

SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE
September 15, 2015, 8:30 a.m.
Conference Room 101

Committee:

Director Barbre, Chairman
Director Tamaribuchi
Director Hinman

Staff: R. Hunter, K. Seckel, M. Tuchman,
P. Meszaros, H. Baez

Ex Officio Member: L. Dick

MWDOC Committee meetings are noticed and held as joint meetings of the Committee and the entire Board of Directors and all members of the Board of Directors may attend and participate in the discussion. Each Committee has designated Committee members, and other members of the Board are designated alternate committee members. If less than a quorum of the full Board is in attendance, the Board meeting will be adjourned for lack of a quorum and the meeting will proceed as a meeting of the Committee with those Committee members and alternate members in attendance acting as the Committee.

PUBLIC PARTICIPATION

Public comments on agenda items and items under the jurisdiction of the Committee should be made at this time.

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>.

DISCUSSION ITEMS

1. LEGISLATIVE ACTIVITIES
 - a. Federal Legislative Report (Barker)
 - b. State Legislative Report (Townsend)
 - c. County Legislative Report (Lewis)
 - d. Legal and Regulatory Report (Ackerman)
 - e. MWDOC Legislative Matrix
 - f. Metropolitan Legislative Matrix
2. CALIFORNIA WATERFIX PARTIALLY RECIRCULATED DRAFT EIR/SUPPLEMENTAL EIS

INFORMATION ITEMS (THE FOLLOWING ITEMS ARE FOR INFORMATIONAL PURPOSES ONLY – BACKGROUND INFORMATION IS INCLUDED IN THE PACKET. DISCUSSION IS NOT NECESSARY UNLESS REQUESTED BY A DIRECTOR.)

3. PUBLIC AFFAIRS ACTIVITIES REPORT
4. STATUS REPORT ON ELEMENTARY SCHOOL PROGRAM FOR 2015-16
5. STATUS REPORT ON HIGH SCHOOL PROGRAM FOR 2015-16

OTHER ITEMS

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

ADJOURNMENT

NOTE: At the discretion of the Committee, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated, and may be subject to action by the Committee. On those items designated for Board action, the Committee reviews the items and makes a recommendation for final action to the full Board of Directors; final action will be taken by the Board of Directors. Agendas for Committee and Board meetings may be obtained from the District Secretary. Members of the public are advised that the Board consideration process includes consideration of each agenda item by one or more Committees indicated on the Board Action Sheet. Attendance at Committee meetings and the Board meeting considering an item consequently is advised.

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.

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Nicholas Crockett
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Municipal Water District of Orange County, California
Washington Update
September 8, 2015

The Congress begins anew after a month long August Recess:

Both the House and the Senate return to work today after spending the month of August in a summer recess period.

Among the more pressing issues in the Senate this week deals with the Iran Nuclear Pact—an accord reached by the Obama Administration on July 14th in Vienna, Austria, by Secretary of State John Kerry.

President Obama has enough support in the Senate to reject a motion disapproving of his nuclear accord with Iran, after three key Senate Democrats said this week that they would back the agreement.

To provide a flavor for the upcoming debate this week, Prime Minister Benjamin Netanyahu of Israel has called the *nuclear deal* between Iran and the world’s major powers an “historic mistake” and adamantly opposes it.

In the wake of this debate this week, Congress finds itself with approximately 22 days to fund a Continuing Resolution to keep the federal government running past the end of the federal government’s fiscal year—which ends on September 30, 2015. Most observers believe that a funding resolution can pass to keep the federal government running into the late fall—but there is a serious divide between the GOP lead Congress and the White House.

All twelve appropriations bills were slated to have passed by September 30th. Our current funding conflict is a product of a Budget Control Act (BCA) which passed the Congress during the difficult 2009-2010 period of the Great Recession. That legislation required a significant slowdown in the growth of spending at the federal level.

Now that the recession is over, the Obama Administration and House and Senate Democrats for the most part, wish to spend more funds than the BCA “funding caps” allow. The House and Senate

GOP want to honor the “funding caps”, except for defense spending. This is where the serious debate begins. The President has said he won’t sign a funding bill (whether it is an individual appropriation’s bill or an Omnibus Funding bill) unless the funding caps are lifted.

The GOP has criticized this policy.

Meanwhile, the Secretary of the Treasury has noticed the Congress that it will need to increase the nation’s borrowing authority in the November – December period, because as a nation we will have exceeded our borrowing authority limits. It takes legislation passed by both Houses of Congress and the bill signed into law by the President for the debt limit of our country to be increased.

With this backdrop, both the Speaker of the House and the Majority Leader of the Senate have said they want to avoid a federal government “shutdown” but the pathway to the resolution of this funding dynamic has not been resolved and Congress may not be able to resolve it until the late fall. Most observers here believe there will be another “grand bargain” reached on spending priorities when the debt limit is increased.

What is relevance of the funding debate to MWDOC?

At the core of the issue, is whether or not federal discretionary spending, such as funds for wildfire protection, funds for the Bureau of Reclamation or the Army Corps Civilian accounts, or federal water programs of any type, or other federal agencies such as the US. Customs and Immigration Service, the Department of Labor, or Education or Interior, etc. can have slight increases in their funding budgets—as opposed to the more strict limits imposed by the Budget Control Act.

Water Update:

In last month’s Washington Report, there was discussion of the just released Senator Feinstein Drought Relief Legislation.

The House has passed their Drought bill, HR 2898, earlier in the summer. The Senate Energy Committee has indicated that they intend to hold a Senate Hearing on the Feinstein/Boxer bill sometime during September—but no hearing has been announced at press time. Senator Murkowski, the Chairwoman of the Committee has indicated that she would like to see a “west wide drought bill” pass this year.

The Senate Drought Bill is written in such a way to appeal to critics of the House bill which passed the lower chamber last month under a veto threat from President Obama. Environmental groups and House Democrats opposed the House-passed bill as a way to undermine the Endangered Species Act. These groups argue that the House bill would override some of the key agency opinions about specific endangered species protections dealing with water delivery projects.

Senator Barbara Boxer said that she would personally “block” the House Drought bill when she spoke before the Public Policy Institute of California earlier this month. She would need 41 votes to block passage and there are 45 Democrats in the Senate. Meanwhile to pass a compromise bill, Senator Feinstein will need 61 votes—to get through filibuster challenges. There are currently 55

Senate Republicans.

The key House and Senate Staffers have begun to discuss the differences between the bills and to try and reach a compromise this fall to present to their respective Members of Congress. The next eight weeks will be a critical period if there is a drought bill to pass before the end of the year.

General News Items and Political Updates of Interest

Presidential Nomination Updates:

For the Democrats, Senator Bernie Sanders has become a “real candidate” with strong polling numbers in New Hampshire and Iowa, two early tests for Presidential candidates. Vice President Joe Biden continues to give serious consideration to a run for the Presidency. Hillary Clinton has seen her positive “favorability ratings” continue to fall in recent months. Her key aide that managed her personal email server during her tenure as the Secretary of State, has indicated that he will exercise his fifth amendment right (and not testify) when asked to testify before the Congressional Committee investigating her State Department activities.

On the Republican side, September 16th is the next scheduled debate, to take place in Simi Valley, Ca. Donald Trump continues to ride high in the polls for the GOP. Two others are showing surprise to many of the political establishment, Ben Carson and Carly Fiorina. It is noteworthy to point out that all three of these candidates would be considered “outsiders” as none of them have ever held public office.

JCB 9-8-15



To: Municipal Water District of Orange County

From: Townsend Public Affairs, Inc.

Date: September 8, 2015

Subject: Monthly Political and Activity Report

State Political Update

The Legislature returned from summer recess on August 17th and will be considering all remaining legislation prior to the adjournment of session on September 11th. Immediately upon the Legislature's return from summer recess, fiscal committees held several hearings in order to consider bills in advance of the August 28th fiscal committee deadline. Several hundred bills were referred to the Appropriations committees' Suspense Files and all were considered on August 27th, at which time they either advanced to the floor or became two-year bills. Bills that advanced to the Senate and Assembly Floors have until September 11th to be considered by the Legislature. Measures that pass, and are sent to the Governor, must be acted on prior to October 11th.

In addition to measures in the regular session, the Legislature is considering measures in two special sessions on transportation infrastructure funding and health care financing. At a recent press conference in Oakland, the Governor announced that he was confident a transportation funding deal would happen, but that he would be acting as the catalyst agent to close the deal. Those discussions as well as conversations about cap and trade funding are still ongoing, in hopes of crafting proposals that can be adopted prior to adjournment.

In addition to the hundreds of bills that are being considered by the Legislature, there has also been actions regarding the future leadership of the Legislature. On September 3rd, the Assembly Democratic Caucus voted to select Assemblyman Anthony Rendon (D-Lakewood) as their next Speaker. This vote follows months of speculation and internal caucus politics over who would lead the Lower House for the better part of the next decade. Assemblyman Rendon was ultimately able to secure the votes that he needed to become the next Speaker, beating out other rumored contenders for the post, including Assembly Members Jimmy Gomez and Rob Bonta.

The current Speaker, Toni Atkins, will remain in her position through the end of the Legislative Session and in to January, at which time an official vote will occur in the Assembly to elect Assemblyman Rendon as the next Speaker. From there a timeline for transition will be announced, but it is likely that the new Speaker will be installed in time to head the caucus going into the June Primary election and budget negotiations.

The Assembly Democrats were not the only caucus that saw a change in leadership in recent days. On August 27th, the Senate Republican Caucus voted in Senator Jean Fuller (Bakersfield) as its new minority leader. It had been announced several months ago that Senator Fuller would be the next Minority Leader, but this change has now occurred two months before the previously announced transition, which was to take place in November. Senate Republicans declined to

discuss the circumstances of the vote, but Senator Fuller downplayed any policy differences with Senator Huff. The Republican Caucus will have an important role in the new taxes proposed in the two special sessions as all tax increases require a two-thirds vote in each house, which requires bi-partisan support.

On September 1st, the Assembly Republican Caucus also voted for their next leader, electing Chad Mayes (R-Yucca Valley) to replace Kristin Olsen as the next Assembly Minority Leader. Assembly Members Mayes and Olsen will work together to ensure a smooth transition and Mayes will assume the position when the Legislature reconvenes on January 4, 2016. Assemblyman Mayes was just elected to the Legislature in 2014, so he is likely to be the Minority Leader longer than any recent leader, as he does not term out of the Legislature until 2026.

Drought Update

AB 1164 (Gatto) Water Conservation: Drought Tolerant Landscaping

This bill, would prohibit cities and counties from enacting or enforcing any ordinance or regulation that prohibits the installation of drought tolerant landscaping, synthetic grass, or artificial turf on residential property. **This bill has been amended, as it came off of the Senate Appropriations Suspense File, to remove the \$300 million appropriation for local turf replacement programs. The bill is currently on the Senate floor.**

State Water Use: July 2015

Californians reduced their water use beyond the 25 percent target for the second month in a row. Californians cut overall urban use by 31%, compared with July 2013. In June, the first month of the Governor's mandatory reduction of 25 percent, Californians cut water use by 27 percent even though it was the hottest June on record. The new data shows that 290 of 402 communities reached their conservation targets, or were within 1 percent in July. This is up seven percent from last month.

Cap and Trade

Cap and Trade proceeds are being released in the form of competitive grants that reduce greenhouse gasses and increase energy efficiency. Governor Brown and the Legislature are currently in talks to reach an agreement on how the revenue should be spent. A formula established in last year's budget agreement requires 60 percent of the revenue to be spent on areas such as high speed rail, urban transit, and housing. The remaining 40 percent is still up for debate in the Legislature and will be determined over the last four weeks of session. The Governor's Executive Drought Order B-29-15 proposed \$30 million to The Water Energy Technology (WET) program pending approval by the Legislature. This program provides competitive grants for innovative water efficiency technologies. The WET program has three phases:

1. Agricultural – Guidelines out now
2. Industrial, Commercial, Residential – Guidelines available Fall 2015
3. **Desalination – Guidelines available Fall 2015**
 - \$3 million available for competitive grants
 - Technology from this program must be installed in an existing Desalination facility in California



- Objective is to accelerate deployment of innovative technologies that reduce GHG in existing desalination plants or plants under construction
 - Results in reduced energy use and increased on-site water production efficiency
- Funding Criteria:
 - Emphasize GHG emission reductions.
 - Quantify amount of additional water production per unit of energy.
 - Technology innovation and project design.
 - Monitoring and verification approaches to ensure both energy and water savings occur

Model Water Efficient Landscape Ordinance

DWR released a public first draft of the revised ordinance on June 12, 2015 and requested input from stakeholder groups and trade organizations. DWR had public meetings on June 16th and 19th where they received comments from approximately 170 individuals, companies, and organizations. Following the public meeting, DWR released a second draft on July 9, 2015. On July 15, 2015 the California Water Commission approved the changes to the draft. On August 10, 2015 ordinance revisions were sent out to the Office of Administrative Law review.

Water Supply Reliability and Drought Protection Act of 2016

In recent weeks, Gerald Meral and the National Heritage Institute have begun to distribute draft language of a possible water bond for the 2016 ballot. According to Meral, the funding in this second water bond is designated for programs that were underfunded, or not funded at all, in the Proposition 1 that was approved by voters in November 2014. Meral is a former deputy secretary of the Natural Resources Agency and was the chief agent in Governor Brown's two-tunnel Delta plan. Meral has not yet included specific funding amounts for the bond, nor for the specific programs within the bond, however it is expected that a second bond would be significantly less than Proposition 1. The draft water bond that is currently being distributed would contain funding for the following activities:

- Capture and use of urban runoff and stormwater;
- Desalination and water recycling;
- Water Conservation:
 - Turf Replacement
 - Leak Detection
- Watershed improvement for water supply enhancement;
- Land and water management for water supply improvement;
- Flood management for improved water supply;
- Groundwater Planning and storage;
- Water for wildlife:
 - Acquisition of water rights
- Repair of flood control reservoirs
- Funding for water measurement; and,
- Equipment for water supply for firefighting.

Attached to this report is a copy of the draft language that was sent to water agency officials, environmental interests, and others by Gerald Meral.



2016 watershed protection bond proposed by Natural Heritage Institute

v.20 August 30

THE PEOPLE OF THE STATE OF CALIFORNIA DO ENACT AS FOLLOWS:

SECTION 1.

Division 36 (commencing with Section 86000) is added to the Water Code, to read:

DIVISION 36. The Water Supply Reliability and Drought Protection Act of 2016

CHAPTER 1. Short Title

86000. This division shall be known and may be cited as the Water Supply Reliability and Drought Protection Act of 2016.

CHAPTER 2. Findings and Declarations.

86001. The people find and declare the following:

(a) California's water situation requires a comprehensive plan to provide for the water needs of people, agriculture and the environment. This division will lead to a substantial increase in California water supplies, water supply reliability and water quality.

(b) This division will implement cost effective methods of water development and conservation to meet California's present and future water needs, including capture of urban drainage and stormwater runoff, groundwater desalting, water recycling, water conservation, and watershed management, enhancement and protection.

(c) Funding for increased water supply provided by this division will be matched by local water agencies, more than doubling the effectiveness of the funding provided.

(d) Agencies implementing this division will give highest priority to the most cost effective projects, and to the most durable and most environmentally beneficial projects.

(e) Every Californian has a right to safe drinking water. This division will help achieve that goal.

(f) It is the intent of the People that implementation of this Division will provide a fair and reasonable distribution of funds benefitting all regions of the state, and each implementing agency shall consider this intent in awarding and expending funds provided by this division.

(g) Agencies implementing this Division shall provide short and long term cost effective actions to address the water shortages caused by the recent drought, and to prepare for future droughts. Droughts affect water supply for the public, environment, business and farmers, and this division will help with both these problems.

(h) By improving the health and water productivity of local watersheds, communities will become more self-reliant with respect to water supply ~~and less reliant on imported water supplies~~, and local environmental quality will be increased.

(i) By removing invasive weeds such as yellow starthistle, giant reeds, and tamarisk, water supply will be increased and habitat for fish and wildlife will be improved.

~~((j) California is often devastated by floods when droughts end. Making the best use of floodwaters through stormwater management, capture and use of flood waters not needed for ecological purposes, and intelligent management of flood plains will reduce flood damages and improve state water supplies.~~

~~(k) Droughts often lead to severe fire conditions. Providing equipment to the Department of Forestry and Fire Protection to gather and distribute water to fight fires will help prevent devastating fire damage to California communities.~~

CHAPTER 3. Definitions

86002. Unless the context otherwise requires, the definitions set forth in this section govern the construction of this division, as follows:

(a) “Delta” means the Sacramento-San Joaquin Delta as defined in Section 85058.

(c) “Department” means the Department of Water Resources.

(d): “Desalination” means removing salt from polluted groundwater or other ~~inland~~ sources of water polluted with salts.

(e) “Disadvantaged community” has the meaning set forth in subdivision (a) of Section 79505.5, as it may be amended.

(f) “Finance committee” means the Water Supply Reliability and Drought Protection Finance Committee created by Section 86162.

(g) “Fund” means the Water Supply Reliability and Drought Protection Fund of 2016 created by Section 86024.

(h) “Integrated regional water management plan” means a comprehensive plan for a defined geographic area that meets the requirements of Part 2.2 (commencing with Section 10530) of Division 6, as that part may be amended.

(i) “Nonprofit organization” means an organization qualified to do business in California and qualified under Section 501(c)(3) of Title 26 of the United States Code.

(j) “Preservation” means rehabilitation, stabilization, restoration, development, and reconstruction, or any combination of those activities.

(k) “Protection” means those actions necessary to prevent harm or damage to persons, property or natural resources or those actions necessary to allow the continued use and enjoyment of property or natural resources and includes acquisition, development, restoration, preservation and interpretation.

(l) “Public agency” means a state agency or department, public water system, special district, resource conservation district, joint powers authority, city, county, city and county, or other political subdivision of the state, **or any public or private agency which meets the definition of public water system in paragraph (h) of section 116275 of the Health and Safety Code.**

(m) “Restoration” means the improvement of physical structures or facilities and, in the case of natural systems and landscape features includes, but is not limited to, projects for the control of erosion, the control and elimination of invasive species, prescribed burning, fuel hazard reduction, fencing out threats to existing or restored natural resources, road elimination, and other plant and wildlife habitat improvement to increase the natural system value of the property. Restoration projects shall include the planning, monitoring and reporting necessary to ensure successful implementation of the project objectives.

(n) “State board” means the State Water Resources Control Board.

(o) “State General Obligation Bond Law” means the State General Obligation Bond Law (Chapter 4 (commencing with Section 16720) of Part 3 of Division 4 of Title 2 of the Government Code).

(p) “stormwater” and “dry weather runoff” are defined as in Section 10561.5.

CHAPTER 4. General Provisions

86004. An amount that equals not more than 5 percent of the funds allocated for a grant or loan program pursuant to this division may be used to pay the administrative costs of that program.

86006. (a) Unless otherwise specified, up to 10 percent of funds allocated for each program funded by this division may be expended for planning and monitoring necessary for the successful design, selection, and implementation of the projects authorized under that program. This section shall not otherwise restrict funds ordinarily used by an agency for “preliminary plans”, “working drawings”, and “construction” as defined by the Department of Finance for a capital outlay project or grant project. Water quality monitoring data shall be collected and reported to the state board in a manner that is compatible and consistent with surface water monitoring data systems or groundwater monitoring data systems administered by the state board. Watershed monitoring data shall be collected and reported to the Department of Conservation in a manner that is compatible and consistent with the statewide watershed program administered by the Department of Conservation.

(b) Notwithstanding paragraph (a), state agencies making grants or loans pursuant to this division may authorize additional specific expenditures specifically for compliance with local, state and federal permitting and other requirements.

(c) Up to one percent of funds allocated for each program funded by this division may be expended for research into methods relevant to that program to improve water supply and water quality.

86008. (a) Prior to disbursing grants or loans pursuant to this division, each state agency that receives an appropriation from the funding made available by this division to administer a grant or loan program under this division shall develop and adopt project solicitation and evaluation guidelines. The guidelines shall include monitoring and reporting requirements and may include a limitation on the dollar amount of **each grants** or **loans** to be awarded. If the state agency has previously developed and adopted project solicitation and evaluation guidelines that comply with the requirements of this **sub**division, it may use those guidelines.

(b) Prior to disbursing grants or loans, the state agency shall conduct three public meetings to consider public comments prior to finalizing the guidelines. The state agency shall publish the draft solicitation and evaluation guidelines on its Internet Web site at least 30 days before the public meetings. One meeting shall be conducted at a location in northern California, one meeting shall be conducted at a location in the central valley of California, and one meeting shall be conducted at a location in southern California. Upon adoption, the state agency shall transmit copies of the guidelines to the fiscal committees and the appropriate policy committees of the Legislature.

(c) At least **45** days prior to soliciting projects pursuant to this division, a state agency administering funds pursuant to this division shall post an electronic form of the guidelines for grant applicants on its website. **Project solicitation and evaluation guidelines shall only include criteria based on the applicable requirement of this division.**

86010. Each project funded from this initiative shall comply with the following requirements

(a) The investment of public funds pursuant to this division will result in public benefits that address the most critical statewide needs and priorities for public funding.

(b) In the appropriation and expenditure of funding authorized by this division, priority will be given to projects that leverage private, federal, or local funding or produce the greatest public benefit.

(c) A funded project shall advance the purposes of the chapter from which the project received funding.

(d) In making decisions regarding water resources, state and local water agencies will use the best available science to inform those decisions.

(f) Evaluation of projects considered for funding pursuant to this division will include review by professionals in the fields relevant to the proposed project.

(g) To the extent practicable, a project supported by funds made available by this division will include signage informing the public that the project received funds from the Water Supply Reliability and Drought Protection Act of 2016.

(h) Projects funded with proceeds from this division will promote state planning priorities consistent with the provisions of Section 65041.1 of the Government Code and sustainable communities strategies consistent with the provisions of subparagraph (B) of paragraph (2) of subdivision (b) of Section 65080 of the Government Code, to the extent feasible.

(i) California's working agricultural and forested landscapes **should** be preserved wherever possible. To the extent feasible, watershed objectives included in this division should be achieved through use of conservation easements and voluntary landowner participation, including, but not limited to, the use of easements pursuant to Division 10.2 (commencing with Section 10200) and Division 10.4 (commencing with Section 10330) of the Public Resources Code and voluntary habitat credit exchange mechanisms.

86012. (a) The Department of Finance shall provide for an independent audit of expenditures pursuant to this division. The secretary of the Natural Resources Agency shall publish a list of all program and project expenditures pursuant to this division not less than annually, in written form, and shall post an electronic form of the list on the Natural Resources Agency's Internet Web site.

(b) If an audit, required by statute, of any entity that receives funding authorized by this division is conducted pursuant to state law and reveals any impropriety, the California State Auditor or the Controller may conduct **an full** audit of any or all of the activities of that entity.

(c) The state agency issuing any grant or loan with funding authorized by this division shall require adequate reporting of the expenditures of the funding from the grant or loan.

86014. Funds provided by this division shall not be expended to pay the costs of the design, construction, operation, mitigation, or maintenance of Delta water conveyance facilities. Those costs shall be the responsibility of the water agencies that benefit from the design, construction, operation, mitigation, or maintenance of those facilities.

86016. (a) This division does not diminish, impair, or otherwise affect in any manner whatsoever any area of origin, watershed of origin, county of origin, or any other water rights protections, including, but not limited to, rights to water appropriated prior to December 19, 1914, provided under the law. This division does not limit or affect the application of Article 1.7 (commencing with Section 1215) of Chapter 1 of Part 2 of Division 2, Sections 10505, 10505.5, 11128, 11460, 11461, 11462, and 11463, and Sections 12200 to 12220, inclusive.

(b) For the purposes of this division, an area that utilizes water that has been diverted and conveyed from the Sacramento River hydrologic region, for use outside the Sacramento River hydrologic region or the Delta, shall not be deemed to be immediately adjacent thereto or capable of being conveniently supplied with water therefrom by virtue or on account of the diversion and conveyance of that water through facilities that may be constructed for that purpose after January 1, 2014.

