdrawal
- Beach Well Intake for Desalination Plant Systems
- Water Rights Issues
- Ground water Flow and Solute Transport Modeling (Using MODFLOW, MODPATH, MT3D, SEAWAT, and HSPF among others)
- Ground water Contamination Studies
- Consultant on Legal Issues, Expert Witness

GEOSCIENCE Support Services, Inc., (GEOSCIENCE) is pleased to submit this proposal to provide professional services to the Municipal Water District of Orange County (MWDOC) for the construction management, permits acquisition, and removal of the slant well, test facility and associated appurtenances at Doheny State Beach. GEOSCIENCE will be subcontracting with Michael Baker International to provide engineering support, and with Chambers Group, Inc. for permitting assistance. GEOSCIENCE has both a very strong history with this project, as well as long standing relationships with our sub-consultants. Since 2004, GEOSCIENCE has provided feasibility analysis, design and construction supervision for the slant well and monitoring wells; and since 2002, Chambers Group has provided permitting support for various phases of the slant well construction and testing at Doheny State Beach. GEOSCIENCE and Michael Baker International have worked together successfully for the past two decades on many projects, including the recent drilling and construction of the test slant well for the Monterey Peninsula Water Supply Project.

GEOSCIENCE SUPPORT SERVICES, INC.

GEOSCIENCE is an established groundwater consulting firm specializing in ground water resource planning, development, management, and protection. Through the use of state-of-the-art tools and analytical techniques, backed by proven scientific methodology, GEOSCIENCE continues to maintain its place at the forefront of technology in the area of water well design, ground water modeling, ground water studies, and basin management.

Water well siting, design, construction, testing and rehabilitation are a day-to-day part of business at GEOSCIENCE; over the past three decades, we have gained worldwide recognition for well designs that result in optimal production of high quality water, high efficiency, low sand production, and a long lifetime with minimal maintenance. Our expertise comes from practical experience in the design of more than 1,000 large-diameter, high capacity water wells. In addition, we have pioneered the use of slant well technology for desalination subsurface intakes--first at Doheny State Beach, and currently in Monterey. In addition, GEOSCIENCE, working for South Coast Water District (SCWD), conducted a study for the advancement of slant well technology as well as performed groundwater flow and solute transport modeling for the Doheny Ocean Desalination Project.

GEOSCIENCE is a privately owned California corporation that has been in continuous operation since its establishment in 1978. All GEOSCIENCE projects are directed by Dr. Dennis Williams, who is the President and Founder of the company. Dr. Williams has a Ph.D. in ground water hydrology and over 35 years of experience in ground water related projects. GEOSCIENCE's staff of 30 professionals includes eight State of California Professional Geologists, five Certified Hydrogeologists, one Engineering Geologist, and one State of California Professional Engineer.

In addition, GEOSCIENCE is a certified Small Business Enterprise with the State of California and the Metropolitan Water District of Southern California. Our approach to this project, as outlined in this proposal, is based on knowledge gained over decades of experience in water well design and construction, as well as our experience directly with the Doheny State Beach slant well.

GEOSCIENCE and its clients have been recognized for the following:

- ▼ 2013 ASCE Award for Project of Merit for the Irvine Ranch Water District Wells 21 and 22 Desalter Project.
- ▼ 2010 ASCE Award for Outstanding Project of the Year for the San Pasqual Temporary Desalination Facility.
- ▼ 2008 National Ground Water Association's Outstanding Ground Water Project Award for the Beaumont Cherry Valley Water District Recharge and Recreation Facility Project.
- ▼ 2004 Research Achievement Award from the California Water Environment Association (Desert and Mountain Section) for the pilot scale artificial recharge testing of the Big Bear Area Regional Wastewater Agency's Recycled Water Artificial Recharge and Recovery Study.

MICHAEL BAKER INTERNATIONAL

Michael Baker offers the experienced, proven track record and multi-disciplinary approach necessary to meet the unique challenges of water projects, from initial feasibility studies through conceptual design development, pilot and demonstration studies, environmental clearance, final design, and construction. With local and nationally recognized expertise in Water Resources, Environmental Services and related disciplines, Michael Baker provides comprehensive planning, scientific, and engineering solutions to a diverse range of water supply projects, including ocean desalination, and related intake and discharge, treatment, conveyance, pumping, storage, treatment, and all related environmental review and regulatory permitting.

CHAMBERS GROUP, INC.

Chambers Group is a trusted leader in the environmental consulting industry and works to protect the environment and its natural resources. Founded in 1978, the company is guided by the principles of the National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA), Clean Water Act, Endangered Species Act, Migratory Bird Treaty Act, National Historic Preservation Act, and other environmental regulations. During the project construction phase, Chambers Group biologists and archaeologists work in the field to ensure that all construction activities comply with federal, state, and local environmental regulations, established mitigation measures, and permit conditions allowing for projects to stay on track with its schedule.

Since 1996, Chambers Group has developed knowledge and experience with the preparation of a coastal development permit, and habitat mitigation and monitoring plan, jurisdictional and wetlands delineation, and biological assessments for several San Juan Creek projects. They provided an initial investigation in support of CEQA permitting for the desalination feasibility study at Dana Point in 2004, and have provided baseline environmental monitoring for the project since 2009.

Chambers Group is headquartered in Santa Ana with offices in Los Angeles, Redlands, San Diego and El Centro. Chambers Group, with access to a wide bench of professionals, provide services in environmental planning; regulatory permitting and agency coordination; aquatic, biological and cultural resources; marine biology; mitigation planning and monitoring; habitat restoration; and Geographic Information Systems (GIS).

IDENTIFICATION OF PROPOSER

Legal Name and Address of Company:	GEOSCIENCE Support Services, Inc. 620 West Arrow Highway, Suite 2000 La Verne, CA 91750 Tel: (909) 451-6650 Fax: (909) 451-6638
Legal Form of Company:	Corporation
Tax Identification Number	95-3200498
Year Established	1978
Contact Person	Dr. Dennis Williams, PG, CHG, President 620 West Arrow Highway, Suite 2000 La Verne, CA 91750 (909) 451-6650, dwilliams@geoscience-water.com
Project Manager	Dr. Dennis Williams, PG, CHG, President
Subconsultants	Michael Baker International 9755 Clairemont Mesa Boulevard San Diego, CA 92124 (858) 614-5032 Chambers Group, Inc. 5 Hutton Centre Drive, Suite 750 Santa Ana, CA 92707 (949) 261-5414
Location of Work	GEOSCIENCE Office in La Verne, CA, Michael Baker Office in San Diego, CA, and Chambers Group office in Santa Ana, CA
Insurance Requirements	GEOSCIENCE is able to meet the insurance requirements as outlined in Attachment A of the RFP.
Exceptions to Services Agreement	None. GEOSCIENCE accepts the Agreement terms and conditions as outlined in Attachment A of the RFP.
Conflicts of Interest	We have reviewed the Ethics Policy provided (Attachment A, Exhibit A), and neither GEOSCIENCE nor its subcontractors has any conflict of interest with MWDOC, SCWD, and/or this project.

SECTION 2 – PROJECT UNDERSTANDING & APPROACH

In 2004, MWDOC began conducting a phased investigation into the feasibility of using subsurface intakes for feed water supply to a proposed desalination plant located at the mouth of San Juan Creek in Dana Point, California. This investigation was made possible by cost sharing provided by the United States Department of the Interior, Bureau of Reclamation, Desalination and Water Purification Research and Development Program with funding provided through the California Department of Water Resources (DWR) Proposition 50 and the Municipal Water District of Orange County. The Slant Well project investigations consisted of three phases:

Phase 1 of the investigation was to obtain site specific information related to the vertical and lateral extent of subsurface aquifer material at the mouth of the San Juan Creek, which included drilling four (4) exploratory boreholes along Doheny State Beach and completing two (2) of these boreholes as nested monitoring wells.

Phase 2 of the investigation took place in 2006 and involved the drilling and construction of the test slant well, designated SL-1, at Doheny State Beach approximately 160 ft southwest of the existing main lifeguard station.

Phase 3 of the investigation began in 2010 and involved the equipping of the test slant well (i.e., pump installation), construction of the discharge piping, construction of the test facility, and performing long term aquifer pumping tests.

GEOSCIENCE, under the overall project management of the firm's principal, Dr. Dennis E. Williams, was responsible for development of the field investigation methodology, design of the test well, inspection of drilling and well construction activities, and all elements in the field testing including calibration and verification of instruments, data collection and analysis, data management, data interpretation, quality assurance/quality control, and subsequent computer modeling of the full scale system. Dr. Mark Williams provided the preliminary design of the discharge facilities and test facility design.



Based on the findings from slant well testing, and from other groundwater modeling work conducted by GEOSCIENCE, a full scale slant well desalination intake system is planned. As such, the test slant well, test facility, and all associated pipelines and infrastructure shall be removed from Doheny State Beach, and the site shall be restored to its original condition. To this end, GEOSCIENCE has assembled a team of highly qualified professionals, who have been involved with the project since inception, to oversee the proper abandonment of all facilities associated with pilot testing the slant well. Figure 1 shows a plan view of the existing slant well, test facility, and appurtenances, which will be removed or abandoned as part of this effort.





DRAWING NOTES:

- 1 SLANT WELLHEAD
- 2 SLANT WELL
- 3 MONITORING WELL (MW-1)
- 4 MONITORING WELL (MW-2)
- 5 OUTFALL DIFFUSER
- 6 COPPER PIPE, PVC DISCHARGE, AND POWER/INSTRUMENT CONDUITS
- 7 TEST FACILITY
- 8 ELECTRICAL POWER SERVICE
- 9 SDG&E TIE-IN
- 10 480 VOLT TRANSFORMER
- 11 ALIGNMENT OF SLANT WELL DISCHARGE PIPELINE
- 12 BIKE PATH ALONG SAN JUAN CREEK
- 13 CONCRETE VAULT, AND VENTURI METER
- 14 PVC INSTRUMENT CONDUIT
- 15 LIFEGUARD HEADQUARTERS

LEGEND:

- TEST SLANT WELLHEAD
- MONITORING WELL

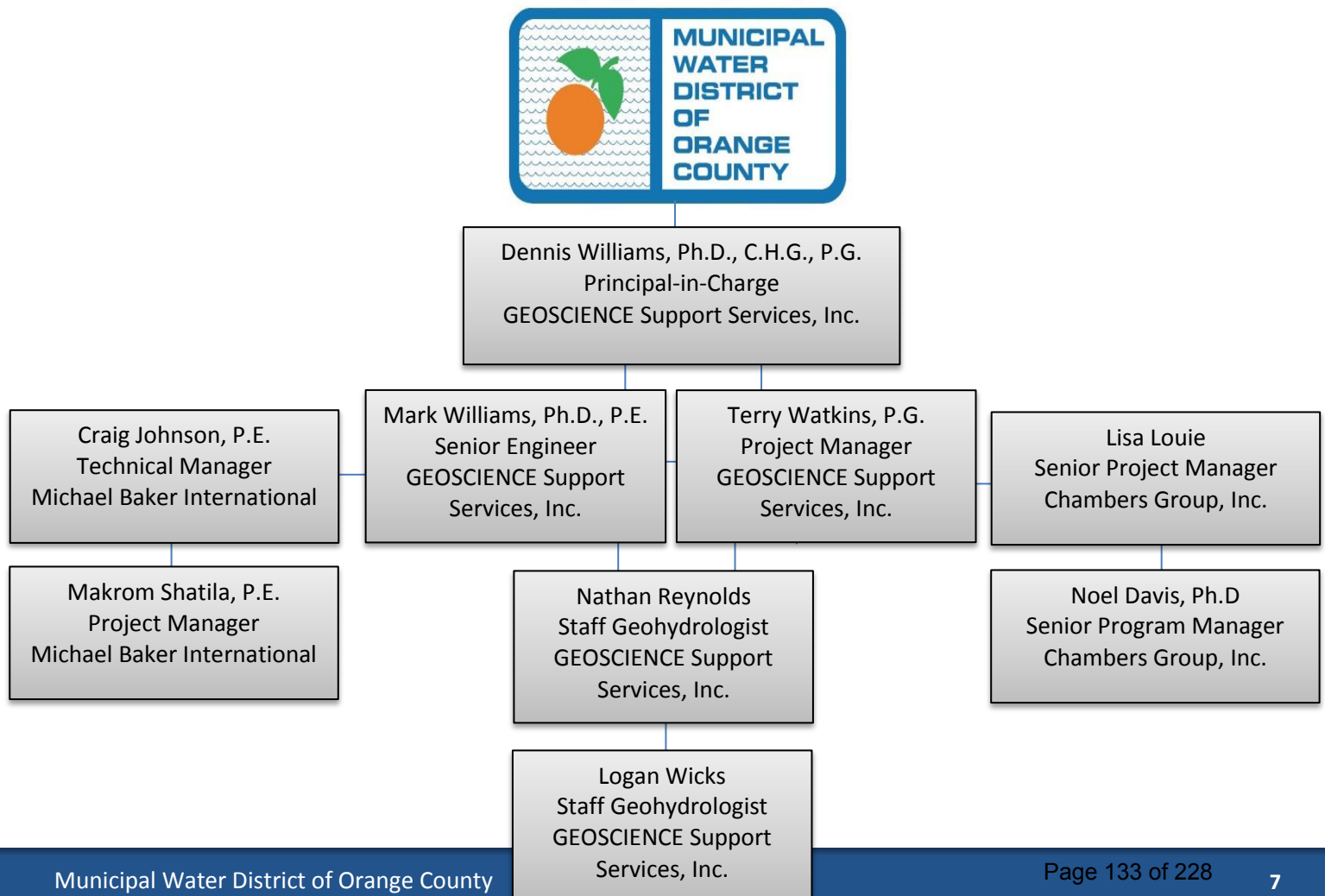


 "SETTING THE STANDARD IN WATER WELL DESIGN SINCE 1978" 909.451.6650 gswater.com				REV.	DATE	BY	DESCRIPTION	SOUTH ORANGE COASTAL OCEAN DESALINATION PROJECT	DATE: 22-MAR-16	FIGURE
				1						
				2						
				3						
				4						
				ENGINEER	DATE		SITE PLAN FOR SLANT WELL TEST FACILITY AND APPURTENANCES	PILOT PLANT TESTING FACILITY	FULL SCALE: 1" = 30	
				HYDROGEOLOGIST	DATE					
									DRAWN: AS	
									DESIGNED: TW	
									CHECKED: MW	

SECTION 3 – PROJECT TEAM

A highly qualified and enthusiastic team, experienced in slant well drilling, slant well construction, permitting, and well abandonment has been assembled to meet MWDOC's goals for removal, salvage, destruction, and site restoration of the test slant well and test facilities at Doheny State Beach. The team will be led by GEOSCIENCE and supported by Michael Baker International and Chambers Group, Inc. With more than 35 years of experience in well siting, design and installation, and rehabilitation, Dr. Dennis Williams will act as the principal-in-charge. Mr. Terry Watkins, a licensed Professional Geologist with more than 13 years experience, and who has worked on all phases of this project since 2004, will be the project manager and day-to-day client contact. Mr. Craig Johnson of Michael Baker, is a California licensed Civil Engineer with 30 years of engineering experience, will take the role of project manager for engineering services related to the removal of the test facility, pipe lines, and electrical power services. Ms. Lisa Louie, will serve as Chambers Group project manager and will oversee all permit acquisition and compliance. Dr. Mark Williams will provide technical support for abandonment of the test facility and the slant well discharge facilities.

An organizational chart for the project team is shown below, and is followed by brief biographical summaries. These key individuals have been selected based on their extensive knowledge of technical issues associated with this project including slant well design, test facility and discharge facility design, and permitting support.. All key personnel are available and committed to providing their services during the entire duration of the proposed work, and shall not be removed or replaced without the prior written concurrence of MWDOC.



Dennis E. Williams, Ph.D., PG, CHG – President



Project Assignment – Principal-In-Charge

Dr. Williams will be the Principal-in-Charge and will have overall responsibility for all technical work. Dr. Williams has active daily contact with all staff.



Years of Experience: 35+
Years with GEOSCIENCE: 37

Education:

B.S., Geology. University of Redlands
M.S., Ground Water Hydrology. New Mexico Institute of Mining and Technology
Ph. D., Hydrology. New Mexico Institute of Mining and Technology

Professional Registrations:

California Professional Geologist (No. 461)
Certified California Hydrogeologist (No. 139)
Certified Ground Water Hydrologist (American Institute of Hydrology) (No. 355)

References:

Mr. Robert Van Valer, President
Roscoe Moss Manufacturing
Company Tel: (323) 263-4111

Mr. Andy Brunhart, P.E.
General Manager
South Coast Water District
Tel: (949) 499-4555, ext. 3160

Mr. Andrew Webster, Chief
Engineer, Rancho California
Water District,
Tel: 951-296-6900

Dennis E. Williams, the founder and president of GEOSCIENCE Support Services, has more than 35 years of experience in ground water hydrology and holds advanced degrees in ground water hydrology. In addition to his consulting experience in the United States, Dr. Williams has been a consultant to the United Nations and several foreign governments, and gained valuable well experience early in his career, personally supervising the construction and design of over 400 large capacity municipal water supply wells while living overseas. He is also a professor at the University of Southern California where, for the past 25 years, he has taught graduate level courses in geohydrology and groundwater modeling. Dr. Williams is a State of California Professional Geologist and Certified Hydrogeologist, and a Certified Ground Water Hydrologist with the American Institute of Hydrology.

Dr. Williams is the author of over 30 publications on ground water and wells and was the principal author of the *Handbook of Ground Water Development* (John Wiley & Sons, 1990). The *Handbook* was awarded Honorable Mention in the Engineering Category of the Fifteenth Annual Awards for Excellence in Professional and Scholarly Publishing by the Association of American Publishers. Dr. Williams was also chief reviewer for the American Society of Civil Engineers (ASCE) *Manual of Water Well Design, Construction, Testing and Maintenance* and primary author for two chapters, *Water Well Construction, and Developing and Testing*, and of Appendix *Example of Water Well System Design* (currently in press). Dr. Williams is a contributor for three entries in the Encyclopedia of Water: “Radial Wells”, “Well Tests”, and “Well Screens” published by John Wiley and Sons. Dr. Williams is a technical consultant to the American Water Works Association (AWWA) Standards Committee for Wells (ANSI/AWWA A100-04).

Dr. Williams pioneered the use of subsurface intakes using slant wells for desalination feed water supply, having designed the first slant wells constructed beneath the ocean at Dana Point and Monterey, California. For over ten years, Dr. Williams has worked on almost all of the subsurface desalination feed water intake system studies in California. For these projects he was primarily responsible for project management, study design, and the design and analysis of the feasibility of the intake systems. Dr. Williams is a recognized expert in the design and analysis of subsurface feed water supply systems and has been the principal or contributing author on several papers published in scientific journals, including Chapter 13 – Slant Well Intake Systems: Design and Construction in the book *Intakes and Outfalls for Seawater Reverse-Osmosis Desalination Facilities* (Springer, 2015). Currently Dr. Williams is working with his clients to use slant wells for inland applications.

Dr. Williams acted as principal-in-charge for the Metropolitan Foundational Actions Funding Program (MFAFP), on behalf of South Coast Water District (SCWD). This work included conducting a study for the advancement of slant well technology as well as groundwater flow and solute transport modeling for the Doheny Ocean Desalination Project. The purpose of this study was to develop and apply advanced geoscience analytical methodologies to answer slant well application questions including the understanding of feedwater quality produced over time from a slant well system, understanding with precision drawdown effects and environmental strategies along coastal reaches, and the behavior of seawater flow and intrusion control in a multiple layered aquifer system.



Mark D. Williams, Ph.D., PE, – Vice President



Project Assignment – Senior Engineer

Dr. Williams will be the Senior Engineer.

Dr. Williams is Vice President and Senior Engineer at GEOSCIENCE. His responsibilities include oversight of engineering portions of GEOSCIENCE projects.

In 2005, Dr. Williams worked in the Process Development Team at the Metropolitan Water District of Southern California where he served as a water process design engineer on a range of drinking water treatment and supply projects. Prior to returning to GEOSCIENCE, Dr. Williams served as president of Williams McCaron, Inc. (WMI), a specialized consulting engineering company whose mission is to provide municipal water utilities and other public agencies with innovative and cost-effective solutions to challenging water treatment problems. He has been involved in a range of projects including providing process design for water treatment facilities, conducting pilot-scale testing for desalination facilities, evaluating options for residual disposal from water processes, and developing designs of economic models for conventional and membrane drinking water treatment.

Years of Experience: 19
Years with GEOSCIENCE: 5

Education:

B.A., Geology,
University of Colorado –
Boulder, 1990
M.S., Civil Engineering
University of Southern
California, 1994
Ph.D., Civil Engineering
University of Southern
California, 2002

Professional Registrations:

California Professional Civil
Engineer (No. 68138)

Selected Relevant Experience:

Dr. Williams has worked on a range of phases of the Doheny Desalination effort. He was involved in providing support for water quality testing during Phase 2 testing. Later, he provided the preliminary design for the discharge facilities as well as the design for the test facility, and provided assistance during the final design of the discharge facilities and during Phase 3 testing of the slant well.



Terry A. Watkins, Jr., PG – Project Geohydrologist



Project Assignment – Project Manager

Mr. Watkins will provide project management for the geohydrologic technical work and will be the day-to-day client contact. He will work closely with Dr. Williams and will be responsible for all technical aspects of the project.

