

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
August 5, 2015, 8:30 a.m.

Teleconference Site:
20989 Park Lane
Rollins, MT 59931
(406) 844-2282

(Members of the Public may attend and participate in the meeting
at both locations.

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC PARTICIPATION/COMMENTS

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.

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 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.)

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. 2017)

PRESENTATION/DISCUSSION/INFORMATION ITEMS**1. UPDATE ON BAY-DELTA ACTIVITIES – PRESENTATION BY STEVE ARAKAWA OF METROPOLITAN WATER DISTRICT (Approximate Presentation Time: 20 Minutes)**

Recommendation: Review and discuss the information presented.

2. ORANGE COUNTY'S DROUGHT PERFORMANCE REPORT

Recommendation: Review and discuss the information presented.

3. MET 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 and in the Huntington Beach Ocean Desalination Project (Poseidon Desalination Project)
- f. Orange County Reliability Projects
- g. East Orange County Feeder No. 2

Recommendation: Discuss and provide input on information relative to the MET items of critical interest to Orange County.

4. OTHER INPUT OR QUESTIONS ON MET ISSUES FROM THE MEMBER AGENCIES**5. METROPOLITAN (MET) BOARD AND COMMITTEE AGENDA DISCUSSION ITEMS**

- a. Summary regarding July MET Board Meeting
- b. Review items of significance for MET Board and Committee Agendas

Recommendation: Review and discuss the information presented.

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 telephoning 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.



DISCUSSION ITEM

August 5, 2015

TO: Board of Directors

FROM: Robert Hunter
General Manager

Staff Contact: Harvey De La Torre

SUBJECT: Update on Bay-Delta Activities – Presentation by Steve Arakawa of Metropolitan Water District

STAFF RECOMMENDATION

Staff recommends the Board of Directors review and discuss this information

REPORT

In April, the State announced modifications to the Bay-Delta Conservation Plan (BDCP) in the form of two new proposals - "California WaterFix" and "Eco-Restoration". Last month, the California Department of Water Resources and the U.S. Bureau of Reclamation issued a joint Partially Recirculated Draft Environmental Impact Report/ Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) which included the details of the California WaterFix and its revisions to the Draft 2013 BDCP.

To further explain the State's new proposals and what these key changes compare to the 2013 BDCP Draft EIR/EIS, MWDOC has invited Steve Arakawa of Metropolitan Water District to our Board Workshop.

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core _X_	Choice __
Action item amount: n/a	Line item:		
Fiscal Impact (explain if unbudgeted):			



DISCUSSION ITEM

August 5, 2015

TO: Board of Directors

FROM: Robert Hunter
General Manager

Staff Contact: Harvey De La Torre

SUBJECT: ORANGE COUNTY'S DROUGHT PERFORMANCE REPORT

STAFF RECOMMENDATION

Staff recommends the Board of Directors review and discuss this information

BACKGROUND

On April 1, 2015, Governor Brown issued the fourth in a series of Executive Orders on actions necessary to address California's severe drought conditions, which directed the State Water Resource Control Board (State Board) to implement mandatory water reductions in urban areas to reduce potable urban water usage by 25 percent statewide. On May 5, 2015, the State Board adopted an emergency conservation regulation, in accordance with the Governor's directive, setting nine tiers of increasing levels of residential water use (R-GPCD) reduction target to reach the statewide 25 percent reduction mandate

The State Board created this approach to lessen the disparities in reduction requirements between agencies that have similar levels of water consumption, but fall on different sides of dividing lines between tiers. Each Orange County retail agency was assigned a conservation standard that ranges between 8% and 36% based on their R-GPCD for the months of July – September, 2014.

Below are the State Board's conservation tiers for retail agencies:

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core <input checked="" type="checkbox"/> _	Choice ___
Action item amount: n/a	Line item:		
Fiscal Impact (explain if unbudgeted):			

Tier	R-GPCD Range		# of Suppliers in Range	Conservation Standard
	From	To		
1	reserved		0	4%
2	0	64.9	23	8%
3	65	79.9	24	12%
4	80	94.9	44	16%
5	95	109.9	51	20%
6	110	129.9	48	24%
7	130	169.9	82	28%
8	170	214.9	54	32%
9	215	612.0	85	36%

The State Board has concluded that communities around the state, over half (and up to 80 percent) of total residential water use is for outdoor irrigation during the summer months. The State Board views the summer months as the greatest opportunity for making substantial conservation gains and has ask retail water agencies for immediate action. As a result, the Board began assessing compliance with the submittal of the June monthly report on July 15, 2015. Beyond June, the Board will track compliance on a cumulative basis. Cumulative tracking means that conservation savings will be added together from one month to the next and compared to the amount of water used during the same months in 2013. This tracking will look like the sample graph below.

Example Comparison of Monthly Savings and Cumulative Savings

	2013 Water Use	2015 Water Use	Monthly savings	Cumulative or Running Savings
June	1000	800	20%	20%
July	1500	1050	30%	26%
August	1200	1020	15%	22%
September	900	825	8%	20%

For Orange County, the aggregated water savings target among the retail agencies is 21.73% per month with O.C. agencies representing tiers 8% to 36%.

Although the State Board's mandatory reductions are aggressive, Orange County's water usage has gradually decreased this past year. In fact, we have seen the average monthly water usage decrease 6.40% from June 2014 to May 2015 compared to CY 2013. For May 2015, Orange County reported a total water savings of 25.78% compared to May 2013. We attribute these savings to the strong water conservation campaigns and the above average precipitation in the early summer months.