(c) Nothing in this division supersedes, limits, or otherwise modifies the applicability of Chapter 10 (commencing with Section 1700) of Part 2 of Division 2, including petitions related to any new conveyance constructed or operated in accordance with Chapter 2 (commencing with Section 85320) of Part 4 of Division 35.

(d) Unless otherwise expressly provided, nothing in this division supersedes, reduces, or otherwise affects existing legal protections, both procedural and substantive, relating to the state board's regulation of diversion and use of water, including, but not limited to, water right priorities, the protection provided to municipal interests by Sections 106 and 106.5, and changes in water rights. Nothing in this division expands or otherwise alters the state board's existing authority to regulate the diversion and use of water or the courts' existing concurrent jurisdiction over California water rights.

(e) Nothing in this division shall be construed to affect the California Wild and Scenic Rivers Act (Chapter 1.4 (commencing with Section 5093.50) of Division 5 of the Public Resources Code) or the federal Wild and Scenic Rivers Act (16 U.S.C. Sec. 1271 et seq.) and funds authorized pursuant to this division shall not be available for any project that could have an adverse effect on the values upon which a wild and scenic river or any other river is afforded protections pursuant to the California Wild and Scenic Rivers Act or the federal Wild and Scenic Rivers Act.

(f) Nothing in this division supersedes, limits, or otherwise modifies the Sacramento-San Joaquin Delta Reform Act of 2009 (Division 35 (commencing with Section 85000)) or any other applicable law, including, but not limited to, Division 22.3 (commencing with Section 32300) of the Public Resources Code.

(h) Notwithstanding any other provision of law, any agency acquiring land pursuant to this division may use the Natural Heritage Preservation Tax Credit Act of 2000 (Division 28 (commencing with Section 37000) of the Public Resources Code).

86018. (a) Eligible applicants under this division are public agencies, including, but not limited to, **public agencies as defined in Section 86002**, state entities, local governments, and resource conservation districts, nonprofit organizations, public utilities, federally recognized Indian tribes, and state Indian tribes listed on the Native American Heritage Commission's California Tribal Consultation List.

(b) (1) To be eligible for funding under this division, a project proposed by a public utility that is regulated by the Public Utilities Commission or a mutual water company shall have a clear and definite public purpose and the project shall benefit the customers of the water system and not the investors.

(2) To be eligible for funding under this division, an urban water supplier shall have adopted and submitted an urban water management plan in accordance with the Urban Water Management Planning Act (Part 2.6 (commencing with Section 10610) of Division 6).

(3) To be eligible for funding under this division, an agricultural water supplier shall have adopted and submitted an agricultural water management plan in accordance with the Agricultural Water Management Planning Act (Part 2.8 (commencing with Section 10800) of Division 6).

(4) In accordance with Section 10608.56, an agricultural water supplier or an urban water supplier is ineligible for funding under this division unless it complies with the requirements of Part 2.55 (commencing with Section 10608) of Division 6.

86020. Where feasible, projects funded pursuant to this division may use the services of the California Conservation Corps or certified community conservation corps, as defined in Section 14507.5 of the Public Resources Code.

86022. Each state agency that receives an appropriation of funding made available by this division shall be responsible for establishing metrics of success and reporting the status of projects and all uses of the funding on the state's bond accountability Internet Web site, as provided by statute.

86024. The proceeds of bonds issued and sold pursuant to this division shall be deposited in the Water Supply Reliability and Drought Protection Fund of 2016, which is hereby created in the State Treasury.

Notwithstanding Section 13340 of the Government Code moneys in the fund are continuously appropriated without regard to fiscal year for the purposes of this division in the manner and for the purposes set forth in this division.

~~86026. Agencies allocating funds pursuant to this division shall give first priority for funding to projects which are also eligible for funding pursuant to subdivision (a) of Section 75065 of the Public Resources Code and if the cost of the project or the time necessary to carry the project out are not increased by also meeting the requirements of subdivision (a) of Section 75065 of the Public Resources Code.~~

86028. Chapter 3.5 (commencing with Section 11340) of Part 1 of Division 3 of Title 2 of the Government Code does not apply to the development or implementation of programs or projects authorized or funded under this division.

~~86030. Funds provided by this division shall not be expended in a manner inconsistent with the regional water quality control plan adopted pursuant to Chapter 4 (commencing with Section 13200) of Division 7 that is applicable and in effect at the time the project is approved.~~

86032. (a) Funds provided by this division shall not be used to support or pay for the costs of environmental mitigation. ~~divisions~~

(b) Funds provided by this division shall be used for environmental enhancements or other public benefits.

(c) ~~Notwithstanding paragraphs (a) and (b) of this section, the costs of environmental mitigation costs of~~ for projects financed by this division ~~may be paid for by funds provided by this division.~~

86034. Every entity implementing this Division shall give highest priority to funding projects which combine ~~relatively high~~ cost effectiveness with enhanced environmental quality.

86036. (a) (1) In expending grant money pursuant to this division to acquire an interest in any particular parcel of land, a local public agency or nonprofit organization may use the money to establish a trust fund in the amount of not more than 20 percent of the amount of money paid for the acquisition. Interest from the trust fund shall be used only to maintain the lands that are acquired pursuant to this division.

(2) A local public agency or nonprofit organization that acquires land with money from this division and transfers the land to another public agency or nonprofit organization shall also transfer the ownership of the trust fund that was established to maintain that land.

(3) This section does not apply to state agencies.

(b) If the local public agency or nonprofit organization does not establish a trust fund pursuant to subdivision (a), the agency or organization shall certify to the state agency making the grant that it can maintain the land to be acquired from funds otherwise available to the agency or organization.

86038. Acquisitions pursuant to Chapters 8 and 9 of this division shall be from willing sellers only.

~~**86040.** When matching funds are required by a provision of this division, the matching funds may include, but are not limited to, donated services from nonstate sources.~~

86042. Restoration projects undertaken with funding available pursuant to this division shall include the planning, monitoring, and reporting necessary to ensure successful implementation of the project objectives.

86044. Unless otherwise specified by this Division, all expenditures pursuant to this Division shall be for capital outlay purposes, and the state agency expending the funds or approving a grant must find that the benefits of the expenditure or grant shall last for at least 20 years. A grantee shall demonstrate the ability to maintain projects implemented pursuant to this Division for at least 20 years.

Chapter 5. Capture and use of urban runoff and stormwater

86050. The sum of * dollars (\$*) is appropriated from the fund to the State Water Resources Control Board for the purpose of projects to capture and reuse ~~of~~ urban runoff and stormwater runoff. The funds shall be used for competitive grants for projects that develop, implement, or improve a stormwater capture and reuse plan consistent with Part 2.3 (commencing with Section 10560) of Division 6, as that part may be amended, and that capture and put to beneficial use stormwater or dry weather runoff.

86052. A stormwater and dry weather runoff capture and reuse project developed pursuant to an adopted integrated regional water management plan in compliance with Part 2.2 (commencing with Section 10530) of Division 6 is eligible for funding under this chapter if the project is identified and developed in substantive compliance with Part 2.3 (commencing with Section 10560) of Division 6, as that part may be amended.

86054. (a) Projects eligible for funding pursuant to this chapter shall assist in the capture and **use or reuse** of stormwater or dry weather runoff. Projects may also provide for the improvement of water quality and other public benefits such as open space and recreation, and project elements designed to mimic or restore natural watershed functions.

(b) The State Water Resources Control Board shall grant special consideration to plans or projects that provide multiple benefits in addition to water supply augmentation such as water quality, flood control, natural lands protection and restoration, or recreation.

(c) The State Water Resources Control Board shall require at least a ~~25-50~~-percent cost share for recipients of grant funds pursuant to this chapter, but may suspend or reduce the matching requirements for that portion of projects that capture or use stormwater or dry weather runoff in disadvantaged communities.

(d) Projects funded by this section must comply with any water quality policy or regulations adopted by the State Water Resources Control Board and must avoid putting at risk any groundwater or surface water supplies.

(e) Project costs may include development of decision support tools, data acquisition, and data analysis to identify and evaluate the benefits and costs of potential stormwater capture and reuse projects.

86056. State and local agencies ~~and nonprofit organizations~~ may apply for funds available pursuant to this chapter ~~and may use other funds available pursuant to this division to meet the cost share requirements of this chapter.~~

Chapter 6. Desalination and ~~water wastewater~~ recycling

86060. The sum of * dollars (\$*) is appropriated from the fund to the State Water Resources Control Board to award grants and loans ~~to public agencies~~ on a competitive basis for wastewater recycling projects. No award shall exceed 50% of the cost of the project. ~~This program shall be implemented consistent with water recycling programs administered pursuant to Sections 79140 and 79141.~~

Grants and loans pursuant to this section may be made for all of the following:

- (a) Water recycling projects, including, but not limited to, treatment, storage, conveyance, and distribution facilities for potable and nonpotable recycling projects.
- (b) Dedicated distribution infrastructure to serve residential, commercial, agricultural, and industrial end-user retrofit projects to allow use of recycled water.
- (c) Pilot projects for new potable reuse and contaminant removal technology.
- (d) Multibenefit recycled water projects that improve water quality.
- (e) Technical assistance and grant writing assistance for disadvantaged communities.

86062. The sum of * is appropriated from the fund to the State Water Resources Control Board to award grants and loans ~~to public agencies~~ on a competitive basis for desalination of brackish groundwater. No award shall exceed 50% of the cost of the project. This program shall be implemented consistent with desalination programs administered pursuant to Sections 79545 and 79547.2.

Grants and loans pursuant to this section may be made for all of the following:

- (a) Salt removal projects, including, but not limited to, groundwater desalting and associated treatment, storage, conveyance, and distribution facilities. Projects may remove contaminants in addition to salts.
- (b) Distribution infrastructure to serve residential, commercial, agricultural, and industrial end-user retrofit projects to allow use of desalted water.
- (c) Multibenefit salt removal projects that improve water quality.
- (d) Technical assistance and grant writing assistance for disadvantaged communities.

86064. No grant made pursuant to this chapter shall exceed 50 percent of the cost of the project, but this requirement may be suspended or reduced for that portion of projects that serve disadvantaged communities and economically distressed areas.

86066. Projects funded pursuant to this chapter shall be selected on a competitive basis, considering all of the following criteria:

- (a) Water supply reliability improvement.
- (b) Water quality and ecosystem benefits related to decreased reliance on diversions from the Delta or rivers and streams.
- (c) Public health benefits from improved drinking water quality or supply.
- (d) Cost-effectiveness.
- (e) Energy efficiency and greenhouse gas emission impacts.
- (f) Reasonable geographic allocation to eligible projects throughout the state, including both northern and southern California and coastal and inland regions.

Chapter 7. Desalination and ~~water wastewater~~ recycling 86070. (a) The sum of *dollars (\$*) is appropriated from the fund to the Department of Water Resources for competitive grants to public agencies to provide financial incentives to public and private property owners to convert their landscaping to drought tolerant plantings. A public agency receiving funds pursuant to this Chapter shall provide extra incentives to low-income homeowners who could not otherwise afford to participate in the agency's landscape conversion program.

(b) The department shall make awards on the basis of cost effectiveness with respect to water supply. The most cost effective projects and those which provide the greatest environmental benefits based on the state investment shall receive highest priority for funding. Environmental benefits shall include, but not be limited to, planting appropriate drought resistant native and other plants.

86071. (a) The sum of *dollars (\$*) is appropriated from the fund to the Department of Water Resources for a programs of competitive grants to public agencies to reduce leaks in their water distribution systems.

(b) The department shall make awards on the basis of cost effectiveness with respect to water supply.

86072. ~~(a)~~ No grant award pursuant to this chapter shall exceed 50 percent of the cost of the project except for a grant award that exclusively benefits homeowners in a disadvantaged community.

Chapter 8. Watershed improvement for water supply enhancement

86080. The sum of *dollars (\$*) is appropriated from the fund for use on public and private lands including lands owned by the United States, to improve the health of forest lands, meadows, wetlands and other undeveloped lands in order to increase the water supply flowing from those lands ~~and to~~

maintain and improve the water quality of waters flowing from those lands. Funds shall be allocated as follows:

- (a) *dollars (\$*) to the Baldwin Hills Conservancy for use within the area of the jurisdiction of the conservancy.
- (b) *dollars (\$*) to the California Tahoe Conservancy for use within the area of the jurisdiction of the conservancy.
- (c) *dollars (\$*) to the Coachella Valley Mountains Conservancy for use within the area of the jurisdiction of the conservancy.
- (d) *dollars (\$*) to the Sacramento-San Joaquin Delta Conservancy for use within the area of the jurisdiction of the conservancy.
- (e) *dollars (\$*) to the San Diego River Conservancy for use within the watershed of the San Diego River and other areas within the jurisdiction of the conservancy.
- (f) *dollars (\$*) to the San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy for use within the area of the jurisdiction of the conservancy.
- (g) *dollars (\$*) to the San Joaquin River Conservancy for use within the watershed of the San Joaquin River.
- (h) *dollars (\$) to the Santa Ana River Conservancy Program within the State Coastal Conservancy for use within the watershed of the Santa Ana River.
- (i) *dollars (\$*) to the Santa Monica Mountains Conservancy for use within the area of the jurisdiction of the conservancy.
- (j) *dollars (\$*) to the Sierra Nevada Conservancy for use within the area of the jurisdiction of the conservancy.
- (k) *dollars (\$*) to the State Coastal Conservancy for use within the area of the jurisdiction of the conservancy. No less than 20 percent of the funds provided by this subdivision shall be used within the jurisdiction of the San Francisco Bay Area Conservancy Program.

86083. In making grants pursuant to this chapter, agencies shall give first priority to applications which include cost sharing.

86084. (a) For a project to be eligible for funding pursuant to this chapter, the project shall have demonstrable water supply or water quality benefits for at least 20 years. A project such as the creation of a shaded fuel break, a controlled burn, or a project that has a relatively short useful life shall only be funded if the applicant guarantees that the treated land will be maintained for at least 20 years, in accordance with Section 86044. The project applicant must demonstrate to the granting agency that funding for maintenance is available without new voter approval or additional state funds.

(b) Funds appropriated pursuant to this Chapter may be used to restore forests, meadows, wetlands, and riparian habitats, acquire land and easements to protect these resources, prevent development that may reduce watershed health, and take other measures that improve the quality and quantity of water supplies downstream from projects paid for in whole or in part by this Chapter.

(c) Road improvement projects, including road removal projects, in watersheds which specifically improve water quality of water leaving the in watershed rivers and streams are eligible for funding available for the purposes of this chapter. Any agency receiving funds pursuant to Section 86080 shall not use more than 10 percent of the funds for road improvement projects.

(d) All projects funded pursuant to this Chapter shall result in maintained or improved watershed health, as defined by the Natural Resources Agency pursuant to Section 86088.

86086. The interest from a trust fund established in accordance with Section 86036 from the funds available pursuant to this chapter shall be used only to maintain a project and its water supply and water quality benefits implemented pursuant to this chapter.

86088. The Natural Resources Agency shall approve the guidelines developed by each state agency that receives an appropriation pursuant to this chapter in order to ensure the appropriate uniformity of the guidelines.

Chapter 9. Land and water management for water supply improvement.

86090. The sum of *dollars (*\$) is appropriated from the fund to the Wildlife Conservation Board for the purpose of awarding competitive grants to public agencies and non-profit organizations to improve the quality of public and private rangelands, wildlands, riparian areas and aquatic areas for the purpose of increasing groundwater recharge and water supply from those lands. Local, state and federal agencies and nonprofit organizations which own rangelands, wildlands, riparian areas and aquatic areas are eligible to receive funding pursuant to this chapter.

86092. Grants pursuant to this chapter may be made for the purpose of weed control, restoration of riparian habitat, meadows and wetlands, and other projects that improve the flow of water from the lands and reduce the use of water by nonnative species. First priority shall be given to projects which improve fish and wildlife habitat.

86094. The Wildlife Conservation Board shall give highest priority to projects which are most cost effective in producing improved water supply, and which improve fish and wildlife habitat.

86098. For a project to be eligible for funding pursuant to this chapter, the project shall have demonstrable water supply benefits for at least 20 years. A project such as the removal of invasive weeds to increase water supply shall only be funded if the applicant guarantees that the treated land will be maintained for at least 20 years, in accordance with Section 86044. The project applicant must demonstrate to the granting agency that funding for maintenance is available without new voter approval or additional state funds.

86099. (a) (1) In expending grant money pursuant to this chapter to undertake a project, a local public agency or nonprofit organization may use the money to establish a trust fund in the amount of not more than 20 percent of the amount of money paid for the project.

(2) A local public agency or nonprofit organization that undertakes a project with money from this division and can no longer maintain the land treated in the project shall also transfer the ownership of the trust fund to another public agency or nonprofit organization that is willing to maintain that land.

(3) This section does not apply to state agencies.

(b) If the local public agency or nonprofit organization does not establish a trust fund pursuant to subdivision (a), the agency or organization shall certify to the state agency making the grant that it can maintain the land in an appropriate condition after the project is undertaken using funds otherwise available to the agency or organization.

(c) The interest from the trust fund established from the funds available pursuant to this section shall be used only to maintain a project and its water supply benefits implemented pursuant to this chapter.

Chapter 10. Flood management for improved water supply

86100. (a) The sum of *dollars (\$*) is appropriated from the fund to the **Central Valley Flood Protection Board** for enlargement and environmental enhancement of existing floodways and bypasses within the jurisdiction of the Central Valley Flood Protection Board. The ~~Department~~ **Central Valley Flood Protection Board** may make grants to local agencies and non-profit organizations to implement this section. Every project funded pursuant to this section shall provide each of the following: reduced flood risk, ~~improved flexibility of upstream water supply reservoirs or otherwise~~ improved water supply resilience, expanded public access **and recreation** along rivers, ~~recreation~~, and net habitat improvements for native fish and wildlife species.

(b) The **Central Valley Flood Protection Board** shall give preference to projects which include matching funds.

Chapter 11 Groundwater Planning **and storage**

86110 (a). The sum of *dollars (\$*) is appropriated from the fund to the Department of Water Resources for grants made pursuant to section 10729 up to \$1,000,000 on a 50% matching basis to local agencies for the purpose of accelerating the implementation of the Sustainable Groundwater Management Act. The Department shall only award a grant if it determines based on evidence submitted by the responsible Groundwater Sustainability Agency that the grant is likely to result in bringing the groundwater basin in the jurisdiction of the local agency into a sustainable yield condition within 20 years.

(b) for purposes of this section, “local agency” is as defined in Paragraph (m) of Section 10721

(c) For purposes of this section, “sustainable yield” is as defined in paragraph (v) of Section 10721.

86111. The sum of * dollars (\$*) is appropriated from the fund to the Department for grants to public agencies to implement projects to move water to locations where it can be recharged to groundwater basins. No grant shall exceed 50% of the cost of the project. First priority shall be given to projects in critically overdrafted groundwater basins. No grant may be made unless the Department of Fish and Wildlife certifies that no harm will be done to fish and wildlife as a result of the project.

Chapter 12. Water for wildlife

86120. (a) The sum of * dollars (\$*) is appropriated from the fund to the Wildlife Conservation Board for the acquisition of water rights from willing sellers for the purpose of improving conditions for fish and wildlife in streams, rivers, wildlife refuges and estuaries. The Board may arrange for acquisition, long-term lease agreements, or transfer of water rights if it determines such actions are beneficial to wildlife conservation. The Board may sell or transfer water purchased pursuant to this section, *including water acquired as provided in paragraphs (c) (1) and (2) of this section or under any other authority*, after the water has served the purpose for which the water right was acquired, and if the Board finds that there will be no environmental harm done because of such a sale or transfer. For the purposes of this section, acquisition may include lease of water rights for no less than twenty years. In years when the Board does not need the water for fish and wildlife purposes, it may sell the water to achieve conservation objectives.

(b) Notwithstanding Section 13340 of the Government Code, the proceeds of any water sales pursuant to this section by the Wildlife Conservation Board are appropriated directly to the Board without regard to fiscal year, shall be used only for the purpose of this section, and may not be appropriated by the Legislature.

(c) (1) The permanent dedication of water using funds expended pursuant to this **chapter** shall be done in accordance with Section 1707 where the state board specifies that the water is in addition to water that is required for regulatory requirements as provided in subdivision (c) of Section 1707. Funds expended pursuant to this division may be used for the purpose of initiating the dedication as a short term or temporary urgency change, that is approved in accordance with Section 1707 and either Chapter 6.6 (commencing with Section 1435) of, or Chapter 10.5 (commencing with Section 1725) of, Part 2 of Division 2, during the period required to prepare any environmental documentation and for approval of permanent dedication.

(2) Long-term transfers of water using funds expended pursuant to this division shall be made in accordance with Sections 1735, 1736, and 1737 if the State Water Resources Control Board, after providing notice and opportunity for a hearing, approves such a petition. Funds expended pursuant to this division shall prioritize permanent transfers. Long-term transfers shall be for a period of not less than 20 years, except for any water transfers for the benefit of subsection (d) of Section 3406 of the Central Valley Project Improvement Act (Title 34 of Public Law 102-575), which shall be for a period of not less than 10 years.

(3) The acquisition of water rights using funds expended pursuant to this **chapter** shall only be undertaken pursuant to this section and shall only be used for projects that will provide fisheries or ecosystem benefits. The ecosystem benefits shall be **are** greater than those required by applicable environmental mitigation measures or compliance obligations in effect at the time the funds from this division are made available for the project and funds shall not be credited to any measures or

obligations, except for any water transfers for the benefit of subsection (d) of Section 3406 of the Central Valley Project Improvement Act (Title 34 of Public Law 102-575).

Chapter 13. Repair of flood control reservoirs

86130 (a) The sum of * dollars (\$*) is appropriated from the fund to the Department of Water Resources for grants to local agencies on a 50% matching basis to repair reservoirs whose principal purpose is flood control. Grantees must demonstrate that the proposed repair will allow water stored in those reservoirs which would otherwise have to be discharged downstream to be put to beneficial use.

(b) Every project funded pursuant to this chapter must include substantially improved recreational opportunities and ecological restoration in the river channel downstream of the reservoir, and, to the extent compatible with safe reservoir operation, within the reservoir.

(c) Funds under this section shall be available for seismic retrofit of flood control reservoirs.

(d) No grants made pursuant to this chapter shall be for reservoir maintenance or sediment removal from the reservoir or upstream of the reservoir.

Chapter 14 Funding for water measurement

86140. The sum of * dollars (\$*) is appropriated from the fund to the State Water Resources Control Board for purchase and installation of water measuring equipment to better measure streamflow and water diversions, and for grants to local agencies for the purposes of this section. In making grants to local agencies, preference shall be given to projects which include cost sharing.

Chapter 15 Equipment for water supply for firefighting.

86150. The sum of * dollars (\$*) is appropriated from the fund to the Department of Forestry and Fire Protection for purchase of equipment to provide water to fight fires.

CHAPTER 16 . Fiscal Provisions

86160. (a) Bonds in the total amount of * billion dollars (\$*,000,000,000), or so much thereof as is necessary, not including the amount of any refunding bonds issued in accordance with Section ~~86162~~ **86172** may be issued and sold to provide a fund to be used for carrying out the purposes expressed in this division and to reimburse the General Obligation Bond Expense Revolving Fund pursuant to Section 16724.5 of the Government Code. The bonds, when sold, shall be and constitute a valid and binding obligation of the State of California, and the full faith and credit of the State of California is hereby pledged for the punctual payment of both principal of, and interest on, the bonds as the principal and interest become due and payable.

(b) The Treasurer shall sell the bonds authorized by the committee pursuant to this section. The bonds shall be sold upon the terms and conditions specified in a resolution to be adopted by the finance committee pursuant to Section 16731 of the Government Code.

86161. The bonds authorized by this division shall be prepared, executed, issued, sold, paid, and redeemed as provided in the State General Obligation Bond Law (Chapter 4 (commencing with Section 16720) of Part 3 of Division 4 of Title 2 of the Government Code), and all of the provisions of that law apply to the bonds and to this division and are hereby incorporated in this division as though set forth in full in this division, except subdivisions (a) and (b) of Section 16727 of the Government Code.