Mr. Watkins has more than 13 years of experience in many different types of projects, including geohydrologic investigations, ground water quality studies, artificial recharge projects, water well test drilling programs, sea water desalination programs, and the management and supervision of water well projects including: siting, design, aquifer pumping test analyses, and well construction.

Years of Experience: 13

Years with GEOSCIENCE: 11

Expertise:

Water Well Siting,
Design, Construction,
Management and
Testing

Ground Water
Hydrology

Water Resource
Management

Water Quality Studies

Education:

B.S., Geology.

California State Polytechnic
University, Pomona,
2003.

Professional Registrations:

California Professional
Geologist (No. 9046)

He has performed well construction management and supervision for tasks such as pilot borehole drilling and reaming, aquifer zone testing, caliper logging, geophysical logging, installation of cement seal, casing inspection and installation, filter pack installation, development by air lift and swabbing, pump development and down-hole video logging. He has also developed technical specifications and provided oversight for many well abandonment projects.

Selected Relevant Experience:

Doheny Beach Test Slant Well

Mr. Watkins served as the field inspector during phase 1 of the initial investigation. His duties included lithologic classification of the test boreholes and field oversight of the construction of monitoring wells 1 and 2. Mr. Watkins also participated in the National Pollutant Discharge Elimination System (NPDES) compliance during the phase 3 pumping test of the test slant well.

Management of Well Drilling, Design, Construction, and Testing Activities

Mr. Watkins has been in charge of project management for well drilling activities. He Coordinates and interfaces with clients, contractors, subcontractors and field staff to facilitate compliance with technical specifications, government regulations, budgetary concerns, and safety requirements. He Provides construction management, prepares well designs based on data collected during the drilling process, provides final pump design recommendations, and summary reports. Types of wells include: high-capacity municipal and industrial water supply wells, test boreholes, monitoring wells, and piezometers using drilling methods such as reverse rotary, mud rotary, air rotary, dual tube, and core drilling. Mr. Watkins is familiar with all stages of the well installation process, including: borehole lithologic logging, inspection and interpretation of geophysical logs, isolated aquifer zone testing, well construction, well development, well testing, water quality sampling, flowmeter surveys, inflatable packer testing, and water quality profile testing. He has experience with the development of drinking water source assessment and protection (DWSAP) documents.

Recent Clients include: West Valley Water District, California Water Service Company, Chino Basin Desalter Authority, Jurupa Community Services District, Southern California Edison, City of Huntington Beach, Imperial Irrigation District, Rancho California Water District.

Craig Johnson, P.E., LEED AP BD+C



Years with Michael Baker:
30

Years with Other Firms: 0

Degrees

B.S., 1986, Civil Engineering,
California State Polytechnic
University, San Luis Obispo

Licenses/Certifications

Professional Engineer - Civil,
California, 1990, 45838

LEED Accredited
Professional BD+C, 2013,
10196362-AP-BD+C

General Qualifications

Mr. Johnson is an experienced civil engineering Project Manager with responsibility for the civil engineering design and construction of more than 100 development projects. During his professional career he has worked on commercial, industrial, educational, residential, resort, and civic developments valued at more than \$1 billion.

Selected Relevant Experience:

Orange County Parks On-Call Design Services, Orange County, California. *Orange County Community Resources.* Project Manager for a three year on-call contract with OC Parks. Task orders have included design services for Irvine Ranch Historic Park Utility Master Plan; Riley Wilderness park erosion control; Modjeska Canyon staging area grading and drainage; addition of public restrooms to Peters Canyon Regional Park; structural upgrades to historical buildings at George Key Ranch Park; Mason Regional Park grading and drainage improvements; Orange County Zoo sewer improvements; and Irvine Ranch Historic Park utility infrastructure design.

Airport Business Center Parking Lot Renovation, Irvine, California. *Irvine Company.* Project Manager. Project Manager for survey, civil engineering, and construction support services for the renovation of two surface parking lots. Work included a demolition plan, pavement rehabilitation plan, grading plan, signage and striping plan, and phasing to allow for sequencing of the work to minimize disruption to office tenants. Michael Baker also worked with the City to obtain permits and provided technical support during construction.

Irvine Ranch Historic Park Utility Infrastructure Project, Orange County, California. *Orange County Community Resources.* Project Manager for civil, mechanical, and plumbing engineering, dry utility coordination, and survey services for the Irvine Ranch Historic Park Utility Infrastructure Project. The project included design of new utilities to serve the buildings, including domestic, fire, and reclaimed water; sewer; electric; telephone; gas; fiber-optic; and drainage. This project was part of a three-year on-call contract.

KIA Motors North American Headquarters, Irvine, California. *Studley.* Project Manager for the design and construction of a 300,000-square-foot two-building campus containing a design center, administrative offices, ramp, facilities, a data center, and a showroom for newly developed vehicles. Services included design for rough grading, precise grading, storm drain, sewer, water, and mapping services, including a lot line adjustment and preparation of legal descriptions for the dedication of on-site utilities to the Irvine Ranch Water District.

Pacific Arts Plaza, Costa Mesa, California. *Maguire Properties.* Project Manager. Project Manager for design, survey, mapping, and construction services for a 827,000 square-foot office building and restaurant development in Costa Mesa.



Lisa P. Louie – Senior Marine Biologist/Permitting Specialist/Project Manager

Project Assignment – Regulatory Permitting Manager

Ms Louie will provide project management for regulatory permitting and agency coordination.

Ms. Louie is experienced in mitigation and monitoring plans and permit applications that include Clean Water Act (CWA) Section 404 (individual and nationwide) permits for United States Army Corps of Engineers, CWA Section 401 water quality certifications for the Regional Water Quality Control Board, Section 1600 streambed alteration agreement applications for the California Department of Fish and Wildlife, coastal development permits for the California Coastal Commission, and essential fish habitat for the National Marine Fisheries Service. Ms. Louie has prepared and provided support for environmental documents in compliance with National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA), as well as integrated NEPA/CEQA documents.

Selected Relevant Experience:

Dana Point Desalination, Environmental Information Document & IS/MND, Municipal Water District of Orange County, Dana Point, Orange County, CA.

Deputy Project Manager. Ms. Louie assisted with the preparation of the Environmental Information Document and the IS/Mitigated Negative Declaration for the pilot-plant testing and water quality testing to measure changes in salinity and other water quality parameters affecting Reverse Osmosis (RO) process performance.

Lower San Juan Creek and Seasonal Coastal Lagoon Baseline Environmental Monitoring, Municipal Water District of Orange County, Dana Point, Orange County, CA.

Project Manager. Ms. Louie is managing the baseline environmental monitoring work for lower San Juan Creek and the seasonal coastal lagoon to support the environmental documentation and permit applications for the Doheny Ocean Desalination Project. She is coordinating with both MWDOC and the South Coast Water District (SCWD). Studies include characterization of the physical environment, surface water and coastal habitat assessment, vegetation studies, and fish surveys.

Cambria Water Supply, EIS, USACE - Los Angeles District (LAD), Cambria, San Luis Obispo County, CA.

Project Manager, Regulatory and Permitting Specialist, Senior Biologist. Ms. Louie managed a joint EIS/EIR to provide the analysis of impacts addressing the issue of water supply, with a focus on desalination. The project was funded by the American Recovery and Reinvestment Act of 2009. The document examined a subsurface intake desalination facility alternative. She also managed the preparation of an Air Conformity Determination, Coastal Consistency Determination, 404(b)(1), NEPA and CEQA notices, and the mitigation monitoring and reporting program, as well as coordination with Federal and State agencies.

San Juan Creek Bike Trail Project, Permits, OCPW, P&D Consultants (AECOM), Dana Point, Orange County, CA.

Permitting Specialist. Ms. Louie assisted OCPW with obtaining a Coastal Development Permit for construction of a concrete flood wall for the San Juan Creek Bike Trail.

Years of Experience: 16

Years with CHAMBERS GROUP: 10

Expertise:

Marine, Estuarine, and Freshwater Environments
Regulatory Permitting (404, 401, 1602, Coastal Development Permits)

Education:

M.S., Marine Science, University of San Diego, 2005
B.S., General Biology, Minor in Theatre, University of California, San Diego, 1999

Training

California Rapid Assessment Method (CRAM) – Southern California Research Project (May 2009)
Wetland Delineation – Wetland Training Institute (August 2007)



Noel Davis, Ph.D. – Senior Program Manager, Principal Marine Biologist

Project Assignment – Regulatory Permitting Specialist

Dr. Davis will provide technical expertise in support of regulatory permitting in the coastal and estuarine environment.

Dr. Davis has more than 35 years of experience in managing estuarine, freshwater, and oceanographic environmental studies. She is responsible for managing the aquatic and marine portions of environmental documents for both onshore and offshore projects. She has more than 25 years of experience in conducting marine studies and is also responsible for wetlands and water quality assessments in conjunction with 404 Permit evaluations and environmental reports.

Selected Relevant Experience:

Doheny State Beach Potential Wells for Desalination, Permitting of Experimental Test Borings, Municipal Water District of Orange County (MWDOC), Dana Point, Orange County, CA.

Marine Biologist. Dr. Davis provided technical support for permitting of test borings on Doheny State Beach to explore the feasibility of beach wells for a proposed ocean desalination project for south Orange County.

Dana Point Desalination Facility, Scoping of California Environmental Quality Act (CEQA) Compliance and Permitting Issues, MWDOC, Dana Point, Orange County, CA.

Project Manager. Dr. Davis conducted a study to investigate major issues and information needed to prepare CEQA documentation and acquire permits to construct an ocean desalination facility for south Orange County in Dana Point. The proposed desalination plant would withdraw water from the ocean near Dana Point and discharge brine back to the ocean either through an existing sewage wastewater outfall or a separate outfall. Major issues included the impacts of entrainment and impingement in the intake on marine life, the impacts of brine discharge on kelp beds and other sensitive marine habitats, and the visual impacts of the plant.

Long Beach Ocean Desalination Project, Study of the Potential Effects of Brine Discharge on Biological Resources of the Lower San Gabriel River and Alamitos Bay, Poseidon Resources Corporation, Long Beach, Los Angeles County, CA.

Marine Biologist. Dr. Davis described the marine resources in the vicinity of the discharge from a proposed desalination project on the Lower San Gabriel River and Alamitos Bay. She evaluated the potential impacts of brine discharge on those marine resources based on a literature survey of the responses of marine organisms to elevated salinity.

Cambria Geotechnical Feasibility, EA/Mitigated Negative Declaration (MND), USACE, Los Angeles District, Sub to Noble Consultants, Cambria, San Luis Obispo County, CA.

Deputy Project Manager. Dr. Davis provided environmental support for issues related to a geotechnical and hydrogeologic investigation at Shamel Creek and Santa Rosa Beaches in Cambria. The purpose of the investigations was to determine if beach wells were a feasible alternative for the intake of seawater for a desalination plant in Cambria.

Years of Experience: 38

**Years with CHAMBERS
GROUP: 38**

Expertise:

Estuarine, Freshwater, and
Oceanographic
Environmental Studies;
Regulatory Permits

Education:

Ph.D., Biological
Oceanography, Scripps
Institution of
Oceanography
(Dissertation Topic:
Studies of the Southern
California Nearshore and
Bottom Community), 1978
B.A., Zoology (magna cum
laude, Phi Beta Kappa,
Highest Honors in Zoology,
Special Undergraduate
Research Award), UCLA,
1970

Certifications

Certified as a Wetlands
Delineator by the U.S.
Army Corps of Engineers
in its Wetlands
Delineator Certification
Demonstration Project,
1994

SECTION 4 – RELEVANT PROJECT EXPERIENCE

GEOSCIENCE has successfully worked with most of the major water districts and municipalities in California and is an industry leader in well design, installation, destruction, and testing. GEOSCIENCE was involved in the design and construction of this project's Doheny test slant well nearly 10 years ago and has since designed and supervised construction of more than 40 deep, large-scale municipal water supply wells, and more than 60 injection, test, monitoring, and irrigation wells. In addition, the GEOSCIENCE staff have provided technical specifications and performed on-site inspection for destruction of numerous large-scale municipal supply wells in a timely and cost-effective manner, and according to California Department of Drinking Water well destruction standards. The following summaries are provided as examples of recent and relevant project experience.



Project: Doheny Ocean Desalination Project

Client: Municipal Water District of Orange County, SCWD

Address: 18700 Ward Street, Fountain Valley, CA 92708

Reference: Mr. Richard Bell

Telephone: (714) 593-5003

Date: 2004-Present



The Doheny Ocean Desalination Project (formerly South Orange Coastal Ocean Desalination Project), consists of a phased study into the feasibility of obtaining a desalination feed water supply from subsurface intakes at Doheny State Beach in Dana Point, California. In 2004, GEOSCIENCE began a multi-phase study on potential subsurface intakes which began with a comprehensive literature review and initial screening of subsurface intakes. GEOSCIENCE located and designed construction of four exploratory boreholes on Doheny beach using the sonic drilling method, two of which were completed as nested monitoring wells. Initial modeling provided further screening of



potential subsurface intakes and the 350 ft long slant well 23 deg. below horizontal was constructed. This well was the first successfully constructed artificially filter packed slant well completed below the ocean floor and produced approximately 3 mgd for two years during pilot testing. To assess the feasibility of this alternative, GEOSCIENCE developed and calibrated a variable density ground water model which incorporated comments from a peer review panel of experts in the field of groundwater modeling, as well as feedback from the San Juan Basin Authority and other agencies. Data from this long term test is currently being used to design the full scale 30 mgd feed water supply consisting of seven 800 ft slant wells and two standby wells. The ground water modeling work determined the potential yield of a slant well intake system, predicted water quality variations with time, and simulated effects on ground water levels in the onshore ground water basin.



Project: Monterey Peninsula Water Supply Project
Client: California American Water Company (Current)

Address: 511 Forest Lodge Road, Suite 100, Pacific Grove, CA 93950
 Reference: Mr. Ian Crooks, P.E., Engineering Manager
 Telephone: 831-236-7014
 Date: 2010-Present



The Monterey Peninsula Water Supply Project is a multi-benefit project that is designed to remediate a local municipal water supply aquifer while contributing to much-needed local water supplies. The project facilities will provide up to 10 mgd of desalinated water supply to northern Monterey County (24 mgd feed water requirement). This includes intake wells and pipelines, distribution pipelines, storage tanks, and pump stations. The project will supply water to meet the immediate regulatory needs of the Monterey Peninsula and the demands of the former Fort Ord. In addition to meeting regulatory requirements for water supply, the desalination project will help reduce and remediate seawater intrusion from overdraft conditions, which is an ongoing water quality issue identified as early as the 1930s.

GEOSCIENCE has been responsible for providing the hydrogeologic characterization of the area, groundwater modeling to develop the aquifer testing program, exploratory drilling and implementation of a testing program to assess baseline conditions and refine the test slant well design. GEOSCIENCE oversaw the construction of the 720 ft test slant well, along with eight monitoring wells; and the project is in a long term (18-24 months) pumping test phase to develop feedwater parameters and evaluate potential impacts to sensitive habitat and inland water resources. An extensive monitoring program has also been designed by GEOSCIENCE which will accompany the long-term pilot testing and develop the baseline to compare potential impacts. The ultimate intent of this phase of the project is to finalize design of the full scale 24 mgd feed water supply system, determine the percentage of ocean water recharge to the feed water supply wells, and quantify potential environmental and on shore impacts to water resources.



Project: City of Riverside Raub Well Relocation Project
Client: RBF Consulting / Hillwood Investment Properties LLC
 Address: 3210 East Guasti Road, Suite 100, Ontario, CA, 91761
 Reference: Mr. Pat Hanify
 Telephone/e-mail: (909) 974-4971, phanify@mbakerintl.com
 Date: 2013-Present



In the interest of developing a large commercial property within the City of San Bernardino, Hillwood was required to relocate two active City of Riverside wells that are currently feeding a ground water treatment plant. This time-critical project involved constructing two new wells prior to destruction of the existing wells, all of which occurred under clear and immovable deadlines on the part of the developer. GEOSCIENCE worked with the developer, the equipping engineer, the City of Riverside, the City's hydrogeologist, and the drilling contractor to accomplish this goal. GEOSCIENCE provided technical specifications, bidding support, construction/destruction management, design, and inspection.

PROJECT RELEVANCE:

- Design, construction, operation and testing of a 100 GPM (feed flow) pilot plant
- NEPA documentation and permitting

KEY TEAM MEMBERS:

Paul Findley, Principal

Mak Shatila, Project Engineer

CLIENT REFERENCE:

Richard Svindland
Vice President Operations
California American Water
(916) 568-4296
Richard.Svindland@
amwater.com

**MONTEREY PENINSULA WATER SUPPLY PROJECT /
MOSS LANDING PILOT PLANT | MONTEREY, CA**

**Michael Baker
INTERNATIONAL**

In order to replace water currently pumped from the Carmel Valley Aquifer with new water supply sources, California American Water (CalAm) is implementing the Monterey Peninsula Water Supply Project (formerly Coastal Water Project), which will ultimately construct a full-scale seawater desalination plant. To investigate the feasibility of desalinating waste cooling water from the Moss Landing Power Plant, and to demonstrate process performance capabilities pursuant to CDPH requirements, a desalination pilot study was conducted. The effort involved the design, construction, operation, and testing of a 100 GPM (feed flow) pilot plant. Michael Baker's pilot plant program management tasks included:

- Providing a review and comments on the design of pilot plant process equipment.
- Factory inspection of pilot plant process equipment.
- Designing and installing water quality monitoring equipment prior to the pilot tests.
- Acquiring necessary permits.
- Designing the civil, structural, mechanical and electrical infrastructure for the pilot.
- Assisting with the procurement of equipment and a construction contractor.
- Providing assistance during installation of the pilot plant.
- Developing cost estimates using vendor quotes and input from contractors.
- Coordinating water quality testing plan.
- Preparing an investigative pilot study plan.
- Monitoring and directing pilot plant operation.
- Receiving and compiling pilot plant data and preparing a final pilot plant report.
- Decommissioning and removal of the facility.





DESALINATION FACILITY

*Municipal Water District of Orange County
Dana Point, Orange County, CA*



Chambers Group provided a study for the Municipal Water District of Orange County (MWDOC) to investigate major issues and obtain the information needed to prepare California Environmental Quality Act (CEQA) documentation and acquire permits to construct an ocean desalination facility for south Orange County in Dana Point. The proposed desalination plant would withdraw water from the ocean near

Dana Point and discharge brine back to the ocean either through an existing sewage wastewater outfall or a separate outfall. Major issues included the impacts of entrainment and impingement in the intake on marine life, the impacts of brine discharge on kelp beds and other sensitive marine habitats, and the visual impacts of the plant. Based on advice from Chambers Group and input from the resource agencies, MWDOC is investigating the feasibility of using a subsurface intake rather than an open ocean intake to withdraw seawater. This approach avoids impacts to marine life and has the support of the California Coastline Commission (CCC) and the resource agencies.

Client: Municipal Water District of Orange County

Contact: Stanley Sprague,
(714) 963-3058

Project Start Date: 3/22/2002

Project Completion Date:
9/1/2002 (Professional Services)

Chambers Group is conducting baseline environmental monitoring work for the lower San Juan Creek and the seasonal coastal lagoon. This work supports the environmental documentation and permit applications for the Doheny Ocean Desalination Project for the Municipal Water District of Orange County (MWDOC) and South Coast Water District (SCWD). The baseline environmental monitoring work would provide the needed data and information for assessment of the coastal lagoon habitat for project impact evaluation for CEQA and subsequent permit applications. The results from the studies provide an improved understanding of the environmental issues relative to the project and groundwater production out of San Juan Basin. Efforts include characterization of the physical environment, surface water and coastal habitat assessment, vegetation studies, and fish surveys.

Client: Municipal Water District of Orange County

Contact: Karl Seckel

Project Start Date: 2/9/2015

Project Completion Date: ongoing

SECTION 5 – SCOPE OF WORK

Figure 1 (page 6 of this proposal) details the components of the slant well and test facility that is currently in place at Doheny Beach. These components consist of:

- | | |
|---------------------------------|----------------------------------|
| 1 - The Existing Slant Wellhead | 6 - Discharge and Conduit Piping |
| 2 - The Existing Slant Well | 7 - The Test Facility |
| 3 - Monitoring Well 1 | 8 - Electrical Power Service |
| 4 - Monitoring Well 2 | 9 - SDG&E Tie-in |
| 5 - The Outfall Diffuser | 10 - 480 Volt Transformer |

The following is our proposed scope of work to destroy and/or remove these items and restore the site to its original condition.

1.0 PROJECT MANAGEMENT AND PERMITTING COMPLIANCE

1.1 Project Management and Review of MWDOC Lease Agreement

GEOSCIENCE will provide project management services during the permitting and construction process to ensure that all aspects of the project are carried out in a proper and efficient manner. Construction management activities will include: review and understanding of MWDOC lease agreement, verification of compliance with permitting agencies, review of contractor submittals, review of contractor invoices to ensure accuracy and completeness, review of and response to contractor Requests for Information (RFIs) and change order requests for legitimacy and subsequent responses, preparation of a final “punch list,” attendance at a final site walk-through, and filing of essential paperwork, correspondence, field notes, etc. Daily email and/or phone updates will be provided along with submittal of relevant photographs.