REPORT

For the first month of the State Board's mandatory reduction, **Orange County retail water agencies reported an aggregated water saving of 23.86% for the month of June 2015 (compared to June 2013 water usage). This exceeded our Orange County month conservation target by 2.13%.** This is mainly due to exceptionally aggressive water conservation campaigns. It is interesting to note, that June's water savings occur during a month that recorded a slightly higher than average daily temperature (June 2015 - 81 degrees vs. June average of 79 degrees) and no rainfall. Typically, higher temperatures result in higher water usage, but this June's water usage was one of the lowest in years; thus illustrating the effectiveness of the County's water efficiency efforts and messaging.

July 2015 water usage outlook is also shaping up to be very promising. The remnants of Hurricane Delores brought record rainfall amounts to Southern California. July 2015 rainfall totals were the highest ever recorded for that month. The July rainfall should result in significant water savings and help retail agencies meet their water conservation targets. Staff will report on these numbers next month.



Orange County's Drought Performance Report

Municipal Water District of Orange County

O.C. Conservation Saving Goals

Orange County Average = 22%

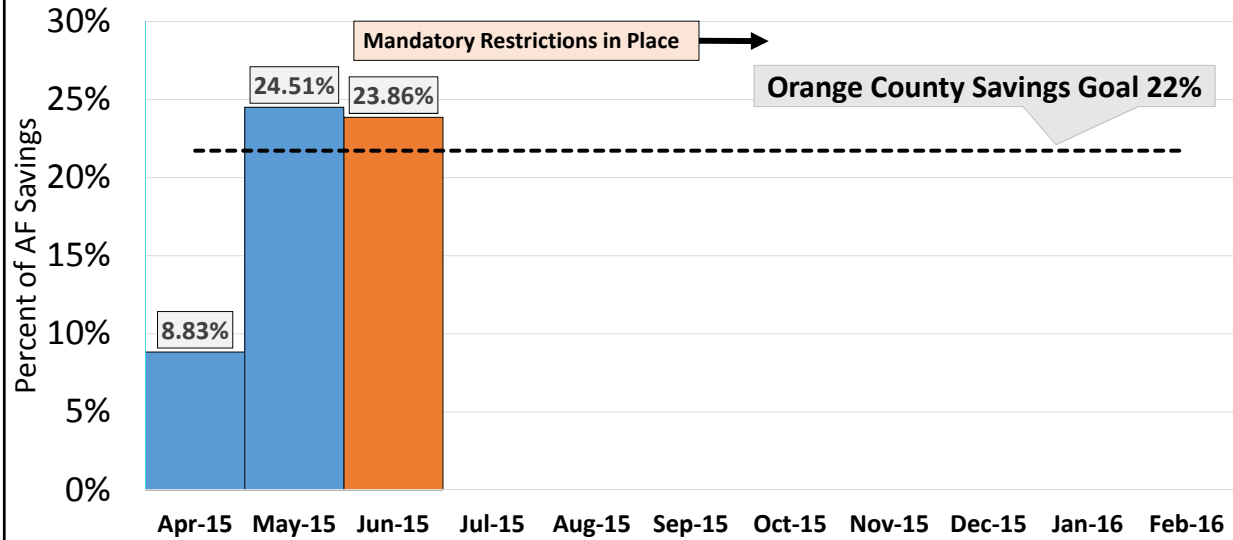
Anaheim	20%	Huntington Beach	20%	Santa Ana	12%
Brea	24%	IRWD	16%	SMWD	24%
Buena Park	20%	La Habra	28%	Seal Beach	8%
EOCWD	36%	La Palma	20%	Serrano WD	36%
ETWD	24%	LBCWD	24%	South Coast WD	24%
Fountain Valley	20%	Mesa Water	20%	Trabuco Canyon	28%
Fullerton	28%	MNWD	20%	Tustin	28%
Garden Grove	20%	Newport Beach	28%	Westminster	20%
GS-Cowan Heights	36%	Orange	28%	Yorba Linda	36%
GS-Placentia	24%	San Clemente	24%		
GS-West Orange	16%	SJ Capistrano	28%		