86162. (a) Solely for the purpose of authorizing the issuance and sale pursuant to the State General Obligation Bond Law (Chapter 4 (commencing with Section 16720) of Part 3 of Division 4 of Title 2 of the Government Code) of the bonds authorized by this division, the Water Supply Reliability and Drought Protection Finance Committee is hereby created. For purposes of this division, the Water Supply Reliability and Drought Protection Finance Committee is the “committee” as that term is used in the State General Obligation Bond Law.

(b) The finance committee consists of the Director of Finance, the Treasurer, and the Controller. Notwithstanding any other provision of law, any member may designate a representative to act as that member in his or her place for all purposes, as though the member were personally present.

(c) The Treasurer shall serve as chairperson of the finance committee.

(d) A majority of the finance committee may act for the finance committee.

86163. The finance committee shall determine whether or not it is necessary or desirable to issue bonds authorized by this division in order to carry out the actions specified in this division and, if so, the amount of bonds to be issued and sold. Successive issues of bonds may be authorized and sold to carry out those actions progressively, and it is not necessary that all of the bonds authorized to be issued be sold at any one time.

86164. For purposes of the State General Obligation Bond Law, “board,” as defined in Section 16722 of the Government Code, means the Secretary of the Natural Resources Agency.

86165. There shall be collected each year and in the same manner and at the same time as other state revenue is collected, in addition to the ordinary revenues of the state, a sum in an amount required to pay the principal of, and interest on, the bonds each year. It is the duty of all officers charged by law with any duty in regard to the collection of the revenue to do and perform each and every act that is necessary to collect that additional sum.

86166. Notwithstanding Section 13340 of the Government Code, there is hereby appropriated from the General Fund in the State Treasury, for the purposes of this division, an amount that will equal the total of the following:

(a) The sum annually necessary to pay the principal of, and interest on, bonds issued and sold pursuant to this division, as the principal and interest become due and payable.

(b) The sum that is necessary to carry out the provisions of Section 86169, appropriated without regard to fiscal years.

86167. The board may request the Pooled Money Investment Board to make a loan from the Pooled Money Investment Account in accordance with Section 16312 of the Government Code for the purpose of carrying out this division less any amount withdrawn pursuant to Section 86169. The amount of the request shall not exceed the amount of the unsold bonds that the committee has, by resolution, authorized to be sold for the purpose of carrying out this division. The board shall execute those documents required by the Pooled Money Investment Board to obtain and repay the loan. Any amounts loaned shall be deposited in the fund to be allocated in accordance with this division.

86168. Notwithstanding any other provision of this division, or of the State General Obligation Bond Law, if the Treasurer sells bonds that include a bond counsel opinion to the effect that the interest on the bonds is excluded from gross income for federal tax purposes under designated conditions or is otherwise entitled to any federal tax advantage, the Treasurer may maintain separate accounts for the bond proceeds invested and for the investment earnings on those proceeds, and may use or direct the use of those proceeds or earnings to pay any rebate, penalty, or other payment required under federal law or take any other action with respect to the investment and use of those bond proceeds, as may be required or desirable under federal law in order to maintain the tax-exempt status of those bonds and to obtain any other advantage under federal law on behalf of the funds of this state.

86169. For the purposes of carrying out this division, the Director of Finance may authorize the withdrawal from the General Fund of an amount or amounts not to exceed the amount of the unsold bonds that have been authorized by the committee to be sold for the purpose of carrying out this division less any amount borrowed pursuant to Section 86167. Any amounts withdrawn shall be deposited in the fund. Any moneys made available under this section shall be returned to the General Fund, with interest at the rate earned by the moneys in the Pooled Money Investment Account, from proceeds received from the sale of bonds for the purpose of carrying out this division.

86170. All moneys deposited in the fund that are derived from premium and accrued interest on bonds sold pursuant to this division shall be reserved in the fund and shall be available for transfer to the General Fund as a credit to expenditures for bond interest, except that amounts derived from premium may be reserved and used to pay the cost of bond issuance prior to any transfer to the General Fund.

86171. Pursuant to Chapter 4 (commencing with Section 16720) of Part 3 of Division 4 of Title 2 of the Government Code, the cost of bond issuance shall be paid out of the bond proceeds, including premiums, if any. To the extent the cost of bond issuance is not paid from premiums received from the sale of bonds, these costs shall be shared proportionately by each program funded through this division by the applicable bond sale.

86172. The bonds issued and sold pursuant to this division may be refunded in accordance with Article 6 (commencing with Section 16780) of Chapter 4 of Part 3 of Division 4 of Title 2 of the Government Code, which is a part of the State General Obligation Bond Law. Approval by the voters of the state for the issuance of the bonds under this division shall include approval of the issuance of any bonds issued to refund any bonds originally issued under this division or any previously issued refunding bonds.

86173. The proceeds from the sale of bonds authorized by this division are not “proceeds of taxes” as that term is used in Article XIII B of the California Constitution, and the disbursement of these proceeds is not subject to the limitations imposed by that article.

SECTION 2. Section 1 of this act shall take effect immediately upon approval by the voters of the Water Supply Reliability and Drought Protection Act of 2016, as set forth in that section at the November 8, 2016, statewide general election. In order to fund a water supply reliability and drought protection program at the earliest possible date, it is necessary that this act take effect immediately.

SECTION 3. Conflicting Divisions.

(a) The provisions and intent of this Act shall be given precedence over any state law, statute, regulation or policy that conflicts with this section, and the policy and intent of this Act shall prevail over any such contrary law, statute, regulation or policy.

(b) If this division is approved by the voters, but superseded by any other conflicting ballot division approved by more voters at the same election, and the conflicting ballot division is later held invalid, it is the intent of the voters that this Act shall be given the full force of law.

(c) If any rival or conflicting initiative regulating any matter addressed by this Act receives the higher affirmative vote, then all non-conflicting parts of this measure shall become operative.

The County of Orange Report

September 8, 2015
By Lewis Consulting Group

County Union Leaders Swarm Supervisor's Meeting

Fireworks erupted at the September 1st meeting of the Board of Supervisors as nine different Orange County Employee Association Board members verbally castigated the Supervisors for their refusal to suspend C.O.I.N., the Civic Openness in Negotiations ordinance. The ordinance, championed by taxpayer advocates, but opposed by unions has been largely invalidated by a judge this past July.

Supervisors had upon the advice of counsel, suspended the ordinance as part of the framework for negotiating a new contract for public employees as the most recent contract had expired over two months ago. However, in a closed session meeting, the Board reversed course and allowed C.O.I.N. to remain as the rules of engagement during this current bargaining.

If anyone wondered if there would a be major stylistic change between the recently retired bombastic leader of the OCEA Nick Beradino, by his successor, Jennifer Muir, the answer was quickly given as Ms. Muir summed up the union's anger. After refusing to wrap up her remarks after her publicly allotted 3 minutes, she dared Chairman Todd Spitzer to have security remove her. Spitzer correctly sensing a public relations setback instead recessed the meeting, leaving Ms. Muir ultimately addressing 5 empty chairs. After, Muir and her union colleagues marched out, a clearly exacerbated Todd Spitzer resumed the meeting until its conclusion.

What Will Lou Do?

In the contest to succeed Congresswoman Loretta Sanchez, former Supervisor and State Senator Lou Corea has recently received two huge endorsements. The first is from Congresswoman Linda Sanchez (Loretta's sister) and also the support of the Congressional Hispanic Caucus.

Despite this, rumors continue to swirl that Corea is at least considering dropping out of this race to prepare for a 2018 showdown with County Supervisor Andrew Do. In either case Corea will be facing formidable opponents, former State Senator Joe Dunn in the Congressional race, or incumbent Andrew Do in the Supervisor race

In the meantime, rumors of Janet Nguyen entering the congressional fray are ebbing and if anything she might opt to challenge Congressman Alan Lowenthal in the L.A./O.C. district, which is significantly more Asian. That challenge could occur in 2016 but more likely in 2018.

In For a Penny, In For FOUR Million

As we reported in the August PAL report, wealthy Central Valley farmers, Dean & Joan Cortopossi are bankrolling the “**no blank checks**” initiative, an effort to derail Governor Jerry Brown’s water tunnel plan.

The initiative, which needs 800,000 valid signatures to qualify, would require revenue bonds of \$2 Billion or greater to be subject to the same voter approval requirement that is levied on general revenue bonds of similar size.

The Cortopossi’s in the last month have donated another \$1 million to the effort, now bringing their financial commitment to the initiative’s qualification and passage to \$4 million. Passage of this measure might also collaterally derail financing plans for California’s high speed rail.

L.A.Times Documents Sewer Line Troubles

A September 1st article in the *Los Angeles Times* pointed out a major negative consequence for our state’s sewer pipe network as a result of mandating water district cutbacks.

In the article sewer experts from Sacramento to San Diego all reported new challenges as a result of less water running through the pipes. Because of less water flow solids are not being washed through the system causing backups and leaks. There are other reports of tree roots growing much more rapidly as the reach out for new sources of water. Roots comprise a serious threat to sewer pipes as well.

As a result agencies responsible for sewer pipes will need to step up routine maintenance and pipe cleaning. Perhaps that looming El Nino can ultimately fix this problem.

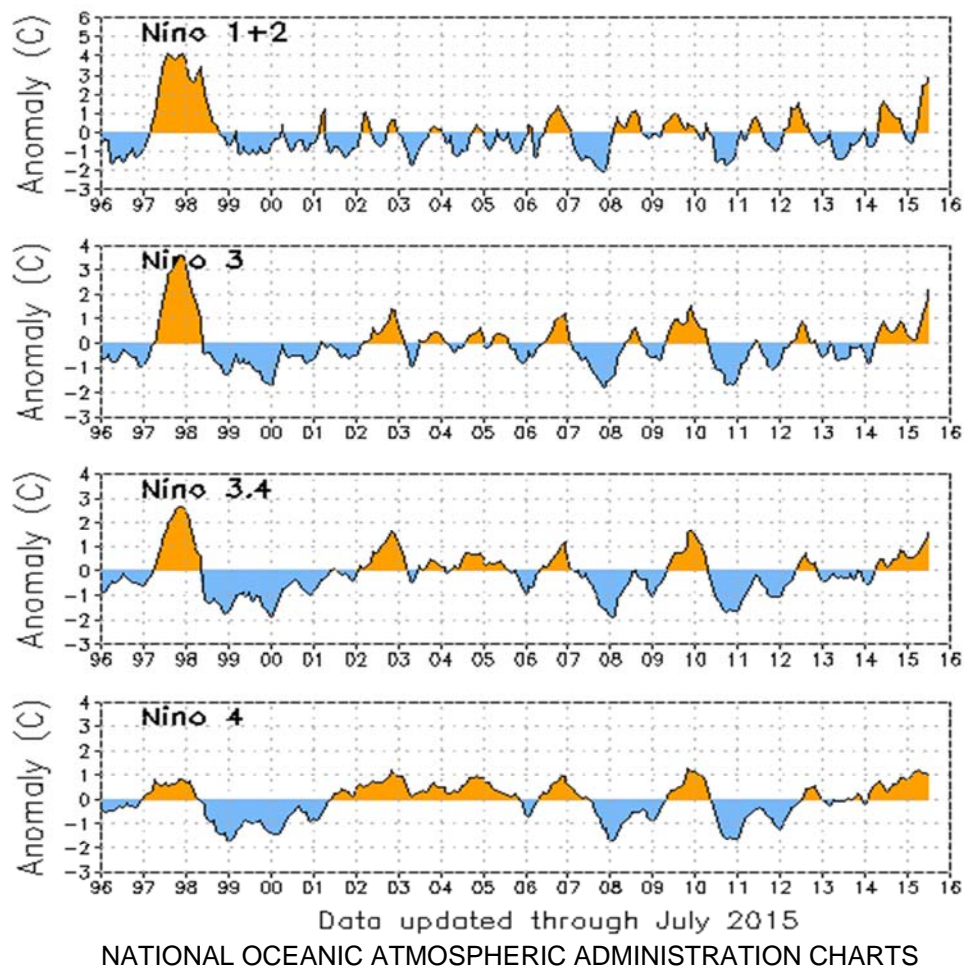
A Wet Year for Orange County????

El Nino – everybody’s talking about it - but what’s in store for Orange County? Most weather forecasters and climatologists agree the Southern California is in for more rain this season . . . perhaps a lot more. However, it is easier to predict mudslides in Malibu and Orange County canyons than it is to predict hefty snowfall in the Sierras which California so badly needs.

There are two primary questions associated with the 2015 El Nino. First, how powerful will it be? As you can see from the charts below that measure water temperature anomalies in different parts of the Pacific Ocean, this El Nino is the most powerful event since the 1997/98 event that wreaked havoc in California. The 1997/98 event topped out with water temperatures reaching a four degree warming anomaly. Currently the 2015 event is registering nearly two degrees in warming anomaly but is anticipated to grow to at least 3.5 degrees at its peak.

The second question is what about the effects of the blob? The blob is a large pool of warm water that has settled off the West Coast of the United States. Climatologists are having a difficult time simulating its affect. There is a spilt of opinion whether the blob will enhance or diminish the current El Nino. In any event water temperature anomalies are expected to peak sometime between this November and February 2016 and the length of a strong El Nino will certainly be another factor in determining its ultimate place in weather history.

Pacific Ocean Temperature Anomalies



ACKERMAN CONSULTING

Legal and Regulatory

September 15, 2015

1. **Tribes and Water Rights:** The battle between farmers and Indian tribes continues over Trinity River water flow. Trinity Lake can store 2.4 million acre feet (the third largest reservoir in the State). For many years up to 90% of the River supply was diverted for agricultural use. Over time this diversion combined with lesser flows and increased temperatures impacted the Salmon migration. Eventually the Yurok and Hoopa Valley Tribes sought and received help from the Federal Government protecting their fishing rights on the river. The farmers supply was severely reduced. Both sides are citing their superior rights and recently a Federal Judge ruled in favor of the Indians. This battle is not over.
2. **Tribes Part 2:** A similar battle is occurring on the Klamath River. Same tribes, but different farmers. Same result currently on the Court front. Additional water is being released to try to save the fish.
3. **More Consequences of Drought:** As a result of the drought and the cutbacks being achieved by California residents, many untended consequences are resulting. Less water use means less water available for recycling. This means less revenue for districts. Sewer systems are starting to have more problems. These systems were designed for a certain capacity. When that capacity is reduced, problems are created such as pipe damages due to build up of solids. Odors are also increased. This is increasing the cost of maintaining the system at a time when revenues are going south. Orange County is being impacted by this problem although not as much as areas that have flatter terrain and the force of gravity are reduced. Also tree root growth in sewer pipes is increasing with the lesser water flow causing more problems.
4. **Another Water Bond?:** A former Governor Brown official Gerald Meral is heading a group, Natural Heritage Institute, which may be sponsoring another water bond for placement on the ballot in 2016. He believes the climate to be positive and the turnout robust due to a presidential election, thus presenting a good climate for another bond. His proposal would favor funding for recycling, conservation, groundwater desal and watershed management but nothing for storage. Something to keep our eyes on.
5. **Dam Future:** While dam construction and above ground storage have been debated for years, we may be seeing a slight change in attitude. Temperance Flat and the surrounding area may be a test

case. The history of dams in California has shown dramatic changes to wildlife depending on free flowing rivers. However the drought has made it clear that many of these rivers will suffer reduced flow even without the dams presence. An argument is being made and slowly gaining momentum that better up river storage in the form of dams is an advantage. In the wet years, the dams put us in a better position to store water for the always following dry years. The storage alternative also gives us the ability to move water around to other uses, urban or agricultural. Even Congressman John Garamendi supports Temperance Flat AND Sites Reservoir. Funding for dam projects is now starting to appear in various Federal proposals. While underground storage is that area, primarily the Kern Water Bank, is very important to the system, dam storage is more crucial in collecting water. Underground systems require more time and space to do the job than reservoirs.

6. **Cost of Drought:** Two studies, one from Fresno State and one from UC Davis, show the farm losses in California to be between \$2.7 and \$3.3 billion. While either is significant, it represents about 5% of total annual agricultural production and one-tenth of 1% of the State annual economic output. Clearly it also impacts employment, area growth and health issues in regions of the State. It also can impact smaller product markets more severely.
7. **Drought vs Tahoe Clarity:** The drought has been credited with significantly helping to improve the water clarity in Lake Tahoe. The lack of rain and reduced river flows into the Lake has prevented the dirt and grime, including forest fire residue, from reaching the Lake. Also, improvements in stormwater runoff and street sweeping procedures has helped keep the Lake clean. The measurement of the Lake depth shows that it is currently the clearest it has been in more than ten years.
8. **Governor Wants Stronger Groundwater Management:** Even though that State has passed a groundwater management plan and its residents are achieving the water reduction goals, the Governor has announced that he wants stepped up oversight of groundwater in the future. The Governor has reemphasized his placement of blame for the drought on climate change at the same time that scientists have attributed it to natural causes.



Municipal Water District of Orange County Priority Legislation

BILL	AUTHOR	HIGH PRIORITY	SUMMARY	LATEST ACTION	POLICY AREA	MWDOC POSITION	OTHER POSITIONS
Proposed Legislation							
AB 1	Brown [D]		Drought: local governments: fines. Would prohibit a city, county, or city and county from imposing a fine under any local maintenance ordinance or other relevant ordinance for a failure to water a lawn or having a brown lawn during a period for which the Governor has issued a proclamation of a state of emergency based on drought conditions.	7/13/15 Signed by the Governor	Local Water Resource	Support	
AB 10	Gatto [D]		Political Reform Act of 1974: economic interest disclosures. Would increase the thresholds at which a public official has a disqualifying financial interest in sources of income from \$500 to \$1,000, in investments in business entities from \$2,000 to \$5,000, and in interests in real property from \$2,000 to \$10,000. This bill contains other related provisions and other existing laws.	8/27/15 From committee: Amend, and do pass as amended. (Ayes 7, Noes 0.) (August 27). Read second time and amended. Ordered to third reading	Governance		ACWA - Favor
AB 149	Chavez [R]		Urban water management plans. The Urban Water Management Planning Act requires an urban water supplier to submit to the Department of Water Resources a copy of its urban water management plan and requires the department to prepare and submit to the Legislature, on or before December 31, in the years ending in 6 and 1, a report summarizing the status of plans adopted pursuant to the act. This bill, commencing January 1, 2017, would instead require an urban water supplier to update its plan at least once every 5 years on or before December 31 in years ending in 6 and one. The bill would instead require the department to submit its report to the Legislature, on or before December 31, in years ending in 7 and two.	7/6/15 Chaptered by Secretary of State - Chapter 49, Statutes of 2015.	Governance	Support	ACWA - Favor MET-Support
AB 300 (Two Year Bill)	Alejo [D]		Safe Water and Wildlife Protection Act of 2015. Would enact the Safe Water and Wildlife Protection Act of 2015, which would require the State Coastal Conservancy to establish and coordinate the Algal Bloom Task Force, in consultation with the Secretary of the Natural Resources Agency, and would prescribe the composition and functions and duties of the task force. The bill would require the task force to review the risks and negative impacts of toxic blooms and microcystin pollution and to submit a summary of its findings and recommendations to the secretary by January 1, 2017.	8/28/15 Failed Deadline pursuant to Rule 61(a)(11). (Last location was APPR. on 8/27/2015)	Water Quality		



Municipal Water District of Orange County Priority Legislation

AB 349	Gonzalez [D]		Common interest developments: property use and maintenance. Current law makes void and unenforceable any provision of the governing documents or architectural or landscaping guidelines or policies in a common interest development declaration that prohibits use of low water-using plants, or prohibits or restricts compliance with water-efficient landscape ordinances or regulations on the use of water, as specified. This bill would also make void and unenforceable any provision of the governing documents or architectural or landscaping guidelines or policies that prohibits use of low water-using landscapes that require not more than a specified amount of water. This bill contains other existing laws.	<u>9/4/15</u> Chaptered by Secretary of State - Chapter 266, Statutes of 2015.	Water Use Efficiency		ACWA- Favor
AB 434	Garcia, E [D]		Drinking water: point-of-entry and point-of-use treatment. Would specifically make the emergency regulations adopted by the State Department of Public Health before January 1, 2014, operative and would require that the emergency regulations remain in effect until repealed or amended by the State Water Resources Control Board. The bill would authorize the State Water Resources Control Board to award a grant for point-of-entry and point-of-use treatment, in lieu of centralized treatment, by a public water system that meets certain requirements. This bill contains other related provisions.	<u>9/1/15</u> Assembly Rule 77 suspended. Senate amendments concurred in. To Engrossing and Enrolling. (Ayes 80. Noes 0.)	Water Quality		ACWA - Favor
AB 585	Melendez [R]		Outdoor Water Efficiency Act of 2015: personal income tax credits: outdoor water efficiency. The Personal Income Tax Law allows various credits against the taxes imposed by that law. This bill, for taxable years beginning on or after January 1, 2015, and before January 1, 2021, or an earlier specified date, would allow a credit equal to 25% of the amount paid or incurred by a qualified taxpayer for water-efficiency improvements made to outdoor landscapes on qualified real property in this state, not to exceed \$2,500 per taxable year, as specified. This bill contains other related provisions.	<u>8/27/15</u> In committee: Held under submission.	Water Use Efficiency		MET-Support ACWA- Favor
AB 603	Salas [D]		Income taxes: turf removal tax credit. Would, under Personal Income Tax Law and the Corporation Tax Law, for taxable years beginning on and after January 1, 2015, allow a credit to a taxpayer participating in a lawn replacement program, as defined, in an amount equal to \$2 per square foot of conventional lawn removed from the taxpayer's property. The bill would make findings and declarations in this regard. This bill contains other related provisions.	<u>5/28/15</u> Joint Rule 62(a), file notice suspended. In committee: Held under submission.	Water Use Efficiency		MET-Support ACWA- Favor



Municipal Water District of Orange County Priority Legislation

AB 606	Levine [D]		Water conservation. Would require the Department of General Services to identify each public property added to the department's state property inventory beginning January 1, 2015, where it is feasible for water consumption to be reduced and water efficiencies to be achieved through replacement of landscaping, irrigation timers, or spray sprinkler heads, or any combination thereof, and would require the appropriate replacements where feasible, except as specified.	9/1/15 Assembly Rule 77 suspended. Senate amendments concurred in. To Engrossing and Enrolling. (Ayes 79. Noes 0.)	Water Use Efficiency		MET-Support ACWA- Favor
AB 647 (2 year bill)	Eggman [D]		Beneficial use: diversion of water underground. Would declare that the diversion of water underground constitutes a beneficial use of water for which an appropriation may be made if the diverted water is stored and thereafter applied to beneficial use or if beneficial use of the water, including, but not limited to, protection of water quality or recovery of groundwater levels, is made while the water is underground. This bill would provide that the period for the reversion of a water right does not apply to water being beneficially used in the aquifer or being held in storage for later beneficial use.	7/17/15 Failed Deadline pursuant to Rule 61(a)(10). (Last location was N.R. & W. on 6/30/2015)	Water Transfers		
AB 656	Garcia, C [D]		Joint powers agreements: mutual water companies. Current law authorizes local public entities, as defined, to enter into a joint powers agreement for the purposes of providing risk-pooling, as specified. This bill would specifically authorize 2 or more mutual water companies, or 2 or more mutual water companies and one or more public agencies that operate a public water system, to participate in joint powers agreement for risk-pooling, technical support, and other similar services.	9/3/15 Chaptered by Secretary of State - Chapter 250, Statutes of 2015.	Governance		
AB 723 (Two Year Bill)	Rendon [D]		Plumbing fixtures: WaterSense standards. Would, beginning January 1, 2017, prohibit manufacturers selling water closets, urinals, bathroom faucets, and shower heads from installing or selling any of the aforementioned plumbing fixtures that do not meet WaterSense standards set by the federal Environmental Protection Agency, as specified. The bill would require these manufacturers, by January 30 of each year, to inform, in writing, the California Energy Commission, the department, and the California Building Standards Commission of the number of WaterSense certified models it is offering for sale that year as compared to the years 2010 to 2014, inclusive.	8/28/15 Failed Deadline pursuant to Rule 61(a)(11). (Last location was APPR. on 7/16/2015)	Water Use Efficiency		ACWA- Favor
AB 888	Bloom [D]		Waste Management: plastic microbeads. Would prohibit, on and after January 1, 2020, a person, as defined, from selling or offering for promotional purposes in this state a personal care product containing intentionally added plastic microbeads, as specified. The bill would exempt from those prohibitions the sale or promotional offer of a product containing less than 1 part per million (ppm) by weight of plastic microbeads, as provided. This bill contains other related provisions.	9/4/15 In Assembly. Concurrence in Senate amendments pending. May be considered on or after September 6 pursuant to Assembly Rule 77.	Water Quality		