1.2 Project Kick-Off Meeting and Progress Meetings

GEOSCIENCE recognizes that the success of the project will depend greatly on effective communication among the consultants, MWDOC’s project personnel, SCWD’s project personnel, and the regulatory and permitting agencies. To that end, the primary objective of the project kick-off meeting will be to meet face-to-face with key project individuals from all respective agencies to make sure that everyone understands the intent, objectives, tasks, budgets, schedules, milestones, and deliverables. During the kick-off meeting the individuals who are responsible for implementing each part of the work will be identified to MWDOC/SCWD. Additionally, this meeting provides a forum for discussion of critical path tasks such as permit requirements, and how those tasks can be efficiently expedited.

In addition, the GEOSCIENCE team will prepare for and attend progress meetings, as necessary, with MWDOC personnel and regulatory agencies to discuss project requirements and mile stones. It is assumed that as many as five (5) such meetings will be required throughout the course of the project.

1.3 Bid Support and Pre-Bid Meeting

The GEOSCIENCE team will attend a pre-bid meeting with interested contractors and MWDOC/SCWD personnel at the beginning of the bidding process to discuss key issues in the technical specifications, and to answer all questions regarding site conditions, plan sheets, schedule and other logistical or contractual matters. During the bidding process GEOSCIENCE will assist MWDOC/SCWD by responding to bidder’s questions as they pertain specifically to the construction project. Additionally, GEOSCIENCE will prepare modifications and addenda to the project documents, as necessary. Once the bidding process is complete, GEOSCIENCE will review and evaluate all bids received and will attend a meeting with MWDOC/SCWD to provide recommendations regarding award of the construction contracts.

1.4 Pre-Construction Meeting

The GEOSCIENCE team will attend a pre-construction meeting with the selected contractor and MWDOC/SCWD personnel to review key issues within the contract documents and technical specifications. In addition, questions will be addressed regarding hydrogeologic, engineering, and logistical matters. Items to be discussed at the meeting will include (but not be limited to) required submittals and inspections, permitting, well design details, pipeline and discharge line details, test facility details, work schedule, invoicing, and communication protocols. Additionally, at the time of the pre-construction meeting, the prospective contractor will have the opportunity to visit the well site to satisfy themselves regarding conditions that may affect equipment set up. Potential issues may include site access, location of the water source, electrical and other hazards, location of staging areas, etc. At the time of the meeting, the contractor will have the opportunity to point out any issues that he/she may have regarding preparation of the site for the work.

1.5 Coordinate with SCWD Regarding Future Use of MW's 1 and 2

It is our understanding that one or more of the two existing monitoring wells may be preserved for future use. To that end, GEOSCIENCE will coordinate with SCWD to decide which, if either, of the two existing monitoring wells shall remain. If one or both of the monitoring wells is selected for future use, the GEOSCIENCE team will complete the permitting compliance necessary to convert them from temporary to permanent facilities held in the name of South Coast Water District.

1.6 Permitting Compliance

The GEOSCIENCE team will identify, acquire, and ensure compliance with any and all permits as required by regulatory agencies in order to commence construction activities in September 2016. Regulatory agencies issuing key permits include, but are not limited to:

- California Department of Parks and Recreation
- California State Lands Commission
- California Coastal Commission
- California Department of Fish and Game
- California Regional Water Quality Control Board
- Orange County Health Care Agency
- U.S. Army Corps of Engineers
- National Marine Fisheries Service

The GEOSCIENCE team will prepare the permit applications and/or associated submittals related to existing permits and leases for the project, as appropriate. It is assumed that the project description and engineering drawings will be provided prior to submittal of any permit applications. The GEOSCIENCE team will act as MWDOC/SCWD's agent during the permitting process and will oversee the submittal of additional information needed by the agencies to deem the permit applications complete. If requested by the agencies, this task assumes technical engineering information will be provided by the project engineers to the GEOSCIENCE team to meet permit requests. This task assumes MWDOC/SCWD will pay directly to the permitting agencies all fees associated with the permit applications.

The GEOSCIENCE team understands that State Parks may impose additional, special work requirements on the construction contractor based on their prior Right of Entry Permits to satisfy the more general requirements as set forth in the current lease. For permitting purposes, this task assumes construction will occur between September 2016 and February 2017 to avoid impacts to California grunion and minimize disturbance to western snowy plover.

1.7 Prepare Contractor Bid and Contract Documents

GEOSCIENCE will prepare all bid and contract documents, to be incorporated with the technical specifications and plan sheets necessary to advertise the work to potential contractors. For bidding purposes, it is assumed that MWDOC/SCWD will provide example and/or templates of their standard front end documents which will be amended to suit this project. GEOSCIENCE will also prepare the bid advertisement and publish the advertisement in the appropriate trade publications and advertising media. Once all bids are received, GEOSCIENCE will assist MWDOC/SCWD with the contractor bid evaluations and provide recommendations on award.

2.0 TECHNICAL PLANS AND SPECIFICATIONS, ENGINEERS ESTIMATES, AND SALVAGE VALUES

2.1 Prepare Detailed Technical Plans and Specifications

The GEOSCIENCE team will prepare technical plans and specifications for the destruction and removal of all facilities and infrastructure related to the test slant well, discharge pipe, and test facility. Plan drawings will include “as-built” drawings of all portions of the project which GEOSCIENCE already has obtained. The technical specifications will be a single document that covers the destruction and removal of facilities associated with the test project. Items to be included in the technical specifications will include, but will not be limited to:

- Locations of all items (i.e., well locations, vault locations, discharge piping, conduit piping, electrical lines, outfall diffuser assembly, etc.);
- Construction details including depths, dimensions, materials, etc.;
- Expected geohydrologic conditions;
- Lease, permits and regulatory requirements;
- Compliance with discharge requirements, as necessary;
- Equipment, materials, and records to be furnished by the contractor;
- Site requirements and layout diagrams (i.e., location of staging area, areas to protect with fencing, spill prevention measures, stock pile areas, stock pile procedures, water source, runoff management, traffic control, pedestrian crossings, areas on ingress and egress, power, lighting, security, sanitation, work damage, and any other items identified by state parks or regulatory agency);
- Identification and duties of a full time safety officer;
- Type and location of signage with project and contact information;
- Pre-mobilization, mobilization, and demobilization requirements including site restoration and repair;
- Well destruction protocol shall follow State and County requirements, including:
 - Excavation, trenching, and shoring per OSHA requirements, as necessary
 - Removal of the well head appurtenances
 - Removal of the well pump and column pipe and relocation as per SCWD requirements
 - Perform down-hole video survey to assess condition of the well casing and screen
 - Side wall sampling of the well casing and screen
- List of items to be salvaged; and
- Test Facility, piping, and electrical removal and destruction protocol.

GEOSCIENCE will submit an electronic copy (i.e., PDF) of a 90% DRAFT of the technical plans and specifications to MWDOC/SCWD for review and comment. Comments to the 90% DRAFT will be incorporated and GEOSCIENCE will submit an electronic copy of a 100% DRAFT version. Comments to the 100% DRAFT will be incorporated and GEOSCIENCE will submit an electronic copy and six (6) bound hard copies of a 100% Final version.

2.2 Evaluate Potential Salvage Value of Well Pump and Test Facility

In preparation for drafting of the technical plans and specifications, and based on the in-depth knowledge of the facilities in place, GEOSCIENCE will develop a comprehensive list of items that shall be salvaged during the destruction and removal process. These items will be removed and secured by the contractor for relocation to a storage area as designated by SCWD. Items to be salvaged include, but are not limited to, the slant well submersible test pump and column pipe, power cables, and the test facility. Upon completion of the work at the site, GEOSCIENCE will determine the salvage value of these items and present them in a comprehensive list to be included in the final report (see Task 4.1).

2.3 Engineers Estimate

GEOSCIENCE will prepare planning-level cost estimates (i.e., engineer's estimates) of contractor costs for the destruction of the test slant well, test facility, and all associated infrastructure. The estimates will be based on local conditions, recent contractor cost estimates for similar projects, and correspondence with local contractors.

3.0 ONSITE FIELD INSPECTION

3.1 Field Inspection of Slant Well Destruction

The test slant well will be destroyed according to State and County requirements, which will include, but not be limited to, removing all obstructions from the well, conducting a downhole video survey, removing the existing pump and associated piping, excavating a minimum 6-ft deep hole around the well casing, removing the casing to 5-ft bgs, and filling and sealing the well and excavation with cement. In addition to these requirements, added tasks for well destruction will include excavating and removing well casing deeper than normally required in the event of abnormal local erosion. Also, sidewall sampling of the well casing and screen will be performed. Samples collected will be submitted to a state certified laboratory for analysis. GEOSCIENCE will provide full-time inspection during the well destruction process and will coordinate with County inspectors, as necessary.

3.2 Field Inspection of Beach Facilities Destruction

The GEOSCIENCE team will provide inspection during all aspects of the removal and/or destruction of the beach facilities, which may include vaults, discharge diffuser assembly, and Monitoring Well 1. GEOSCIENCE will work closely with SCWD to determine which of these facilities will remain in place and which will be destroyed. GEOSCIENCE will also coordinate with SCWD as to the manner in which items will be destroyed (i.e., removed or abandoned in place). These co-ordinations will occur prior to, and be incorporated into, the technical specifications. GEOSCIENCE will provide full-time inspection during all destruction processes associated with the beach facilities.

3.3 Field Inspection of Removal of Piping

The GEOSCIENCE team will provide inspection during all aspects of the removal and/or destruction of piping associated with the test slant well and test facility. These pipes include, piping to the diffuser assembly, electrical conduit piping, feed water and return water piping, and nitrogen gas line. GEOSCIENCE will provide full-time inspection during all destruction processes associated with the pipelines.

3.4 Field Inspection of Test Facility Removal

The GEOSCIENCE team will provide inspection during all aspects of the removal of the test facility, located near the parking lot north of the test slant well. It is anticipated that the test facility as an integrated system will contain some salvage value. Following removal of the test facility, fencing,

concrete pads and other temporary facilities, GEOSCIENCE will coordinate with State Parks to determine restoration specifications which will likely include the assistance of a landscape designer. GEOSCIENCE will provide full-time inspection during all destruction processes associated with the test facility.

3.5 Field Inspection of Electrical Service Removal

The GEOSCIENCE team will provide inspection and support during the disconnection and removal of electrical service from the service tie-in Vault located on PCH, to the Mobile test facility. GEOSCIENCE will assist MWD/SCWD with any correspondence and paper work required by the San Diego Gas & Electric (SDG&E) San Clemente office. GEOSCIENCE will also coordinate with State Parks and SDG&E regarding which facilities shall be removed. At this time it is assumed that the transformer, meter, and conduit and wire will require removal. GEOSCIENCE will provide full-time inspection during all destruction processes associated with the test facility.

3.6 Coordination with SCWD Regarding Outfall Diffuser

GEOSCIENCE will coordinate with SCWD regarding the fate of the outfall diffuser. If it is decided that the diffuser shall be removed, GEOSCIENCE will provide inspection to ensure that the existing groin is restored to its original condition.

4.0 REPORTING

4.1 Summary Report of Destruction Activities

At the conclusion of well destruction activities, GEOSCIENCE will prepare detailed summary report summarizing the details of well destruction. The report will include, but will not be limited to the following:

- Chronology of activities;
- Copies of the video survey and video report;
- California DWR well destruction report;
- Record of well destruction procedures and details;
- Itemized salvage values; and
- Other pertinent data and analytical results.

GEOSCIENCE will submit an electronic copy of the 100% final summary letter reports and three (3) hard copies.

5.0 OPTIONAL ITEM

5.1 Well Pump Autopsy

GEOSCIENCE will oversee the shipping of the slant well pump to and from Gicon Pumps & Equipment in Amarillo Texas for pump testing and autopsy. The purpose of this analysis is first to run a hydraulic pump test to measure pump and motor efficiency loss as compared to the original factory tests. Following hydraulic testing, Gicon Pumps—Indar's U.S. representative, will tear down the pump and document wear and corrosion of the pump materials including impellers, bowls, shaft seals, shaft bearings, and wear rings. A summary report including pump efficiency testing and autopsy results will be provided by Gicon. GEOSCIENCE will coordinate with SCWD regarding the storage of the pump following the autopsy procedure.

SECTION 6 – PROJECT SCHEDULE

Effective control of a project's scope, schedule, and budget is fundamental to achieving a quality project. GEOSCIENCE knows that understanding and managing the interrelationship of these three elements largely determines the project's success with respect to budget. Scope creep increases cost and produces delay. Delays increase costs and cause critical milestones to be missed. GEOSCIENCE understands these issues and has a demonstrated ability to organize tasks, manage the level of effort, develop and monitor a critical-path schedule, and compare actual costs to planned costs at key milestones; by using these organizational techniques as well as good communication with the client, and in this case, the contractor selected to perform the destruction activities.

GEOSCIENCE acknowledges that time is always of the essence. We also understand the limited window during which work can take place due to environmental and sensitive species-related issues. The following preliminary project schedule reflects MWDOC's desire to begin the work in the 2016 calendar year, with activities on the beach limited to September 15 to February 15, 2017. Our staff is fully committed to this schedule and prepared to begin work immediately.

A copy of the project schedule is included on page 24 of this proposal.

SECTION 7 – FEE PROPOSAL

Please consider this fee proposal to be a not-to-exceed amount. Please note that GEOSCIENCE is not marking up the sub-consultant fees for this project. Below is a brief summary of costs, with the detailed table outlining hours and costs by task on Page 25.

Task 1 - Project Management and Permitting Compliance	\$92,966
Task 2 – Technical Plans and Specifications, Engineers Estimates, and Salvage Values	\$32,171
Task 3 – Onsite Field Inspection	\$57,430
Task 4 – Well Destruction Summary Report	\$15,336
Total Project Cost Without Optional Item	\$197,903
Optional Task 5 – Well Pump Autopsy	\$6,312

SECTION 6 - PROPOSED PROJECT SCHEDULE
Removal, Salvage, Destruction, and Site Restoration
MWDOC Doheny State Beach Slant Well and Test Facility

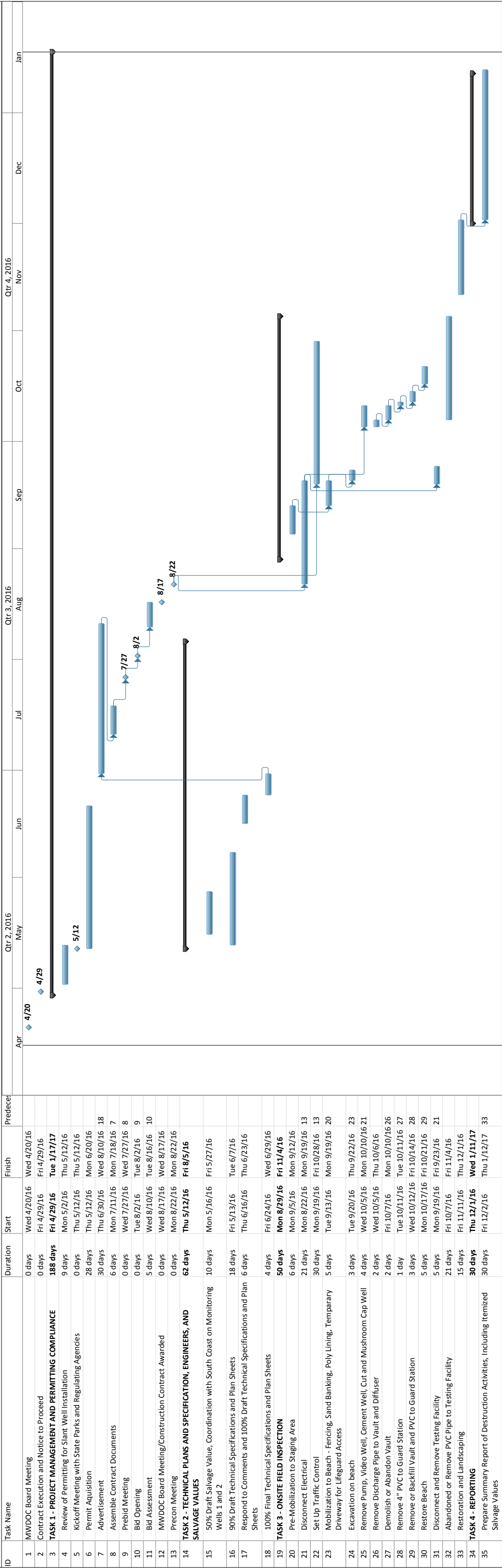


Table 1

Cost Proposal for Professional Hydrogeological and Engineering Services Related to the Removal, Salvage, Destruction, and Site Restoration of the Slant Well and Test Facility Near Dana Point California

GEOSCIENCE SUPPORT SERVICES, INC.										Michael Baker International										Chambers Group					TOTAL COST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Task Description	Principal Hydrologist	Senior Geohydrologist	Senior Engineer	Project Geohydrologist	Staff Geohydrologist	Technical Illustrator	Clerical	Labor	Reimbursable Expenses ¹	GEOSCIENCE Cost	Field Engineer					Project Manager					Senior Engineer					Project Engineer					Design Engineer					CADD Tech	Permit Process	MBI Cost	Sr. Project Manager	Biologist/Environmental Planner					Staff GIS Analyst	Technical Editor/Project Asst	CGI Cost	TOTAL COST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
											\$180	\$200	\$175	\$150	\$125	\$125	\$150	\$200	\$180	\$200	\$175	\$150	\$125	\$125	\$150	\$200	\$180	\$150	\$175	\$85	\$109	\$79																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Notes:
¹ Reimbursable Expenses Include Mileage, Field Per Diem at \$145/day, report reproduction costs. It should be noted that additional costs, which cannot be foreseen at this time, are sometimes incurred due to equipment breakdowns on the part of the contractor, and/or problems in material procurement or construction. Additional inspection hours for such field-related problems are not included in the above costs.

Cost Proposal for Professional Hydrogeological and Engineering Services Related to the Removal, Salvage, Destruction, and Site Restoration of the Slant Well and Test Facility Near Dana Point California

GEOSCIENCE SUPPORT SERVICES, INC.										Michael Baker International										Chambers Group					TOTAL COST			
Task Description	Principal Hydrologist	Senior Geohydrologist	Senior Engineer	Project Geohydrologist	Staff Geohydrologist	Technical Illustrator	Clerical	Labor	Reimbursable Expenses¹	GEOSCIENCE Cost	Michael Baker International										Chambers Group					CGI Cost	TOTAL COST	
											Field Engineer	Project Manager	Senior Engineer	Project Engineer	Design Engineer	CADD Tech	Permit Process	MBI Cost	Sr. Project Manager	Managing Biologist	Biologist/Environmental Planner	Staff GIS Analyst	Technical Editor/Project Asst					
	Hourly Rate:	\$298	\$205	\$210	\$174	\$132	\$116	\$98			\$180	\$200	\$175	\$150	\$125	\$125	\$100	\$150	\$175	\$85	\$109	\$79						
1.0 PROJECT MANAGEMENT AND PERMITTING COMPLIANCE																												
	1.1	Project Management Including Review of MWDOC Lease Agreement.	1	8		40	20			\$ 11,538	\$ -	\$ 11,538												\$ -	\$ 11,538			
	1.2	Kick-off and Project Status Meeting with MWDOC, GEOSCIENCE Team, and Others (State Parks, SCWD, etc.). Assumes One (1) Kick-off Meeting and four (4) Status update Meetings (Four [4] Total).	2	16		16				\$ 6,660	\$ -	\$ 6,660		9	4			18	10					\$ 4,450	\$ 13,610			
	1.3	Provide Assistance During Bidding Process and Attend Pre-Bid Meeting (includes response to bidder questions, prepare bid addenda and clarifications, evaluation of bids and attendance at meeting to discuss bid evaluation; assumes two [2] meetings)	2	8		12				\$ 4,324	\$ 100	\$ 4,424		1	16			10						\$ 1,500	\$ 8,924			
	1.4	Prepare for and Attend Pre-Construction Meeting (assumes one [1] meeting) and provide bid .		4		6				\$ 1,864	\$ 100	\$ 1,964		2				4					\$ 600	\$ 2,964				
	1.5	Coordinate with SCWD regarding Future Use of MW's 1 and 2.	1	2		6				\$ 1,752	\$ -	\$ 1,752												\$ -	\$ 1,752			
	1.6	Completion of Permitting Compliance Necessary for Construction at the Site.		2		8				\$ 1,802	\$ -	\$ 1,802		4	4	10		40	120	10	30			\$ 41,660	\$ 48,462			
	1.7	Prepare Detailed Bid and Contract Documents for Bidding. Including Bid Advertisement in Appropriate Trade Publications (assumes electronic submittal of 100% DRAFT version, and submittal of electronic and three [3] bound hard copy of 100% FINAL version). this document to be combined with Technical Specifications and Plan Sheets.	2	8		20				\$ 5,716	\$ -	\$ 5,716												\$ -	\$ 5,716			
		Subtotal Task 1:	8	48	0	108	20	0	0	\$ 33,656	\$ 200	\$ 33,856	0	16	24	10	0	20	50	120	10	30		\$ 48,210	\$ 92,966			
2.0 TECHNICAL PLANS AND SPECIFICATIONS, ENGINEERS ESTIMATES, AND SALVAGE VALUES																												
	2.1	Prepare Detailed Technical Plans and Specifications for Destruction of Test Slant Well, Test Facility, and all Associated Infrastructure (assumes electronic submittal of 90% DRAFT version, 100% DRAFT, and submittal of electronic and three [3] bound hard copy of 100% FINAL version)	2	8		30	20	36	4	\$ 16,344	\$ 100	\$ 16,444		2	8	24	10	10	10					\$ 900	\$ 26,244			
	2.2	Evaluate Potential Salvage Value of Well Pump and Test Facility; Coordinate with SCWD for Storage of Equipment.	1							\$ 1,138	\$ -	\$ 1,138		1	1	4	2							\$ -	\$ 2,363			
	2.3	Engineers Estimate for Construction Costs.	1			6				\$ 1,552	\$ -	\$ 1,552			2	4	2							\$ -	\$ 2,752			
		Subtotal Task 2:	4	8	13	36	20	36	4	\$ 19,034	\$ 100	\$ 19,134	0	3	11	32	14	10	10	0	0	0		\$ 900	\$ 31,359			
3.0 ONSITE FIELD INSPECTION																												
	3.1	Field Inspection of Slant Well Destruction	4	1	4	4	40			\$ 8,213	\$ 580	\$ 8,793							40					\$ 3,400	\$ 12,193			
	3.2	Field Inspection of Beach Facilities (i.e., Vault, Diffuser, etc.) Destruction		1	4	4	40			\$ 7,021	\$ 580	\$ 7,601	4	1					40					\$ 3,400	\$ 11,921			
	3.3	Field Inspection of Removal or Abandonment of Piping Between Test Facility and Well Vault				2	8			\$ 1,404	\$ 580	\$ 1,984												\$ -	\$ 1,984			
	3.4	Field Inspection of Test Facility Destruction				4	8			\$ 1,752	\$ 290	\$ 2,042	40	1					40					\$ 3,400	\$ 12,842			
	3.5	Removal of Electrical Tie In from SDG&E Along PCH				4	10			\$ 2,016	\$ 145	\$ 2,161		1	16				16					\$ 1,360	\$ 6,521			
		Subtotal Task 3:	4	2	8	18	106	0	0	\$ 20,406	\$ 2,175	\$ 22,581	44	3	16	0	0	0	0	136	0	0		\$ 11,560	\$ 45,461			
4.0 WELL DESTRUCTION SUMMARY REPORT																												
	4.1	Prepare Summary Report of Destruction Activities, Including Itemized Salvage Values (assumes electronic submittal and 3 hard copies of 100% FINAL version)	2	8	8	12	24	12	4	\$ 10,956	\$ 100	\$ 11,056		1	16				4	8				\$ 1,280	\$ 15,336			
		Subtotal Task 4:	2	8	8	12	24	12	4	\$ 10,956	\$ 100	\$ 11,056	0	1	16	0	0	0	0	8	0	0		\$ 1,280	\$ 15,336			
													TOTAL HOURS AND COST (TASKS 1 - 4):															
													18	66	29	174	48	8	30		\$ 36,545	182	50	264	10	30	\$ 61,950	\$ 185,122
													TOTAL PROJECT COST: \$ 185,122															
5.0 OPTIONAL ITEM																												
	5.1	Well Pump Autopsy, Including Shipping to and from Gicon Pumps & Equipment (Lubbock, TX), Hydraulic Test, Disassembly and Reassembly of Well Pump, and Analytical Report.			2	8				\$ 1,812	\$ 4,500	\$ 6,312												\$ -	\$ -			