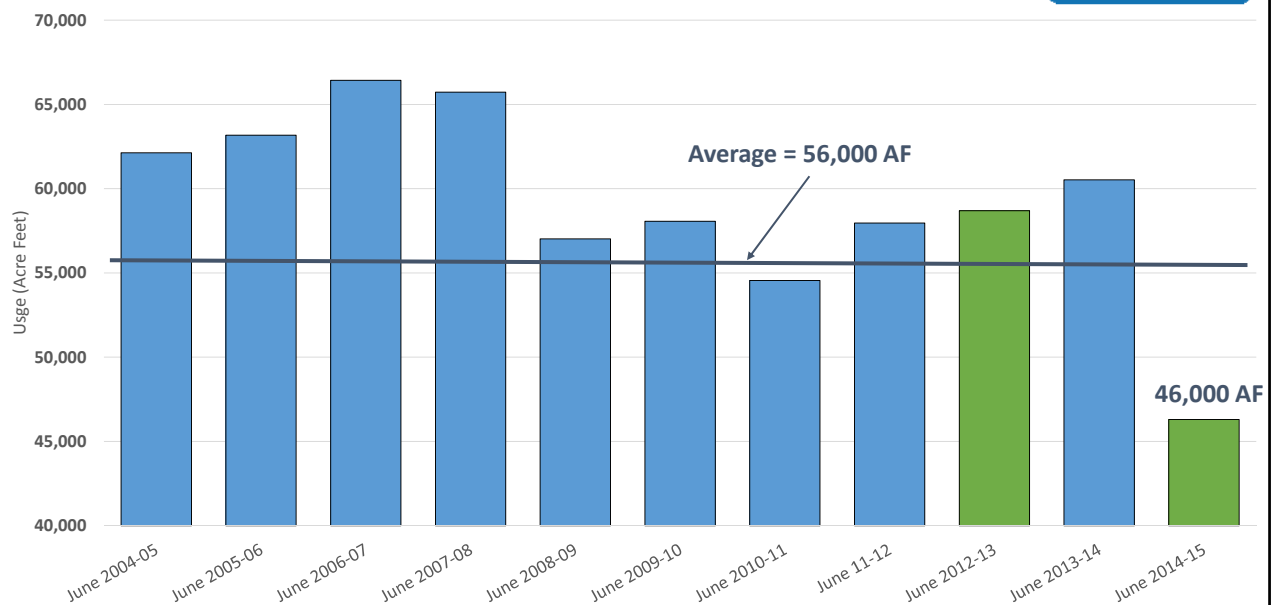
O.C. Water Savings Reported to SWRCB



Average Monthly Water Savings for Orange County (2014-15 Vs CY 2013)



OC Historical June Water Usage



Outlook for Next Month

- 💧 Water usage for July 2015 is also projected to be lower than 2013
- 💧 Rainfall totals for July 2015 were the highest ever recorded for that month
- 💧 MET is also reporting July 2015 imported water sales to be lower than June 2015



5



Questions



Item No. 3

DISCUSSION ITEM

August 5, 2015

TO: Board of Directors & MWD Directors

FROM: Robert J. Hunter
General Manager

Staff Contact: Harvey De La Torre

SUBJECT: MWD Items Critical To Orange County

STAFF RECOMMENDATION

Staff recommends the Board of Directors to review and discuss this information.

SUMMARY

This report provides a brief update on the current status of the following key MWD issues that may affect Orange County:

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

ISSUE BRIEF # A

SUBJECT: MWD's Water Supply Conditions

RECENT ACTIVITY

Estimated SWP and CRA Supplies for 2015

Metropolitan's "Table A" supplies from the State Water Project (SWP) remain at 20%, equaling 382,000 AF. With less than 10% of the precipitation typically occurring in the remaining months of the water year and little to no spring snowmelt anticipated, hydrology is no longer the key driver to increase SWP supplies. Instead, exports from the Delta and storage changes in San Luis Reservoir will guide potential increases to the SWP Allocation later this year.

As for Colorado River supplies, dry and warm conditions have prompted early snowmelt and below average runoff. As a result, Lake Mead's elevation continue to drop and causing the Lake to reach its lowest level since it was first filled. However, conditions have improved in May and June, reducing the likelihood of a shortage being declared in 2016.

MET staff estimate Colorado River supplies for 2015 will total 925,000 AF (not including ICS deliveries or exchanges). Below is a detail list of MET's 2015 Colorado River supplies:

Colorado River Aqueduct Supply Estimates for 2015	
MET's Basic Apportionment	550,000 AF
IID/MWD Conservation Program	88,000 AF
PVID Land Fallowing	85,000 AF
Transfers to SDCWA (IID Transfer and Canal Lining)	180,000 AF
Canal Lining Water to MET	16,000 AF
Lower Colorado River Supply Project	6,000 AF
TOTAL CRA SUPPLIES	925,000 AF

Estimated of MET Demands for 2015

With the implementation of MET's Water Supply Allocation at a level 3, MET set the regional demand of imported water to roughly 1.93 MAF. This reflects a 15% demand reduction over the allocation baseline of 2.2 MAF. Although the WSAP level 3 assumes demands will be reduced to 1.93 MAF over the allocation year (FY 2015-16), this equates to 1.96 MAF over the calendar year of 2015.

MET Storage and Transfer/Exchanges for 2015

With an imported demand of 1.96 MAF for 2015 and base supplies from the CRA and SWP totaling 1.307 MAF, MET estimates a draw from dry-year storage of 489,000 AF and transfers and exchanges bring in 165,000 AF. As a result of adjustments and accounting

for conveyance constraints, approximately 574,000 AF of dry-year storage is available for 2015 at a 20% SWP allocation.

Although, recently approved transfer agreements with sellers in the Feather River Basin in Northern California have been reduced due to the drought, discussions are currently on-going with partners on the Colorado River system to secure additional transfers and exchanges to firm up the 165,000 AF target. In fact, MET staff plans to inform the Board of potential Colorado River exchanges at this month's Water Planning and Stewardship Committee.

Water Supply and Demand Balance for 2015

The following table below shows the total water supply and demand balance estimated for 2015

MET Water Supply and Demand Balance for 2015	
Total CRA Supplies	925,000 AF
Total SWP Supplies	382,000 AF
Dry-Year Storage Draw	489,000 AF
Transfer/Exchanges	165,000 AF
Total Supplies	1,961,000 AF
Total Demand and Losses	1,961,000 AF

ISSUE BRIEF # B

SUBJECT: MWD's Finance and Rate Issues

RECENT ACTIVITY

MWD Financial Report

At Metropolitan (MWD) July's Finance and Insurance Committee, MWD staff provided a mid-cycle Biennial Budget review for FY2014/15 and FY2015/16.