Municipal Water District of Orange County Priority Legislation

AB 935	Salas [D]		Integrated Regional Water Management Plans: conveyance projects: grants and expenditures. Would require the Department of Water Resources to provide grants and expenditures, consistent with an integrated regional water management plan, for the planning, design, and construction of local and regional conveyance projects that support regional and interregional connectivity and water management and provide certain benefits. The bill would authorize the department to adopt regulations to implement these provisions.	<u>9/4/15</u> Read third time and amended. Ordered to second reading.	Water Infrastructure Financing		
AB 954	Mathis [R]		Water Quality, Supply, and Infrastructure Improvement Act of 2014. Current law, the Water Quality, Supply, and Infrastructure Improvement Act of 2014, approved by the voters as Proposition 1 at the November 4, 2014, statewide general election, authorizes the issuance of general obligation bonds in the amount of \$7,545,000,000 to finance a water quality, supply, and infrastructure improvement program. This bill would state the intent of the Legislature to enact legislation to implement this bond act.	<u>8/27/15</u> In committee: Held under submission.	Water Infrastructure Financing		
AB 1077	Holden [D]		Mutual water companies: open meetings. Would prohibit a mutual water company from meeting solely in an executive session without holding a meeting. The bill would require a board of directors of a mutual water company to allow an eligible person to personally attend a meeting of the board, if the eligible person gave the board at least 24 hours advance written notice of his or her intent to personally attend the meeting. This bill contains other existing laws.	<u>9/3/15</u> Assembly Rule 77 suspended. Senate amendments concurred in. To Engrossing and Enrolling. (Ayes 80. Noes 0).	Governance		ACWA - Not Favor
AB 1164	Gatto (D)		Water conservation: drought tolerant landscaping: This bill would prohibit a city, including a charter city, county, and city and county, from enacting or enforcing any ordinance or regulation that prohibits the installation of synthetic grass or artificial turf on residential property, as specified . The bill would continuously appropriate \$300,000,000 from the General Fund to the Department of Water Resources in equal amounts of \$100,000,000 for each of the 2015-16, 2016-17, and 2017-18 fiscal years, to provide matching funds to specified local agencies to provide incentives to residents to replace water inefficient landscaping with drought tolerant landscaping. Amended to remove fiscal appropriation.	<u>9/4/15</u> Read third time and amended. Ordered to second reading.	Turf Removal		ACWA- Favor
AB 1242	Gray [D]		Water quality: impacts on groundwater basins: mitigation measures. Would require the State Water Resources Control Board to take into consideration any applicable groundwater sustainability plan or alternative in formulating state policy for water quality control and adopting or approving a water quality control plan that affects a groundwater basin. This bill contains other related provisions and other existing laws.	<u>9/2/15</u> Read second time. Ordered to third reading. Referred to Com. on RLS. pursuant to Senate Rule 29.10 (b).	Water Quality		ACWA- Favor



Municipal Water District of Orange County Priority Legislation

AB 1244 (2 Year Bill)	Gray [D]		Water rights: small irrigation use. Current law authorizes any person to obtain a right to appropriate water for a small irrigation use upon registering the use with the State Water Resources Control Board and thereafter applying the water to reasonable and beneficial use with due diligence. This bill would require the board to adopt general conditions, in consultation with the Department of Food and Agriculture, the University of California Cooperative Extension, and others, including, but not limited to the Department of Fish and Wildlife, for small irrigation use, unless the board determines that sufficient funds are not available for that purpose.	<u>5/1/2015</u> -Failed Deadline pursuant to Rule 61(a)(2). (Last location was W., P. & W. on 3/23/2015)	Water Use Efficiency		
AB 1454 (2 Year Bill)	Wagner [R]		State policy for water quality control: California Ocean Plan. Would require the plan to be reviewed at least every 4 years.	<u>5/1/2015</u> -Failed Deadline pursuant to Rule 61(a)(2). (Last location was RLS. on 4/23/2015)	Water Quality		
SB 7	Wolk [D]		Housing: water meters: multiunit structures. Would express the intent of the Legislature to encourage the conservation of water in multifamily residential rental buildings through means either within the landlord's or the tenant's control, and to ensure that the practices involving the submetering of dwelling units for water service are just and reasonable, and include appropriate safeguards for both tenants and landlords. This bill contains other related provisions and other existing laws.	<u>9/4/15</u> Read third time and amended. Ordered to third reading.	Water Use Efficiency		
SB 47 (2 Year Bill)	Hill [D]		Environmental health: synthetic turf. Would require the Office of Environmental Health Hazard Assessment, by July 1, 2017, in consultation with the Department of Resources Recycling and Recovery, the State Department of Public Health, and the Department of Toxic Substances Control, to prepare and provide to the Legislature and post on the office's Internet Web site a study analyzing synthetic turf, as defined, for potential adverse health impacts. The bill would require the study to include certain information, including a hazard analysis of exposure to the chemicals that may be found in synthetic turf, as provided.	<u>5/29/15</u> Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. on 5/28/2015)	Water Use Efficiency		
SB 122	Jackson [D]		California Environmental Quality Act: record of proceedings. CEQA establishes a procedure for the preparation and certification of the record of proceedings upon the filing of an action or proceeding challenging a lead agency's action on the grounds of noncompliance with CEQA. This bill would require the lead agency, at the request of a project applicant and consent of the lead agency, to prepare a record of proceedings concurrently with the preparation of a negative declaration, mitigated negative declaration, EIR, or other environmental document for projects. This bill contains other related provisions.	<u>8/28/15</u> Failed Deadline pursuant to Rule 61(a)(11). (Last location was APPR. SUSPENSE FILE on 7/15/2015)	CEQA		ACWA - Not favor unless amended (Would open final EIR to public comment) changed to Watch



Municipal Water District of Orange County Priority Legislation

SB 127 (2 Year Bill)	Vidak [R]		Environmental quality: Water Quality, Supply, and Infrastructure Improvement Act of 2014. CEQA establishes a procedure by which a person may seek judicial review of the decision of the lead agency made pursuant to CEQA and a procedure for the preparation and certification of the record of proceedings upon the filing of an action or proceeding challenging a lead agency's action on the grounds of noncompliance with CEQA. This bill would require the public agency, in certifying the environmental impact report and in granting approvals for projects funded, in whole or in part, by Proposition 1, including the concurrent preparation of the record of proceedings and the certification of the record of proceeding within 5 days of the filing of a specified notice, to comply with specified procedures.	<u>5/1/2015</u> -Failed Deadline pursuant to Rule 61(a)(2). (Last location was E.Q. on 2/5/2015)	CEQA		ACWA - Not Favor unless amended
SB 143 (2 Year Bill)	Stone [R]		Diamond Valley Reservoir: recreational use. Current law, with certain exceptions, prohibits recreational use, in which there is bodily contact with water, in a reservoir in which water is stored for domestic use and establishes water standards for those exempted reservoirs. This bill would exempt from this prohibition recreational activity in which there is bodily contact with water by any participant in the Diamond Valley Reservoir if certain standards are met. This bill contains other related provisions.	<u>5/15/2015</u> -Failed Deadline pursuant to Rule 61(a)(3). (Last location was E.Q. on 2/5/2015)	MET	Oppose	MET- Oppose ACWA- Not Favor
SB 208	Lara [D]		Integrated regional water management plans: grants: advanced payment. Would require a regional water management group, within 90 days of notice that a grant has been awarded, to provide the state entity administering the grant with a list of projects to be funded by the grant funds where the project proponent is a nonprofit organization, as defined, or a disadvantaged community, as defined, or the project benefits a disadvantaged community. This bill contains other existing laws.	<u>9/3/15</u> Enrolled and presented to the Governor at 5:45 p.m.	Fiscal Policy		ACWA- Favor
SB 355	Lara [D]		San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy. Would require that only one member of the Orange County Division of the League of California Cities be a voting member of the San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy, and would require that a resident of a city bordering the Lower Los Angeles River, appointed by the Senator Committee on Rules, be a voting member. The bill would also increase the number of nonvoting members to 9, and would require that one Member of the Senate, appointed by the Senate Committee on Rules, and one Member of the Assembly, appointed by the Speaker of the Assembly, serve as those nonvoting members. Amended to preserve OC seats.	<u>9/1/15</u> Enrolled and presented to the Governor at 4:30 p.m.	Fiscal Policy	Oppose	



Municipal Water District of Orange County Priority Legislation

SB 385	Hueso [D]		Primary drinking water standards: variances: hexavalent chromium. Would authorize, until January 1, 2020, the State Water Resources Control Board, at the request of a public water system, to grant a variance from the primary drinking water standard for hexavalent chromium if the public water system prepares and submits a compliance plan, the state board approves the compliance plan, the public water system provides specified notice requirements regarding the compliance plan to its customers, and the public water system sends annual reports to the state board that updates the status of the approved compliance plan.	9/4/15 Chaptered by Secretary of State, Chapter 272, Statutes of 2015.	Water Quality	ACWA - Support/ Sponsor MET-Support
SB 553 (2 year bill)	Wolk [D]		Water conservation. Would require the Department of General Services to identify each public property in the department's state property inventory where it is feasible for water consumption to be reduced and water efficiencies to be achieved through implementation of the relevant recommendations made in the model water efficient landscape ordinance and would require the department to implement the relevant recommendations where feasible, except as specified. This bill contains other existing laws.	5/29/15 Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. on 5/28/2015)	Water Use Efficiency	MET-Support ACWA- Favor
SB 555	Wolk [D]		Department of Water Resources: urban retail water suppliers: water loss audits. Would require each urban retail water supplier, on or before July 1, 2017, to conduct a water loss audit as prescribed by rules adopted by the Department of Water Resources on or before July 1, 2016. This bill would require an urban retail water supplier to submit a validated audit report to the department within 60 days of completion and the department to post the report on its Internet Web site in a timely manner after its receipt. This bill would require the department to provide technical assistance to guide urban retail water suppliers' water loss detection programs.	9/4/15 Assembly amendments concurred in. (Ayes 40. Noes 0.) Ordered to engrossing and enrolling.	Governance	
Groundwater Legislation						
AB 452 (2 Year Bill)	Bigelow [R]		Water Rights Fund: Groundwater Regulation Subaccount. Would establish the Groundwater Regulation Subaccount in the Water Rights Fund and would provide that moneys in the subaccount are available, upon appropriation by the Legislature, to the State Water Resources Control Board for the purpose of board enforcement of the provisions of the Sustainable Groundwater Management Act. This bill contains other related provisions and other existing laws.	5/1/2015 Failed Deadline pursuant to Rule 61(a)(2). (Last location was W., P. & W. on 4/22/2015)	Governance	ACWA- Favor
AB 453	Bigelow [R]		Groundwater management. Would authorize, until a groundwater sustainability plan is adopted, a local agency to amend an existing groundwater management plan in furtherance of, and consistent with, the groundwater management plan's objectives.	9/4/15 Read third time and amended. Ordered to second reading.	Local Water Resource	ACWA- Favor



Municipal Water District of Orange County Priority Legislation

AB 454 (2 Year Bill)	Bigelow [R]		Sustainable groundwater management. Would require a high- or medium-priority basin that is not subject to critical conditions of overdraft to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plan by January 31, 2023. This bill contains other related provisions and other existing laws.	5/29/15 Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. on 4/14/2015)	Local Water Resource		ACWA - Favor changed to watch
AB 455 (2 Year Bill)	Bigelow [R]		Groundwater sustainability plans: environmental impact reports. Would require the Judicial Council, on or before July 1, 2016, to adopt a rule of court to establish procedures applicable to actions or proceedings brought to attack, review, set aside, void, or annul the certification of an EIR for projects covered by a groundwater sustainability plan that require the actions or proceedings be resolved within 270 days of certification of the record of proceeding. The bill would also prohibit the court from staying or enjoining the construction or operation of the project unless the court makes a certain finding. This bill contains other existing laws.	5/1/2015 -Failed Deadline pursuant to Rule 61(a)(2). (Last location was W., P. & W. on 3/5/2015)	Local Water Resource		
AB 936 (2 Year Bill)	Salas [D]		Groundwater monitoring. If there is insufficient interest in establishing a management plan or ground watering association, and the county decides not to perform groundwater monitoring and reporting functions, the Department of Water Resources is required to perform the groundwater monitoring functions. In that event, specified entities with authority to assume groundwater monitoring functions with regard to a basin or subbasin for which the department has assumed those functions are not eligible for a water grant or loan awarded or administered by the state. This bill would create an exception from this eligibility restriction if the entity submits to the department for approval documentation demonstrating the water grant or loan project includes those actions needed to comply with groundwater monitoring functions.	5/29/15 Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. on 5/28/2015)	Local Water Resource		ACWA- Favor
AB 937 (Two Year Bill)	Salas [D]		Groundwater recharge. Under current law, the right to water or to the use of water is limited to that amount of water that may be reasonably required for the beneficial use to be served. Current law declares that the storing of water underground, and related diversions for that purpose, constitute a beneficial use of water if the stored water is thereafter applied to the beneficial purposes for which the appropriation for storage was made. This bill would state the intent of the Legislature to enact legislation relating to groundwater recharge.	8/28/15 Failed Deadline pursuant to Rule 61(a)(11). (Last location was APPR. on 8/27/2015)	Local Water Resource		ACWA- Favor



Municipal Water District of Orange County Priority Legislation

AB 938 (Two Year Bill)	Salas [D]		<p>Groundwater: basin reprioritization: establishment of groundwater sustainability agency. The Sustainable Groundwater Management Act requires a local agency, any time the Department of Water Resources changes basin priorities and elevates a basin to a medium- or high-priority basin after January 31, 2015, to either establish a groundwater sustainability agency within 2 years of reprioritization and adopt a groundwater sustainability plan within 5 years of reprioritization, or to submit an alternative to the department that the local agency believes satisfies the objectives of these provisions within 2 years of reprioritization. This bill would impose the requirement to establish a groundwater sustainability agency or submit an alternative after reprioritization on a local agency or combination of local agencies overlying a groundwater basin.</p>	<u>7/17/15</u> Failed Deadline pursuant to Rule 61(a)(10). (Last location was N.R. & W. on 5/7/2015)	Local Water Resource		ACWA- Favor
AB 939	Salas [D]		<p>Groundwater sustainability agency: financial authority. The Sustainable Groundwater Management Act authorizes a groundwater sustainability agency to impose fees to fund the costs of a groundwater sustainability program and requires a groundwater sustainability agency to hold at least one public meeting prior to imposing or increasing a fee. The act requires, at least 10 days prior to the meeting, a groundwater sustainability agency to make available to the public data upon which the proposed fee is based. This bill would require a groundwater sustainability agency to make the data upon which the proposed fee is based available 20 days prior to the public meeting to impose or increase a fee.</p>	<u>9/1/15</u> Assembly Rule 77 suspended. Senate amendments concurred in. To Engrossing and Enrolling. (Ayes 79. Noes 0).	Local Water Resource		
AB 1243 (2 Year Bill)	Gray [D]		<p>Groundwater recharge: grants. Would establish the Groundwater Recharge Grant Fund and would provide that moneys in the fund are available, upon appropriation by the Legislature, to the State Water Resources Control Board to provide grants to local governments and water districts for groundwater recharge infrastructure projects. This bill contains other related provisions and other existing laws.</p>	<u>5/1/2015</u> Failed Deadline pursuant to Rule 61(a)(2). (Last location was W., P. & W. on 3/23/2015)	Local Water Resource		
SB 13	Pavley [D]		<p>Groundwater. Would provide a local agency or groundwater sustainability agency 90 or 180 days, as prescribed, to remedy certain deficiencies that caused the State Water Resources Control Board to designate a groundwater basin as a probationary basin. This bill would authorize the board to develop an interim plan for certain probationary basins one year after the designation of the basin as a probationary basin. This bill contains other related provisions and other existing laws.</p>	<u>9/3/15</u> Chaptered by Secretary of State - Chapter 255, Statutes of 2015.	Local Water Resource		ACWA - Favor and Amend



Municipal Water District of Orange County Priority Legislation

SB 173 (2 Year Bill)	Nielsen [R]		<p>Groundwater: de minimis extractors. Current law generally excepts a de minimis extractor from the requirement that a person who extracts groundwater from a probationary basin, as prescribed, or extracts groundwater on or after July 1, 2017, in an area within a basin that is not within the management area of a groundwater sustainability agency and where the county does not assume responsibility to be the groundwater sustainability agency has to file a report of groundwater extraction by December 15 of each year for extractions made in the preceding water year with the State Water Resources Control Board. This bill would define a de minimis extractor for the purposes of these provisions as a person who extracts, for domestic purposes, 10 acre-feet or less per year.</p>	<u>5/1/2015</u> -Failed Deadline pursuant to Rule 61(a)(2). (Last location was N.R. & W. on 3/24/2015)	Local Water Resource	ACWA- Not Favor Unless Amended
SB 226	Pavley [D]		<p>Sustainable Groundwater Management Act: groundwater rights. Would provide, under the Sustainable Groundwater Management Act, that a groundwater sustainability plan or coordinated groundwater sustainability plans establishes a timely method for determining rights to groundwater in furtherance of the objectives of the act. This bill would require the process to be available to any court of competent jurisdiction. This bill would require the boundaries of a basin to be as identified in Bulletin 118, unless other basin boundaries are established, as specified.</p>	<u>9/3/15</u> Read third time and amended. Ordered to third reading.	Local Water Resource	ACWA - Not Favor Unless Amended
SB 228 (2 Year Bill)	Cannella [R]		<p>Groundwater storage: beneficial use. Would declare that the recharging of a groundwater basin by a local groundwater management agency or a local groundwater sustainability agency for the purposes of repelling saline intrusion and recovering basin groundwater levels constitutes a beneficial use of water if the recharge is consistent with the local agency's groundwater management plan or groundwater sustainability plan.</p>	<u>5/1/2015</u> -Failed Deadline pursuant to Rule 61(a)(2). (Last location was N.R. & W. on 2/26/2015)	Local Water Resource	
SB 487 (2 year bill)	Nielsen [R]		<p>Sustainable Groundwater Management Act: California Environmental Quality Act: exemptions. Would exempt from the requirements of CEQA the formation of a groundwater sustainability agency, the amendment of a groundwater sustainability plan or coordinated groundwater sustainability plan, and the implementation of those plans, except to the extent that the implementation requires the construction or installation of a new facility. Because a lead agency would be required to determine the applicability of this exemption, this bill would impose a state-mandated local program. This bill contains other related provisions and other existing laws.</p>	<u>5/1/2015</u> -Failed Deadline pursuant to Rule 61(a)(2). (Last location was E.Q. on 3/12/2015)	CEQA	ACWA- Favor
SB 568 (2 year bill)	Fuller [R]		<p>Groundwater management. Would declare the intent of the Legislature to enact legislation relating to the Sustainable Groundwater Management Act.</p>	<u>5/15/2015</u> -Failed Deadline pursuant to Rule 61(a)(3). (Last location was RLS. on 3/12/2015)	Local Water Resource	



Municipal Water District of Orange County Priority Legislation

SB 789 (Two Year Bill)	Wleckowski (D)		<p>Sale of water by local public entities: excise tax: Would authorize a local public entity that supplies water at retail or wholesale for the benefit of persons within the service area or area of jurisdiction of that public entity to impose, by ordinance, an excise tax on an excessive user of water, at a rate not to exceed 300% of the purchase price of the water, if the ordinance proposing the tax is approved by 2/3 of the electors voting on the measure and the revenue from the tax is equally distributed between the public entity and the State Water Resources Control Board for water conservation efforts within the jurisdiction of the public entity.</p>	<p>7/17/15 Failed Deadline pursuant to Rule 61(a)(10). (Last location was L. GOV. on 7/2/2015)</p>	Sale of Water	Oppose	
ACWA Monitored Legislation							
SB 20 (Two Year Bill)	Pavley [D]		<p>Wells: reports: public availability. Current law requires a person who digs, bores, or drills a water well, cathodic protection well, or a monitoring well, or abandons or destroys a well, or deepens or re-perforates a well, to file a report of completion with the Department of Water Resources. Current law prohibits those reports from being made available to the public, except under certain circumstances. This bill would instead require the department to, upon request, make the reports available to the public. The bill would require the department to provide specified disclaimers when providing the reports to the public.</p>	<p>7/17/15 Failed Deadline pursuant to Rule 61(a)(10). (Last location was W., P. & W. on 6/15/2015)</p>	Water Quality		

**Metropolitan Water District of Southern California
State Legislation Matrix 8/14/2015**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 149 Chavez (R) Sponsor: San Diego County Water Authority	Amended 6/11/15 Signed by Governor; Chapter 49, Statutes of 2015	Urban Water Management Plans: Amends UWMP Act to require urban water suppliers to submit 2020 plan to DWR by July 1, 2021. All requires DWR to submit its 2015 report to Legislature by July 1, 2017, and its 2020 report by July 1, 2022.	SUPPORT [based upon past support for AB 2067 (Weber) from 2013/14 legislative session]	Delay of UWMP submittal is necessary to capture retail water use data for full year of 2020 to meet requirements of SBX7-7 (2009). Additionally, updated population data from 2020 census will be available in spring of 2021. Delaying UWMP submittal will provide time to accommodate inclusion of comprehensive census data by wholesale and retail water suppliers.
AB 291 Medina (D) Sponsor: ACWA and McGeorge Law School Policy and Legislative Clinic	Amended 6/10/15 Senate Environmental Quality Committee; two- year bill	CEQA: Local Agencies: Notice of Determination: Amends CEQA to authorize local agency for multi-county water transfers to file notice of determination with county clerk in county of local agency's principal office and with Office of Planning and Research.	SUPPORT (based upon April 2013 board-adopted CEQA policy principles)	Would streamline filing of CEQA notices of determination for multi-county water transfers and improve public access to those notices. Notice of multi-county water transfers would be made available on CEQAnet for broader public access.
AB 349 Gonzalez (D) Sponsor: San Diego County Water Authority	Amended 6/17/15 Senate Appropriations Committee	Common Interest Developments: Amends Davis-Stirling Common Interest Development Act to prevent homeowners' associations from prohibiting use of artificial turf or any other synthetic surface that resembles grass.	SUPPORT (based upon August 2011 board-adopted water use efficiency policy principles)	Removes existing loophole with homeowners' associations in regards to converting water intensive landscape to more sustainable landscapes. Would encourage conservation and, at association level, could save significant amounts of water.

**Metropolitan Water District of Southern California
State Legislation Matrix 8/14/2015**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 501 Levine (D) Sponsor: Author	Amended 4/22/15 Assembly Appropriations Committee; suspense file; two-year bill	Resources: Delta Research: Requires person conducting state-funded research to take specified actions to share primary data, samples, physical collections and other supporting materials created or gathered in the course of the research with the Delta Science Program (DSP).	SUPPORT IF AMENDED (based upon June 2007 board-adopted Delta Action Plan)	Metropolitan has strongly supported, and has argued for, more transparency regarding data collected or used for Delta science. Metropolitan will seek amendments to ensure data comparability; to confirm that data is easily discoverable, accessible and usable; to ensure existing state repositories are used by the DSP; and include the development of web services for larger state databases in existence.
AB 585 Melendez (D) Sponsor: Author	Amended 7/15/15 Assembly Revenue and Taxation Committee; suspense file; two-year bill	Outdoor Water Efficiency: Personal Income Tax Credit: For taxable years beginning on January 1, 2015 to January 1, 2021, or until Governor rescinds current drought state of emergency, authorizes personal income tax credit equal to 25% of amount paid for water-efficiency improvements for outdoor landscapes.	SUPPORT (based upon August 2011 board-adopted water use efficiency policy principles)	Will incentivize homeowners to make improvements to outdoor landscapes during current drought emergency, which would reduce residential water demand.