Notes:

¹ Reimbursable Expenses Include Mileage, Field Per Diem at \$145/day, report reproduction costs.

It should be noted that additional costs, which cannot be foreseen at this time, are sometimes incurred due to equipment breakdowns on the part of the contractor, and/or problems in material procurement or construction. Additional inspection hours for such field-related problems are not included in the above costs.



ACTION ITEM

April 20, 2016

TO: Board of Directors

FROM: **Public Affairs & Legislation Committee**
(Directors Barbre, Hinman, Tamaribuchi)

Robert Hunter, General Manager

Staff Contact: Heather Baez

SUBJECT: AB 1925 (Chang) – Desalination, Statewide Goal

STAFF RECOMMENDATION

Staff recommends the Board of Directors vote to support AB 1925 (Chang) and send a separate letter to the author and members of the Orange County delegation indicating our support.

COMMITTEE RECOMMENDATION

Committee will review this item on April 18th and make a recommendation to the Board.

SUMMARY

AB 1925 would establish a goal to desalinate 300,000 acre-feet of drinking water per year by the year 2025 and 500,000 acre-feet of drinking water per year by the year 2030.

ARGUMENTS IN SUPPORT

According to the author's office, "AB 1925 will serve as a catalyst for pro-desalination policies and proposals throughout the state by placing annual goals for the production of water through desalination. By diversifying California's water supply, promote self-reliance for our diverse regions and provide a drought proof source of water to better prepare us for the inevitable dry years to come."

Budgeted (Y/N): n/a	Budgeted amount:	Core x	Choice __
Fiscal Impact (explain if unbudgeted):			

ARGUMENTS IN OPPOSITION

The Assembly Water, Parks & Wildlife Committee analysis states, "Setting a statewide desalination goal inappropriately prioritizes development of desalination projects, which have significant environmental impacts, as well as high costs to the public. California should not waste funds on this type of investment at this time. Desalination is more expensive than conservation, efficiency, storm water capture, and wastewater recycling. The State of California should prioritize less environmentally harmful, less expensive water resources and only pursue ocean water or groundwater desalination when more cost-effective and less environmentally damaging water resource options have been exhausted."

COMMENTS

This bill is co-authored by Assembly Members Travis Allen, Brian Jones, Devon Mathis, Marc Steinorth & Senator Pat Bates.

Support on file: Association of California Water Agencies, CalDesal, Eastern Municipal Water District, Mesa Water District, Poseidon Water, & South Coast Water District.

Opposition on file: California League of Conservation Voters, Natural Resources Defense Council, & Sierra Club California.

AB 1925 was heard in the Assembly Water, Parks & Wildlife Committee on April 12, 2016. Two amendments were suggested by the committee and were accepted by the author. As of press time for MWDOC's Public Affairs & Legislation Committee packet, the amendments were not yet in print. An oral update will be provided at the committee hearing.

DETAILED REPORT

The full text of AB 1925 is attached.

AMENDED IN ASSEMBLY MARCH 16, 2016

CALIFORNIA LEGISLATURE—2015–16 REGULAR SESSION

ASSEMBLY BILL

No. 1925

Introduced by Assembly Member Chang
(Coauthors: Assembly Members Travis Allen, Jones, Mathis, and Steinorth)
(Coauthor: Senator Bates)

February 12, 2016

An act to add Section 12946.5 to the Water Code, relating to water resources.

LEGISLATIVE COUNSEL'S DIGEST

AB 1925, as amended, Chang. Desalination: statewide goal.

Existing law, the Cobey-Porter Saline Water Conversion Law, 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. The law provides that it is the intention of the Legislature that the Department of Water Resources undertake to find economic and efficient methods of desalting saline water so that desalted water may be made available to help meet the growing water requirements of the state.

This bill would establish a goal to desalinate _____ 300,000 acre-feet of drinking water per year by the year 2025 and _____ 500,000 acre-feet of drinking water per year by the year 2030.

Vote: majority. Appropriation: no. Fiscal committee: no.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. The Legislature finds and declares all of the
2 following:

3 (a) The State of California is subject to periodic drought
4 conditions and is currently in the fourth year of the most recent
5 drought.

6 (b) The competing demands for traditional water resources have
7 demonstrated that new drinking water supply options need to be
8 added to support the California economy and the public health and
9 safety of all Californians.

10 (c) There is an immediate need for safe, clean, and reliable new
11 drinking water to provide local and regional water suppliers all
12 available water supply options to meet their local or regional
13 drinking water supply needs.

14 (d) The Governor's Water Action Plan encourages the state to
15 maximize local and regional water supply development and calls
16 for the streamlining of the permitting process for desalination and
17 recycling of water.

18 (e) The policy of the State of California is to reduce its
19 dependence on the Sacramento-San Joaquin Delta.

20 (f) Desalinated water is an important and reliable source for
21 meeting total water demand. Continued and expanded production
22 and distribution of desalinated water for beneficial and permitted
23 uses can improve regional self-reliance by meeting a portion of
24 future increased total drinking water demands.

25 SEC. 2. Section 12946.5 is added to the Water Code, to read:

26 12946.5. This section establishes a statewide goal to desalinate
27 300,000 acre-feet of drinking water per year by the year 2025
28 and 500,000 acre-feet of drinking water per year by the year
29 2030.

O



ACTION ITEM

April 20, 2016

TO: Board of Directors

FROM: **Public Affairs & Legislation Committee**
(Directors Barbre, Hinman, Tamaribuchi)

Robert Hunter, General Manager

Staff Contact: Heather Baez

SUBJECT: SB 1292 (Stone) – Grand Juries: Reports

STAFF RECOMMENDATION

Staff recommends the Board of Directors vote to support SB 1292 (Stone) and send a letter indicating our support position to the bill's author and the Orange County delegation.

COMMITTEE RECOMMENDATION

Committee will review this item on April 18th and make a recommendation to the Board.

SUMMARY

SB 1292 would - (1) require each grand jury to hold an exit interview with the subject of their investigations to discuss the findings of the report, as specified; (2) allow a grand jury to provide a draft of their findings to the subject of the report, in order to receive initial comments on the draft, as specified; and (3) grant the subject of an investigation the option to provide comments on the report that will be released and posted with the grand jury report.

ARGUMENTS IN SUPPORT

CSDA is sponsoring SB 1292 (Stone), which promotes the integrity of the grand jury system and assists the grand jury in increasing the accuracy of their publically released reports, while maintaining the fundamental principles of the civil grand jury as an independent watchdog. Specifically, this bill:

Budgeted (Y/N): n/a	Budgeted amount:	Core x	Choice __
Fiscal Impact (explain if unbudgeted):			

- Requires each grand jury to hold an exit interview with the subject (person or entity) of their investigations to discuss the findings of the report.
- Affords grand juries with the option of providing a draft of their findings to the subject of the report in order to receive initial comments on the draft.
- Grants the subject of an investigation the option to provide comments on the report that will be released and posted with the grand jury report at the time it is made publically available.

ARGUMENTS IN OPPOSITION

The California Supreme Court has confirmed the independence of the grand jury and the inherent value of its final report: "The modern final report, containing the grand jury's findings and recommendations on the subject of its investigations is the normal end product of its watchdog functions and is the only formal means by which the grand jury can hope to effectuate its recommendations." (McClatchy Newspapers v. Superior Court, 44 Cal. 3d 1162, 1171-72 (1988).)

This bill changes procedures relating to a local entity's involvement in the final report of the grand jury.

COMMENTS

CSDA is asking members to support this measure and send a letter as it, "will have a positive effect on all special districts and the public."

Support on file: Association of California Healthcare Districts, California Association of Recreation and Park Districts, California Fire Chiefs Association, California Grand Jurors Association, Fire Districts Association of California.

Opposition on file: California Attorneys for Criminal Justice

DETAILED REPORT

The full text of SB 1292 is attached.

AMENDED IN SENATE MARCH 28, 2016

SENATE BILL

No. 1292

Introduced by Senator Stone

February 19, 2016

An act to ~~amend~~ *amend, repeal, and add* Section 933.05 of the Penal Code, relating to grand juries.

LEGISLATIVE COUNSEL'S DIGEST

SB 1292, as amended, Stone. Grand juries: reports.

(1) Existing law sets forth the duties of the grand jury *of each county*. Existing law requires the grand jury to submit to the presiding judge of the superior court a final report of its findings and recommendations that pertain to county government matters during the fiscal or calendar year. Existing law authorizes a grand jury to request a subject person or entity to come before the grand jury for the purpose of reading and discussing the findings of the grand jury report that relates to that person or entity in order to verify the accuracy of the findings prior to their release.

~~This bill would require a grand jury to request a subject person or entity to come before the grand jury as described above. The bill would authorize a grand jury to disclose the factual data used in making its findings during discussions conducted pursuant to these provisions.~~

~~This bill would authorize a grand jury to provide to a subject person or entity for comment an administrative draft of that portion of the grand jury's report relating to that subject person or entity. The bill would require an administrative draft provided pursuant to this provision to include proposed grand jury findings, would authorize the draft to include the factual data utilized in making the grand jury's findings, and would prohibit the draft from including the grand jury's~~

recommendations. Within a time period determined by the grand jury, but no sooner than 10 days after the grand jury submits an administrative draft of its report to a subject person or entity for comment, the bill would authorize the subject person or entity to file with the grand jury written comments on the findings and data included in the administrative draft pertaining to that subject person or entity. The bill would prohibit an officer, agency, department, or governing body of a public agency from disclosing any contents of the administrative draft of the report prior to the public release of the final report.

This bill would delete the authority of a grand jury to request a subject person or entity to come before it for purposes of reading and discussing the findings of a grand jury report. The bill would instead require a grand jury to conduct at least one exit interview of an official or other responsible representative of each entity to which recommendations will be directed in a final grand jury report. The bill would authorize the grand jury, with the court's approval, to provide to the exit interviewee a copy of the draft findings related to that entity and would allow the subject entity to provide written comments to the grand jury concerning the draft findings within a time to be determined by the grand jury, but at least 5 working days after providing the draft findings to the exit interviewee. The bill would require any draft findings given to the exit interviewee to remain confidential, would prohibit those findings from being distributed to anyone outside the entity prior to or after the release of the final report, and would prohibit the exit interviewee and any board, officer, employee, or agent of the entity from publicly revealing any other information obtained during the exit interview prior to the public release of the report.

Existing law requires a grand jury to provide to the affected agency a copy of the portion of the grand jury report relating to that person or entity 2 working days prior to its public release and after the approval of the presiding judge.

This bill would instead require a grand jury to provide to the affected agency for comment entity a copy of the portion of the grand jury report relating to that person or entity no later than 10 6 working days prior to its public release and after the approval of the presiding judge. The bill would authorize all written comments of the affected agency to be submitted the subject person or entity to submit a preliminary response on behalf of the affected entity to the presiding judge of the superior court who impaneled the grand jury jury, with a copy of that preliminary response submitted to the grand jury, no later than 10 6 working days

after receipt of a copy of the grand jury final report by the affected agency. The bill would require ~~a copy of all written comments by the affected agency to be placed on file as part of the contents of the applicable~~ *the grand jury to release, when the final report is publicly released, a copy of any preliminary response that relates to the final report and included in the public release of the final report. either by posting the preliminary response on an Internet Web site or by electronic transmission with the final report, as specified.*

(2) The Ralph M. Brown Act requires, with specified exceptions, that all meetings of a legislative body of a local agency, as those terms are defined, be open and public and that all persons be permitted to attend and participate.

This bill would authorize the governing body of an affected ~~agency~~ *entity* to meet in closed session to discuss and prepare written comments of the affected ~~agency~~ *entity* to the *confidential draft* findings and ~~factual data contained in an administrative draft~~ *the facts related to those confidential draft findings* of the grand jury report and a ~~grand jury final report~~ submitted for comment to the entity by ~~a~~ *the* grand jury pursuant to the provisions described above. *The bill would also authorize the governing body of an affected entity to meet in closed session to discuss and prepare a written preliminary response to a grand jury final report submitted to the entity by the grand jury pursuant to the provisions described above.* The bill would require, if a legislative body of a local agency meets to discuss the final report of the grand jury at either a regular or special meeting after the public release of a grand jury final report, the legislative body to do so in a meeting conducted pursuant to the Ralph M. Brown Act unless exempted from this requirement by some other provision of law.

(3) *This bill would make its provisions operative beginning July 1, 2017.*

(3)

(4) Existing constitutional provisions require that a statute that limits the right of access to the meetings of public bodies or the writings of public officials and agencies be adopted with findings demonstrating the interest protected by the limitation and the need for protecting that interest.

This bill would make legislative findings to that effect.

Vote: majority. Appropriation: no. Fiscal committee: yes.

State-mandated local program: no.

The people of the State of California do enact as follows:

1 ~~SECTION 1. Section 933.05 of the Penal Code is amended to~~
2 ~~read:~~

3 ~~933.05. (a) For purposes of subdivision (b) of Section 933, as~~
4 ~~to each grand jury finding, the responding person or entity shall~~
5 ~~indicate one of the following:~~

6 ~~(1) The respondent agrees with the finding.~~

7 ~~(2) The respondent disagrees wholly or partially with the finding,~~
8 ~~in which case the response shall specify the portion of the finding~~
9 ~~that is disputed and shall include an explanation of the reasons~~
10 ~~therefor.~~

11 ~~(b) For purposes of subdivision (b) of Section 933, as to each~~
12 ~~grand jury recommendation, the responding person or entity shall~~
13 ~~report one of the following actions:~~

14 ~~(1) The recommendation has been implemented, with a summary~~
15 ~~regarding the implemented action.~~

16 ~~(2) The recommendation has not yet been implemented, but~~
17 ~~will be implemented in the future, with a timeframe for~~
18 ~~implementation.~~

19 ~~(3) The recommendation requires further analysis, with an~~
20 ~~explanation and the scope and parameters of an analysis or study,~~
21 ~~and a timeframe for the matter to be prepared for discussion by~~
22 ~~the officer or head of the agency or department being investigated~~
23 ~~or reviewed, including the governing body of the public agency~~
24 ~~when applicable. This timeframe shall not exceed six months from~~
25 ~~the date of publication of the grand jury report.~~

26 ~~(4) The recommendation will not be implemented because it is~~
27 ~~not warranted or is not reasonable, with an explanation therefor.~~

28 ~~(c) If a finding or recommendation of the grand jury addresses~~
29 ~~budgetary or personnel matters of a county agency or department~~
30 ~~headed by an elected officer, both the agency or department head~~
31 ~~and the board of supervisors shall respond if requested by the grand~~
32 ~~jury, but the response of the board of supervisors shall address~~
33 ~~only those budgetary or personnel matters over which it has some~~
34 ~~decisionmaking authority. The response of the elected agency or~~
35 ~~department head shall address all aspects of the findings or~~
36 ~~recommendations affecting his or her agency or department.~~

37 ~~(d) (1) A grand jury shall request a subject person or entity to~~
38 ~~come before the grand jury for the purpose of reading and~~

1 discussing the findings of the grand jury report that relates to that
2 person or entity in order to verify the accuracy of the findings prior
3 to their release.

4 (2) A grand jury may disclose the factual data used in making
5 its findings during discussions conducted pursuant to paragraph
6 (1).

7 (3) A grand jury may provide to a subject person or entity for
8 comment an administrative draft of that portion of the grand jury's
9 report relating to that subject person or entity. An administrative
10 draft provided pursuant to this paragraph shall include proposed
11 grand jury findings, may include the factual data utilized in making
12 the grand jury's findings, and shall not include the grand jury's
13 recommendations. Within a time period determined by the grand
14 jury, but no sooner than 10 days after the grand jury submits an
15 administrative draft of its report to a subject person or entity for
16 comment, the subject person or entity may file with the grand jury
17 written comments on the findings and data included in the
18 administrative draft pertaining to that subject person or entity. An
19 officer, agency, department, or governing body of a public agency
20 shall not disclose any contents of the administrative draft of the
21 report prior to the public release of the final report.

22 (e) During an investigation, the grand jury shall meet with the
23 subject of that investigation regarding the investigation, unless the
24 court, either on its own determination or upon request of the
25 foreperson of the grand jury, determines that such a meeting would
26 be detrimental.

27 (f) A grand jury shall provide to the affected agency for
28 comment a copy of the portion of the grand jury report relating to
29 that person or entity no later than 10 days prior to its public release
30 and after the approval of the presiding judge. All written comments
31 of the affected agency may be submitted to the presiding judge of
32 the superior court who impaneled the grand jury no later than 10
33 days after receipt of a copy of the grand jury final report by the
34 affected agency. A copy of all written comments by the affected
35 agency shall be placed on file as part of the contents of the
36 applicable grand jury final report and included in the public release
37 of the final report. An officer, agency, department, or governing
38 body of a public agency shall not disclose any contents of the
39 report prior to the public release of the final report.

~~(g) (1) Notwithstanding any other law, except as provided in paragraph (2), the governing body of an affected agency may meet in closed session to discuss and prepare written comments of the affected agency to both of the following:~~

~~(A) The findings and factual data contained in an administrative draft of the grand jury report submitted for comment by a grand jury pursuant to paragraph (3) of subdivision (d).~~

~~(B) A grand jury final report submitted for comment by a grand jury pursuant to subdivision (f).~~

~~(2) If the legislative body of a local agency meets to discuss the final report of the grand jury at either a regular or special meeting after the public release of a grand jury final report, the legislative body shall do so in a meeting conducted pursuant to the Ralph M. Brown Act (Chapter 9 (commencing with Section 54950) of Part 1 of Division 2 of Title 5 of the Government Code) unless exempted from this requirement by some other provision of law.~~

SECTION 1. Section 933.05 of the Penal Code is amended to read:

933.05. (a) For purposes of subdivision (b) of Section 933, as to each grand jury finding, the responding person or entity shall indicate one of the following:

(1) The respondent agrees with the finding.

(2) The respondent disagrees wholly or partially with the finding, in which case the response shall specify the portion of the finding that is disputed and shall include an explanation of the reasons therefor.

(b) For purposes of subdivision (b) of Section 933, as to each grand jury recommendation, the responding person or entity shall report one of the following actions:

(1) The recommendation has been implemented, with a summary regarding the implemented action.