FY 2014/15 Review

MWD's Full Service and Exchange sales are projected to be about 155,000 AF, or 9 percent, over the FY 2014/15 budget of 1.75 MAF, resulting in water sales revenues expecting to reach \$103 million over budget. These higher sales revenues are due to increased deliveries to some member agencies whose local supplies have been impacted by the drought. Expenditures were projected to be approximately \$98 million under budget and this is due to lower than expected O&M expenses, lower power costs as a result of lower-than-budgeted deliveries of State Water Project (SWP) water, lower debt service costs due to a July 1, 2014 payment made as part of a May 2014 refunding, and lower spending on capital projects. As a result, net revenues are projected to be \$120 million higher than the budget.

FY 2015/16 Outlook

The key planning assumptions for FY 2015/16 were Full Service and Exchange sales of 1.75 MAF; use of operating revenues and the Replacement and Refurbishment (R&R) Fund to fund capital spending of \$268 million; a 50 percent allocation for the SWP and approximately 876 TAF from the Colorado River Aqueduct; and continued funding for conservation, the Local Resources Program (LRP) incentives, and supply programs in the region, the Central Valley and the Colorado River system.

Current weather conditions and board actions could significantly change these key assumptions by the fall, but variations in revenues and costs due to hydrology will be managed by the use of financial reserves i.e. Rate Stabilization Fund. In fact, the recent Board approval of the increase conservation budget of \$450 million is being funded from a number of designated financial reserves. The Board implementation of a water allocation level 3 for FY2015/16, which will curtail water sales to 1.8 MAF, will also be taken into consideration in the budget sales projections.

Capital expenditures for FY2015/16 are also being reviewed. While Metropolitan currently plans to fund all FY 2015/16 projected capital spending from revenues, the ongoing drought presents significant uncertainties regarding future revenues, expenditures and reserve balances. Rather than using operating revenues, Metropolitan could elect to debt finance all or a portion of capital spending in FY 2015/16 by issuing tax-exempt debt to reimburse the General Fund for capital expenditures. This could provide Metropolitan with additional financial flexibility in light of the possibility that Metropolitan experiences lower-than-budgeted sales in FY 2015/16, or that the Board determines the need to provide additional funding for programs or activities.

Metropolitan will begin work in the fall on its next biennial budget, covering FY 2016/17 and FY2017/18, and rates and charges effective January 1, 2017 and January 1, 2018. MWD staff will provide a first draft of the budget in December. Based on current conditions, the issues for consideration for the next biennial budget will be:

- Cost to replenish MWD's storage
- Budget impacts of the Integrated Resource Plan findings and recommendations
- Potential changes to the Water Treatment Surcharge
- Long-Range financial assumptions – sales, revenues, expenditures and capital costs

ISSUE BRIEF # C

SUBJECT: Colorado River Issues

RECENT ACTIVITY

Lake Mead falls below 1,075 feet

On June 23, for the first time since it was initially filled in the 1930s, Lake Mead fell below 1,075 feet, reaching 37 percent of capacity. If Lake Mead was forecast to stay below that level at the end of the calendar year, the Secretary of the Interior would declare a first-ever shortage for the Lower Colorado River. Because of very wet conditions in the Upper Colorado River Basin (Upper Basin) during May 2015, the U.S. Bureau of Reclamation (Reclamation) forecasts that Lake Powell will release higher amounts of water to Lake Mead for the rest of the year, with Lake Mead projected to increase by nearly 7 feet by the end of December 2015. With the improved conditions, Reclamation's studies suggested there is virtually no chance for a shortage declaration in 2016. While it is no longer likely that the Colorado Basin will experience a shortage next year, the record low lake levels reduce the power supplies available to Metropolitan, and has forced some marinas on Lake Mead to close.

Metropolitan's participation in funding conservation in Mexico

On June 15, Metropolitan provided \$3.3 million to Reclamation to cover its initial share of costs for funding the lining of an agricultural canal in Mexico, per the terms of Minute 319 and subsequent agreements that were executed in 2012. In those agreements, Central Arizona Project, SNWA, and Metropolitan agreed to provide \$10 million to Mexican agencies for conservation activities in Mexico, with a portion of the conserved water being made available to the funding agencies. The funding will help pay for the lining of the *Canal Revolucion*, which is near the Colorado River in eastern Mexicali Valley. Metropolitan's share of the total cost is \$5 million, and is scheduled to receive 47,500 acre-feet in 2017. In a follow-up 2013 agreement, IID agreed to reimburse Metropolitan for one-half of its costs, and receive one-half of the water available to Metropolitan under the program. Per that agreement, on June 18, Metropolitan sent an invoice to IID, requesting reimbursement for one-half of the \$3.3 million.

ISSUE BRIEF # D

SUBJECT: Bay Delta/State Water Project Issues

RECENT ACTIVITY

Public Comment Period Extended on Recirculated Draft EIR/EIS on the BDCP/California WaterFix

The California Department of Water Resources (DWR) and the Federal Bureau of Reclamation announced a 60-day extension on the public comment period for the joint Partially Recirculated Draft Environmental Impact Report (RDEIR)/Supplemental Draft Environmental Impact Statement (SDEIS) on the Bay Delta Conservation Plan/California WaterFix. The public comment period began July 10. Originally scheduled to end on Aug. 31, 2015, it is now being extended to Oct. 30, 2015.