**Metropolitan Water District of Southern California
State Legislation Matrix 8/14/2015**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 603 Salas (D) Sponsor: Author	Amended 5/21/15 Assembly Appropriations Committee; suspense file; two-year bill	Income Taxes: Turf Removal Tax Credit: Allows tax credit equal to \$2 per square foot of lawn removed by taxpayer who participates in water utility's incentive program.	SUPPORT (based upon August 2011 board-adopted water use efficiency policy principles)	Will incentivize homeowners and businesses to make improvements to outdoor landscapes, which would reduce residential and commercial water demand.
AB 606 Levine (D) Sponsor: Author	Amended 5/12/15 Senate Appropriations Committee - 8/17/15 hearing	Water Conservation: Requires Dept. of General Services to increase water efficiencies when repairing, replacing or installing landscaping or irrigation on state properties, including implementation of recycled water irrigation.	SUPPORT (based upon August 2011 board-adopted water use efficiency policy principles)	Would reduce water use on state-owned properties where irrigation equipment is installed or replaced.

**Metropolitan Water District of Southern California
State Legislation Matrix 8/14/2015**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 647 Eggman (D) Sponsor: Author	Amended 6/30/15 Senate Natural Resources and Water Committee; two- year bill	Beneficial Use: Storing of Water Underground: Would amend California Water Code to state that diversion of water underground to protect water quality, prevent land subsidence or prevent or remediate chronic lowering of groundwater levels is a beneficial use. Also states that existing forfeiture provisions for non-use of water for period of longer than five years would not apply to water being beneficially used for these specific purposes.	SUPPORT (PENDING)	Recent amendment includes safeguards to ensure that permanent underground storage is implemented in reasonable manner. Amendments provide that SWRCB must confirm that flows are not already appropriated or diverted at times when federal Central Valley Project, State Water Project or other permitted reservoir releases are required to release supplemental project water to meet water quality objectives in Delta watershed.
AB 888 Bloom (D) Sponsors: Californians Against Waste, CASA, Clean Water Action	Amended 4/22/2015 Senate Floor	Waste Management: Plastic Microbeads - Prohibits sale of personal care products containing plastic microbeads by January 1, 2020, as specified.	SUPPORT (based upon board action in June 2015)	Would protect Sacramento/San Joaquin Bay Delta, Colorado River and other watersheds from microbead pollution and mitigate impacts to the aquatic environment.

**Metropolitan Water District of Southern California
State Legislation Matrix 8/14/2015**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 1139 Campos (D) Sponsor: Author	Amended 3/26/15 Assembly Revenue and Taxation Committee; two- year bill	Personal Income Tax Credit: Turf Removal: For taxable years beginning on January 1, 2015, authorizes tax credit to taxpayer participating in lawn replacement program in amount equal to \$2 per square foot of conventional lawn removed up to \$50,000 per taxable year.	SUPPORT (based upon August 2011 board-adopted water use efficiency policy principles)	Will incentivize homeowners to make improvements to outdoor landscapes, which would reduce residential water demand.
AB 1164 Gatto (D) Sponsor: Author	Amended 7/16/15 Senate Appropriations Committee - 8/17/15 hearing	Water Conservation: Prohibits enacting or enforcing local ordinances or regulations that prohibit installation of synthetic turf on residential property. Also continuously appropriates \$300 million from General Fund to DWR, over three fiscal years, as matching funds to incentivize residents to replace water inefficient landscaping with drought-tolerant landscaping.	SUPPORT (based upon August 2011 board-adopted water use efficiency policy principles)	AB 1164 not only provides critical funding for immediate drought response, but also provides long-term benefits by focusing public attention on necessary transition to more drought tolerant landscapes throughout California.
AB 1201 Salas (D) Sponsor: Author	Amended 7/16/15 Senate Appropriations Committee – 8/17/15 hearing	Delta: Predation: Directs Department of Fish and Wildlife to develop science-based approach that addresses predation in the Delta.	SUPPORT (based upon June 2007 board- adopted Delta Action Plan)	Aligns with Metropolitan's broader efforts to base management decisions in Delta on science. Places responsibility on appropriate state agency to manage statewide problem.

**Metropolitan Water District of Southern California
State Legislation Matrix 8/14/2015**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 1325 Salas (D) Sponsor: Author	Introduced 2/27/15 Assembly Water, Parks and Wildlife Committee; failed passage; granted reconsideration; two year-bill	Delta Smelt Preservation: Would establish Delta Smelt Preservation and Restoration Act of 2016 to require Dept. of Fish and Wildlife to develop delta smelt fish hatchery program to help preserve species.	SUPPORT IN CONCEPT [based upon board action in May 2008 on SB 994 (Florez)]	Delta smelt generally live only one year, making its long-term survival dependent on each year's offspring. Recent monitoring trawls indicate smelt population has declined to lowest levels in recorded history.
SB 143 Stone (R) Sponsor: Author	Introduced 1/27/15 Senate Environmental Quality Committee; two- year bill	Diamond Valley Lake: Recreational Use: Would exempt Diamond Valley Lake (DVL) in Riverside County from statutory protections for drinking water reservoirs.	OPPOSE (based upon board action in February 2015)	Body-contact recreation at DVL will increase risk of waterborne disease to downstream consumers. By excluding body-contact recreation at DVL, as was decided by Metropolitan's Board in 1998, Metropolitan has provided high- quality boating experience while protecting public health of downstream water consumers.

**Metropolitan Water District of Southern California
State Legislation Matrix 8/14/2015**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 385 Hueso (D) Sponsor: ACWA	Amended 6/18/15 Assembly Floor	Primary Drinking Water Standards: Hexavalent Chromium: Compliance Plan: Authorizes SWRCB to grant public water system period of time to achieve compliance with hexavalent chromium, as specified. Will protect public water system from being deemed in violation while implementing SWRCB-approved compliance plan.	SUPPORT (based upon board action in April 2015)	An extended implementation period is sound public policy that balances need to protect public health with practical implementation constraints.
SB 471 Pavley (D) Sponsor: Author	Amended 7/7/15 Assembly Appropriations Committee	Water, Energy and Reduction of Greenhouse Gas Emissions (GHG): Would authorize SWRCB, in cooperation with the CEC, CARB, PUC and DWR, to establish grant and loan program for water projects that result in net reduction of water-related GHGs. Also directs CEC, in cooperation with SWRCB, CARB, PUC and DWR to conduct study of water-related energy use in California.	SUPPORT AND SEEK AMENDMENTS (based upon August 2008 board-adopted energy policy principles)	While energy use has always been key factor in water resource planning, measure would provide new opportunities for accessing funding for projects that reduce water-related GHG emissions.

**Metropolitan Water District of Southern California
State Legislation Matrix 8/14/2015**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 485 Hernandez (D) Sponsor: LA County Sanitation District	Amended 7/7/15 Assembly Floor	County of Los Angeles: Sanitation Districts (LACSD) – Allows sanitation districts in LA County to divert, manage and treat stormwater and dry weather runoff. Water would then be discharged into stormwater system or receiving water body for beneficial use. Would clarify that bill does not alter any existing water rights or water rights law.	SUPPORT (based upon board action in May 2015)	Provides another alternative for cities and Los Angeles County Flood Control District (LACFCD) to comply with LA Region Municipal Separate Storm Sewer System (MS4) permit. Metropolitan does discharge into storm drain system as conditionally exempt essential public service and through approval by LACFCD. By managing stormwater and dry-weather runoff, LACSD could help reduce concentration of various constituents via treatment prior to discharge into receiving water body.
SB 553 Wolk (D) Sponsor: Author	Introduced 2/26/15 Senate Appropriations Committee; suspense file; two-year bill	Water Conservation: Requires Dept. of General Services to identify each public property in department's property inventory and, where feasible, implement water demand reductions to comply with model water efficient landscape ordinance developed by Dept. of Water Resources.	SUPPORT (based upon August 2011 board-adopted water use efficiency policy principles)	Will result in state-owned property contributing to statewide water savings by utilizing water efficient improvements for outdoor irrigation.

**Metropolitan Water District of Southern California
State Legislation Matrix 8/14/2015**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 637 Allen (D) Sponsor: Sierra Fund	Amended 7/7/15 Assembly Appropriations Committee	Suction Dredge Mining Permits: Prohibits Dept. of Fish and Wildlife (DFW) from issuing permit for suction dredge mining until application is complete and all required water quality permits are issued. DFW to issue permit if it determines suction dredge will not cause significant effects to fish and wildlife. SWRCB or RWQCBs must adopt waste discharge requirements that address mercury effects of suction dredge mining.	SUPPORT (based upon June 2007 board-adopted Delta Action Plan)	Regulation of suction dredge mining permits could benefit listed salmon and steelhead runs in the Sacramento and Central Valleys. Could also help minimize new influxes of mercury into the Delta, where methylation is an ongoing problem that requires further study and mitigation to avoid impacts to tidal marsh restoration efforts.



DISCUSSION ITEM

September 15, 2015

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

FROM: Robert Hunter Staff Contacts: Karl Seckel, Harvey De La Torre,
General Manager Heather Baez

SUBJECT: California WaterFix Partially Recirculated Draft EIR/Supplemental EIS

STAFF RECOMMENDATION

Staff recommends the Board take an official position of support for the California WaterFix Alternative 4A and provide written comments on the partially Recirculated Draft EIR/ Supplemental EIS. A comment letter is being prepared for approval next month. This month's report is for discussion purposes and to circulate information to MWDOC's member agencies.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

On April 30, 2015 State and Federal lead agencies for the Bay Delta Conservation Plan (BDCP) announced the proposal of a modified sub-alternative to the previously proposed BDGP preferred Alternative 4. The new Alternative 4A includes the conveyance facilities proposed under the BDGP's Alternative 4 but does not include the elements of a habitat conservation plan and takes a different regulatory approach for gaining necessary permits and authorizations for implementation under the Federal Endangered Species Act (ESA) and the California Endangered Species Act (CESA).

Budgeted (Y/N):	Budgeted amount: n/a	Core ✓	Choice __
Action item amount: \$0	Line item: n/a		
Fiscal Impact (explain if unbudgeted): Staff & consultant time			

The BDCP was a joint Habitat Conservation Plan/ Natural Communities Conservation Plan intended to lead to long term federal and state ESA permits for operation of the State Water Project (SWP) and Central Valley Project (CVP). The BDCP contained 23 Conservation Measures (CMs) and which when implemented in their entirety would achieve the co-equal goals set by the legislature of water supply reliability and environmental restoration in the Bay Delta.

The change in regulatory approach to ESA compliance from a 50 year permit under the federal Section 10 and California's Natural Communities Conservation Planning Act (NCCPA) under the BDCP to a Section 7 consultation for the California WaterFix is a substantial change that requires environmental review under both CEQA and NEPA. The lead agencies prepared a partially Recirculated Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) on the BDCP that analyzes the new proposed Alternative 4a (California WaterFix). It also incorporates portions of the Draft EIR/EIS that have been revised as a result of comments received during the public review period and changes in the environmental impact analysis that are substantive enough to require another public review prior to when the final documents are released.

Staff is in the process of reviewing the changes to the BDCP DEIR/EIS and developing a "Comment Letter" on the Draft RDEIR/SDEIS. Public comments are due by October 30, 2015. On May 21, 2014, the Board authorized staff to submit a detailed comment letter on the DEIR/EIS, which was dated July 24, 2014. When the Final EIR/EIS is published by the lead agencies responses to the comments previously submitted by MWDOC and other commenters will be available. A detailed Comment Letter on the Draft RDEIR/SEIS will be brought back to the Board in October for approval. Attached is a model comment letter prepared by Metropolitan for use by its member agencies and sub-agencies (Attachment A)

REPORT

Issuance of ESA permits is a discretionary action subject to both the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA). The State and Federal lead agencies for the BDCP prepared a joint Draft Environmental Impact Report /Environmental Impact Statement (DEIR/EIS) to analyze the potential environmental impacts of BDCP implementation. The DEIR/EIS identified a proposed alternative that consisted of a new north delta diversion point and the construction of 3 new intakes and dual tunnels capable of conveying 9000 cfs of water supply and included 145,000 acres of habitat restoration in the delta. The new intakes and dual tunnels (CM1) were analyzed in the DEIR/EIS to a project specific level which would allow construction to commence following formal completion of the CEQA/NEPA process and the issuance of permits. The other 22 CMs were only analyzed to a programmatic level and would require additional CEQA/NEPA review to begin implementation. Together, the 23 CMs would meet the co-equal goals established by the legislature.

Prior Actions on BDCP

On December 13, 2013, the DEIR/EIS and Draft BDCP were released by the lead agencies for an extended 120 day public review. That public comment period was later extended to June 13, 2014 and then again to July 29, 2014 to allow for comments on a draft Implementing Agreement (IA) for the HCP/NCCP. The IA is a key document that manages

the implementation of an HCP/NCCP and the roles of the permittees, the resource agencies, rules of governance and the regulatory assurances provided in the 50 year permit. On July 24, 2014 MWDOC submitted its formal comments on the Draft BDCP, DEIR/EIS and the Draft IA.

Revised and Recirculated DEIR/SEIS

The RDEIR/DEIS includes both the addition of the new preferred Alternative 4A and two other alternatives, 2A (15,000 cfs conveyance capacity) and 5A (3000 cfs conveyance capacity). It also addresses specific comments received during the public review process and revises certain parts of the environmental analysis in response. Besides the addition of the three new alternatives, revisions made to the environmental analysis mainly address **improvements in the documents' impact analyses through the availability of more data and refinements in computer modeling results**. These changes have resulted in an overall strengthening of the accuracy of the impact analysis especially concerning the BDCP's effect on water quality resulting from new water supply operations. Other revisions include refinements in the design of the water conveyance Alternative 4A which provides more fish protection, a reduction in the overall construction footprint of the alternative, reduced energy requirements and a general lessening of construction related impacts.

From a water supply facilities standpoint, the new proposed Alternative 4A is essentially the same as the previous BDCP Alternative 4 with some notable exceptions. The BDCP's 23 CMs have been bifurcated into 2 separate and independent components. The California WaterFix consists of the water supply improvements of the proposed BDCP Alternative, the north delta diversion point, new intakes, the twin tunnels capable of conveying 9000 cfs of water supply and associated mitigation and habitat preservation. A scaled down version of the habitat restoration and enhancement components of the BDCP are now part of EcoRestore. Additional environmental enhancement has been designated as the responsibility of the water conveyance facilities. These are now called Environmental Commitments. Although both California WaterFix and EcoRestore are proceeding separately they will still in combination achieve the legislatively mandated co-equal goals.

From MWDOC's perspective as a regional water supplier dependent on stable and reliable SWP supplies there are several significant changes that Staff believes should be included in a formal comment letter on the RDEIR/SEIS. They are as follows:

- **Water Supply Reliability.** In MWDOC's July 24, 2014 BDCP comment letter it was noted that "*Orange County relies on the SWP to support groundwater conjunctive use programs and water recycling programs - it is an essential part of our water reliability strategy*". The primary reliability benefit of a north delta diversion is the ability to capture increased flow in wet and normal years when compared to the existing south delta pumps only. Capturing this increased flow in those years is critical to the foundation of Southern California's dry year strategy; reliable local supplies and storage. The current four year drought and the previous 2008-2010 drought clearly demonstrated the importance of investments made by Metropolitan in storage. It also highlighted the value of groundwater basins in Orange County and elsewhere in the Metropolitan service area as a storage asset that could reduce the demand for imported supplies in dry years. Being able to maintain high levels of storage in Metropolitan's system and in conjunctive use groundwater basins of its member agencies is dependent on maximizing SWP supplies during those wet and normal years when the system is much less stressed.

Additional information on yield and the benefits of real-time operations in contributing to that increased yield is critical information in planning to optimize all storage assets in southern California and enhance reliability during the inevitable prolonged dry periods that will occur. As noted in MWDOC's BDCP comment letter, it is important to recognize the economic cost of not stabilizing SWP supplies and taking action. More work on identified improved yield should take into consideration a future baseline that is more realistic than the CEQA/NEPA baselines in the DEIR/EIS and demonstrate the potential for even stricter constraints on south delta pumping going forward. Dr. David Sunding's economic analysis as part of the BDCP addressed those issues. Additional information should be developed for water suppliers to understand the more likely yield benefits of new conveyance facilities. Because of better modeling data for Fall Delta Outflow (X2) the range of average annual yield using the CEQA baseline in the RDEIR/SEIS has gone down by 300,000 acre feet (this reduction in yield results from a combination of moving the location of measuring X2 and having better data included in the modeling analysis). This only reinforces the need for better information on likely yield from new conveyance facilities.

- Change in Regulatory Approach.** An important factor in the BDCP and its achievement of the co-equal goals was that it sought to provide more stable and reliable SWP supplies through obtaining a 50 year permit for water supply operations under Section 10 of the ESA and the Natural Communities Conservation Planning Act (NCCPA) under CESA. Greater regulatory certainty and assurances in SWP operations resulting from a HCP/NCCP permit were a point of emphasis in MWDOC's BDCP comment letter. The change in permitting approach through ESA Section 7 and CESA Section 2081(b) is a more standard permitting path but one that contains less certainty and assurances on future requirements. It also does not guarantee the involvement of the permit holders and water contractors in operational decisions. Permit conditions developed under a Section 7 consultation can also include the Adaptive Management approach of the BDCP and the reliance on collaborative science to adjust to actual conditions and make operational decisions jointly with the permit holders. A significant difference between the Section 10 HCP/NCCP approach and the Section 7 Consultation is the standard used for species recovery. Section 10 requires a "*contribute to recovery*" of the species which is a very stringent standard open to interpretation. Section 7 requires the "*avoidance of jeopardy*" to a listed species, a more definable and achievable standard. Because SWP operations would be integrally linked to a fish protection standard, the "*avoidance of jeopardy*" standard contained in Section 7 may be more predictable and consistently attainable, thereby reducing the potential for impacts to SWP operations.

There are also ways to enhance regulatory assurances under a Section 7 consultation by adding *Safe Harbor Agreements* to the permit process. FWS and CDFW as part of Section 7 provide landowners with a "safe harbor," guaranteeing that no additional conservation measures will be required and "no additional land, water, or resource use restrictions will be imposed if the number of listed species grows as a result of the landowner's actions" (which are intended to avoid jeopardy of a listed species). Landowners who meet their Safe Harbor obligations can have an incidental take of covered species up to the baseline, which is the number of covered species on the landowner's property at the time the agreement is made. In this instance the state will be the landowner. It's a way to work in guarantees to the Section 7 consultation that provides additional guarantees. In this manner, the Adaptive Management approach of

the BDCP can provide a participative role for the permit holders and contractors through a Memorandum of Agreement. Staff believes a focus of MWDOC's comments in this area should be development of a hybrid ESA permitting approach between Section 7 and Section 10 providing a greater level of assurances and participative governance.

- **Habitat and Mitigation.** Under the BDCP water conveyance facilities and habitat enhancement and restoration were linked in the same permitting process. Under the modifications of the permitting process they have been delinked and the total number of habitat acreage has been significantly reduced. The reduction in acreage associated with tidal wetland creation under the BDCP has contributed to reduced water quality impacts (bromides in the water) analyzed under the RDEIR/SEIS. While overall habitat acreage has been reduced the amount of habitat and mitigation related to construction of the water conveyance facilities (Alternative 4A) has substantially **increased**. Under the BDCP, mitigation for direct impacts of the water conveyance facilities was less than 3,000 acres. That requirement has now increased under Alternative 4A to approximately 16,000 acres. There is no clear explanation on how that number was arrived at and why it is the financial responsibility of the water supply contractors. Staff will be including detailed comments on this topic in MWDOC's letter.

Staff has attached a model letter developed by Metropolitan to assist member agencies in drafting their own individual comment letters. MWDOC's comment letter will be aligned with and supportive of Metropolitan's position on these issues. In addition to a detailed comment letter a shorter version will be prepared to assist MWDOC member agencies that want to submit their own comment letter on the RDEIR/SEIS. It is expected that Dr. David Sunding of the Brattle Group will be releasing an updated economic analysis that was conducted as part of the BDCP. Staff will review this analysis and its estimated water supply yields under more stringent south delta pumping operational criteria as it prepares the detailed comment letter. Staff will return to the Board prior to the October 30, 2015 submission date for public comments on the RDEIR/SEIS.

Attachment A

Sample BDCP/California WaterFix Comment Letter For Metropolitan Member Agencies

BDCP/California WaterFix Comments
P.O. Box 1919
Sacramento, CA 95812

Dear BDCP/California WaterFix:

On behalf of the (agency name here), I would like to provide the following comments on the Bay Delta Conservation Plan/California WaterFix (BDCP/WaterFix) and its recirculated draft environmental impact statement/report released on July 10, 2015.

(Agency name here) relies on State Water Project (SWP) supplies as an important component of Southern California's overall water portfolio. The SWP is uniquely capable of capturing significant quantities of wet-year and wet period supplies, allowing the Metropolitan Water District of Southern California to store these supplies for drought-cycle needs. Were it not for SWP supplies Metropolitan had stored prior to this historic drought cycle, the Southland would be in the throes of a devastating water shortage and severe economic hardship. The ability of the SWP to reliably capture wet-period water is at severe risk due to the existing configuration of the pumping system, regulatory constraints and long-term threats due to climate change and catastrophic natural events such as earthquakes and flooding.

The modified preferred alternative outlined in BDCP/WaterFix represents a significant shift in this nine-year planning process that (Agency name here) must review and consider carefully. BDCP began as an effort that sought to combine water system and ecosystem improvements within a single permitting construct as a habitat conservation plan under Section 10 of the federal Endangered Species Act (ESA) and as a Natural Communities Conservation Plan under the State ESA law. The modified preferred alternative (Alternative 4a) delineates a different approach, with the WaterFix intake/conveyance improvements proceeding as a stand-alone project with ESA permitting acquired similar to the approach under the existing ESA permitting/regulatory construct of the SWP. Approximately 30,000 acres of proposed Delta ecosystem improvements, meanwhile, would proceed on a parallel, but separate program now as California EcoRestore. (Agency name here) understands that the rationale of this modification is to identify an achievable path to permitting given overwhelming scientific uncertainty on how to best manage the Delta in the coming decades. The ability of public water agencies to participate in a historic reinvestment of the SWP will rely on a final plan that meets the state co-equal goals of a reliable water supply and restoration of the Delta.

We remain supportive of the overall proposed configuration of the water supply improvements. New intakes in the northern Delta on the Sacramento River would provide the opportunity to divert high-quality supplies and address reverse-flow conditions in the southern Delta that are a result of the existing diversion system. The proposed twin-tunnel conveyance system would protect this supply long-term from threats such as seismic events and sea level rise. Proposed project modifications, such as the consolidation of intake pumping into a single facility in the southern Delta on SWP property near Clifton Court Forebay, have further reduced the physical footprint in sensitivity to Delta communities and existing land use activities. And we continue to support efforts to improve real-time monitoring and embrace adaptive management as essential ways to refine project operations over time to protect both threatened natural fisheries and water supply reliability.