(2) The recommendation has not yet been implemented, but will be implemented in the future, with a timeframe for implementation.

(3) The recommendation requires further analysis, with an explanation and the scope and parameters of an analysis or study, and a timeframe for the matter to be prepared for discussion by the officer or head of the agency or department being investigated or reviewed, including the governing body of the public agency

1 when applicable. This timeframe shall not exceed six months from
2 the date of publication of the grand jury report.

3 (4) The recommendation will not be implemented because it is
4 not warranted or is not reasonable, with an explanation therefor.

5 (c) ~~However, if~~ If a finding or recommendation of the grand
6 jury addresses budgetary or personnel matters of a county agency
7 or department headed by an elected officer, both the agency or
8 department head and the board of supervisors shall respond if
9 requested by the grand jury, but the response of the board of
10 supervisors shall address only those budgetary or personnel matters
11 over which it has some decisionmaking authority. The response
12 of the elected agency or department head shall address all aspects
13 of the findings or recommendations affecting his or her agency or
14 department.

15 (d) A grand jury may request a subject person or entity to come
16 before the grand jury for the purpose of reading and discussing
17 the findings of the grand jury report that relates to that person or
18 entity in order to verify the accuracy of the findings prior to their
19 release.

20 (e) During an investigation, the grand jury shall meet with the
21 subject of that investigation regarding the investigation, unless the
22 court, either on its own determination or upon request of the
23 foreperson of the grand jury, determines that such a meeting would
24 be detrimental.

25 (f) A grand jury shall provide to the affected agency a copy of
26 the portion of the grand jury report relating to that person or entity
27 two working days prior to its public release and after the approval
28 of the presiding judge. No officer, agency, department, or
29 governing body of a public agency shall disclose any contents of
30 the report prior to the public release of the final report.

31 (g) *This section shall become inoperative on July 1, 2017, and,*
32 *as of January 1, 2018, is repealed, unless a later enacted statute,*
33 *that becomes operative on or before January 1, 2018, deletes or*
34 *extends the dates on which it becomes inoperative and is repealed.*

35 SEC. 2. Section 933.05 is added to the Penal Code, to read:

36 933.05. (a) For purposes of subdivision (b) of Section 933, as
37 to each grand jury finding, the responding person or entity shall
38 indicate one of the following:

39 (1) The respondent agrees with the finding.

1 (2) *The respondent disagrees wholly or partially with the*
2 *finding, in which case the response shall specify the portion of the*
3 *finding that is disputed and shall include an explanation of the*
4 *reasons therefor.*

5 (b) *For purposes of subdivision (b) of Section 933, as to each*
6 *grand jury recommendation, the responding person or entity shall*
7 *report one of the following actions:*

8 (1) *The recommendation has been implemented, with a summary*
9 *regarding the implemented action.*

10 (2) *The recommendation has not yet been implemented, but will*
11 *be implemented in the future, with a timeframe for implementation.*

12 (3) *The recommendation requires further analysis, with an*
13 *explanation and the scope and parameters of an analysis or study,*
14 *and a timeframe for the matter to be prepared for discussion by*
15 *the officer or head of the agency or department being investigated*
16 *or reviewed, including the governing body of the public agency*
17 *when applicable. This timeframe shall not exceed six months from*
18 *the date of publication of the grand jury report.*

19 (4) *The recommendation will not be implemented because it is*
20 *not warranted or is not reasonable, with an explanation therefor.*

21 (c) *If a finding or recommendation of the grand jury addresses*
22 *budgetary or personnel matters of a county agency or department*
23 *headed by an elected officer, both the agency or department head*
24 *and the board of supervisors shall respond if requested by the*
25 *grand jury, but the response of the board of supervisors shall*
26 *address only those budgetary or personnel matters over which it*
27 *has some decisionmaking authority. The response of the elected*
28 *agency or department head shall address all aspects of the findings*
29 *or recommendations affecting his or her agency or department.*

30 (d) (1) *A grand jury shall conduct at least one exit interview*
31 *of an official or other responsible representative of each entity to*
32 *which recommendations will be directed in a final grand jury*
33 *report. The grand jury shall read to, and discuss with, the exit*
34 *interviewee the draft findings of the report that relate to that entity*
35 *in order to verify the accuracy of the findings.*

36 (2) *The grand jury may also discuss with the exit interviewee*
37 *the facts in that report that support one or more of those findings.*

38 (3) *With the court's approval, the grand jury may provide to*
39 *the exit interviewee a copy of the draft findings related to that*
40 *entity and may allow the subject entity to provide written comments*

1 to the grand jury concerning the draft findings within a time to be
2 determined by the grand jury, but at least five working days after
3 providing the draft findings to the exit interviewee.

4 (4) The grand jury shall not reveal to the exit interviewee the
5 name of any person, or another fact that identifies any person,
6 who provided information to the grand jury.

7 (5) Any draft findings given to the exit interviewee shall remain
8 confidential and shall not be distributed to anyone outside the
9 entity prior to or after the release of the final report. The exit
10 interviewee and any board, officer, employee, or agent of the entity
11 shall not publicly reveal any other information obtained during
12 the exit interview prior to the public release of the report.

13 (e) During an investigation, the grand jury shall meet with the
14 subject of that investigation regarding the investigation, unless
15 the court, either on its own determination or upon request of the
16 foreperson of the grand jury, determines that such a meeting would
17 be detrimental.

18 (f) A grand jury shall provide to the affected entity a copy of
19 the portion of the grand jury report relating to that person or entity
20 no later than six working days prior to its public release and after
21 the approval of the presiding judge. The subject person or entity
22 may submit a preliminary response on behalf of the affected entity
23 to the presiding judge of the superior court who impaneled the
24 grand jury, with a copy of that preliminary response submitted to
25 the grand jury, no later than six working days after receipt of a
26 copy of the grand jury final report by the affected entity. The grand
27 jury shall, when the final report is publicly released, also release
28 a copy of any preliminary response that relates to the final report
29 either by posting the preliminary response on an Internet Web site
30 or by electronic transmission with the final report. If the grand
31 jury distributes printed copies of the report, the preliminary
32 response or a citation to the Internet Web site where the report
33 and preliminary response, if any, are posted shall be included with
34 or in the report. A board, officer, employee, agent, department, or
35 governing body of the entity shall not disclose any contents of the
36 report prior to the public release of the final report.

37 (g) (1) Notwithstanding any other law, except as provided in
38 paragraph (2), the governing body of an affected entity may meet
39 in closed session to do both of the following:

1 (A) Discuss and prepare written comments of the affected entity
 2 to the confidential draft findings and the facts related to those
 3 confidential draft findings of the grand jury report submitted to
 4 the entity by the grand jury pursuant to paragraph (3) of
 5 subdivision (d).

6 (B) Discuss and prepare a written preliminary response to a
 7 grand jury final report submitted to the entity by the grand jury
 8 pursuant to subdivision (f).

9 (2) If the legislative body of a local agency meets to discuss the
 10 final report of the grand jury at either a regular or special meeting
 11 after the public release of a grand jury final report, the legislative
 12 body shall do so in a meeting conducted pursuant to the Ralph M.
 13 Brown Act (Chapter 9 (commencing with Section 54950) of Part
 14 1 of Division 2 of Title 5 of the Government Code) unless exempted
 15 from this requirement by some other law.

16 (h) This section shall become operative on July 1, 2017.

17 ~~SEC. 2.~~

18 SEC. 3. The Legislature finds and declares that Section 1 of
 19 this act, which amends Section 933.05 of the Penal Code, imposes
 20 a limitation on the public's right of access to the meetings of public
 21 bodies or the writings of public officials and agencies within the
 22 meaning of Section 3 of Article I of the California Constitution.
 23 Pursuant to that constitutional provision, the Legislature makes
 24 the following findings to demonstrate the interest protected by this
 25 limitation and the need for protecting that interest:

26 In order to protect the confidentiality of grand jury investigations
 27 and reports, it is necessary for this act to take effect.



ACTION ITEM

April 20, 2016

TO: Board of Directors

FROM: **Public Affairs & Legislation Committee**
(Directors Barbre, Hinman, Tamaribuchi)

Robert Hunter, General Manager

Staff Contact: Heather Baez

SUBJECT: H.R. 4822 (Nunes) – Public Employee Pension Transparency Act

STAFF RECOMMENDATION

Staff recommends the Board of Directors vote to support H.R. 4822 and send a separate letter to the author and members of the Orange County delegation indicating our support.

COMMITTEE RECOMMENDATION

Committee will review this item on April 18th and make a recommendation to the Board.

SUMMARY

H.R. 4822 would amend the Internal Revenue Code of 1986 to provide for reporting and disclosure by State and local public employee retirement pension plans by encouraging state and local government pension plans to disclose the true nature of their liabilities with the Secretary of the Treasury. This information would be available to the public through a searchable website. State and local governments that fail to disclose the requested information would have their federal tax-exempt bonding authority eliminated. The bill also expressly states that state and local pension obligations are solely the responsibility of those entities and that the federal government will not provide a bailout.

Budgeted (Y/N): n/a	Budgeted amount:	Core x	Choice __
Fiscal Impact (explain if unbudgeted):			

ARGUMENTS IN SUPPORT

According to the author's office, "Public pension accounting should ideally provide citizens and government officials with a sense of how indebted taxpayers are to state and local government employees. However, the government accounting standards currently used allow states to use procedures that severely understate their liabilities.

Using the revised standards of the Governmental Accounting Standards Board, state and municipal public pension officials have disclosed unfunded liabilities of \$1.2 trillion. However, even this enormous number fails to convey the true debt level because public pensions can calculate their liabilities using unreasonably high discount rates. In many instances, they also severely distort the fair market value of assets in order to hide debt. A forthcoming study by Stanford University Professor of Finance Joshua Rauh estimates the true amount of unfunded liabilities for states and major municipalities, as of 2014, at \$3.4 trillion — nearly triple the amount reported by the pension funds themselves.

Under current law, government accounting standards result in public pensions discounting their liabilities at the expected rate of return on their assets. Economists have stated that this approach is analytically misguided, as the magnitude of pension liabilities should be viewed as independent of how a pension's funds are invested. In practice, these standards set up a false equivalence between pension payments, which are in most cases guaranteed by Constitutional protections, and the much less certain outcome of an investment portfolio.

ARGUMENTS IN OPPOSITION

According to a letter from the opposition (listed below), "This legislation creates a dangerous precedent with regard to federal taxation and regulation of state and local governments.

The proposal does not protect benefits, save taxpayer dollars or improve retirement system funding. To the contrary, it imposes federal unfunded mandates in areas that are the fiscal responsibility of sovereign States and localities, and is conflicting, administratively burdensome and costly. Further, it threatens to eliminate the tax-exempt bonding authority of state and local governments.

The legislation not only violates the principles of federalism, but represents a fundamental lack of understanding regarding state and local government operations and financing, including governmental accounting rules and strict legal constraints already in place that require open financial reporting and processes. It also ignores the fact that every state and countless localities have recently made modifications to pension financing, benefits structures, or both."

COMMENTS

Support: National Taxpayers Union, Americans for Tax Reform, American Conservative Union, Citizens Against Government Waste, Americans for Limited Government, Americans

for Prosperity, U.S. Chamber of Commerce, Free Enterprise Nation, National Federation of Independent Business

Opposition: National Conference of State Legislatures (NCSL), International Association of Fire Fighters (IAFF), National Association of Counties (NACo), National Association of Police Organizations (NAPO), United States Conference of Mayors (USCM), National Education Association (NEA), National League of Cities (NLC), American Federation of Teachers (AFT), International City/County Management Association (ICMA), National Association of State Auditors Comptrollers and Treasurers (NASACT), American Federation of State, County and Municipal Employees (AFSCME), Government Finance Officers Association (GFOA), Service Employees International Union (SEIU), International Public Management Association for Human Resources (IPMA-HR), National Conference of State Social Security Administrators (NCSSSA), National Conference on Public Employee Retirement Systems (NCPERS), National Council on Teacher Retirement (NCTR), National Association of State Retirement Administrators (NASRA)

DETAILED REPORT

The full text of H.R. 4822 is attached.

114TH CONGRESS
2D SESSION

H. R. 4822

To amend the Internal Revenue Code of 1986 to provide for reporting and disclosure by State and local public employee retirement pension plans.

IN THE HOUSE OF REPRESENTATIVES

MARCH 21, 2016

Mr. NUNES (for himself, Mr. STEWART, Mr. DUNCAN of South Carolina, Mr. ROSS, Mr. ROKITA, Mr. MARCHANT, and Mr. BUCSHON) introduced the following bill; which was referred to the Committee on Ways and Means

A BILL

To amend the Internal Revenue Code of 1986 to provide for reporting and disclosure by State and local public employee retirement pension plans.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Public Employee Pen-
5 sion Transparency Act”.

6 **SEC. 2. FINDINGS.**

7 The Congress finds the following:

8 (1) Pursuant to clauses 1 and 3 of section 8 of
9 article I of the Constitution of the United States,

1 the Congress has the authority to condition the con-
2 tinuation of certain specified Federal tax benefits
3 upon State or local government employee pension
4 benefit plans on the provision of meaningful disclo-
5 sure under section 4980J of the Internal Revenue
6 Code of 1986, as added by this Act.

7 (2) State and local government employee pen-
8 sion benefit plans have promised pension benefits to
9 approximately 20,000,000 Americans who are active
10 employees of these entities. An additional 7,000,000
11 retirees and their dependents currently receive bene-
12 fits from State or local government employee pen-
13 sion benefit plans. The interests of participants in
14 many of such plans are in the nature of property
15 rights under State law.

16 (3) State and local government employee pen-
17 sion benefit plans are substantially facilitated by the
18 favorable tax treatment of participants and bene-
19 ficiaries, investment earnings, and employee con-
20 tributions with respect to such plans provided by the
21 Federal Government under the Internal Revenue
22 Code of 1986.

23 (4) The investment of State or local govern-
24 ment employee pension benefit plan assets, the dis-
25 tribution of benefits under such plans, and other re-

1 lated financial activities are facilitated through the
2 use of instrumentalities of, and substantially affect,
3 interstate commerce. These activities, which are
4 interstate in nature and have a substantial impact
5 on the national economy, affect capital formation,
6 regional growth and decline, the national markets
7 for insurance, and the markets for securities and the
8 trading of securities of State and local governments.

9 (5) The financial status of State or local gov-
10 ernment employee pension benefit plans also has a
11 direct impact on the national markets for insurance
12 and trading of securities of State and local govern-
13 ments.

14 (6) State or local government employee pension
15 benefit plans additionally have a substantial impact
16 on interstate commerce as a consequence of the
17 interstate movement of participants.

18 (7) State or local government employee pension
19 benefit plans are becoming a large financial burden
20 on certain State and local governments and have al-
21 ready resulted in tax increases and the reduction of
22 services.

23 (8) In fact, a soon to be published study has
24 determined that as of 2014, the present value of the
25 already promised pension liabilities of the 50 States

1 and major municipalities, calculated using the meth-
2 odology prescribed by this bill, is
3 \$7,019,627,000,000 with unfunded liabilities at
4 \$3,412,587,000,000. These amounts are substan-
5 tially higher than those reported by pension funds
6 using the Governmental Accounting Standards
7 Board's (GASB) revised standards (total liabilities
8 of \$4,798,075,000,000 and unfunded liabilities of
9 \$1,191,035,000,000).

10 (9) Some economists and observers have stated
11 that the extent to which State or local government
12 employee pension benefit plans are underfunded is
13 obscured by governmental accounting rules and
14 practices, particularly as they relate to the valuation
15 of plan assets and liabilities. This results in a
16 misstatement of the value of plan assets and an un-
17 derstatement of plan liabilities, a situation that
18 poses a significant threat to the soundness of State
19 and local budgets.

20 (10) There currently is a lack of meaningful
21 disclosure regarding the value of State or local gov-
22 ernment employee pension benefit plan assets and li-
23 abilities. This lack of meaningful disclosure poses a
24 direct and serious threat to the financial stability of
25 such plans and their sponsoring governments, im-

1 pairs the ability of State and local government tax-
2 payers and officials to understand the financial obli-
3 gations of their government, and reduces the likeli-
4 hood that State and local government processes will
5 be effective in assuring the prudent management of
6 their plans. The status quo also constitutes a serious
7 threat to the future economic health of the Nation
8 and places an undue burden upon State and local
9 government taxpayers, who will be called upon to
10 fully fund existing, and future, pension promises.

11 (11) State or local government employee pen-
12 sion benefit plans affect the national public interest
13 and meaningful disclosure of the value of their as-
14 sets and liabilities is necessary and desirable in
15 order to adequately protect plan participants and
16 their beneficiaries and the general public. Meaning-
17 ful disclosure would also further efforts to provide
18 for the general welfare and the free flow of com-
19 merce.

1 **SEC. 3. REPORTING OF INFORMATION WITH RESPECT TO**
 2 **STATE OR LOCAL GOVERNMENT EMPLOYEE**
 3 **PENSION BENEFIT PLANS TREATED AS A TAX**
 4 **EXEMPTION, ETC., REQUIREMENT FOR STATE**
 5 **AND LOCAL BONDS.**

6 (a) IN GENERAL.—Subpart B of part IV of sub-
 7 chapter B of chapter 1 of the Internal Revenue Code of
 8 1986 is amended by adding at the end the following new
 9 section:

10 **“SEC. 149A. REPORTING WITH RESPECT TO STATE OR**
 11 **LOCAL GOVERNMENT EMPLOYEE PENSION**
 12 **BENEFIT PLANS.**

13 “(a) IN GENERAL.—In the case of a failure to satisfy
 14 any requirement of subsection (a) or (b) of section 4980J
 15 with respect to any plan maintained with respect to em-
 16 ployees of one or more States or political subdivisions of
 17 one or more States, no specified Federal tax benefit shall
 18 be allowed or made with respect to any specified bond
 19 issued by any such State or political subdivision (or by
 20 any bonding authority acting on behalf, or for the benefit,
 21 of such State or political subdivision) during the non-
 22 compliance period.

23 “(b) NONCOMPLIANCE PERIOD.—For purposes of
 24 this section, the term ‘noncompliance period’ means, with
 25 respect to any State or political subdivision in connection
 26 with any failure described in subsection (a), the period be-

1 ginning on the date that the Secretary notifies such State
 2 or political subdivision of such failure and ending on the
 3 date that such failure is cured (as determined by the Sec-
 4 retary).

5 “(c) SPECIFIED BOND.—For purposes of this section,
 6 the term ‘specified bond’ means—

7 “(1) any State or local bond within the meaning
 8 of section 103,

9 “(2) any qualified tax credit bond within the
 10 meaning of section 54A, and

11 “(3) any build America bond within the mean-
 12 ing of section 54AA.

13 “(d) SPECIFIED FEDERAL TAX BENEFIT.—For pur-
 14 poses of this section, the term ‘specified Federal tax ben-
 15 efit’ means—

16 “(1) any exemption from gross income allowed
 17 under section 103 (relating to interest on State and
 18 local bonds),

19 “(2) any credit allowed under section 54A (re-
 20 lating to credit to holders of qualified tax credit
 21 bonds),

22 “(3) any credit allowed under section 54AA (re-
 23 lating to build America bonds), and

1 “(4) any credit or payment allowed or made
 2 under section 6431 (relating to credit for qualified
 3 bonds allowed to issuer).”.

4 (b) REPORTING REQUIREMENTS.—Chapter 43 of
 5 such Code is amended by adding at the end the following
 6 new section:

7 **“SEC. 4980J. FAILURE OF STATE OR LOCAL GOVERNMENT**
 8 **EMPLOYEE PENSION BENEFIT PLANS TO**
 9 **MEET REPORTING REQUIREMENTS.**

10 “(a) ANNUAL REPORT.—For purposes of section
 11 149A, the requirements of this subsection are as follows:

12 “(1) IN GENERAL.—The plan sponsor of a
 13 State or local government employee pension benefit
 14 plan shall file with the Secretary, in such form and
 15 manner as shall be prescribed by the Secretary, a re-
 16 port for each plan year beginning on or after Janu-
 17 ary 1, 2017, setting forth the following information
 18 with respect to the plan, as determined by the plan
 19 sponsor as of the end of such plan year:

20 “(A) A schedule of funding status, which
 21 shall include a statement as to the current li-
 22 ability of the plan, the amount of plan assets
 23 available to meet that liability, the amount of
 24 the net unfunded liability (if any), and the
 25 funding percentage of the plan.

1 “(B) A schedule of contributions by the
2 plan sponsor for the plan year, indicating which
3 are or are not taken into account under sub-
4 paragraph (A).

5 “(C) Alternative projections which shall be
6 specified in regulations of the Secretary for
7 each of the next 60 plan years following the
8 plan year of the cash flows associated with the
9 current liability, together with a statement of
10 the assumptions used in connection with such
11 projections. The Secretary shall specify in such
12 regulations the projection assumptions to be
13 used as necessary to achieve comparability
14 across plans.

15 “(D) A statement of the actuarial assump-
16 tions used for the plan year, including the rate
17 of return on investment of plan assets and as-
18 sumptions as to such other matters as the Sec-
19 retary may prescribe by regulation.

20 “(E) A statement of the number of partici-
21 pants who are each of the following—

22 “(i) those who are retired or sepa-
23 rated from service and are receiving bene-
24 fits,

1 “(ii) those who are retired or sepa-
2 rated and are entitled to future benefits,
3 and

4 “(iii) those who are active under the
5 plan.