The reason for the two-month extension is allows the public, government agencies, and stakeholders more time to evaluate and consider the refinements and changes to the Plan, in particular the new proposed Alternative 4A (California WaterFix).

Written comments are due by close of business Friday, Oct. 30, 2015. Comments should be mailed to BDCP/WaterFix Comments, P.O. Box 1919, Sacramento, CA 95812 or emailed to BDCPComments@icfi.com

To view or download the RDEIR/SDEIS please go to www.BayDeltaConservationPlan.com.

State Water Resources Control Board

Due to dry conditions in the Delta, the State Water Resources Control Board (SWRCB) has issued several curtailment notices directing water diverters in the Delta watershed to cease diversions. These curtailment notices were issued for all Term 91 and post-1914 water rights in the Sacramento-San Joaquin River watershed and Delta. On June 12, the SWRCB issued a new curtailment notice for pre-1914 appropriative claims commencing during or after 1903 within the Sacramento-San Joaquin River watershed and Delta. Those who are found to be diverting water beyond what is legally available to them may be subject to administrative fines, cease and desist orders, or prosecution in court. The SWRCB may levy fines of \$1,000 per day of violation and \$2,500 for each acre-foot (AF) diverted or used in excess of a valid water right. Additionally, if the SWRCB issues a cease and desist order against an unauthorized diversion, the violation of such order can result in a fine of \$10,000 per day.

The State Water Contractors (SWC) filed a complaint on June 16, 2015, requesting the SWRCB take action to protect State Water Project (SWP) releases from unauthorized diversions of stored project water in the Delta. These unauthorized diversions by water diverters south of the San Joaquin River threaten to increase the burden on limited stored water supplies, affecting both the environment and other water users. Estimates show that

landowners last year diverted as much as 300,000 acre-feet of such water. The SWC are requesting that the SWRCB issue an order preventing diverters south of the San Joaquin River from making unauthorized diversions of SWP storage.

SWRCB staff continues to work with USBR, DWR and the fisheries agencies to develop a new plan of operations to protect winter-run Chinook salmon, and they have reached agreement on the basic elements of a revised plan. The revised plan will rely on real-time decision making and, due to lower releases from Shasta, will affect system-wide CVP and SWP operations and water supplies. The SWRCB held a workshop on June 24 for USBR and others to provide information on Shasta temperature operations and the associated water supply effects of these operations. MET staff is monitoring these activities closely, as the revised temperature management plan could have impacts to SWP operations and water supplies.

ISSUE BRIEF # E

SUBJECT: MWD's Ocean Desalination Policy and Potential Participation by MWD in the Doheny Desal Project (formerly South Orange Coastal Ocean Desalination Project) and in the Huntington Beach Ocean Desalination Project (Poseidon Desalination Project)

RECENT ACTIVITY

Doheny Desalination Project

Work continues under the MET Foundational Action Plan with the baseline monitoring work required for the coastal lagoon and the lower portion of San Juan Creek. South Coast Water District has selected a team led by GHD as program manager for its 5 MGD Doheny Seawater Desal Project at Dana Point. The team also includes RBF Consulting (permitting), Butler Engineering (costs/scheduling) and Katz & Associates (public outreach). The agreement has a base period of one year for a maximum payment of \$300,000, with an option to extend annually for up to nine additional years. The tentative timeline allows for a design phase lasting from November 2018 to November 2019, with construction taking place from November 2019 to June 2021.

Huntington Beach Ocean Desalination Project (Poseidon Project)

OCWD has continued work on evaluating where the product water produced from the Poseidon Project would be utilized, either for the seawater barrier operations, injection or replenishment in the groundwater basin, for direct delivery to other agencies or some combination thereof. MWDOC has been assisting OCWD in these efforts.

- Discussions were held at the Joint Planning Committee between MWDOC and OCWD on the Reliability Improvements of the Poseidon Project
- Discussions were also held at the City of Garden Grove regarding their input into the Poseidon Project discussions.

ISSUE BRIEF # F

SUBJECT: Orange County Reliability Projects

RECENT ACTIVITY

Central Pool Augmentation Program

There are no updates to report.