The following comments are consistent with, and supplement, the long-standing six criteria for a Delta solution as established by the Metropolitan Water District Board of Directors (attached):

- **Water Supply Reliability:** A successful final plan would accomplish several reliability needs: It would re-establish a consistent ability to capture wet-period supplies in a range of year types. It would improve reliability of deliveries in an average year. And it would protect supplies long-term. The draft EIR/EIS provides some information that is useful for analysis. Yet, more and better information would be helpful to compare potential water supply capabilities under various future scenarios since Metropolitan has invested billions of dollars to develop a storage and distribution system designed to capture SWP supplies when they are available and limit demands on the SWP system during dry periods. We refer to this water management strategy as the big gulp, little sip approach.
- **Project Mitigation:** The preferred alternative significantly increases habitat mitigation related to construction compared to the very same project as proposed in the draft EIR/EIS in December 2013. Little rationale is provided for the increased mitigation requirements. While full mitigation for project impacts is always appropriate, placing an excessive burden on mitigation for any project, particularly the size of California WaterFix, is not. A careful review of all the target mitigation acreages is appropriate in order to settle on a final mitigation strategy that is commensurate with impacts. Shifting away from a habitat conservation plan is not a reason to conflate mitigation requirements for the project and unduly impact the final project's cost.
- **Improved Water Quality:** The preferred alternative continues to advance the objective of improving water quality of SWP supplies. High source quality for this imported supply is essential for Southland communities to increase the production of recycled water. In addition, the new modeling and analysis of in-Delta water quality, as a result of proposed water project operations, is helpful

information to assure that the state can meet overall water quality objectives in the estuary.

- **Flexible Pumping Operations in a Dynamic Fishery Environment:** The preferred alternative continues to advance the objective of avoiding conflicts with migrating fish species. It is particularly important to embrace an adaptive management approach to project operations to resolve fall outflow requirements for delta smelt, spring outflow requirements for longfin smelt, and operating constraints for south Delta diversions. Significant improvements in water reliability may be achievable without adversely affecting habitat conditions for important fish species. Management of this system must be as dynamic as the estuary itself.
- **Delta Ecosystem Restoration:** Under the preferred alternative, this responsibility shifts from BDCP to California EcoRestore. This is proposed to be a program separate from California WaterFix. And officially, California EcoRestore is not part of this public comment process. However, this recirculation does provide an opportunity to share input. State agencies need to better clarify their leadership roles in projects identified in California EcoRestore. Whether the state intends to be a lead agency on any given project, for example, remains to be seen. The acreage targets and timetables set forth in California EcoRestore cannot be achieved without lead agencies, expeditious planning and securing the necessary financing. While California EcoRestore is a promising and potential construct for habitat restoration, basic operational details remain unclarified. A more robust program is essential in order to demonstrate that water system investments will be matched with commensurate ecosystem improvements.
- **Seismic and Climate Change Risks:** The modified preferred alternative continues to provide the necessary design and system redundancy to reduce both seismic and climate change risks. Research into seismic risk is continuing. As an example, the potential of levee collapse due to the compaction of peat soils is a new and relatively poorly understood failure mechanism. Previous studies had largely centered on soil liquefaction. The likelihood of levee failure due to a natural disaster appears to be increasing, rather than decreasing, with improved scientific information and understanding. Reducing these risks is paramount to water supply reliability. The conveyance improvements must be sized sufficiently to capture water when it is available. Initial proposals for a larger conveyance system were not pursued due to feedback from wildlife agencies. The final project must be sufficiently sized to adequately address these risks.
- **Governance and Adaptive Management:** As a habitat conservation plan, BDCP had been proposing a detailed governance structure in order to implement various conservation measures. The modified preferred alternative no longer proposes to advance a habitat conservation plan. However, an adaptive management process to guide future water project operations is essential to the long-term success of

California WaterFix. The same holds true for advancing tidal and floodplain habitat restoration projects as mandated in the existing biological opinions for pelagic and anadromous fish species. The need for an effective governance/adaptive management structure in partnership with the public water agencies is as necessary under California WaterFix/California EcoRestore as it was under the previous BDCP construct. Such a structure must be fully detailed and agreed upon before decisions can be made by public water agencies to invest in a final project proposal.

This recirculation process represents the final milestone before advancing to a final EIR/EIS and Record of Decision. This represents our final opportunity to provide formal public comments prior to the final phase of this historic planning effort. We appreciate the exhaustive efforts of both the state and federal administrations to advancing this process so that a final project and proposal can be advanced sometime next year. It is essential to expeditiously resolve outstanding issues in order for the administrations to complete this process within financial and time constraints. Thank you for your efforts and for considering our comments.

**Public Affairs Activities Report
August 20 September 16, 2015**

Member Agency Relations	<p>Tiffany is working with MWD staff, Director Larry McKenney and LA/MWD Director Glen Dake on an upcoming State Water Project trip, September 18-19. She is also working with MWD staff, Director Larry Dick and Western/MWD Director Galleano on a SWP/Ag trip scheduled for October 9-10, Director Linda Ackerman and Fullerton/MWD Director Peter Beard on a SWP trip scheduled for October 23-24, and Director Larry McKenney and San Diego/MWD Director Tu on a CRA/Hoover trip scheduled for November 13-14. Edmonstron Tour, November 20 (McKenney). Bryce is sending out invitations, accepting reservations, and handling guest needs. Tiffany is managing itinerary, MWD, and Director needs for these trips.</p> <p>On August 20, Tiffany participated in Metropolitan's PIO meeting. Information from this meeting was summarized in an update given to Public Affairs Workgroup participants on August 27.</p> <p>On August 20, Tiffany, Bryce and OCWD staff met with Greg Osti from Immersiv Media to finalize items for the OC Water Hero App.</p> <p>On August 20, Heather participated in the Member Agency General Managers meeting.</p> <p>On August 25, Tiffany and Director Linda Ackerman met with MWD staff, Fullerton staff and Fullerton/MWD Director Peter Beard to finalize trip logistics for the shared SWP trip on October 23-24.</p> <p>A Public Affairs Workgroup meeting was held Thursday, August 27, with 16 member-agency representatives attending. The agenda included a presentation by Steve Churm, OC Register, on a new "advertorial" program the newspaper is launching and how the OC water community may benefit. This agenda item was brought forward by Jonathan and Moulton Niguel Water District. The meeting also included updates on the drought (Harvey de la Torre), drought outreach (Michelle Tuchman and Tiffany Baca), Turf Removal Program (Melissa Baum-Haley), School Program (Tiffany Baca) and community events (Marey Gutierrez, Bryce Roberto)</p>
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On September 10, Tiffany and Jonathan participated in

	<p>Metropolitan's PIO meeting.</p> <p>Items for the Dropbox account continue to be submitted by member agency staff. The account was established by the Public Affairs Department as a member-agency hub where all agencies can share outreach materials and other information, including vendors, upcoming events, water supply reports, and items of special interest for water use efficiency staff.</p> <p>Bryce updated a matrix of countywide drought outreach efforts and provided the matrix to MWDOC member agencies via the Public Affairs Workgroup meeting on August 27, and shared Dropbox. Additional information on agency specific watering restrictions was added.</p> <p>The Public Affairs Department provided handouts, hotel/restaurant placards, giveaway items, education materials, program partnering assistance and social media assistance/content to several MWDOC Member Agencies.</p>
Community Relations	<p>Tiffany, Bryce and Marey implemented MWDOC's social media activities through Facebook, Twitter, and Pinterest during this period.</p> <p>Tiffany and Bryce updated several pages on the MWDOC website.</p>
Education	<p>On August 25, Michelle participated in the OC Stormwater Public Education meeting.</p> <p>On September 21, Karl, Jonathan, Michelle and Tiffany participated in two education program workgroups with MWDOC member agency school program participants and Discovery Science Foundation, whose focus was completing the initial post-assembly survey, and Inside the Outdoors and The Ecology Center, who prepared an update/discussion on upcoming events and teacher trainings, program schedules and notifications.</p> <p>On September 14, Tiffany and Jonathan met with Wyland Foundation education program managers. Discussion items included MWDOC 101, conservation programs, outreach, both of the education programs and partnering opportunities.</p>

Media Relations	<p>Justin Pritchard, AP, continues to contact MWDOC for information on water – infrastructure, supply, drinking water quality, per capita consumption – for an article the news service is doing on the state of water nationwide. The last request was received on Aug. 19.</p> <p>Aaron Orlowski, OC Register, submitted a public records request on Aug. 13 pertaining to the turf removal rebate program, from the program's inception, including residential and commercial recipients. The request includes the names of rebate recipients, their addresses, how much rebate money they received, how many square feet of turf they removed, when they applied for the rebate, when the rebate was granted, their water agency and the type of property.</p> <p>KABC-TV called Michelle at 4:50 pm Saturday, Aug. 23, wanting to confirm a water main break in Fullerton. Michelle spoke with the Fullerton Police Department watch commander, Lt. Oliveras, who confirmed that there had been a water main break earlier in the day. Michelle gave Lt. Oliveras the contact information for KABC and called back to the KABC assignment editor to say someone from Fullerton would be contacting her with additional information.</p> <p>Nicole Knight Shine, transportation reporter, Orange County Register, on Aug. 26 emailed requesting an estimate of the amount of rebates MWDOC has issued to cities for replacing turf in public street medians. The Water Use Efficiency staff was consulted and the request was satisfied. The information ran in the Sept. 1 article, Grassy Medians Go by the Wayside.</p> <p>Jody Tillman, OC Register, on Aug. 27 requested information for an article she was writing on statewide conservation numbers for July.</p>
Special Projects	<p>MWDOC's ¼-page ad drought ad, "Cut Outdoor Watering in Half Now!", began running in Saturday's Home/Garden Section of the OC Register on Aug. 15 and will run each Saturday (with the exception of Labor Day Weekend) through September. The ad includes the logos of the 19 member agencies who are participating in the Value of Water Communications program. (The focus of the VOW program shifted this spring to drought messaging with the governor's executive order.)</p>

	<p>Heather organized (in conjunction with ISDOC) and Kelly Hubbard led an Elected Officials Emergency Response Training at the County's Emergency Operations Center. There were approximately 25 attendees at the 2nd training including Director Thomas. Another training is in the works, date still undetermined.</p> <p>Heather attended ISDOC's monthly Executive Committee meeting. Discussions are still underway for the next Quarterly Luncheon speaker for October.</p> <p>Heather participated in the WACO monthly planning meeting. The committee is finalizing the meetings/speakers for the remainder of the year.</p> <p>Marey completed the September cover images for MWDOC's social media pages and website.</p>
<p>Legislative Affairs</p>	<p>Heather participated in Metropolitan's Member Agency Legislative Coordinators conference call on August 20th and the final call before the end of session on September 3rd. Both Federal and State updates were given.</p> <p>Heather and Director McKenney participated in the ACWA Region 10 Pre-Brief in advance of ACWA's State Legislative Committee.</p> <p>Heather attended ACWA's State Legislation Committee in Sacramento. The committee spent significant time reviewing SB 20, Senator Pavley's framework for a public goods charge. This measure is a two-year bill and the author has indicated she has no plans to move this bill this year. In addition, ACWA shared their policy statement on the "misuse of the trailer bill process." This statement is a work-in-progress and will go to ACWA's full Board in November.</p> <p>While in Sacramento, Heather met with Kathy Cole from Metropolitan, Glen Farrell from San Diego County Water Authority, and Senator Nguyen's Chief of Staff.</p> <p>Heather and Joe Berg participated in an ACWA organized webinar which was a wrap-up of a SWRCB Conservation Regulations meeting that was by invitation only. The webinar was to brief the rest of the water community on the details of the call and how to convey to the SWRCB that in the future a more transparent process/meeting would send a better</p>

	<p>message to the community as a whole.</p> <p>Heather spent the last two days of the Legislative Session in Sacramento “shadowing” Metropolitan’s Kathy Cole and the crush of last-minute legislative decisions.</p>
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INFORMATIONAL ITEM

September 15, 2015

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

FROM: Robert Hunter Staff Contact: Jonathan Volzke
General Manager

SUBJECT: **Status Report on Elementary School Program for 2015-16**

STAFF RECOMMENDATION

Staff recommends the Committee receives and files the report.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

To ensure the continued success of the elementary school program, MWDOC staff has been working with:

- Discovery Science Foundation
- Workgroup of Member agencies composed of members from the City of Anaheim, Mesa Water, Moulton Niguel WD, Santa Margarita WD, Laguna Beach CWD, El Toro Water District and the City of Brea

A list of the participating schools sorted by water district is attached to this report.

The program is continuing a long and successful partnership between MWDOC and Discovery Science Foundation. A notable addition this year is an online survey intended for completion after a student participates in the DSF school presentation.

The survey, to be completed with a parent's help, will not only test students' knowledge of the source of water and importance of water as taught in the assemblies, but will survey the family on their individual water use with suggestions on how they can become more water efficient in their homes.

The survey will provide metrics on the success of the school assemblies in educating students and also become a water-use efficient tool.

DSF currently has reservations for 19,206 elementary school students representing 57 schools. This is about a third of the sign-ups at the same time in previous years, but DSF explains that is because they did not launch their rebookings (returning to schools that have hosted the assembly in the past) until the MWDOC contract was signed.

DSF is confident the bookings will rise to previous levels quickly and will meet all contract requirements.

Municipal Water District of Orange County Attendance Report

Wednesday, July 01, 2015 through Thursday, June 30, 2016

Grand Total:	19206	0
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<u>Agency Name</u>	<u>Presentation Date</u>	<u>Event Name</u>	<u>School District</u>	<u>Reserved</u>	<u>Actual</u>
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Anaheim, City of

Anaheim Hills Elementary School

Totals For: Anaheim, City of	5942	0
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5/27/2016	MWDOC - KP -5	Orange Unified School District	91	0
5/27/2016	MWDOC - KP -1	Orange Unified School District	77	0
5/27/2016	MWDOC - KP -3	Orange Unified School District	74	0
5/27/2016	MWDOC - KP -2	Orange Unified School District	71	0
5/27/2016	MWDOC - KP -4	Orange Unified School District	60	0
5/27/2016	MWDOC - KP -6	Orange Unified School District	61	0

Canyon Rim Elementary School

11/17/2015	MWDOC - KP -4	Orange Unified School District	106	0
11/17/2015	MWDOC - KP -5	Orange Unified School District	96	0
11/17/2015	MWDOC - KP -6	Orange Unified School District	104	0
11/18/2015	MWDOC - KP -1	Orange Unified School District	89	0
11/18/2015	MWDOC - KP -2	Orange Unified School District	77	0
11/18/2015	MWDOC - KP -3	Orange Unified School District	93	0

Centralia Elementary School

10/19/2015	MWDOC - KP -6	Centralia Elementary School District	104	0
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Anaheim, City of

Totals For: Anaheim, City of					
		MWDOC - KP -2	Centralia Elementary School District	5942	0
10/19/2015		MWDOC - KP -2	Centralia Elementary School District	79	0
10/20/2015		MWDOC - KP -4	Centralia Elementary School District	92	0
10/20/2015		MWDOC - KP -3	Centralia Elementary School District	93	0
10/21/2015		MWDOC - KP -1	Centralia Elementary School District	73	0
10/21/2015		MWDOC - KP -5	Centralia Elementary School District	75	0

Crescent Elementary School

11/16/2015		MWDOC - KP -3	Orange Unified School District	90	0
11/16/2015		MWDOC - KP -4	Orange Unified School District	100	0
11/16/2015		MWDOC - KP -2	Orange Unified School District	130	0
11/16/2015		MWDOC - KP -5	Orange Unified School District	129	0
11/16/2015		MWDOC - KP -1	Orange Unified School District	60	0
11/16/2015		MWDOC - KP -6	Orange Unified School District	95	0

Danbrook Elementary School

9/1/2015		MWDOC - KP -3	Centralia Elementary School District	93	0
9/1/2015		MWDOC - KP -5	Centralia Elementary School District	71	0
9/1/2015		MWDOC - KP -1	Centralia Elementary School District	76	0
9/2/2015		MWDOC - KP -4	Centralia Elementary School District	94	0
9/2/2015		MWDOC - KP -2	Centralia Elementary School District	92	0

Anaheim, City of

Totals For: Anaheim, City of					
	9/2/2015	MWDOC - KP -6	Centralia Elementary School District	5942	0
Disney (Walt) Elementary School Anaheim				75	0
	9/21/2015	MWDOC - KP -1	Magnolia School District	85	0
	9/21/2015	MWDOC - KP -6	Magnolia School District	95	0
	9/21/2015	MWDOC - KP -2	Magnolia School District	83	0
	9/21/2015	MWDOC - KP -4	Magnolia School District	106	0
	9/21/2015	MWDOC - KP -3	Magnolia School District	78	0
Edison (Thomas) Elementary School Anaheim	9/21/2015	MWDOC - KP -5	Magnolia School District	97	0
	9/11/2015	MWDOC - KP -5	Anaheim City School District	60	0
	9/11/2015	MWDOC - KP -1	Anaheim City School District	60	0
	9/11/2015	MWDOC - KP -6	Anaheim City School District	60	0
	9/11/2015	MWDOC - KP -4	Anaheim City School District	60	0
	9/11/2015	MWDOC - KP -2	Anaheim City School District	60	0
	9/11/2015	MWDOC - KP -3	Anaheim City School District	60	0
	11/6/2015	MWDOC - KP -5	Anaheim City School District	60	0
	11/6/2015	MWDOC - KP -1	Anaheim City School District	60	0
	11/6/2015	MWDOC - KP -6	Anaheim City School District	60	0
	11/6/2015	MWDOC - KP -4	Anaheim City School District	60	0
	11/6/2015	MWDOC - KP -2	Anaheim City School District	60	0
	11/6/2015	MWDOC - KP -3	Anaheim City School District	60	0
	11/6/2015	MWDOC - KP -3	Anaheim City School District	60	0

Anaheim, City of

Marshall (John) Elementary School
Anaheim

Totals For: Anaheim, City of					0
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10/14/2015	MWDOC - KP -1	Anaheim City School District	100	0
10/14/2015	MWDOC - KP -3	Anaheim City School District	100	0
10/14/2015	MWDOC - KP -2	Anaheim City School District	100	0
10/14/2015	MWDOC - KP -5	Anaheim City School District	100	0
10/14/2015	MWDOC - KP -4	Anaheim City School District	100	0
10/14/2015	MWDOC - KP -6	Anaheim City School District	100	0

Reid (Twila) Elementary School

9/29/2015	MWDOC - KP -4	Savanna School District	82	0
9/29/2015	MWDOC - KP -3	Savanna School District	80	0
9/29/2015	MWDOC - KP -2	Savanna School District	76	0
9/29/2015	MWDOC - KP -5	Savanna School District	107	0
9/29/2015	MWDOC - KP -1	Savanna School District	109	0
9/29/2015	MWDOC - KP -6	Savanna School District	81	0

Revere (Paul) Elementary School

9/9/2015	MWDOC - KP -5	Anaheim City School District	65	0
9/9/2015	MWDOC - KP -5	Anaheim City School District	65	0

Ross (Betsy) Elementary School
Anaheim

9/17/2015	MWDOC - KP -2	Anaheim City School District	61	0
9/17/2015	MWDOC - KP -2	Anaheim City School District	62	0
9/21/2015	MWDOC - KP -4	Anaheim City School District	62	0

Anaheim, City of

Totals For: Anaheim, City of					
9/21/2015	MWDOC - KP -1	Anaheim City School District	64	0	0
9/21/2015	MWDOC - KP -4	Anaheim City School District	62	0	0
9/21/2015	MWDOC - KP -3	Anaheim City School District	76	0	0
9/21/2015	MWDOC - KP -6	Anaheim City School District	86	0	0
9/22/2015	MWDOC - KP -5	Anaheim City School District	87	0	0
9/22/2015	MWDOC - KP -1	Anaheim City School District	64	0	0
9/22/2015	MWDOC - KP -5	Anaheim City School District	58	0	0
9/22/2015	MWDOC - KP -3	Anaheim City School District	53	0	0
9/22/2015	MWDOC - KP -6	Anaheim City School District	58	0	0

Brea, City of

Saint Angela Merici Elementary School

Totals For: Brea, City of			149	0
9/24/2015	MWDOC - KP -3	Private	32	0
9/24/2015	MWDOC - KP -4	Private	29	0
9/24/2015	MWDOC - KP -5	Private	32	0
9/24/2015	MWDOC - KP -1	Private	27	0
9/24/2015	MWDOC - KP -2	Private	29	0

<u>Agency Name</u>	<u>Presentation Date</u>	<u>Event Name</u>	<u>School District</u>	<u>Reserved</u>	<u>Actual</u>
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Buena Park, City of		Totals For: Buena Park, City of		75	0
Emery (Charles G) Elementary School Buena Park	10/13/2015	MWDOC - KP -1	Buena Park School District	75	0

El Toro Water District

Del Cerro Elementary School

Totals For: El Toro Water District			499	0
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10/26/2015	MWDOC - KP -3	Saddleback Valley Unified School District	80	0
10/26/2015	MWDOC - KP -4	Saddleback Valley Unified School District	74	0
10/26/2015	MWDOC - KP -2	Saddleback Valley Unified School District	47	0
10/26/2015	MWDOC - KP -5	Saddleback Valley Unified School District	65	0
10/26/2015	MWDOC - KP -1	Saddleback Valley Unified School District	53	0
10/26/2015	MWDOC - KP -6	Saddleback Valley Unified School District	85	0

Grace Christian School Lake Forest

9/25/2015	MWDOC - KP -2	Private	35	0
9/25/2015	MWDOC - KP -1	Private	35	0
9/25/2015	MWDOC - KP -4	Private	25	0

Fountain Valley, City of

Totals For: Fountain Valley, City of					0
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Gisler (Robert) Elementary School

10/29/2015	MWDOC - KP -4	Fountain Valley School District	80	0
10/29/2015	MWDOC - KP -5	Fountain Valley School District	90	0

Northcutt (Mamie L) Elementary School

10/21/2015	MWDOC - KP -3	Garden Grove Unified School District	85	0
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Plavan (Urbain H) Elementary School

10/16/2015	MWDOC - KP -2	Fountain Valley School District	72	0
10/16/2015	MWDOC - KP -4	Fountain Valley School District	91	0
10/16/2015	MWDOC - KP -1	Fountain Valley School District	95	0
10/16/2015	MWDOC - KP -3	Fountain Valley School District	87	0
10/16/2015	MWDOC - KP -5	Fountain Valley School District	85	0

Fullerton, City of		Totals For: Fullerton, City of		102	0
Acacia Elementary School	9/3/2015	MWDOC - KP -4	Fullerton School District	102	0

Garden Grove, City of

Cook (A.J.) Elementary School

Totals For: Garden Grove, City of			861	0
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12/14/2015	MWDOC - KP -6	Garden Grove Unified School District	70	0
12/14/2015	MWDOC - KP -4	Garden Grove Unified School District	57	0
12/14/2015	MWDOC - KP -5	Garden Grove Unified School District	45	0
12/15/2015	MWDOC - KP -3	Garden Grove Unified School District	40	0
12/15/2015	MWDOC - KP -1	Garden Grove Unified School District	47	0
12/15/2015	MWDOC - KP -2	Garden Grove Unified School District	50	0

Meairs (Iva) Elementary School

10/30/2015	MWDOC - KP -1	Westminster School District	120	0
10/30/2015	MWDOC - KP -3	Westminster School District	102	0
10/30/2015	MWDOC - KP -4	Westminster School District	110	0
10/30/2015	MWDOC - KP -2	Westminster School District	114	0
10/30/2015	MWDOC - KP -5	Westminster School District	106	0

Golden State Water Company

Lee Elementary School Los Alamitos

Totals For: Golden State Water Company			690	0
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1/25/2016	MWDOC - KP -3	Los Alamitos Unified School District	150	0
1/25/2016	MWDOC - KP -5	Los Alamitos Unified School District	150	0
1/25/2016	MWDOC - KP -1	Los Alamitos Unified School District	75	0
Morse Elementary School				
9/24/2015	MWDOC - KP -4	Placentia-Yorba Linda Unified School District	63	0
9/24/2015	MWDOC - KP -5	Placentia-Yorba Linda Unified School District	69	0
9/24/2015	MWDOC - KP -1	Placentia-Yorba Linda Unified School District	58	0
9/24/2015	MWDOC - KP -3	Placentia-Yorba Linda Unified School District	64	0
9/24/2015	MWDOC - KP -2	Placentia-Yorba Linda Unified School District	61	0