6 “(F) A statement of the plan’s investment
7 returns, including the rate of return, for the
8 plan year and the 5 preceding plan years.

9 “(G) A statement of the degree to which,
10 and manner in which, the plan sponsor expects
11 to eliminate any unfunded current liability that
12 may exist for the plan year and the extent to
13 which the plan sponsor has followed the plan’s
14 funding policy for each of the preceding 5 plan
15 years. The Secretary shall prescribe by regula-
16 tion the specific criteria to be used for meeting
17 the requirements of this paragraph.

18 “(H) A statement of the amount of pen-
19 sion obligation bonds outstanding.

20 “(I) A statement of the current cost of the
21 plan for the plan year.

22 “(2) TIMING OF REPORT.—The plan sponsor of
23 a State or local government employee pension ben-
24 efit plan shall make the filing required under para-
25 graph (1) for each plan year not later than 210 days

1 after the end of such plan year (or within such time
2 as may be required by regulations prescribed by the
3 Secretary in order to reduce duplicative filing).

4 “(b) ADDITIONAL REPORTING REQUIREMENTS.—
5 For purposes of section 149A, the requirements of this
6 subsection are as follows:

7 “(1) SUPPLEMENTARY REPORTS.—In any case
8 in which, in determining the information filed in the
9 annual report for a plan year under subsection (a)—

10 “(A) the value of plan assets is determined
11 using a standard other than fair market value,
12 or

13 “(B) the interest rate or rates used to de-
14 termine the value of liabilities or as the dis-
15 count value for liabilities are not the interest
16 rates described in paragraph (3), the plan spon-
17 sor shall include in the annual report filed for
18 such plan year pursuant to subsection (a) the
19 supplementary report for such plan year de-
20 scribed in paragraph (2) of this subsection.

21 “(2) USE OF PRESCRIBED VALUATION METHOD
22 AND INTEREST RATES.—A supplementary report for
23 a plan year filed for a plan year pursuant to this
24 subsection shall include the information specified as
25 required in the annual report under subparagraphs

(A), (F), (G) and (I) of subsection (a)(1), determined as of the end of such plan year by valuing plan assets at fair market value and by using the interest rates described in paragraph (3) to value liabilities and as the discount value for liabilities.

“(3) INTEREST RATES BASED ON U.S. TREASURY OBLIGATION YIELD CURVE RATE.—

“(A) IN GENERAL.—The interest rates described in this subsection are, with respect to any day, the rates of interest which shall be determined by the Secretary for such day on the basis of the U.S. Treasury obligation yield curve for such day.

“(B) U.S. TREASURY OBLIGATION YIELD CURVE.—For purposes of this subsection, the term ‘U.S. Treasury obligation yield curve’ means, with respect to any day, a yield curve which shall be prescribed by the Secretary for such day on interest-bearing obligations of the United States.

“(c) DEFINITIONS AND SPECIAL RULES.—For purposes of this section—

“(1) STATE OR LOCAL GOVERNMENT EMPLOYEE PENSION BENEFIT PLAN.—The terms ‘State or local government employee pension benefit plan’

1 and ‘plan’ mean any plan, fund, or program, other
 2 than a defined contribution plan (within the mean-
 3 ing of section 414(i)), which was heretofore or is
 4 hereafter established or maintained, in whole or in
 5 part, by a State, a political subdivision of a State,
 6 or any agency or instrumentality of a State or polit-
 7 ical subdivision of a State, to the extent that by its
 8 express terms or as a result of surrounding cir-
 9 cumstances such plan, fund, or program—

10 “(A) provides retirement income to em-
 11 ployees, or

12 “(B) results in a deferral of income by em-
 13 ployees for periods extending to the termination
 14 of covered employment or beyond, regardless of
 15 the method of calculating the contributions
 16 made to the plan, the method of calculating the
 17 benefits under the plan, or the method of dis-
 18 tributing benefits from the plan.

19 “(2) FUNDING PERCENTAGE.—The term ‘fund-
 20 ing percentage’ for a plan year means the ratio (ex-
 21 pressed as a percentage) which—

22 “(A) the value of plan assets as of the end
 23 of the plan year bears to

24 “(B) the current liability of the plan for
 25 the plan year.

1 “(3) CURRENT LIABILITY.—The term ‘current
2 liability’ of a plan for a plan year means the present
3 value of all benefits accrued or earned under the
4 plan as of the end of the plan year.

5 “(4) PRESENT VALUE.—

6 “(A) IN GENERAL.—The present value of
7 an accrued benefit shall be determined by dis-
8 counting its future cash flows in accordance
9 with subsection (b)(3). The present value of all
10 benefits accrued for a participant shall be cal-
11 culated as the sum of the present value of the
12 accrued benefit for each exit event multiplied by
13 the probability of the associated exit event.

14 “(B) EXIT EVENT.—An ‘exit event’ occurs
15 when the employment of a plan participant ter-
16 minates. For each currently employed plan par-
17 ticipant as of the measurement date, there are
18 one or more potential future exit events. Each
19 exit event is associated with a termination date,
20 a cause of termination (e.g., retirement, death,
21 disability, quit, etc.), a contractual benefit, and
22 a probability that the participant will exit em-
23 ployment via the particular event.

24 “(5) ACCRUED BENEFIT.—

1 “(A) IN GENERAL.—An ‘accrued benefit’ is
2 determined for each exit event as the projected
3 benefit multiplied by service earned as of the
4 measurement date divided by service projected
5 to be earned by the event date. For participants
6 retired or separated from service as of the
7 measurement date, the accrued benefit equals
8 the projected benefit.

9 “(B) PROJECTED BENEFIT.—As of the
10 measurement date, a ‘projected benefit’ (con-
11 sisting of future cash flows) is calculated for
12 each possible exit event using service projected
13 to be earned to the event date and salary as of
14 the measurement date. Such projected benefit
15 shall reflect any cost-of-living adjustments pay-
16 able in the future based on the law in effect as
17 of the measurement date.

18 “(6) MEASUREMENT DATE.—The term ‘meas-
19 urement date’ means the date as of which the value
20 of the pension obligation is determined (sometimes
21 referred to as the ‘valuation date’).

22 “(7) CURRENT COST.—The term ‘current cost’
23 of a plan for a plan year means the present value
24 as of the end of the plan year of all benefits accrued
25 or earned under the plan during the plan year.

1 “(8) PLAN SPONSOR.—The term ‘plan sponsor’
2 means, in connection with a State or local govern-
3 ment employee pension benefit plan, the State, polit-
4 ical subdivision of a State, or agency or instrumen-
5 tality of a State or a political subdivision of a State
6 which establishes or maintains the plan.

7 “(9) PARTICIPANT.—

8 “(A) IN GENERAL.—The term ‘participant’
9 means, in connection with a State or local gov-
10 ernment employee pension benefit plan, an indi-
11 vidual—

12 “(i) who is an employee or former em-
13 ployee of a State, political subdivision of a
14 State, or agency or instrumentality of a
15 State or a political subdivision of a State
16 which is the plan sponsor of such plan, and

17 “(ii) who is or may become eligible to
18 receive a benefit of any type from such
19 plan or whose beneficiaries may be eligible
20 to receive any such benefit.

21 “(B) BENEFICIARY.—The term ‘bene-
22 ficiary’ means a person designated by a partici-
23 pant, or by the terms of the plan, who is or
24 may become entitled to a benefit thereunder.

1 “(10) PLAN YEAR.—The term ‘plan year’
2 means, in connection with a plan, the calendar or
3 fiscal year on which the records of the plan are kept.

4 “(11) STATE.—The term ‘State’ includes any
5 State of the United States, the District of Columbia,
6 the Commonwealth of Puerto Rico, the United
7 States Virgin Islands, American Samoa, Guam, and
8 the Commonwealth of the Northern Mariana Is-
9 lands.

10 “(12) FAIR MARKET VALUE.—The term ‘fair
11 market value’ has the meaning of such term under
12 section 430(g)(3)(A) (without regard to section
13 430(g)(3)(B)).

14 “(d) MODEL REPORTING STATEMENT.—The Sec-
15 retary shall develop model reporting statements for pur-
16 poses of subsections (a) and (b). Plan sponsors of State
17 or local government employee pension plans may elect, in
18 such form and manner as shall be prescribed by the Sec-
19 retary, to utilize the applicable model reporting statement
20 for purposes of complying with requirements of such sub-
21 sections.

22 “(e) TRANSPARENCY OF INFORMATION FILED.—The
23 Secretary shall create and maintain a public Web site,
24 with searchable capabilities, for purposes of posting the
25 information received by the Secretary pursuant to sub-

1 sections (a) and (b). Any such information received by the
 2 Secretary (including any updates to such information re-
 3 ceived by the Secretary) shall be posted on the Web site
 4 not later than 60 days after receipt and shall not be treat-
 5 ed as return information for purposes of this title.”.

6 (c) CLERICAL AMENDMENTS.—

7 (1) The table of sections for subpart B of part
 8 IV of subchapter B of chapter 1 of such Code is
 9 amended by adding at the end the following new
 10 item:

“Sec. 149A. Reporting with respect to State or local government employee pen-
 sion benefit plans.”.

11 (2) The table of sections for chapter 43 of such
 12 Code is amended by adding at the end the following
 13 new item:

“Sec. 4980J. Failure of State or local government employee pension benefit
 plans to meet reporting requirements.”.

14 **SEC. 4. GENERAL PROVISIONS AND RULES OF CONSTRUC-**
 15 **TION.**

16 (a) LIMITATIONS ON FEDERAL RESPONSIBILITIES
 17 RELATING TO PLAN OBLIGATIONS AND LIABILITIES.—

18 The United States shall not be liable for any obligation
 19 related to any current or future shortfall in any State or
 20 local government employee pension plan. Nothing in this
 21 Act (or any amendment made by this Act) or any other
 22 provision of law shall be construed to provide Federal Gov-
 23 ernment funds to diminish or meet any current or future

1 shortfall in, or obligation of, any State or local government
2 employee pension plan. The preceding sentence shall also
3 apply to the Federal Reserve.

4 (b) NO FEDERAL FUNDING STANDARDS.—Nothing
5 in this Act (or any amendment made by this Act) shall
6 be construed to alter existing funding standards for State
7 or local government employee pension plans or to require
8 Federal funding standards for such plans.

9 (c) DEFINITIONS.—Terms used in this section which
10 are also used in section 4980J of the Internal Revenue
11 Code of 1986 shall have the same meaning as when used
12 in such section.

○



DISCUSSION ITEM

April 20, 2016

TO: Board of Directors

**FROM: Administration & Finance Committee
(Directors Thomas, Barbre, Finnegan)**

Robert Hunter, General Manager

Staff Contact: Hilary Chumpitazi

SUBJECT: MWDOC's Rate Study Update

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee review and discuss the updated rate structure scenarios offered by Raftelis and direct staff.

COMMITTEE RECOMMENDATION

The Committee reviewed this item and recommended it be presented to the full Board. Staff is asking for direction from the Board on how the Ordinance and/or Resolution will need to be prepared, as well as any implications to the Budget. Committee would like the Board to discuss which rate option they favor – 1A or 1B.

DETAILED REPORT

At the last Manager's meeting the Managers were all in agreement to use scenario 1 but discussed two ways to calculate OCWD's share, either by using specific cost centers or by using all cost centers. Raftelis will present these two scenarios today as Scenario 1A and Scenario 1B.

Budgeted (Y/N):	Budgeted amount:	Core __	Choice __
Action item amount:	Line item:		
Fiscal Impact (explain if unbudgeted):			



Municipal Water District of Orange County Rate Study

A&F Committee Meeting Draft Rates

April 13, 2016

Goal of Today's Meeting

- Provide feedback from the March 17th Manager's Meeting
 - Added additional scenario in allocating OCWD services (Scenario 1B)
- Review ***preliminary*** rates using FY 2016 Core budget

Recommendation on OCWD

- Over a 10 year average OCWD is MWDOC's fourth largest water user (uses 10.8% on average)
- There is a cost associated with providing core services to OCWD, just like there is a cost for other retail agencies
- OCWD should be charged an appropriate amount

DRAFT RATES

(Using FY 2016 Core Budget)

FY 2016 Core Services Budget

Cost Center	Budget Item	FY 2016 Budget
21	Planning & Resource Development	\$743,370
23	Met Issues and Special Projects	\$751,674
31	Governmental Affairs	\$418,009
32	Public Affairs	\$629,110
11	Administrative - Board	\$1,131,747
12	Administrative - General	\$471,461
13	Personnel / Staff Development	\$304,655
19	Overhead	\$779,267
22	Research Participation	\$39,740
35	Policy Development	\$145,864
41	Finance	\$563,041
45	Information Technology	\$223,827
	MWDOC Bldg Imp less Misc Inc	\$343,087
25	MWDOC's Contribution to WEROC	\$141,807
	Total	\$6,686,660

Manager's Meeting - March 17, 2016

- We showed four scenarios in which:
 - First we allocated costs to OCWD based on historical 10-yr water use (10.8%) for cost centers 21 & 23, then remaining costs to retail agencies by:
 - 1) Number of Meters
 - 2) Number of Equivalent Meters
 - 3) Population Service Area
 - 4) Historical 10-yr Imported Water Use for *All Cost Centers*
- A&F Committee had seen the first three scenarios in our March 8th meeting

Summary – Manager’s Meeting

Agency	Current Cost	Scenario 1		Scenario 2		Scenario 3		Scenario 4	
		# of Mtrs	# of Mtrs	# of Eq. Mtrs	Population	Population	Population	Imp. Water Use	Use
Brea, City of	\$133,791	\$126,662	\$170,906	\$118,473	\$115,323				
Buena Park, City of	\$203,025	\$192,207	\$200,178	\$227,613	\$149,635				
East Orange County Water District	\$226,038	\$213,993	\$235,362	\$196,145	\$117,870				
El Toro Water District	\$106,699	\$101,013	\$114,694	\$134,155	\$270,171				
Fountain Valley, City of	\$182,085	\$172,382	\$146,523	\$159,203	\$92,645				
Garden Grove, City of	\$366,263	\$346,746	\$201,443	\$485,651	\$255,098				
Golden State Water Company	\$444,459	\$420,775	\$380,962	\$466,197	\$289,734				
Huntington Beach, City of	\$575,007	\$544,366	\$545,209	\$545,530	\$278,836				
Irvine Ranch Water District	\$1,080,693	\$1,023,105	\$1,149,155	\$1,043,365	\$781,319				
La Habra, City of	\$147,951	\$140,067	\$96,881	\$170,021	\$59,288				
La Palma, City of	\$47,024	\$44,518	\$25,142	\$44,070	\$17,932				
Laguna Beach County Water District	\$93,787	\$88,790	\$97,329	\$55,840	\$111,021				
Mesa Water District	\$253,890	\$240,361	\$206,590	\$295,786	\$116,604				
Moulton Niguel Water District	\$570,916	\$540,494	\$486,109	\$468,268	\$840,807				
Newport Beach, City of	\$282,610	\$267,550	\$267,742	\$180,837	\$198,113				
Orange, City of	\$358,527	\$339,422	\$352,642	\$382,109	\$293,184				
Orange County Water District	\$0	\$356,313	\$356,313	\$356,313	\$709,581				
San Clemente, City of	\$187,271	\$177,292	\$243,918	\$141,270	\$259,537				
San Juan Capistrano, City of	\$122,876	\$116,329	\$115,583	\$106,750	\$152,040				
Santa Margarita Water District	\$562,497	\$532,523	\$493,637	\$431,491	\$814,158				
Seal Beach, City of	\$58,406	\$55,293	\$91,101	\$65,174	\$33,472				
Serrano Water District	\$24,510	\$23,204	\$14,585	\$17,771	\$32,839				
South Coast Water District	\$130,677	\$123,714	\$139,673	\$96,235	\$170,601				
Trabuco Canyon Water District	\$42,868	\$40,584	\$29,183	\$34,948	\$78,337				
Westminster, City of	\$218,237	\$206,608	\$225,480	\$257,838	\$120,450				
Yorba Linda Water District	\$266,552	\$252,348	\$300,320	\$205,608	\$328,066				
Total	\$6,686,660	\$6,686,660	\$6,686,660	\$6,686,660	\$6,686,660				

Manager's Meeting Feedback

- Discussion on how to best allocate costs to OCWD
- Scenarios 2, 3 and 4 were not viewed favorably
- Proposed Scenario 1B in which OCWD is allocated 1/26 of costs as opposed to using historical water use
- From our last meeting: A&F Committee seemed to prefer Scenario 1 (A)
- Leaves Scenarios 1A and 1B

Scenario 1A

Step 1: Determine OCWD's responsible cost

- OCWD is charged for cost centers 21 and 23 (Planning and Resource Development, Met Issues and Special Projects) by 10-year historical water use (10.8%)
- Remaining cost centers are equally divided (1/26) amongst OCWD and the remaining agencies (excluding WEROC)

Step 2: Allocate remaining cost to retail agencies based on number of meters

Scenario 1A

Agency	FY 2016			
	Proposed Costs	FY 2016 Current Costs	Change (\$)	Change (%)
Brea, City of	\$126,662	\$133,791	-\$7,129	-5.3%
Buena Park, City of	\$192,207	\$203,025	-\$10,819	-5.3%
East Orange County Water District	\$213,993	\$226,038	-\$12,045	-5.3%
El Toro Water District	\$101,013	\$106,699	-\$5,686	-5.3%
Fountain Valley, City of	\$172,382	\$182,085	-\$9,703	-5.3%
Garden Grove, City of	\$346,746	\$366,263	-\$19,517	-5.3%
Golden State Water Company	\$420,775	\$444,459	-\$23,684	-5.3%
Huntington Beach, City of	\$544,366	\$575,007	-\$30,640	-5.3%
Irvine Ranch Water District	\$1,023,105	\$1,080,693	-\$57,587	-5.3%
La Habra, City of	\$140,067	\$147,951	-\$7,884	-5.3%
La Palma, City of	\$44,518	\$47,024	-\$2,506	-5.3%
Laguna Beach County Water District	\$88,790	\$93,787	-\$4,998	-5.3%
Mesa Water District	\$240,361	\$253,890	-\$13,529	-5.3%
Moulton Niguel Water District	\$540,494	\$570,916	-\$30,423	-5.3%
Newport Beach, City of	\$267,550	\$282,610	-\$15,059	-5.3%
Orange, City of	\$339,422	\$358,527	-\$19,105	-5.3%
Orange County Water District	\$356,313	\$0	\$356,313	∞
San Clemente, City of	\$177,292	\$187,271	-\$9,979	-5.3%
San Juan Capistrano, City of	\$116,329	\$122,876	-\$6,548	-5.3%
Santa Margarita Water District	\$532,523	\$562,497	-\$29,974	-5.3%
Seal Beach, City of	\$55,293	\$58,406	-\$3,112	-5.3%
Serrano Water District	\$23,204	\$24,510	-\$1,306	-5.3%
South Coast Water District	\$123,714	\$130,677	-\$6,963	-5.3%
Trabuco Canyon Water District	\$40,584	\$42,868	-\$2,284	-5.3%
Westminster, City of	\$206,608	\$218,237	-\$11,629	-5.3%
Yorba Linda Water District	\$252,348	\$266,552	-\$14,204	-5.3%
Total	\$6,686,660	\$6,686,660	\$0	

Scenario 1B

Step 1: Determine OCWD responsible cost

- OCWD is charged for ALL cost centers by equally dividing all costs amongst OCWD (1/26) and the remaining agencies (excluding WEROC)

Step 2: Allocate remaining cost to retail agencies based on the number of meters

Scenario 1B

Agency	FY 2016			
	Proposed Costs	FY 2016 Current Costs	Change (\$)	Change (%)
Brea, City of	\$128,755	\$133,791	-\$5,037	-3.8%
Buena Park, City of	\$195,382	\$203,025	-\$7,643	-3.8%
East Orange County Water District	\$217,529	\$226,038	-\$8,509	-3.8%
El Toro Water District	\$102,682	\$106,699	-\$4,017	-3.8%
Fountain Valley, City of	\$175,230	\$182,085	-\$6,855	-3.8%
Garden Grove, City of	\$352,475	\$366,263	-\$13,788	-3.8%
Golden State Water Company	\$427,727	\$444,459	-\$16,732	-3.8%
Huntington Beach, City of	\$553,360	\$575,007	-\$21,647	-3.8%
Irvine Ranch Water District	\$1,040,009	\$1,080,693	-\$40,684	-3.8%
La Habra, City of	\$142,381	\$147,951	-\$5,570	-3.8%
La Palma, City of	\$45,254	\$47,024	-\$1,770	-3.8%
Laguna Beach County Water District	\$90,257	\$93,787	-\$3,531	-3.8%
Mesa Water District	\$244,332	\$253,890	-\$9,558	-3.8%
Moulton Niguel Water District	\$549,424	\$570,916	-\$21,493	-3.8%
Newport Beach, City of	\$271,971	\$282,610	-\$10,639	-3.8%
Orange, City of	\$345,030	\$358,527	-\$13,497	-3.8%
Orange County Water District	\$251,725	\$0	\$251,725	∞
San Clemente, City of	\$180,221	\$187,271	-\$7,050	-3.8%
San Juan Capistrano, City of	\$118,250	\$122,876	-\$4,626	-3.8%
Santa Margarita Water District	\$541,321	\$562,497	-\$21,176	-3.8%
Seal Beach, City of	\$56,207	\$58,406	-\$2,199	-3.8%
Serrano Water District	\$23,587	\$24,510	-\$923	-3.8%
South Coast Water District	\$125,758	\$130,677	-\$4,919	-3.8%
Trabuco Canyon Water District	\$41,255	\$42,868	-\$1,614	-3.8%
Westminster, City of	\$210,021	\$218,237	-\$8,216	-3.8%
Yorba Linda Water District	\$256,517	\$266,552	-\$10,035	-3.8%
Total	\$6,686,660	\$6,686,660	\$0	