Orange County Water Reliability Study

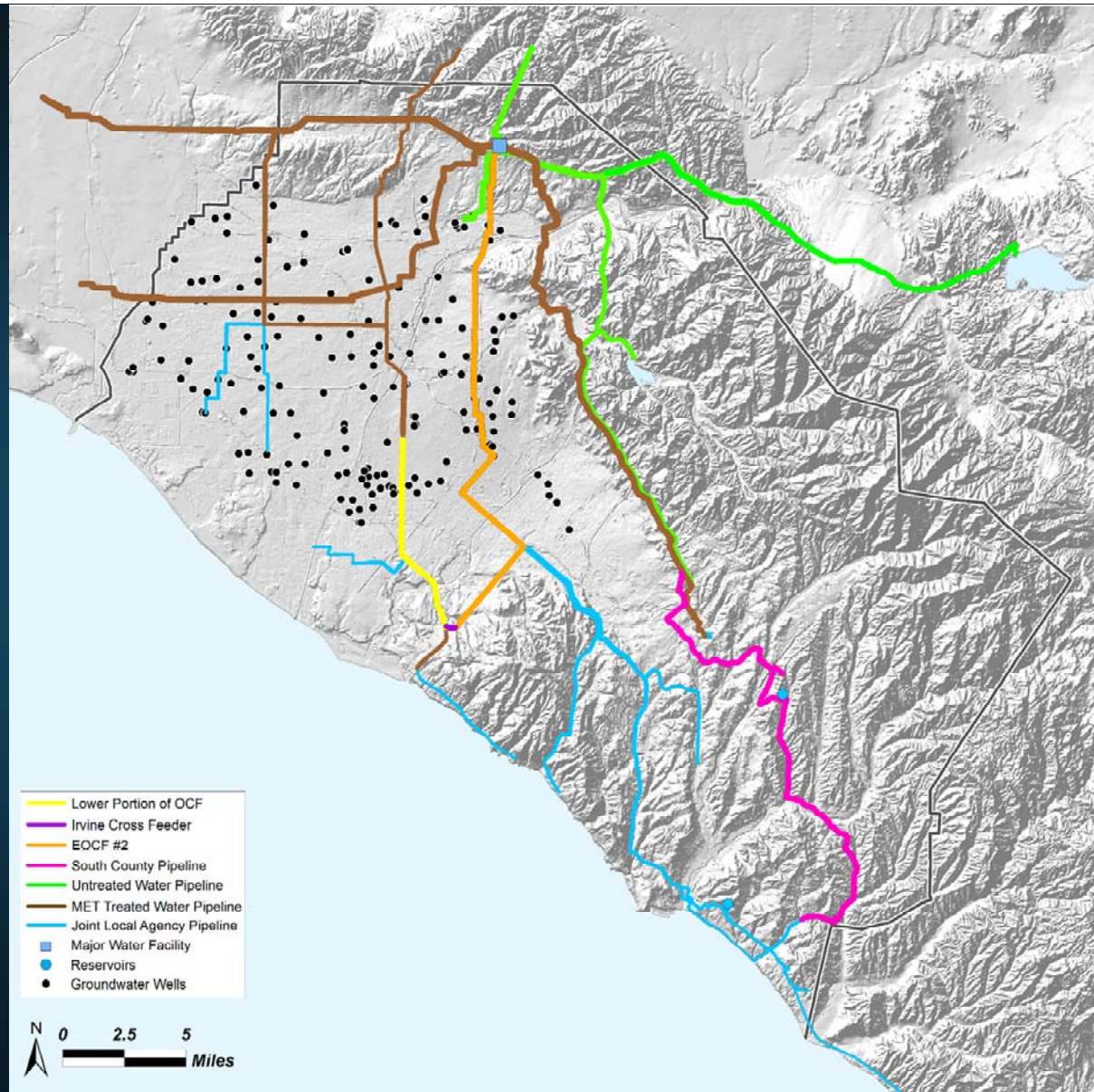
At the July meeting of the Workgroup, the topic centered on Seismic Hazards to Water Facilities supplying Orange County. MWDOC's Consultants GeoPentech and G&E Engineering Teamed up to share preliminary input from their work. At this time, the work was deemed draft in that MWDOC was still awaiting comments back from MET on the impacts to the MET Pipelines and Pipelines in Orange County.

The following several slides include some of the mapping provided by GeoPentech along with a slide on the methodology and teaming between Geopentech (mostly mapping of hazards) and G&E Engineering (mainly analysis of impacts to facilities).