Huntington Beach, City of

Hawes (Ralph E) Elementary School

Totals For: Huntington Beach, City of			1374	0
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3/14/2016	MWDOC - KP -3	Huntington Beach City Elementary School District	112	0
3/14/2016	MWDOC - KP -1	Huntington Beach City Elementary School District	105	0
3/14/2016	MWDOC - KP -4	Huntington Beach City Elementary School District	127	0
3/14/2016	MWDOC - KP -2	Huntington Beach City Elementary School District	120	0
3/14/2016	MWDOC - KP -5	Huntington Beach City Elementary School District	120	0

Lake View Elementary School
Huntington Beach

1/14/2016	MWDOC - KP -2	Ocean View School District	45	0
1/14/2016	MWDOC - KP -3	Ocean View School District	45	0
1/14/2016	MWDOC - KP -4	Ocean View School District	40	0
1/14/2016	MWDOC - KP -5	Ocean View School District	40	0

Oka (Isojiro) Elementary School

10/7/2015	MWDOC - KP -3	Fountain Valley School District	58	0
10/7/2015	MWDOC - KP -4	Fountain Valley School District	99	0
10/7/2015	MWDOC - KP -2	Fountain Valley School District	83	0
10/7/2015	MWDOC - KP -1	Fountain Valley School District	65	0

Huntington Beach, City of

Totals For: Huntington Beach, City of					
	10/7/2015	MWDOC - KP -5	Fountain Valley School District	1374	0
Sun View Elementary School					
	10/6/2015	MWDOC - KP -5	Ocean View School District	36	0
	10/6/2015	MWDOC - KP -2	Ocean View School District	54	0
	10/6/2015	MWDOC - KP -1	Ocean View School District	60	0
	10/6/2015	MWDOC - KP -3	Ocean View School District	42	0
	10/6/2015	MWDOC - KP -4	Ocean View School District	45	0

La Habra, City of

El Portal Elementary School

Totals For: La Habra, City of			786	0
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1/21/2016	MWDOC - KP -4	Lowell Joint School District	65	0
1/21/2016	MWDOC - KP -3	Lowell Joint School District	66	0
1/21/2016	MWDOC - KP -1	Lowell Joint School District	75	0
1/21/2016	MWDOC - KP -2	Lowell Joint School District	64	0
1/21/2016	MWDOC - KP -5	Lowell Joint School District	64	0

Ladera Palma Elementary School

12/2/2015	MWDOC - KP -1	La Habra City School District	73	0
12/2/2015	MWDOC - KP -1	La Habra City School District	73	0
12/2/2015	MWDOC - KP -2	La Habra City School District	73	0
12/2/2015	MWDOC - KP -2	La Habra City School District	73	0

Walnut Elementary School La Habra

11/13/2015	MWDOC - KP -5	La Habra City School District	80	0
11/13/2015	MWDOC - KP -5	La Habra City School District	80	0

Mesa Water District	Totals For: Mesa Water District				
				254	0
	Killybrooke Elementary School				
		10/12/2015	MWDOC - KP -5	Newport-Mesa Unified School District	60
	Pomona Elementary School				0
		12/4/2015	MWDOC - KP -5	Newport-Mesa Unified School District	87
	Victoria Elementary School Costa Mesa				0
		10/7/2015	MWDOC - KP -5	Newport-Mesa Unified School District	42
	Wilson Elementary School Costa Mesa				0
		10/16/2015	MWDOC - KP -5	Newport-Mesa Unified School District	65
					0

Moulton Niguel Water District

Totals For: Moulton Niguel Water District			290	0
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Bergeson (Marian) Elementary School

2/5/2016	MWDOC - KP -2	Capistrano Unified School District	90	0
2/5/2016	MWDOC - KP -5	Capistrano Unified School District	90	0

Linda Vista Elementary School Mission Viejo

10/19/2015	MWDOC - KP -5	Saddleback Valley Unified School District	55	0
10/19/2015	MWDOC - KP -2	Saddleback Valley Unified School District	55	0

Orange, City of

Linda Vista Elementary School
Orange

Taft Elementary School Orange

Totals For: Orange, City of			489	0
9/15/2015	MWDOC - KP -5	Orange Unified School District	70	0
6/3/2016	MWDOC - KP -4	Orange Unified School District	75	0
6/3/2016	MWDOC - KP -1	Orange Unified School District	80	0
6/3/2016	MWDOC - KP -2	Orange Unified School District	54	0
6/3/2016	MWDOC - KP -5	Orange Unified School District	68	0
6/3/2016	MWDOC - KP -3	Orange Unified School District	80	0
6/3/2016	MWDOC - KP -6	Orange Unified School District	62	0

San Clemente, City of

Las Palmas Elementary School

Totals For: San Clemente, City of			156	0
1/13/2016	MWDOC - KP -1	Capistrano Unified School District	78	0
1/13/2016	MWDOC - KP -1	Capistrano Unified School District	78	0

San Juan Capistrano, City of

Kinoshita Elementary School

Totals For: San Juan Capistrano, City of			503	0
11/12/2015	MWDOC - KP -3	Capistrano Unified School District	110	0
11/12/2015	MWDOC - KP -5	Capistrano Unified School District	122	0
11/12/2015	MWDOC - KP -1	Capistrano Unified School District	102	0
11/13/2015	MWDOC - KP -4	Capistrano Unified School District	86	0
11/13/2015	MWDOC - KP -2	Capistrano Unified School District	83	0

Santa Ana, City of

Davis (Wallace R) Elementary
School Santa Ana

Totals For: Santa Ana, City of			2641	0
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10/26/2015	MWDOC - KP -5	Santa Ana Unified School District	80	0
10/26/2015	MWDOC - KP -4	Santa Ana Unified School District	65	0
10/26/2015	MWDOC - KP -1	Santa Ana Unified School District	60	0
10/26/2015	MWDOC - KP -3	Santa Ana Unified School District	58	0
10/26/2015	MWDOC - KP -2	Santa Ana Unified School District	61	0
10/27/2015	MWDOC - KP -5	Santa Ana Unified School District	51	0
10/27/2015	MWDOC - KP -4	Santa Ana Unified School District	60	0
10/27/2015	MWDOC - KP -1	Santa Ana Unified School District	57	0
10/27/2015	MWDOC - KP -3	Santa Ana Unified School District	80	0
10/27/2015	MWDOC - KP -2	Santa Ana Unified School District	56	0
10/23/2015	MWDOC - KP -3	Santa Ana Unified School District	110	0
10/23/2015	MWDOC - KP -4	Santa Ana Unified School District	110	0
10/23/2015	MWDOC - KP -5	Santa Ana Unified School District	110	0
10/27/2015	MWDOC - KP -2	Santa Ana Unified School District	110	0
10/27/2015	MWDOC - KP -1	Santa Ana Unified School District	110	0

Garfield Elementary School
Santa Ana

Santa Ana, City of

Lowell Elementary School Santa Ana

Monte Vista Elementary School Santa Ana

Sepulveda (Jose) Elementary School

Walker Elementary School

Totals For: Santa Ana, City of					0
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10/15/2015	MWDOC - KP -5	Santa Ana Unified School District	65	0
10/15/2015	MWDOC - KP -5	Santa Ana Unified School District	65	0
11/13/2015	MWDOC - KP -2	Santa Ana Unified School District	110	0
11/13/2015	MWDOC - KP -4	Santa Ana Unified School District	110	0
11/13/2015	MWDOC - KP -1	Santa Ana Unified School District	110	0
11/13/2015	MWDOC - KP -5	Santa Ana Unified School District	110	0
11/13/2015	MWDOC - KP -3	Santa Ana Unified School District	110	0
10/20/2015	MWDOC - KP -3	Santa Ana Unified School District	84	0
10/20/2015	MWDOC - KP -2	Santa Ana Unified School District	64	0
10/20/2015	MWDOC - KP -1	Santa Ana Unified School District	84	0
10/20/2015	MWDOC - KP -5	Santa Ana Unified School District	58	0
10/20/2015	MWDOC - KP -4	Santa Ana Unified School District	64	0
10/2/2015	MWDOC - KP -2	Santa Ana Unified School District	76	0
10/2/2015	MWDOC - KP -4	Santa Ana Unified School District	93	0

Santa Ana, City of	Totals For: Santa Ana, City of				
	10/2/2015	MWDOC - KP -5	Santa Ana Unified School District	2641	0
	10/2/2015	MWDOC - KP -1	Santa Ana Unified School District	85	0
	10/2/2015	MWDOC - KP -3	Santa Ana Unified School District	89	0
				86	0

<u>Agency Name</u>	<u>Presentation Date</u>	<u>Event Name</u>	<u>School District</u>	<u>Reserved</u>	<u>Actual</u>
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Santa Margarita Water District

Ladera Ranch Elementary School

Totals For: Santa Margarita Water District	1234	0
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1/29/2016	MWDOC - KP -1	Capistrano Unified School District	112	0
1/29/2016	MWDOC - KP -3	Capistrano Unified School District	152	0
1/29/2016	MWDOC - KP -5	Capistrano Unified School District	109	0
3/4/2016	MWDOC - KP -2	Capistrano Unified School District	75	0
3/4/2016	MWDOC - KP -4	Capistrano Unified School District	69	0
3/4/2016	MWDOC - KP -2	Capistrano Unified School District	74	0
3/4/2016	MWDOC - KP -4	Capistrano Unified School District	69	0

Reilly (Philip J) Elementary School

3/25/2016	MWDOC - KP -4	Capistrano Unified School District	61	0
3/25/2016	MWDOC - KP -2	Capistrano Unified School District	65	0
3/25/2016	MWDOC - KP -3	Capistrano Unified School District	86	0
3/25/2016	MWDOC - KP -1	Capistrano Unified School District	89	0
3/25/2016	MWDOC - KP -5	Capistrano Unified School District	104	0

Tijeras Creek Elementary School

3/3/2016	MWDOC - KP -1	Capistrano Unified School District	31	0
3/3/2016	MWDOC - KP -2	Capistrano Unified School District	88	0
3/3/2016	MWDOC - KP -3	Capistrano Unified School District	50	0

South Coast Water District

Dana (R H) Elementary School

Totals For: South Coast Water District			271	0
1/11/2016	MWDOC - KP -4	Capistrano Unified School District	67	0
1/11/2016	MWDOC - KP -1	Capistrano Unified School District	45	0
1/11/2016	MWDOC - KP -3	Capistrano Unified School District	33	0
1/11/2016	MWDOC - KP -5	Capistrano Unified School District	62	0
1/11/2016	MWDOC - KP -2	Capistrano Unified School District	64	0

Tustin, City of

Guin Foss Elementary School

Totals For: Tustin, City of			532	0
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12/2/2015	MWDOC - KP -1	Tustin Unified School District	95	0
12/2/2015	MWDOC - KP -3	Tustin Unified School District	74	0
12/2/2015	MWDOC - KP -2	Tustin Unified School District	60	0
12/2/2015	MWDOC - KP -4	Tustin Unified School District	60	0
12/2/2015	MWDOC - KP -5	Tustin Unified School District	63	0
Saint Cecilia Elementary School Tustin				
3/22/2016	MWDOC - KP -3	Private	30	0
3/22/2016	MWDOC - KP -1	Private	30	0
3/22/2016	MWDOC - KP -6	Private	30	0
3/22/2016	MWDOC - KP -2	Private	30	0
3/22/2016	MWDOC - KP -4	Private	30	0
3/22/2016	MWDOC - KP -5	Private	30	0

Westminster, City of

Anthony (Susan B) Elementary School Westminster

Totals For: Westminster, City of			1586	0
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11/20/2015	MWDOC - KP -1	Garden Grove Unified School District	61	0
11/20/2015	MWDOC - KP -4	Garden Grove Unified School District	60	0
11/20/2015	MWDOC - KP -3	Garden Grove Unified School District	90	0
11/20/2015	MWDOC - KP -6	Garden Grove Unified School District	68	0
11/20/2015	MWDOC - KP -2	Garden Grove Unified School District	56	0
11/20/2015	MWDOC - KP -5	Garden Grove Unified School District	70	0

DeMille (Cecil B) Elementary School

11/20/2015	MWDOC - KP -5	Westminster School District	58	0
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Hayden (Dr. Jessie) Elementary School

11/3/2015	MWDOC - KP -5	Westminster School District	130	0
11/3/2015	MWDOC - KP -4	Westminster School District	130	0
11/3/2015	MWDOC - KP -1	Westminster School District	135	0
11/4/2015	MWDOC - KP -2	Westminster School District	135	0
11/4/2015	MWDOC - KP -3	Westminster School District	125	0

Star View Elementary School

10/16/2015	MWDOC - KP -3	Ocean View School District	71	0
10/16/2015	MWDOC - KP -4	Ocean View School District	99	0

Westminster, City of	Totals For: Westminster, City of				
	10/16/2015	MWDOC - KP -1	Ocean View School District	89	0
	10/16/2015	MWDOC - KP -2	Ocean View School District	113	0
	10/16/2015	MWDOC - KP -5	Ocean View School District	96	0

<u>Agency Name</u>	<u>Presentation Date</u>	<u>Event Name</u>	<u>School District</u>	<u>Reserved</u>	<u>Actual</u>
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Yorba Linda Water District

Bryant Ranch Elementary School

Totals For: Yorba Linda Water District	87	0
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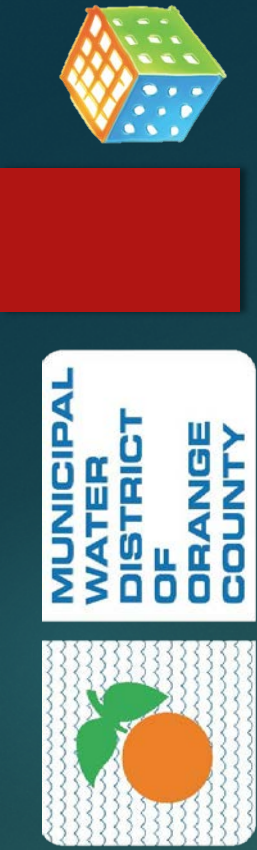
3/16/2016

MWDOC - KP -3

Placentia-Yorba Linda
Unified School District

87

0



MWDOC WATER SURVEY DRAFT

2015

Welcome to the Water Use Survey!

This is a great place to learn about...

- ▶ how much water you really use
- ▶ water-saving tips
- ▶ rebate programs to help you save money and water

Tell Us About Yourself

▶ 1. Did you take part in your school's water education program?

▶ Yes

▶ No

Tell Us About Yourself

MWDOC / Discovery Cube
Water Survey Draft 2015

▶ 2. What grade are you in? (choose one)

▶ 1

▶ 2

▶ 3

▶ 4

▶ 5

▶ 6

▶ Other / I don't know

Tell Us About Yourself

▶ 3. Do you have a parent or guardian with you?

▶ Yes

▶ If so, please ask them to help you

▶ No

Tell Us About Yourself

▶ 4. How many people live in your home?
(choose one)

▶ 1-2

▶ 3-4

▶ 5-6

▶ 7-8

▶ More than 8

Tell Us What You Know

- ▶ 5. Where do you think your drinking water comes from? (check all that apply)
 - ▶ Underground
 - ▶ Ocean
 - ▶ Rivers
 - ▶ Lakes
 - ▶ Mountains
 - ▶ I don't know

Tell Us What You Know – Usage

- ▶ 6. Please answer the following questions to find out how much water you use: (*all data 1-20 choices – no manual input*)
 - ▶ 6a. How many showers do you take every day?
 - ▶ Static choice answer / I don't know
 - ▶ NEXT PAGE:
 - ▶ 6b. *Insert info about “average” shower use (data will be given regardless of answer)*

Tell Us What You Know – Usage

- ▶ 6c. About how many minutes is each shower?
- ▶ Static choice answer / I don't know
- ▶ NEXT PAGE:
- ▶ 6d. *Insert info about “average” shower time*

Tell Us What You Know – Usage

- ▶ 6e. How many baths do you take every day?
- ▶ Static choice answer / I don't know
- ▶ NEXT PAGE:
- ▶ 6f. *Insert info about “average” baths taken per week*

Tell Us What You Know – Usage

- ▶ 6g. About how many times do you flush the toilet every day?
- ▶ Static choice answer / I don't know
- ▶ NEXT PAGE:
- ▶ 6h. *Insert info about “average” number of flushes per day*

Tell Us What You Know – Usage

- ▶ 6i. If you have a dishwasher, how many times do you use it per week?
- ▶ Static choice answer / I don't know
- ▶ NEXT PAGE:
- ▶ 6j. *Insert info about “average” number of dishwasher loads done per week*

Tell Us What You Know – Usage

MWDOC / Discovery Cube
Water Survey Draft 2015

- ▶ 6k. How many loads of laundry do you do per week?
- ▶ Static choice answer / I don't know
- ▶ NEXT PAGE:
- ▶ 6l. *Insert info about “average” weekly laundry use*

Tell Us What You Know - Outdoor

MWDOC / Discovery Cube
Water Survey Draft 2015

▶ 7. Do you have a patio, balcony, or driveway?

▶ Yes

▶ No (*skips to to 8*)

Tell Us What You Know - Outdoor

MWDOC / Discovery Cube
Water Survey Draft 2015

- ▶ 7a. What do you have: (check all that apply)
 - ▶ Patio
 - ▶ Balcony
 - ▶ Driveway

Tell Us What You Know - Outdoor

▶ 7b. How do you clean your patio, balcony, or driveway?

▶ Broom

▶ Hose

▶ I don't know

Tell Us What You Know - Outdoor

- ▶ 7c. Does your family wash their car at home?
 - ▶ Yes
 - ▶ What do they use?
 - ▶ Bucket
 - ▶ Hose
 - ▶ w/ a shut-off nozzle
 - ▶ w/out a nozzle
 - ▶ I don't know
 - ▶ No
 - ▶ I don't know

Tell Us What You Know - Outdoor

MWDOC / Discovery Cube
Water Survey Draft 2015

▲ 8. Do you have a yard?

▲ Yes

▲ No (*skips to 9*)

Tell Us What You Know - Outdoor

MWDOC / Discovery Cube
Water Survey Draft 2015

- ▶ 8a. What kind of yard do you have?
- ▶ Front yard
- ▶ Back yard
- ▶ Both

Tell Us What You Know - Outdoor

- ▶ 8b. What kind of plants do you have in your yard? (check all that apply)
 - ▶ Grass
 - ▶ Flowers
 - ▶ Other plants
 - ▶ Artificial turf
 - ▶ I don't know

Tell Us What You Know - Outdoor

- ▶ 8c. Do you have a pool?
 - ▶ Yes
 - ▶ Is it covered when not being used?
 - ▶ No

Tell Us What You Know - Outdoor

MWDOC / Discovery Cube
Water Survey Draft 2015

- ▶ 9. Who waters the yard where you live?
- ▶ Our family
- ▶ Gardener
- ▶ HOA
- ▶ Landlord
- ▶ I don't know

Tell Us What You Know - Overall

MWDOC / Discovery Cube
Water Survey Draft 2015

- ▶ 10. Who reviews or pays the water bill?
 - ▶ Our family
 - ▶ HOA
 - ▶ Landlord
 - ▶ I don't know

Tell Us What You Know - Overall

▶ 11. Do you think you use more water: (check one)

▶ Indoor

▶ Outdoors

▶ I don't know

Conclusion / Landing Page

- ▶ 12. Which agency services your home?
- ▶ List of logos (*need official logos*)
 - ▶ Thank you for completing click to continue and be entered to win iPad
 - ▶ Click continues to agency specific page which highlights (rebates, water kit, etc.)
- ▶ Survey may continue on agency landing page if agency would like
 - ▶ *Need agency page URLs*



INFORMATIONAL ITEM

September 15, 2015

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

FROM: Robert Hunter Staff Contact: Karl Seckel/Jonathan Volzke
General Manager

SUBJECT: Status Report on High School Program for 2015-16

STAFF RECOMMENDATION

Staff recommends the Committee receives and files the report.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

To get the NEW High School Program kicked off for 2015, MWDOC staff has been working with:

- Inside the Outdoors (OC Department of Education)
- The Ecology Center
- Workgroup of Member agencies composed of members from the City of Anaheim, Mesa Water, Moulton Niguel WD, Santa Margarita WD, Laguna Beach CWD, El Toro Water District and the City of Brea

A number of planning and organizational meetings have been held so far, ITO and TEC have worked hard to get up and operating, 20 sponsorship commitments have been received from the Member Agencies and work is well underway to roll out the program for this fiscal year. Attached is a status report with a number of attachments. Staff will be available to respond to any questions from the Directors.

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core __	Choice ✓
Action item amount: \$0		Line item: 63-7040	
Fiscal Impact (explain if unbudgeted):			

MWDOC High School Program 2015-16
Status Report - August 28, 2015
Inside the Outdoors/The Ecology Center (ITO/TEC)

The following is a status report prepared based upon the completion of three meetings with ITO and TEC staff working in conjunction with MWDOC staff and including input from a School Program Workgroup composed of members from the City of Anaheim, Mesa Water, Moulton Niguel WD, Santa Margarita WD, Laguna Beach CWD, El Toro Water District and the City of Brea. ITO and TEC are working hard to get ready for the 2015-16 School Year which is now upon us.

Program Branding

TEC has undertaken the branding associated with the program for combined marketing with their own efforts (including the digital outreach program), those of ITO and in combination with MWDOC and the participating member agencies. TEC is basing the branding on:

- Imagery is important
- The call must have urgency and engage the students to be empowered to develop solutions
- Must be solutions oriented
- An innovative, teen-powered, water education experience
- Initial messages were tested with a Leadership Youth Group on how best to engage today's students and to determine what social media they are using. It was learned that the main social media utilized are Vine, Instagram & Twitter.

The concept developed is "The Water Effect", which communicates a number of thoughts, actions and images. See attached pieces.

Launching

The launch of the brand and the initial elements will start with:

1. First Teacher Training Event by ITO/TEC – a number of Teacher Training events will be held throughout the year; the initial one was held on August 26 at TEC. The purpose of the Teacher Training Events is to provide information and tools teachers can use with their students and to begin making connections at the various schools for later reconnection through the school events with ITO or via the digital program. The training program will be held at various venues around the County.
2. Hurley Pro World Surf League at Trestles – Will be held September 9-20; TEC will be there in force with a call for water conservation, a PSA featuring Rob Machado and water branding via "The Water Effect". One of the site features will be "signs in the sands" featuring tips on water conservation. The efforts at the Hurley Pro are aimed much broader than OC, but are part of the overall branding effort.

3. ITO has initiated Communications with the sponsoring agencies and schools. MWDOC worked with our agencies to develop a database of contacts for each of our member agencies relative to the School Program. The purpose of the database is for use by ITO to keep our agencies up to date with information on the programs at the 20 High Schools being sponsored for this coming year. ITO is responsible for connecting the OC Department of Education with the water sponsor, the School Administration and the School Superintendents and using all methods of communication open to the department of education. ITO will also work directly with our agencies in communicating directly with the schools being sponsored. In this manner, communications will be targeted from all directions to ensure full participation by the schools.
4. Following are the advertisements issued by ITO in flyers sent out via the OCDE:

The Water Effect

Inside the Outdoors is partnering with The Ecology Center to bring “The Water Effect” to High Schools throughout Orange County. The goal of this project is to empower, engage, and educate students, teachers, and the community on water issues, awareness, and conservation to create behavior change. This program is sponsored by the Municipal Water District of Orange County and funded by local Orange County water agencies.

There are many ways to get involved with this program - you can join one or all of them!

Teacher Training

Learn how to inspire engaging dialogue around water awareness and the drought in your classroom. Join us for complimentary food, hands-on demos, and high school standards-based water curriculum developed by The Ecology Center and Inside the Outdoors.

Student Call-to-Action Workshop

High School Students throughout Orange County will be invited to attend a kick-off event where youth will be inspired as they interact with Inside the Outdoors and The Ecology Center staff, community organizing and public awareness campaign experts, and other youth from Orange County. Students will learn how to start an environmental club at their school and engage their classmates and community in behavior-changing water conservation campaigns. The event will be held at the 110 acre site owned in Silverado Canyon by ITO.