Summary - Charges

Agency	Current Cost	Scenario 1A	Scenario 1B
Brea, City of	\$133,791	\$126,662	\$128,755
Buena Park, City of	\$203,025	\$192,207	\$195,382
East Orange County Water District	\$226,038	\$213,993	\$217,529
El Toro Water District	\$106,699	\$101,013	\$102,682
Fountain Valley, City of	\$182,085	\$172,382	\$175,230
Garden Grove, City of	\$366,263	\$346,746	\$352,475
Golden State Water Company	\$444,459	\$420,775	\$427,727
Huntington Beach, City of	\$575,007	\$544,366	\$553,360
Irvine Ranch Water District	\$1,080,693	\$1,023,105	\$1,040,009
La Habra, City of	\$147,951	\$140,067	\$142,381
La Palma, City of	\$47,024	\$44,518	\$45,254
Laguna Beach County Water District	\$93,787	\$88,790	\$90,257
Mesa Water District	\$253,890	\$240,361	\$244,332
Moulton Niguel Water District	\$570,916	\$540,494	\$549,424
Newport Beach, City of	\$282,610	\$267,550	\$271,971
Orange, City of	\$358,527	\$339,422	\$345,030
Orange County Water District	\$0	\$356,313	\$251,725
San Clemente, City of	\$187,271	\$177,292	\$180,221
San Juan Capistrano, City of	\$122,876	\$116,329	\$118,250
Santa Margarita Water District	\$562,497	\$532,523	\$541,321
Seal Beach, City of	\$58,406	\$55,293	\$56,207
Serrano Water District	\$24,510	\$23,204	\$23,587
South Coast Water District	\$130,677	\$123,714	\$125,758
Trabuco Canyon Water District	\$42,868	\$40,584	\$41,255
Westminster, City of	\$218,237	\$206,608	\$210,021
Yorba Linda Water District	\$266,552	\$252,348	\$256,517
Total	\$6,686,660	\$6,686,660	\$6,686,660

Summary – Dollar Change

Agency	Scenario 1A	Scenario 1B
Brea, City of	-\$7,129	-\$5,037
Buena Park, City of	-\$10,819	-\$7,643
East Orange County Water District	-\$12,045	-\$8,509
El Toro Water District	-\$5,686	-\$4,017
Fountain Valley, City of	-\$9,703	-\$6,855
Garden Grove, City of	-\$19,517	-\$13,788
Golden State Water Company	-\$23,684	-\$16,732
Huntington Beach, City of	-\$30,640	-\$21,647
Irvine Ranch Water District	-\$57,587	-\$40,684
La Habra, City of	-\$7,884	-\$5,570
La Palma, City of	-\$2,506	-\$1,770
Laguna Beach County Water District	-\$4,998	-\$3,531
Mesa Water District	-\$13,529	-\$9,558
Moulton Niguel Water District	-\$30,423	-\$21,493
Newport Beach, City of	-\$15,059	-\$10,639
Orange, City of	-\$19,105	-\$13,497
Orange County Water District	\$356,313	\$251,725
San Clemente, City of	-\$9,979	-\$7,050
San Juan Capistrano, City of	-\$6,548	-\$4,626
Santa Margarita Water District	-\$29,974	-\$21,176
Seal Beach, City of	-\$3,112	-\$2,199
Serrano Water District	-\$1,306	-\$923
South Coast Water District	-\$6,963	-\$4,919
Trabuco Canyon Water District	-\$2,284	-\$1,614
Westminster, City of	-\$11,629	-\$8,216
Yorba Linda Water District	-\$14,204	-\$10,035
Total	\$0	\$0

Summary – Percent Change

Agency	Scenario 1A		Scenario 1B	
Brea, City of		-5.3%		-3.8%
Buena Park, City of		-5.3%		-3.8%
East Orange County Water District		-5.3%		-3.8%
El Toro Water District		-5.3%		-3.8%
Fountain Valley, City of		-5.3%		-3.8%
Garden Grove, City of		-5.3%		-3.8%
Golden State Water Company		-5.3%		-3.8%
Huntington Beach, City of		-5.3%		-3.8%
Irvine Ranch Water District		-5.3%		-3.8%
La Habra, City of		-5.3%		-3.8%
La Palma, City of		-5.3%		-3.8%
Laguna Beach County Water District		-5.3%		-3.8%
Mesa Water District		-5.3%		-3.8%
Moulton Niguel Water District		-5.3%		-3.8%
Newport Beach, City of		-5.3%		-3.8%
Orange, City of		-5.3%		-3.8%
Orange County Water District				
San Clemente, City of		-5.3%		-3.8%
San Juan Capistrano, City of		-5.3%		-3.8%
Santa Margarita Water District		-5.3%		-3.8%
Seal Beach, City of		-5.3%		-3.8%
Serrano Water District		-5.3%		-3.8%
South Coast Water District		-5.3%		-3.8%
Trabuco Canyon Water District		-5.3%		-3.8%
Westminster, City of		-5.3%		-3.8%
Yorba Linda Water District		-5.3%		-3.8%

A&F Committee Feedback?

Proposed Schedule

TOPIC	DATES
GUIDING PRINCIPLE DISCUSSIONS WITH A&F COMMITTEE	A&F Committee Meeting – 1/13/2016 Managers Meeting – 1/21/2016 Managers Meeting – 2/4/2016 A&F Committee Meeting – 2/10/2016
WHOLESALE RATE MODEL DEVELOPMENT	February
RATE STRUCTURE WORKSHOP WITH A&F COMMITTEE AND MEMBER AGENCIES	A&F Committee Meeting – 3/9/2016 Managers Meeting – 3/17/2016 A&F Committee Meeting – 4/13/16 A&F Committee Meeting – 5/11/16
REPORT DEVELOPMENT & FINAL PRESENTATION	Board Meeting – 5/18/2016

Discussion

GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES APRIL 2016

Managers' Meeting	<p>MWDOC held its Managers' meeting on March 17 at its office in Fountain Valley. In attendance were Marc Marcantonio and Steve Conklin (YLWD); Sanjay Gaur and Steve Gagnon (Raftelis Financial); Howard Johnson (Brady); Dan Ferons (SMWD); Ken Vecchiarelli (GSWC); Steffen Catron and George Murdoch (Newport Beach); Andy Brunhart (SCWD); Eric Bauman (San Juan Capistrano); Jose Diaz (Orange); Neely Shahbakhti (ETWD); David Spitz (Seal Beach); Paul Shoenberger and Phil Lauri (Mesa); Brian Ragland (Huntington Beach); Matt Collings (MNWD); Renae Hinchey and David Youngblood (LBCWD); Paul Cook and Paul Weghorst (IRWD); Hector Ruiz (TCWD); Mark Sprague (Fountain Valley); Michael Grisso (Buena Park); Dave Rebensdorf (San Clemente); Lisa Ohlund (EOCWD); Scott Miller (Westminster); Mike Markus and John Kennedy (OCWD) and Karl Seckel; Harvey De La Torre; Hilary Chumpitazi; Melissa Baum-Haley; Kevin Hostert; Keith Lyon and myself of staff.</p> <p>The agenda included the following:</p> <ol style="list-style-type: none"> 1. Presentation by Marc Marcantonio, General Manager, YLWD- Request for Amicus Briefs related to the Prop 218 Process. 2. Presentation by Raftelis on MWDOC's Rate Study 3. First Draft MWDOC FY 16-17 Budget 4. MET's Budget and Rates 2017-18 5. Water Loss Control Report 6. MWDOC Drought Allocations and Water Usage Tracking <p>The next meeting is scheduled for Thursday, April 21.</p>
AMWA Conference	<p>In Washington, DC, I attended the Association of Metropolitan Water Agencies (AMWA) 2016 Water Policy Conference which featured discussions on financing, sustainability and the Flint water crisis.</p>
Newport Beach Chamber of Commerce	<p>Jonathan worked with the Newport Beach Chamber of Commerce to coordinate a presentation I gave at the organization's "Speak Up Newport" event at City Hall.</p>

MET ITEMS CRITICAL TO ORANGE COUNTY

MET's Water Supply Conditions

DWR increased the State Water Contractor's "Table A" Allocation from 30% to 45%

On March 17, the California Department of Water Resource (DWR) increased its water delivery allocation for State Water Contractors (SWC) to 45% of requested SWP water for 2016. This will provide MET with close to 900,000 AF for 2016. The SWC "Table A" Allocation increased from 30% to 45% as a result of much improved precipitation and snowpack levels from the early March storms, boosting key State reservoir levels.

Lake Oroville in Butte County, the SWP's principal reservoir, is holding over 3.0 million AF, 86% of its 3.5 million AF capacity and 113% of its historical average for the date. Shasta Lake, which is north of Redding and California's and the Central Valley Project's (CVP) largest reservoir, was holding 3.9 million AF, 88% of its 4.5 million AF capacity and 109% of its historical average. But San Luis Reservoir, a critical south-of-Delta pool for both the SWP and CVP, was holding only 1.02 million AF, 51% of its 2.0 million AF capacity and just 57% of average storage for the date. In fact, the gains in Lake Oroville have resulted in releases of water from its spillway for the first time in five years. At 86% full, releases are required by the Army Corps of Engineers to keep room available in the reservoir in case of a major flood event.

In addition, Delta pumping restrictions during the storm events in March resulted in significant losses to the ocean. According to MET staff, from March 1 to March 21, the SWP pumps were operating between 2,000 to 3,700 cubic feet per second (cfs) per day, even though the SWP pumping capacity is 10,300 cfs per day causing as much as 345,660 AF to be lost to the ocean over a 21 day period.

Unfortunately, the above average precipitation has not occurred for the entire state. Central and Southern California still remain near or below average conditions. This unbalance is causing DWR to state that the drought has not ended for California. The gains this winter season with near-average conditions throughout the State do not compensate for the four prior years of drought, according to DWR.

"February reminded us how quickly California's weather can turn from wet to dry. The lessons of this drought is that we all need to make daily conservation a way of life," stated DWR Director, Mark Cowin.

MET's Finance and Rate Issues	<p><u>MET Financial Report</u></p> <p>MET held Budget Board Workshops #3 and #4 last month, where MET staff presented an overview of the major cost drivers associated with the rate adjustments, Costs of Service Study, and Capital Improvement Plan for the proposed Biennial Budget and Rates for FY 2016/17 and FY 2017/18. Along with the budget, MET staff provided a description of the methodology and calculation of a newly proposed Fixed Treatment Charge.</p> <p>MWDOC staff provided a detailed presentation on the MET staff recommendation for the proposed biennial budget as well as a description of the proposed Fixed Treatment Charge, along with financial comparisons of viable options at this month's MWDOC Board Workshop on MET Issues. The MET Board adopted rates and charges at its April 12 Board meeting but did not adopt the fixed treatment charge.</p>
Colorado River Issues	<p><u>Condition on the Colorado River Basin</u></p> <p>The Colorado River Basin (Basin) experienced warm and dry conditions during February. As a result, the runoff forecast for the Basin was lowered to 89% of average in late February, with an expectation of a lower figure when the official March 2016 forecast is made. Last fall, long range forecasts suggested that the strong El Nino conditions favored a wet year for the Basin, but as of March 1, 2016, these conditions have not materialized, and with the updated information, the forecast for the Basin is to have its driest year since 2013. On March 1, 2016, Lake Mead stood at 1,082 feet; the lowest level for that date since the reservoir was initially filled. The current forecast projects the reservoir to end the year at 1,077 feet, which would avoid a first-ever shortage declaration by 2 feet. If dry conditions continue, it is possible that the Lake Mead projection could drop, triggering a shortage for 2017.</p> <p><u>Reclamation to add \$5 million for System Conservation</u></p> <p>On February 8, in response to ongoing drought conditions, the Bureau of Reclamation (Reclamation) approved the addition of \$5 million to the Pilot System Conservation Program (Program). The Program was approved in 2014 with contributions from Denver Water, Southern Nevada Water Authority, Central Arizona Project, Reclamation, and Metropolitan totaling \$11 million for water conservation activities in the Basin. The saved water would be added to storage in Lake Mead or Powell, depending on whether it is an Upper Basin or Lower Basin project. All of the initial funding has been obligated, and a report</p>

Colorado River Issues (Continued)	<p>summarizing the Program is being developed. With the additional funding announcement from Reclamation, and potentially additional funding from the other partners, another request for conservation proposals will be released. In order to be utilized to fund the Program, Reclamation's additional contribution must be obligated by September 30 of this year.</p> <p><u>United States and Mexico Continue to Discuss Follow-up to Minute 319</u></p> <p>In February, representatives from the United States and Mexico continued to meet to develop a framework for a follow-up agreement to Minute 319 to the United States-Mexico International Water Treaty, which was executed in 2012. While there continues to be many aspects of the agreement that still need to be developed, it is anticipated that "Minute 32X", as it is referred to, will include the following components: (1) a conservation project in Mexico that Met would be able to partner in; (2) a release of water to the Colorado River Delta following the historic environmental pulse flow of 2014; and (3) rules for Mexico to store water in Lake Mead and for the sharing of surplus and shortage conditions with the United States. The parties have a goal to finalize the agreement by the end of 2016. If an agreement for Minute 32X is reached, the Lower Basin water agencies, including Met, would need to approve implementing agreements for Minute 32X to be effective.</p>
Bay Delta/State Water Project Issues	<p><u>Bay Delta Conservation Plan/California WaterFix</u></p> <p>On January 28, 2016, the State Water Resources Control Board (SWRCB) conducted a pre-hearing conference for the California WaterFix Project water right change petition hearing. The petition requests changes in water rights for DWR and Reclamation which are needed to add points of diversion of water on the Sacramento River for the California WaterFix Project. Following the pre-hearing conference, the SWRCB issued a ruling on the procedural issues on February 11. The ruling modifies the hearing schedule to provide more time for interested parties, other than the petitioners, to submit their written testimony. DWR and USBR submitted opening briefs March 1, 2016, and the hearing is scheduled to begin on April 7, 2016. However, on March 28, DWR and Reclamation requested a 60-day continuance on the hearings at the SWRCB. The agencies stated that they believe the extra time could help resolve or consolidate the protests from a number of environmental groups, Delta and Northern California entities. The SWRCB is considering this request for a continuance.</p>

<p>Bay Delta/State Water Project Issues (Continued)</p>	<p><u>State Water Resources Control Board (SWRCB)</u></p> <p>MET staff continues to coordinate with the State Water Contractors (SWC) to provide input to SWRCB Bay-Delta Water Quality Control Plan planning efforts and enforcement actions related to SWRCB-issued curtailment notices. The SWC is actively involved in depositions pertaining to SWRCB enforcement actions against two in-Delta water users: Byron-Bethany and Westside Irrigation Districts. SWC filed a notice to appear in the defense phase of the enforcement action. SWC participation will be limited to issues relevant to the SWC stored water complaint.</p> <p><u>Delta Flood Emergency Management Plan</u></p> <p>MET is coordinating with DWR to test the readiness of the Emergency Management Tool (ERT), a tactical predictive tool developed by DWR to estimate time and resources to repair multiple island failures in the Delta, including the development of the emergency freshwater pathway for water export resumption. The tool is capable of predicting the repair times for failures up to about fifteen islands in the central and south Delta; however, it requires additional refinement for greater island failure scenarios. Based on work done to date, the ERT suggests the freshwater pathway can be restored within the range of about six months; however, larger island failure scenarios must be tested. Model refinements should be completed in several months, which will be followed by completion of the DWR Delta Flood Emergency Response Plan.</p> <p>The Governor's Office of Emergency Services reported that the draft Northern California Catastrophic Flood Response Plan over a ten-county region will be developed by August 2016. This will include response to critical emergency needs such as transportation, search and rescue, medical and public health, care and shelter, and repair of critical infrastructure. DWR will be responsible for the preparation of the response brief for critical water infrastructure in the Delta, including island repair and restoration of water export capabilities, the development of the freshwater pathway and the actions necessary for declaration of state and federal emergencies.</p> <p>DWR is implementing a grant program to help ensure the readiness of counties and reclamation districts in the Delta region. This program focuses on training, material stockpiles for emergency response and communications needs. As a result, DWR and local agencies can utilize</p>
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<p>Bay Delta/State Water Project Issues (Continued)</p>	<p>common communications equipment and facilities for emergency response, facilitated by the installation of a large radio tower on Twitchell Island.</p> <p><u>Metropolitan Approves Purchase of Property in Bay-Delta Region</u></p> <p>Metropolitan General Manager, Jeff Kightlinger, posted the following statement regarding MET's purchase of islands in the Bay-Delta region:</p> <p>“On March 8, Metropolitan's Board authorized staff to enter into an agreement to purchase the Delta Wetlands Properties which consists of four islands and tracts in the central Sacramento-San Joaquin Delta and part of a fifth island in the far western Delta. While Metropolitan has long owned land in the Palo Verde Valley in southeastern California as part of our overall water management strategy for the Colorado River, this would represent our first ownership of land to support water supply reliability, emergency response, climate change and ecosystem activities associated with our Northern California supply via the State Water Project.</p> <p>Why Delta Wetlands, why now and what to do with these lands? This is essentially an investment in security.</p> <p>There are many possible uses of these islands that could advance more sustainable land practices in the Delta in the future. In the long run, that is in the interest of both the Delta and Metropolitan. As a public agency, we can take a long range view on ownership and management practices in ways that a private interest might not.</p> <p>The Delta is officially recognized by state policy as an "evolving place" because various forces of nature are transforming this estuary over time. Converting this vast marshland into a static set of islands by constructing more than 1,100 levees created islands suitable for farming. But farming these islands since the Gold Rush has oxidized and eliminated nearly half of the soils, and it destroyed almost all wetlands habitat. Climate change is bringing additional pressures, such as rising sea levels, driving even more changes to the ecosystem. Some new approaches are worth exploring, such as:</p> <ul style="list-style-type: none"> • Reconstructing tidal wetlands by removing levees and allowing the daily tides to flow over the lands. This is particularly suitable for Chipps Island in the far western Delta.
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Bay Delta/State Water Project Issues (Continued)	<ul style="list-style-type: none"> Restoring some farmlands with native tule vegetation to both rebuild peat soils and reduce carbon emissions, a potential offset in the future California carbon market. Creating seasonal (non-tidal) wetlands and using wildlife-friendly farming practices to improve waterfowl habitat and achieve possible mitigation requirements for these critical species. <p>From a direct water supply perspective, three of the islands and tracts can help counteract the potential of salt water intrusion in the event of levee failures from earthquakes, flooding or other causes. And two of the islands are along the proposed tunnel pipeline alignment for California WaterFix, the emerging state-federal plan to modernize the Delta water system and could have value as construction staging areas.</p> <p>Metropolitan has a good track record when it comes to owning land. We have been good neighbors in the Palo Verde Valley with management practices that are good for farming and for reliable water supplies. We intend to bring that same ethic and commitment to the Delta.”</p>
<h2 style="text-align: center;">ENGINEERING & PLANNING</h2>	
Baker Treatment Plant	<p>MWDOC has requested that IRWD be permitted to utilize the new OC-33 Mag Meter at a lower flow rate that the manufacturer of the meter indicates is acceptable, but it does not comply with MET's administrative code; this would be a temporary request until such time as the plant becomes operational. MWDOC is awaiting a response from MET.</p> <p>A meeting is scheduled for April 19 on the invoicing of water through the plant. IRWD and MWDOC will work together to include the Baker Treatment Plant (BTP) water on MWDOC water bills to the other agencies receiving water from the BTP.</p>
Doheny Desalination Project	<p>South Coast Water District (SCWD) is continuing to pursue a 5 mgd ocean desalination project. SCWD just completed the Foundational Action Program work and has provided copies to MWDOC. Work is underway to conduct a Science Advisory Panel on the work.</p> <p>MWDOC is working on the decommissioning and removal of the test facilities.</p>