Study Area

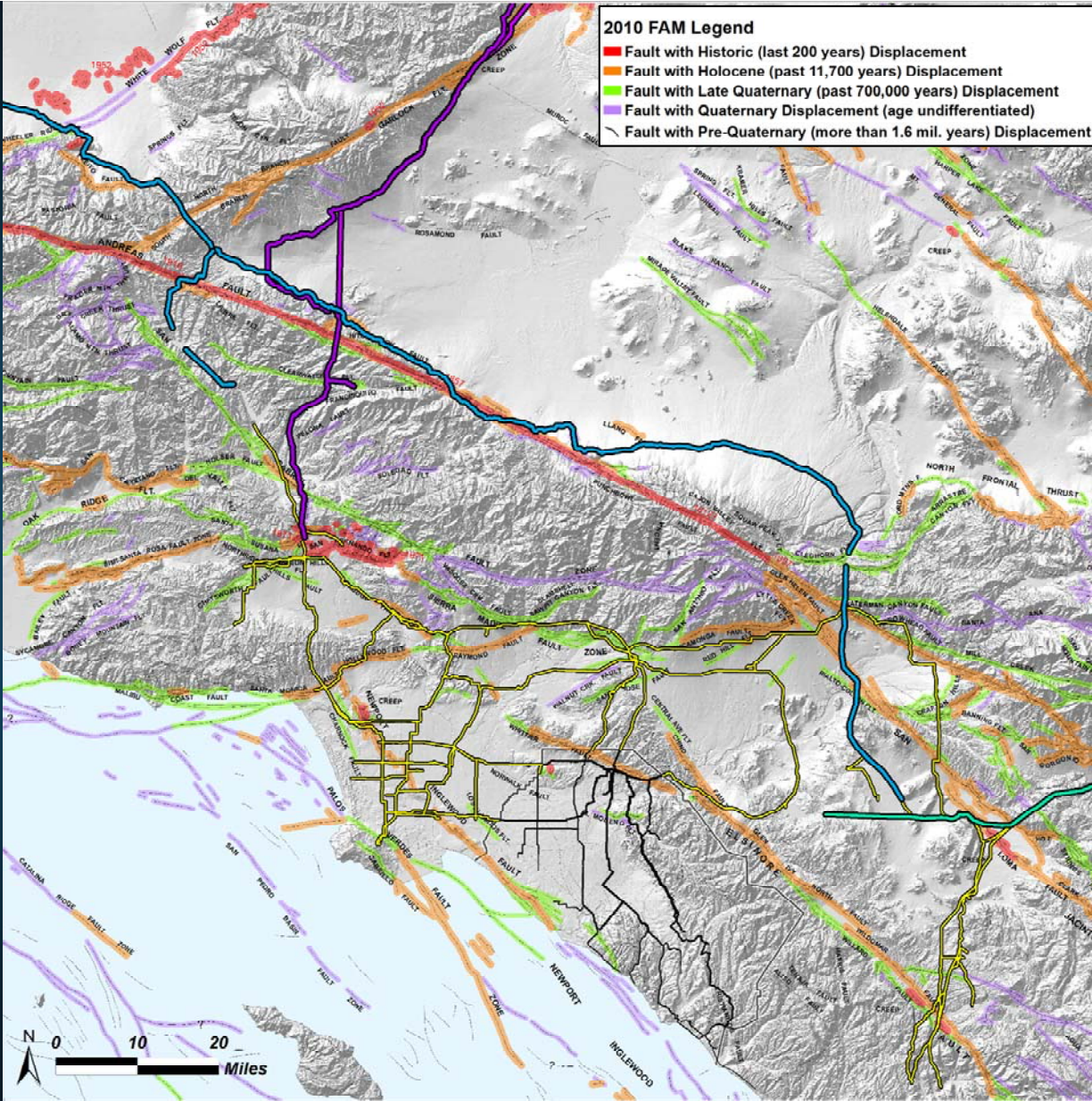


Municipal
Water District
of Orange County



Southern California Active Faults

Regional and State Imported Water Resources



Potential Seismic Sources

- San Andreas
- San Jacinto
- Whittier/Whittier-Elsinore
- Newport-Inglewood
- Compton
- Palos Verdes
- Puente Hills
- Peralta Hills
- San Joaquin Hills

Conclusions

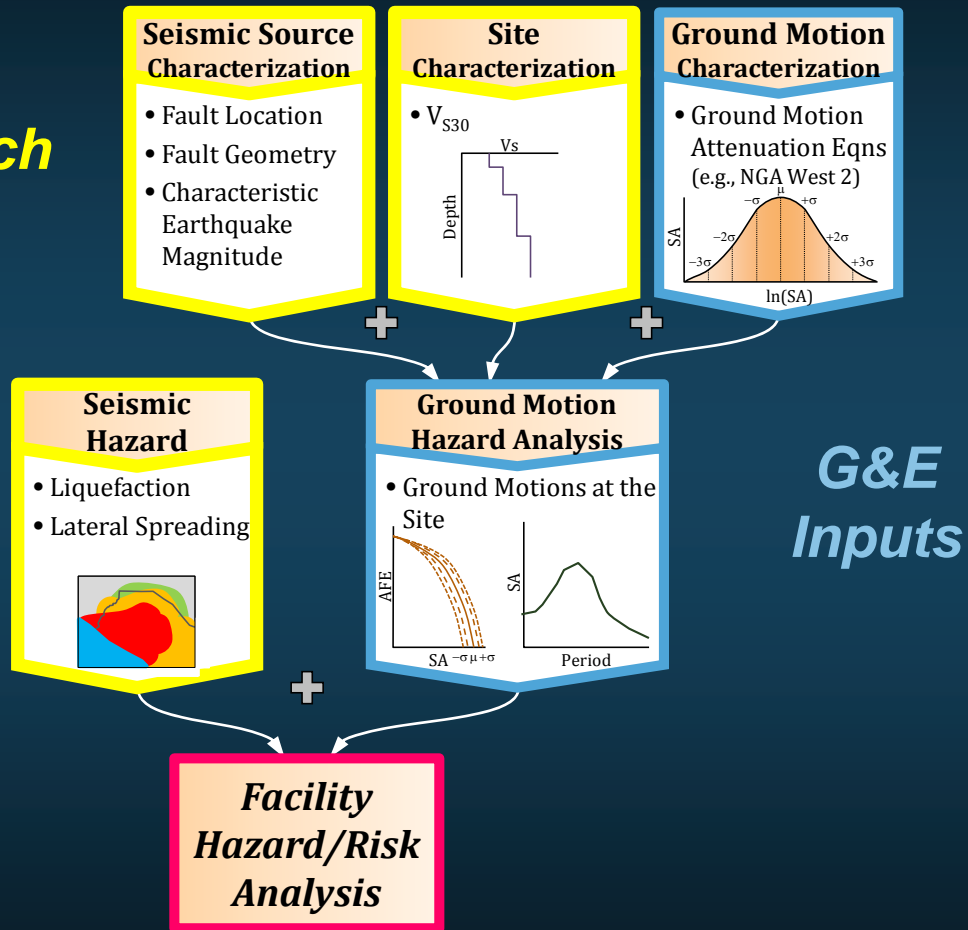
- OC's Primary Surface Fault Rupture Hazard
 - Newport-Inglewood Fault Zone
 - Whittier Fault
- OC's Coseismic Surface Deformation Hazard
 - Mostly distributed over thrust faults (including “blind”)
 - Tens of centimeters (several inches) of uplift & lateral movement, tapering down away from top of fault plane
 - Possible subsidiary surface displacements (La Habra EQ)

Conclusions

- OC's Liquefaction Hazard
 - Very high near coast, where groundwater is shallow and sediments are young, granular, and unconsolidated
 - Decreases inland
- OC's Lateral Spreading Hazard
 - Highest near channels/drainages (where there is an open face to allow mass sliding)
- Southern California's Major Faults
(San Jacinto and San Andreas faults)
 - Contribute to OC's ground motion hazard
 - Contribute to hazard on regional- and state-imported water resources

Applications

GeoPentech Inputs



The information and analysis on the impacts to pipelines and wells in OC will be included in the next report. Comments on the analysis by MET need to be incorporated, prior to the release.

ISSUE BRIEF # G

SUBJECT: East Orange County Feeder No. 2

RECENT ACTIVITY

Use of East Orange County Feeder No. 2 for Conveyance of Groundwater and Poseidon Water

There are no updates to report. Below is last month's report:

The opportunity presented by the East Orange County Feeder No. 2 (EOCF#2) is that it is an existing conveyance facility in Orange County that typically carries treated water from the Diemer Treatment Plant in Yorba Linda and it transects the County delivering water all the way to the coast. Along the way it supplies water to two facilities that deliver water into South Orange County. The facility does not run at full capacity and what has often been discussed is that it provides an opportunity to convey sources of water throughout the county, other than imported water from MET. The 4th reach of the facility is also envisioned as a potential conveyance facility to deliver Poseidon water to South Orange County.

MWDOC and OCWD convened a meeting with MET operations staff to get a detailed look at how the collection of facilities shown in the schematic below, the EOCF#2, the Irvine Cross Feeder and the lower section of the Orange County Feeder are operated today, what controls and settings are utilized, what operating parameters are of most concern to MET staff and how the operations might be changed by Poseidon water being pumped into the 4th reach of the EOCF#2. The schematic below served to focus the discussions with the MET operations staff. The information exchange was good and provided great insights into how future operations could occur. The next steps are to digest the information and develop more detailed engineering and operations plans to further the discussions.

**Summary Report for
The Metropolitan Water District of Southern California
Board Meeting
July 14, 2015**

COMMITTEE ASSIGNMENTS

The Chairman had no committee assignments. **(Agenda Item 5D)**

ENGINEERING AND OPERATIONS COMMITTEE

Appropriated \$27.4 million; awarded \$21,524,084 contract to Environmental Construction, Inc. to rehabilitate the east treatment basins at the Robert B. Diemer Water Treatment Plant; authorized agreement with Ninyo & Moore in an amount not to exceed \$436,000; and authorized increase of \$3.6 million in O&M expenditures in fiscal year 2015/16 for environmental remediation. (Approp. 15380) **(Agenda Item 8-1)**

Appropriated \$2.35 million; and awarded \$1,292,000 contract to Kiewit Infrastructure West Co. to replace hydraulic gates at the Robert B. Diemer Water Treatment Plant. (Approps. 15369 and 15440) **(Agenda Item 8-2)**

FINANCE AND INSURANCE COMMITTEE

Adopted a resolution authorizing the reimbursement with bond proceeds of the costs of Capital Investment Plan Projects funded from the General Fund and Replacement and Refurbishment Fund up to \$300 million. **(Agenda Item 8-4)**

REAL PROPERTY AND ASSET MANAGEMENT COMMITTEE

Appropriated funds and authorized acquisition of a property adjoining the F.E. Weymouth Treatment Plant identified as Los Angeles County Assessor's Parcel No. 8381-005-001. **(Agenda Item 8-5)**

Authorized purchase of real property in Riverside and Imperial Counties. **(Agenda Item 8-8)**

COMMUNICATIONS AND LEGISLATION COMMITTEE

The item to authorize the General Manager to express support for AB 647 (Eggman, D-Stockton) – Beneficial use: storing of water underground, was withdrawn. **(Agenda Item 8-6 WITHDRAWN)**

The item to adopt the proposed federal drought legislative priorities was tabled. **(Agenda Item 8-7 TABLED)**

CONSENT CALENDAR

In other action, the Board:

Appropriated \$1.8 million; and authorized site planning and preliminary design of reliability improvements to the Sepulveda Canyon Control Facility. (Approp. 15480) **(Agenda Item 7-1)**

Authorized increase of \$80,000 in change order authority for the Jensen Module No. 1 Filter Surface Wash Upgrades, up to an aggregate amount not to exceed \$579,155; and authorized increase of \$320,000 in change order authority for the Phase 1 Etiwanda Pipeline Lining Repairs, up to an aggregate amount not to exceed \$570,000. (Approps. 15441 and 15442) (**Agenda Item 7-2**)

Adopted the Mitigated Negative Declaration for planned upgrades to Palos Verdes Reservoir.
(**Agenda Item 7-3**)

OTHER MATTERS:

In other action, the Board:

Approved preparation of Commendatory Resolution for former Director Don Calkins.
(**Agenda Item 5C**)

Approved motion to adjourn the August Board Meeting to August 18, 2015, to establish tax rate.
(Committees to meet on August 17 and 18, 2015) (**Agenda Item 5F**)

THIS INFORMATION SHOULD NOT BE CONSIDERED THE OFFICIAL MINUTES OF THE MEETING.

Board letters related to the items in this summary are generally posted in the Board Letter Archive approximately one week after the board meeting. In order to view them and their attachments, please copy and paste the following into your browser <http://edmsidm.mwdh2o.com/idmweb/home.asp>.