Poseidon Desal Project	The Poseidon date for consideration of the permit from the California Coastal Commission is now set for July 2016.
San Juan Basin Authority	Director Susan Hinman and Karl attended the special SJBA Authority meeting in March where the final Foundational Action Funding Program report was reviewed and approved by the Board. Work is underway to conduct a Science Advisory Panel on the work.
EOCWD New Meter	Keith Lyon and Kevin Hostert met with Jerry Mendzer and Matt Plummer of EOCWD and Ron Taraporewalla and Marty Smith of MET to concur with the location for installation of a new meter to assist with an upcoming flow test process along with a visual inspection of the check valve and venturi meter at the OC-70 service connection. The work involves resolving an apparent flow discrepancy between the EOCWD system and the MET meter. EOCWD will proceed with the new meter installation and then the flow test will be scheduled.
SCWD Board Meeting	On March 24, Director Susan Hinman and Karl attended a special South Coast Water District Board meeting where a presentation was made on the Doheny Foundational Action Funding Program Study which was approved by the Board. Work is underway to conduct a Science Advisory Panel on the work.
Santiago Aqueduct Commission	Karl Seckel attended the Santiago Aqueduct Commission (SAC) meeting where the budget for 2016-17 was approved and included the water deliveries for about nine months of the coming fiscal year for the new Baker Water Treatment Plant. The need for another SAC meeting to approve the OC-33 service connection with MET will probably be needed in May.
SMWD LRP Application	MWDOC, on behalf of Santa Margarita WD, submitted an LRP Application to MET for the Lake Mission Viejo Advanced Purification Water Treatment Facilities. When completed later in 2016, the Project would supply about 300 AFY of refill water to Lake Mission Viejo that would offset the use of potable imported water. As a follow up, Karl and Keith participated in a phone conference with Don Bunts from SMWD and Ray Mokhtari and Nadia Hardjadinata from MET to review the application. SMWD will provide a revised application based on comments from that conference call.
Orange County Reliability Study	Two Reliability Workgroup Study meetings were held during the month and a meeting with OCWD staff and MWDOC's consultant to discuss assumptions and operations of the OCWD groundwater basin to set the modeling assumptions for the portfolio analyses. One meeting was held with the SOC agencies to discuss test portfolios to analyze for the SOC Reliability study.
East Orange County Feeder No. 2	MWDOC staff received proposals and will be awarding an engineering contract pursuant to the Invitation to Submit an SOQ and Input on Engineering and Operations of Pipelines in Orange County. The purpose of the solicitation is to engage engineering firms experienced with MET's

East Orange County Feeder No. 2 (Continued)	<p>large diameter pipeline design (30" to 78" in diameter, mostly steel), and MET's pipeline specifications, operations, water quality issues, maintenance issues and hydraulic control and hydraulic transients control. Overall, this work would help with the following projects:</p> <ol style="list-style-type: none"> 1. Integration of the Poseidon Water 2. Use of the EOCF#2 to move Groundwater in Orange County 3. Use of other pipelines to move Groundwater in Orange County (West Orange County Wellfield Project water conveyance) 4. Expansion of the Emergency Services Project to move emergency water to South Orange County
OCWD Producers Meeting	<p>When Harvey, Keith, Kevin and Melissa attended the April Producers meeting, agenda discussion included: Proposed FY16/17 Replenishment Assessment, Basin Pumping Percentage and Capital Improvement Projects & Repair & Refurbishment budgets; FY15/16 MET Water Purchases; and Changes to MET's Treatment Surcharge.</p>
<h2>EMERGENCY PREPAREDNESS</h2>	
General Activities	<p>Kelly Hubbard participated in the California Emergency Services Association State Board Conference call. Kelly has reduced some of her commitments to this organization, but is working to make sure duties transfer smoothly.</p>
Coordination with Member Agencies	<p>WEROC hosted a U.S. EPA sponsored one-day workshop for drinking water and wastewater utilities entitled "Introduction to Cybersecurity: Workshop and Response Exercise." The workshop introduced attendees to the cybersecurity threat, highlighted the results from on-site cybersecurity assessments conducted at other utilities, and demonstrated some free cybersecurity resources and tools that are available. This was the only session that was offered in EPA Region 9. Agencies Represented: El Toro Water District, WEROC, Irvine Ranch Water District, City of Newport Beach, South Coast Water District and 8 agencies outside of OC.</p> <p>WEROC worked with Irvine Ranch Water District staff and the Orange County Intelligence Assessment Center (OCIAC) to schedule</p>

Coordination with Member Agencies (Continued)	<p>a training titled “Targeting, Sabotage and Disruption of Public Utilities.” IRWD hosted the one-day class for water utility staff and a second day for law enforcement. Attendees were very complimentary of the training and requested more trainings of a similar nature. WEROC is working with the OCIAC staff to evaluate other classes that may be appropriate and will fit within their grant funding for the year. Agencies Represented: City of Garden Grove, State Water Resource Control Board – Division of Drinking Water, Yorba Linda Water District, City of Huntington Beach, City of Fountain Valley, South Orange County Wastewater Authority, City of Orange, Santa Margarita Water District and Irvine Ranch Water District.</p> <p>WEROC staff hosted an Exercise Planning meeting for the water utilities on March 22. The purpose of the meeting was to evaluate what each agency is doing for their spring exercise and what support is needed. It was determined that WEROC would host 2 separate Joint Tabletop Exercises for both WEROC EOC Staff and for Member Agency EOC staff. The group worked together to identify reoccurring training needs. Kelly will utilize this information to create the materials for the joint exercises, as well as provide the materials to the few agencies who will be hosting their own exercises in conjunction with the WEROC exercises. Agency Representation: Yorba Linda Water District, South Coast Water District, Moulton Niguel Water District, East Orange County Water District, Mesa Water District, MWDOC, WEROC, City of Westminster and the State Board – Division of Drinking Water.</p> <p>Orange County Water Procurement and Distribution Planning Update – On February 25 WEROC hosted the first meeting for this planning effort with water utility members and representatives from cities, county departments, American Red Cross and others. The purpose of the meeting was to discuss the roles and responsibilities of various entities during a disaster response to provide drinking water. Since this meeting, Shenandoah Hage has taken the lead in developing several tools: Water Utility Water Distribution Template, City Water Distribution Template, Point of Distribution (POD) Site Evaluation Checklist, and a POD Supplies Checklist. There are several guides available that were utilized, however, staff’s goal is to create tools that lead to true planning with details already identified for actual implementation. Kelly refined the tools that Shenandoah developed and sent them to a small group that has volunteered to provide feedback. A larger planning meeting is scheduled for April 20 in which the refined tools will be presented and discussed. This is a critical effort for emergency response in OC.</p>
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Coordination with the County of Orange	<p>It is WEROC's and the OCEMO Exercise Design Committee's goal to get more of OC's governmental agencies involved in disaster exercises to make them more realistic and to ensure County readiness. To encourage this concept, the OCEMO Exercise Design Committee developed a training that included "Exercise Design Training" and "EOC Staff Train the Trainer." Kelly provided the Exercise Design Training for the March offering of this training. There were 30 attendees with 10 of the WEROC water utilities represented. This same class will be provided again in July to encourage participation in the Fall exercise. Agencies Represented: Cities of Orange, Anaheim, La Palma, Fountain Valley, Santa Ana, Tustin and Westminster and Yorba Linda Water District, South Coast Water District, and Costa Mesa Sanitation District.</p>
Coordination with Outside Agencies	<p>The California Water/Wastewater Agency Response Network (CalWARN) hosts a half-day workshop at the CA-NV AWWA Conference. Kelly was not available to present at this conference (March 24) in Sacramento, but offered to develop a PowerPoint on Mutual Aid Legal Considerations. An experienced water emergency manager from Northern California will be presenting the training for Kelly. Kelly will provide this presentation to the WEROC member agencies at the May WEROC Emergency Coordinators meeting.</p> <p>Brandon coordinated with Victor Galvez from MET to develop a flyer for the upcoming Safety Fest at the Santa Ana Public Yard on May 18. The flyer has been finalized and distributed to increase attendance to the upcoming event. All event information has been finalized and scheduled.</p>
WEROC EOC Readiness	<p>Brandon Stock participated in the OC Operational Area Radio Test and the MET Radio Test. The MET Radio Test was performed with the updated equipment at the MWDOC office. Staff is working with MET to get the MARS radios at the two WEROC EOC's updated by early April.</p> <p>Kelly provided two sessions of new WEROC New EOC Staff Training to 16 individuals. The training was attended by some new WEROC EOC staff, as well as some current staff who wanted a refresher. Additionally, it is part of the OC Division of Drinking Water staff protocol to send their staff to the WEROC EOC during an actual event. They have been rotating their staff through trainings and now all of their staff have received at least the basic training.</p> <p>Brandon conducted the bimonthly test of the WEROC Radio system from the South EOC with 21 agencies responding. Bimonthly radio tests will be conducted from alternate sites to help strengthen the resiliency in communications should a disaster occur.</p>

WEROC EOC Readiness (Continued)	Brandon performed a system update to the Safety Center App which included: update of current WEROC EOC Staff, completion of AlertOC contacts, Member Agency contact information and system access to all current users. Brandon has been working with Facility Dude in the updating of the app and solutions to maximize system management.
WATER USE EFFICIENCY	
CUWCC Special Board Meeting	On March 14, Joe Berg attended the California Urban Water Conservation Council (CUWCC's) Special board meeting whose purpose was to discuss strategic planning for the CUWCC. A concept proposal for reformulation of the CUWCC was finalized and will be presented to the full membership for consideration at the April 13 Plenary meeting. The proposal is designed to strategically advance water use efficiency beyond the Best Management Practices.
Orange County Board of Supervisors	On March 15, Joe attended the Board of Supervisors meeting to provide public comment in support of the County's adoption of the updated Landscape Ordinance. The Board of Supervisors unanimously approved adoption of the Ordinance.
ACC-OC Infrastructure Committee Tour	On March 31, Joe and Jonathan Volzke participated in a tour of Mission Viejo Ranch led by Rancho Mission Viejo Senior Vice Presidents, Dan Kelly and Richard Broming, and Charlie Ware, Director of Governmental and Community Relations. The emphasis of the tour was on how the development has changed and has become more water efficient from phase to phase.
Water Loss Control Workshop	On March 30, Joe attended the Water Loss Control workshop, which was hosted by MWDOC and the CA-Nevada Chapter of the AWWA. Approximately 38 water agency representatives from throughout southern California attended. The workshop focused on distribution system auditing and leak location and detection.
Orange County Water Loss Control Workgroup	On March 1, Joe chaired the Orange County Water Loss Control Workgroup meeting held at MWDOC. Agenda items included: <ul style="list-style-type: none"> • Welcome and Agenda Review • MWDOC Water Loss Control Technical Assistance Update • Second Seminar: Data Validity • Case Study: City of Westminster

Orange County Water Loss Control Workgroup (Continued)	<ul style="list-style-type: none"> • Facilitated Discussion • Water Loss Control Group Shared Services • Wrap-Up • Logistics and Technical Assistance Check-In <p>The next meeting is scheduled for May 31, 2016 at MWDOC.</p>
MET's Water Use Efficiency Workgroup	<p>On March 17, Joe attended MET's Water Use Efficiency Workgroup meeting. Approximately 30 member agencies participated in the meeting. Meeting topics included:</p> <ul style="list-style-type: none"> • Metropolitan Updates <ul style="list-style-type: none"> ○ March Board ○ Monthly Conservation Board Report ○ W9s and 1099s ○ Public Records Act ○ Long Term Conservation Plan ○ Smart Controller Grant ○ Contractor Direct Rebate Option ○ Innovated Conservation Program ○ Community Partnering Program • California's Codes and Standards for Indoor Water Efficiency • California Friendly Landscape Training Program • Member Agency Roundtable <p>The next meeting is scheduled for April 21, 2016 at MET.</p>
Trinity Broadcasting Network Taping	<p>On March 18, Director Jeff Thomas and Joe were interviewed by the "Joy in our Town" television show. Director Thomas discussed the resources in Orange County and the importance of the California Water Fix, while Joe presented on ways that Orange County residents can save water and also recognized some of the great water use efficiency achievements made by Orange County businesses, such as Marcel Electronics International, Oakley, Inc., and Teva Pharmaceuticals. Jonathan coordinated their appearance on the show.</p>
Orange County Water Use Efficiency Coordinators Workgroup	<p>On April 7 Joe, Melissa Baum-Haley, Steve Hedges, Andrew Kanzler, Laura Loewen, and Beth Fahl attended the Orange County Water Use Efficiency Coordinators Workgroup meeting hosted by IRWD. About 22 agencies participated. Highlights of the agenda included:</p> <ul style="list-style-type: none"> • MWDOC Updates • Agency Roundtable/Problem Solving Roundtable <ul style="list-style-type: none"> ○ Agency Drought Response Update • Public Affairs/Marketing Update <ul style="list-style-type: none"> ○ Orange County Register Ads ○ Sunset Magazine Order • SAWPA Aerial Mapping Project

Orange County Water Use Efficiency Coordinators Workgroup (Continued)	<ul style="list-style-type: none"> • WUE Choice Program Cost Allocation • Metropolitan Update <ul style="list-style-type: none"> ○ March Board Meeting ○ Monthly Conservation Board Report ○ Smart Controller Grant ○ Contractor Direct Rebate Option ○ Innovative Conservation Program ○ Community Partnering Program ○ California Friendly Landscape Training Classes • Water Use Efficiency Programs Update <ul style="list-style-type: none"> ○ Turf Removal Program • California Urban Water Conservation Council Updates <p>The next meeting is scheduled for May 5, 2016 at the City of Anaheim.</p>
PUBLIC/GOVERNMENT AFFAIRS	
Member Agency Relations	<p>Heather Baez and Jonathan Volzke attended MWDOC's semi-annual Elected Officials Forum.</p> <p>Jonathan met with new South Coast Water District Public Information Officer, Sonja Morgan.</p> <p>Jonathan and Tiffany Baca attended the ACWA Communications Committee tour of Diamond Valley Lake and Inland Empire water projects.</p> <p>Laura Loewen attended the Water Use Efficiency Coordinators meeting. She coordinated a bulk order of the Sunset Magazine for our member agencies.</p> <p>Laura designed and coordinated the printing for the Spring 2016 Bill Inserts advertising our rebates for our member agencies.</p> <p>At the City of Orange, Laura attended the NPDES Public Education Subcommittee meeting.</p> <p>Tiffany prepared and presented two flyers for the Wyland Foundation's annual Mayors' Challenge for Water Conservation, April 1-30. Challenge details and logistics were emailed to Orange County Mayors and their City Managers. Additional information was emailed to MWDOC Member Agency GM's, PIO's and WUE contacts. Bryce Roberto is managing</p>

Member Agency Relations (Continued)	<p>MWDOC's social media outreach for the Challenge. This no-cost outreach campaign promotes individual contributions to agency reductions in water consumption, which should help cities meet conservation goals.</p> <p>At the South County EOC, Bryce and Jonathan attended a WEROC training session.</p> <p>Bryce compiled data from the "Water Waste" reporting component of ocwatersmart.com and provided said information to the relevant agencies.</p>
Community Relations	<p>Heather attended the grand opening/open house for the Orange County Association of Realtors Fountain Valley office.</p> <p>In Laguna Hills, Jonathan gave a presentation to the Orange County Association of Realtors Green Committee on where OC water comes from and the OC Reliability Study. And in Tustin, he gave the same presentation to the Association of California School Administrators.</p> <p>At the Children's Water Education Festival at UCI, Bryce, Laura, Jonathan and Tiffany presented to approximately 400 children over two days.</p> <p>At the Tree of Life Nursery, Jonathan staffed a booth with water-efficiency team member, Andrew Kanzler, at the OC Garden Friendly event.</p> <p>At the Home Depot in Santa Ana, Laura staffed the OC Garden Friendly event.</p> <p>Bryce crafted the social media messaging for Fix-A-Leak Week, March 14-20, 2016.</p> <p>At the Home Depot in Anaheim, Bryce staffed the March 19 OC Garden Friendly water-use efficiency event.</p> <p>Laura coordinated the Water Awareness Poster & Slogan and the Digital Arts contests. She managed and recorded the students' entries.</p>
Education	<p>Laura and Jonathan toured The Ecology Center in San Juan Capistrano.</p> <p>Laura attended the Water Effect High School expo at Foothill High School and the Water Effect presentations at Laguna Beach High School.</p> <p>Laura worked with the respective agencies with student overage requests and adding new schools to the education program.</p>

Media Relations	<p>Jonathan worked with OC Register reporters to include my quotes in two OC water stories.</p> <p>Jonathan worked with member agencies and the OC Register to produce pages on the California Water Fix, reservoir storage, desalination and water efficiency rebate programs.</p> <p>Laura wrote a news release on “Fix a Leak Week,” which was also posted to the MWDOC website and sent to OC Supervisors for possible inclusion in their newsletters to constituents.</p> <p>Bryce wrote a news release on OC’s performance in water-use reduction per the Governor’s order, which was also posted on the MWDOC website, submitted to ACWA for its homepage, and OC Supervisors for their constituent newsletters.</p> <p>Bryce and Jonathan worked with Harvey to post information about MWDOC’s draft Urban Water Management Plan and an introduction on the MWDOC website.</p> <p>For Social Media, MWDOC posted more than twice daily on its Facebook page, which has an average daily reach of roughly 2,000. A “boosted” post on the poster/slogan contest reached more than 3,200 OC residents.</p>
Special Projects	<p>Tiffany and Bryce attended the bi-annual Inspection Trip Coordinators meeting at MET.</p> <p>Tiffany and Bryce are currently working on trip logistics, guest and Director needs for the following inspection trips:</p> <ol style="list-style-type: none"> 1. April 15-16, Director Ackerman - CRA 2. April 22, Director McKenney - Infrastructure <p>Tiffany has been coordinating with MWDOC/MET Directors and MET staff to submit proposed trip types and dates for the 2016-17 Inspection Trip season.</p> <p>Heather organized and staffed the ISDOC Quarterly Luncheon featuring guest speaker, Paul Walters, Chief of Staff for Supervisor Lisa Bartlett. The member agency spotlight was on Trabuco Canyon Water District, and the Associate Member spotlight was on Best, Best & Krieger. Both gave presentations on their agencies and services. In addition, CSDA presented the Special District Awards</p>

Special Projects (Continued)	<p>Awards to YLWD's Director, Bob Kiley, and General Manager, Marc Marcantonio.</p> <p>Heather staffed the monthly WACO meeting with guest speakers, James Peterson from Townsend Public Affairs, and MET's Kathy Cole, who provided a "What to Expect" this legislative year in Sacramento.</p> <p>Heather, working with Nathan Purkiss, Albert Napoli and Jami Decker from MET helped coordinate a "Community Leaders Briefing" with Assemblyman Matthew Harper. Director McKenney served as the emcee for the event and Steve Arakawa provided a water supply update, and overview of the CA Water Fix and AB 1713 (Eggman). There were roughly 45 people in attendance including city mayors and councilmembers, water district board members, and key community leaders all within Assemblyman Harper's district. Director Tamaribuchi and Jonathan and I also attended the event.</p> <p>Heather staffed the ISDOC Executive Committee meeting where the Board voted to oppose CSDA sponsored SB 885 (Wolk) dealing with public works contracts. (MWDOC's PAL Committee took this same position at its March meeting.) Heather prepared the opposition letter on behalf of ISDOC President Mike Schaefer. Laura also attended the meeting.</p> <p>Jonathan coordinated member agencies' meetings with MWDOC consultant Stetson Engineering for the Consumer Confidence Reports.</p> <p>Heather met with Alicia Dunkin & Crystal Nettles of OCWD to go over upcoming WACO meetings and duties to ensure everyone is on the same page, working together, and dividing duties for successful meetings.</p> <p>Jonathan and Tiffany interviewed three candidates for the Public Affairs internship position. An offer has been extended, and the final candidate is going through HR screening.</p> <p>Tiffany and Laura attended Discovery Cube's annual Bubblefest.</p> <p>Tiffany participated in a Consensus Building class sponsored by OCSD.</p> <p>Tiffany and Bryce are developing layout options and obtaining quotes for a new entryway display.</p>
Water Summit	<p>Jonathan and Tiffany met twice with the Water Summit Committee. Jonathan worked on identifying and confirming panelists.</p>

Water Summit	<p>Tiffany and Bryce conducted a walk-through of the hotel with the AV technician to determine space allotted, equipment needed, and adjustments to prior set-up requirements to adapt to a new venue.</p> <p>Tiffany prepared and sent out 3 unique evites- standard, sponsorships and OC Chambers.</p> <p>Tiffany has been working with sponsors to provide and gather materials and graphics needed, ensure invoices are being delivered (if applicable), confirm in-kind agreements are being met and current handouts are being distributed.</p> <p>Tiffany prepared materials and supplied a variety of links to OCWD's IT technician to update event materials on the ocwatersummit.com website.</p>
Legislative Affairs	<p>In Sacramento, Heather met with staff from the Assembly Parks & Wildlife Committee. Specifically, Heather and Syrus Devers of BB&K dropped in on Robert Boykin from Assemblyman Medina's office; they met with Assemblyman Bill Dodd and his legislative director Les Spahn; Michael Miller, Chief of Staff to Committee Chair Assemblyman Marc Levine; and Michelle Reyes from Assemblyman Matt Dababneh's office. The purpose of the meetings was to reiterate our opposition to AB 1713 (Eggman) and answer any questions about our agency and/or position to this measure.</p> <p>Heather met with Matt Holder to discuss the Air Resources Board and working together in the future.</p> <p>Director Tamaribuchi and Heather, Syrus, Joe Berg, and I met to go over our future goals in Sacramento. An emphasis was placed on the regulatory side and having Joe more involved.</p> <p>Heather participated in the Southern California Water Committee Legislative Task Force Conference Call.</p> <p>Heather participated in MET's Legislative Coordinators Conference Call.</p> <p>Heather monitored MET's Communications and Legislation Committee meeting.</p>

INFORMATION CALENDAR

**MWDOC GENERAL INFORMATION
ITEMS**

MWDOC BOARD OF DIRECTORS

- Brett R. Barbre
- Larry D. Dick
- Wayne Osborne
- Joan Finnegan
- Sat Tamaribuchi
- Jeffery M. Thomas
- Susan Hinman