- WHEN: Saturday, October 10, 2015, noon to 3:00 pm
- WHERE: Inside the Outdoors - Rancho Soñado, 8755 Santiago Canyon Rd., Silverado, CA 92676

High School Student Action Program

Inside the Outdoors will work with selected high schools to develop a water conservation project and present a campus wide fair/expo to educate student s about current water issues. The goal is to sustain long-term water awareness, water conservation practices and behavior changes at your school and in your community.

- Students will design and Implement a call to action public awareness water conservation campaign designed to engage their classmates

- Inside the Outdoors will educate and mentor students on local water issues
- Inside the Outdoors, and the students, will work together to design a campus wide water fair/expo that will include Interactive water education exhibits and gather water conservation pledges from their peers

Most schools for this project will be determined by the local water districts.

The Water Effect Digital Platform

Coming soon! The Water Effect website and its associated social media channels will serve as a platform to disperse shareable, real time water conservation solutions.

The platform will feature:

- Solutions-based water conservation education
 - Downloadable resources for club, classroom, and community activation
 - Creative user-generated content
 - Monthly challenges and campaigns
 - Monthly challenges and campaigns
5. Digital Launch via Splash Page in September - TEC is continuing to work with its digital developer and the Leadership Youth Group to develop the Digital Platform in a manner to interest and engage the students and teachers. The Digital effort will kick off with a Splash Page Launch prior to the Hurley Pro, it will be activated at the Hurley Pro, and it will be followed up with an October/November full launch of the website aimed at both students and teachers. It will be accompanied by a Social Media campaign that will include a PSA by Rob Machado.
 6. ITO will be targeting school EXPO events in the October to May timeframe for each of the twenty sponsored high schools for this year. ITO has already begun initial contacts with each of the Sponsored Schools to determine the best entry method:
 - A School Club
 - A School Science Class
 - A School Community Event

A major part of the focus is to teach the students and then structure peer-to-peer exchanges of information regarding water and water issues. No matter what the starting point, each school will participate at an eventual Water Expo Event that will involve the entire student body and will revolve around water and water issues. ITO will have up to six interactive educational exhibits at each Water Expo.

7. Other issues discussed included:
 - Opportunities for media coverage should involve the water agencies as well as ITO and TEC. For typical outreach, we will use the theme of “brought to you by the family of OC water agencies”. MWDOC to conduct a refresh on the logo. TEC agreed to share their press-kits. OCDE has a Communications Department that can help with media outreach. It was

discussed that stories with photos would be very useful for Newsletters that go out from the various schools or School Districts.

- TEC and ITO agreed to share graphics, templates and printing as outreach to the schools begins. Each water agency will provide their own graphics and informational and outreach items to be shared with the Schools and Students. TEC and ITO have some incentive items, but they are looking for financial support and opportunities to provide other incentive items for the students. The thought being that incentive driven opportunities will increase participation. The graphics and products from the SAVE OUR WATER infographic (currently used by Anaheim) will be provided to ITO; MWDOC also agreed to open up its DROPBOX of information from our various agencies to that ITO and TEC could utilize. Posters and artwork from the agencies can also be shared to be used with the outreach to the Schools; agencies can also print their own materials and provide to ITO for outreach to the Schools. Stephanie will coordinate.
- The Digital Program (and some of the school events) will lead up to World Water Day- March 22, 2016. World Water Day is marked on 22 March every year. It's a day to celebrate water. It's a day to make a difference for the members of the global population who suffer from water related issues. It's a day to prepare for how we manage water in the future. In 1993, the United Nations General Assembly designated 22 March as the first World Water Day. 22 years later, World Water Day is celebrated around the world shining the spotlight on a different issue every year. In 2015 the theme was "Water and Sustainable Development" – the theme for 2016 has not yet been selected.
- MWDOC and the participating agencies emphasized the need for Schedules of events and Notifications that can be sent to both MWDOC and the sponsoring agencies. A Master Calendar of events to be provided by ITO or a Google calendar by TEC. Children's Water Festival date needs verification with OCWD.
- Both ITO and TEC content is aligned with mainstream education requirements. The Workgroup expressed the desire to see the actual curriculum being used. It was noted that this will be forwarded to the Workgroup for review and input. It was noted that program content will generally be driven by the following:
 - Water Foot printing
 - Agency Messaging
 - Conservation
 - Watersheds
 - Water Sources
 - Two questions were posed:
 - Asked for additional category- water supply/water development
 - How much does each agency want to be involved?
- Monthly, Quarterly and Annual Reports – ITO shared a standard type of monthly and quarterly report they would typically use. The monthly report basically consists of numbers

whereas the quarterly reports include photos, stories, benchmarks etc. It was discussed that the annual reporting will have to include metrics on the amount of learning going on under the program; pre & post testing, audits, pledges and use of the digital platform. It was noted that it would also be good to schedule presentations by the students to each of the sponsoring agencies governing Board or Council regarding the project they completed during the school year.

- The next meeting of the Workgroup will be scheduled for the 3rd week in September, after the Hurley Pro.

Attached are the following materials.

1. The Water Effect – School Outline
2. ITO Website Page on The Water Effect
3. The Water Effect Sponsors
4. Flyer for Student Kick-off on October 10
5. The Water Effect – Press kit logos



Inside the Outdoors – High School Program – 2015/2016

The Water Effect



Campus Call to Action

Goal: Educate students at the school on local water issues to sustain long-term water awareness, water conservation practices and behavior changes.

I. First Student School Visit

- A. Pre-assessment
- B. Introduction to The Water Effect and the agencies involved (local water agency, Inside the Outdoors, The Ecology Center)
- C. How/Why to connect with the online platform
 - 1. Visit website
 - 2. Pledge
 - 3. Share
- D. Expectations for the school year
 - 1. Education
 - 2. Engagement
 - 3. Outreach
 - 4. Online/social media
 - 5. Behavior change
- E. Why Water? (hands-on activities to engage knowledge and discussions)
 - 1. Local watershed
 - 2. Local water sources
 - a. Local and import
 - b. Supply and demand
 - 3. Water footprint
 - 4. Water efficiencies
- F. Local Water Issues – Brainstorm session
 - 1. How do you use your water?
 - a. Indirect and Direct uses
 - 2. At your school
 - 3. At home
 - 4. In your community
 - 5. Why is water such a “hot topic”
 - a. What is the message from your local water agency
 - b. Why is the relevant?
 - 6. Campus Expo focus
- G. Why conservation?
- H. Why educate locally?
- I. Introduce School Water Audit
 - 1. Complete Audit by next session
- J. How can you help?
 - 1. Research for next session topics for solutions/behavior change

2. What is the communities “hot topic”
3. How can we promote to other students

II. Second Student School Visit

- A. Review School Water Audit
 1. Where are the biggest campus issues?
 2. Any areas that are positive?
 3. Solutions
 4. How to best present data to school?
- B. Discuss how can you help (homework assignment from first visit)
 1. What issues can be addressed at your school?
 2. What issues can be addressed in your community?
 3. How can this be promoted to the school/community?
 4. What issues would you like as part of the Expo?
- C. Brainstorm Expo Station Ideas
 1. Scheduling
 2. Roles/responsibilities
 3. Promotion
 4. Set-up
 5. Conservation pledges
- D. Design a campaign for change on the school campus (hands-on work session)
 1. Social Media, share with online platform
 2. Assemblies
 3. Posters
 4. Announcements
 5. Video clips
 6. Presentations
 7. Other ideas
 - a. Share with the water agencies/boards
- E. Other
 1. Mentoring from water agency
 2. Water research
 3. Topics for online platform
 4. Community assistance

III. Third Student School Visit (optional if needed)

- A. Finalize planning of expo
- B. Prepare materials for campaign
- C. Spread the work to the school

IV. Campus Wide Expo

- A. Expo stations (options)
 1. Watershed Enviroscope Model
 2. Ways to reduce, reuse, rethink your water use
 3. Water footprint hamburger

4. School audit data
5. Conservation demos
6. Water agency promotion area
7. Native garden/drought tolerant plants
8. Wheel of Knowledge/Trivia with possible prizes
9. Water conservation pledge
10. Student driven station(s)
11. Other (based on student ideas)

V. Teacher Support

- A. Teachers will receive The Water Effect - Teacher Training Toolkit (developed by The Ecology Center) to support learning in the classroom
- B. Post-assessment
- C. Digital - Online resources

Participating Water Agencies and High Schools

<u>Agency</u>	<u>High School</u>
Anaheim	Anaheim High School
Brea	Brea-Olinda High School
Buena Park	Buena Park High School
East Orange/Tustin	Foothill High School
El Toro	El Toro High School
El Toro	Los Alisos Jr. High
Fountain Valley	Fountain Valley High School
Garden Grove	Pacifica High School
Golden State	Valencia High School
Golden State	Los Alamitos High School
Huntington Beach	Marina High School
Laguna Beach	Laguna Beach High School
Mesa Water	Costa Mesa High School
Moulton Niguel	Capistrano Valley High School
San Clemente	San Clemente High School
San Juan Capistrano	San Juan Hills High School
Santa Ana	Santa Ana High School
Santa Margarita	Tesoro High School
South Coast	Dana Hills High School
Tustin (see East Orange)	Tustin High School



**NURTURING
A NATURAL
CURIOSITY**

Inside the Outdoors programs take lessons from the classroom and create fun, unforgettable hands-on experiences about science and nature. These are powerful moments that leave children with a lifelong enthusiasm for the environment.

**FIELD TRIPS**

Students move out of the classroom and into nature for real-life learning.

**TRAVELING SCIENTIST**

Scientific concepts are explored through hands-on activities in the classroom.

**COMMUNITY PROGRAMS**

Building Environmental Stewards for Tomorrow

Inside the Outdoors is a unique, hands-on environmental education program administered by the Orange County Department of Education.

Our mission is to empower students, teachers, parents, and the community to explore natural areas and expand their knowledge, understanding, and stewardship of the environment. Inside the Outdoors curriculum is designed to support the current California state standards and allows students to interact with these concepts in a real world setting.

Registration for 2015-2016 is now open! [Click here to login and register.](#)

Inside the Outdoors incorporates STEM learning in our programs! [Click here to learn more.](#)

Interested in student contests and other resources for your school or class? Visit our [Contests and School Wide Activities](#) page under the Resources tab.

Inside the Outdoors News and Events

**HIGH SCHOOL PROGRAMS**

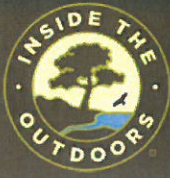
NEW FUNDING!

 Birthday Parties at
RANCHO SOÑADO

WASTE SURVEY

JOIN ITO FOUNDATION ON: **facebook**



TRAVELING
SCIENTIST

High School Programs

Scientists of the Sewers

Your students will learn about the different roles scientists play in waste water treatment through hands-on lab stations. This Traveling Scientist program is a great introduction to the free Field Trip your students will also receive to the Orange County Sanitation District.

This program is sponsored by the Orange County Sanitation District. [Download an application today!](#)

The grant for this program is limited to schools serviced by the Orange County Sanitation District.

The Water Effect

Inside the Outdoors is partnering with The Ecology Center to bring The Water Effect to High Schools throughout Orange County. The goal of this project is to empower, engage, and educate students, teachers, and the community on water issues, awareness, and conservation to create behavior change. This program is sponsored by the Municipal Water District of Orange County and funded by local Orange County water agencies.

There are many ways to get involved with this program, you can join one or all of them!

Teacher Training

Learn how to inspire engaging dialogue around water awareness and the drought in your classroom. Join us for complimentary food, hands-on demos, and high school standards-based water curriculum developed by The Ecology Center and Inside the Outdoors.

WHEN: Wednesday, August 26 from 3:30–5:30 PM

WHERE: The Ecology Center, 32701 Alipaz Street, San Juan Capistrano, CA 92675

REGISTER ONLINE: <http://ocde.k12cms.org/1240-103490>

[Download the Event Flyer](#)

Student Call-to-Action Workshop

High School Students throughout Orange County will be invited to attend a kick-off event where youth will be inspired as they interact with Inside the Outdoors and The Ecology Center staff, community organizing and public awareness campaign experts, and other youth from Orange County. Students will learn how to start an environmental club at their school and engage their classmates and community in behavior-changing water conservation campaigns.

Save the date! More information will be posted soon.

WHEN: Saturday, October 10, 2015,

WHERE: Inside the Outdoors - Rancho Soñado, 8755 Santiago Canyon Rd., Silverado, CA 92676

REGISTER: Information coming soon

High School Student Action Program

Inside the Outdoors will work with selected high schools to develop a water conservation project and present a campus wide fair/expo to educate students about current water issues. The goal is to sustain long-term water awareness, water conservation practices and behavior changes at your school and in your community.

- Students will design and implement a call to action public awareness water conservation campaign designed to engage their classmates
- Inside the Outdoors will educate and mentor students on local water issues
- Inside the Outdoors, and the students, will work together to design a campus wide water fair/expo that will include interactive water education exhibits and gather water conservation pledges from their peers

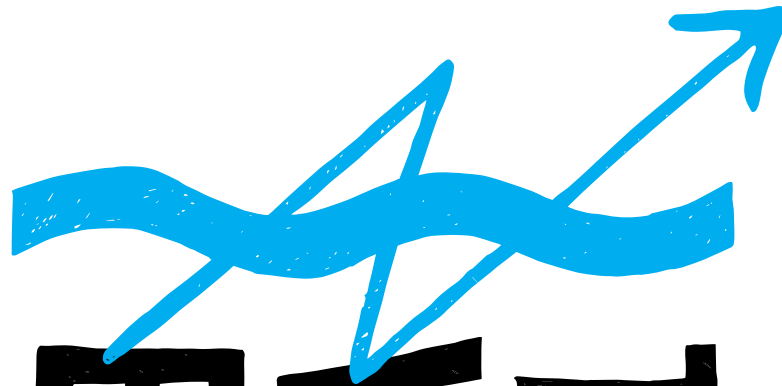
Most schools for this project will be determined by the local water districts. If your school is interested, call our office for potential opportunities at 714-708-3885.

The Water Effect Digital Platform

Coming soon! The Water Effect website and its associated social media channels will serve as a platform to disperse shareable, real-time water conservation solutions.

The platform will feature:

- Solutions-based water conservation education
- Downloadable resources for club, classroom, and community activation
- Creative user-generated content
- Monthly challenges and campaigns



THE WATER EFFECT

PRESENTED BY

The
Ecology
Center

THE WATER EFFECT

MANIFESTO

It's one of the driest years in recorded history ... for the 4th year straight. Yet we each use 1800 gallons of water every day. 90% of that doesn't even flow from the tap - it's in the food we eat and the things we buy. Tracking the hidden water we consume is called water footprinting. That hamburger you had for lunch took 1200 gallons to make. That t-shirt you're wearing, another 600 gallons. You get the picture.

Let's cut our water use in half.

IT'S TIME TO WAKE UP, CALIFORNIA.

Turning off your faucet isn't enough.
We need a water revolution.

IF THERE IS LESS WATER, WE SHOULD USE LESS WATER.

No water now, doesn't have to mean
NO water in the FUTURE.

While everyone is hanging on to their
picture perfect lawns,

WE can actually do something
THAT MATTERS.

WE get it. Don't write us off like we don't care.
IT'S our FUTURE.

JOIN THE MOVEMENT!

Start here. Start now.
WE can turn this around.

THIS CAMPAIGN WILL REACH

100 TEACHERS

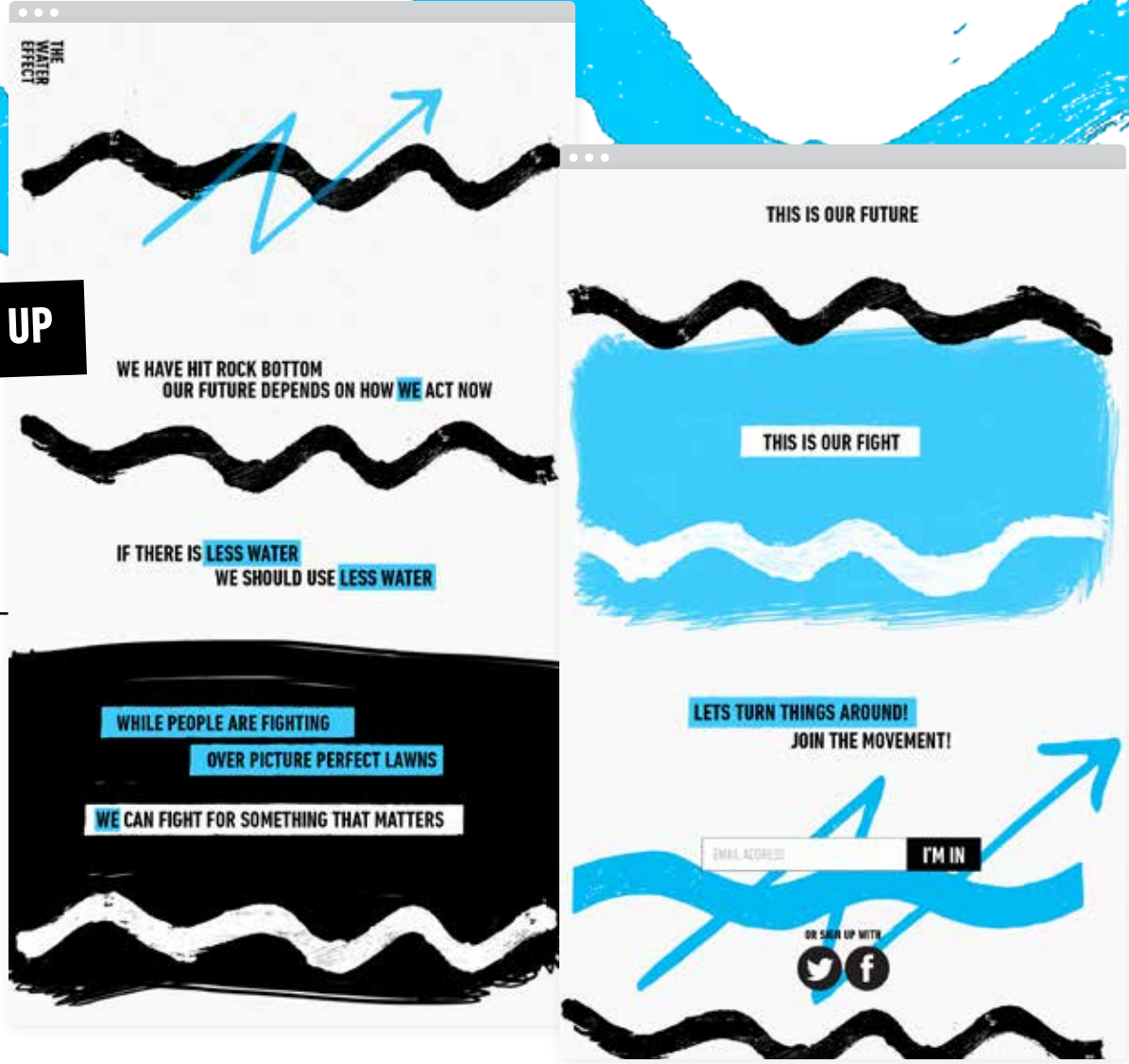
20 SCHOOLS

25,000 STUDENTS ON SCHOOL CAMPUSES &

25,000 STUDENTS ON A DIGITAL PLATFORM

CAMPAIGN WEBSITE MOCK UP

INTERACTIVE SCROLLING
DESIGN LEADING TO PLEDGE.



SOLUTIONS ORIENTED CAMPAIGN

EXAMPLES

EAT LESS WATER.

Swap a meat-based meal (or two) for a veggie-based meal each week.

Gallons saved: 2000/week

Before animals can become food they need to eat and drink. Cut the meat from your diet a few times a week and save 2000 gallons of water.

Eating veggie uses way less water than meat. Swap the red for greens.

DITCH DISPOSABLES!

Swap them out for reusable containers. Start with a bottle.

Gallons saved: 6/bottle fill

It takes a lot of water to make a plastic water bottle. That bottle goes on to join the billion others that end up in landfills and on beaches every year. Go reusable. Eliminate plastic waste and save six gallons every time.

BYO Everything. Purchase and use reusable bottles, to-go ware, and more. Save six gallons every single fill.

GET TANKED.

Thirsty toilet; fill a used bottle with sand, screw the cap back on and place it in the tank to displace some of the water.

Gallons saved: 2/day

We flush away clean water every time we use a toilet. Add a brick into the tank to displace the water so that each flush uses less.

WE are getting tanked. Toilets use a bunch of water. Stick a brick in it to save 2 gallons/day

BRUSH OFF BAD HABITS.

Turn the faucet off while brushing.

Gallons saved: 8/day

You don't need the water running when you brush your teeth. Turn it off. It's that simple.

We can do this. It's REAL simple. Turn off the water when you brush.

SOCIAL MEDIA CAMPAIGN CONCEPTS

#BUCKETCHALLENGE + #DROUGHTSHOWER

Video campaign - Vine // Instagram

The drought calls for a new spin on an old favorite. Use a bucket to collect water as it heats up from your shower, dish-washing -- whatever! Use that water to give yourself a drought shower later in the week. Every gallon counts.

#SAVESIX

Twitter // Instagram

Ditch disposables. Save six gallons with every reusable water fill. But it doesn't stop there! Challenge yourself to make your coffee breaks, lunches, and leftovers reusable. Show us how.

#THRIFTSTORETHURSDAY

Instagram

This week, challenge your #OOTD. Cut down on your fashion footprint. Instead of shopping at the mall, feature something funky and functional from a local thriftstore. Wear it as is, or give it an up-cycled update.

#DROUGHTDINNER + #MEATLESSMONDAYS

Twitter // Instagram

How much water did you eat today? Document your dinner, and let us know how much water it takes to fill your plate.

25,000 STUDENTS PARTICIPATING ON A DIGITAL PLATFORM

TEACHER TRAINING



CALLING ALL TEACHERS!

JOIN US FOR OUR FIRST TEACHER TRAINING

Learn how to inspire engaging dialogue around water awareness and the drought in your classroom. Join us for complimentary food, hands-on demos, and high school standards-based water curriculum developed by The Ecology Center and Inside the Outdoors and sponsored by the Municipal Water District of Orange County.

WHERE

The Ecology Center
32701 Alipaz Street
San Juan Capistrano, CA 92675

WHEN

Wednesday, August 26 from 3:30-5:30 PM

TO REGISTER

TheEcologyCenter.org/events/we-teacher-training

ENJOY COMPLIMENTARY
FOOD & DRINKS!

PARTICIPATE IN
HANDS-ON DEMOS!

TAKE HOME
HIGH SCHOOL
STANDARDS-BASED
CURRICULUM!

INSPIRE WATER
AWARENESS!

PRESENTED BY



The
Ecology
Center

SPONSORED BY



Hurley

REACHING 100 TEACHERS

IN 20 SCHOOLS

EDUCATORS WILL RECEIVE TRAINING
IN STANDARDS-BASED CURRICULUM
DEVELOPED BY THE ECOLOGY CENTER

THEY WILL BE GIVEN A TOOLKIT TO
GUIDE CLASSROOM CONSERVATION
THROUGHOUT THE SCHOOL YEAR.

EXAMPLE LESSON



TEACHER TRAINING TOOLKIT
LESSON 2

WHY ME?

WHAT'S MY WATER FOOTPRINT?

This lesson is all about water awareness. Doing a simple water audit creates a baseline awareness of the kinds of activities that use water and the amount of water we use every day.

HOOK: 4 CORNERS ON WATER AUDIT

- Put a sign in each corner of the room (Less than 1000, 1000-2000, 2000-3000, 3000+) and ask students to go to the corner that best reflects their 72 hour water audit.
- Use the student info gathered to drive a discussion about water usage:
- Were students surprised by the amount of water they used?
- What activity used the most water?
- How do their findings compare with the average American's use (1,800 gallons/day) and the global sustainable level (950 gallons/day)?

INTRO TO NEW MATERIAL

Show students the video "How Much Water Do We Really Use Everyday?"

<https://www.youtube.com/watch?v=On9WRrFHVjY>

After watching the video, ask students to attempt to define "direct use" versus "indirect use", examples, and solutions using Handout #1.

HOMEWORK

Handout #2 – Student answer questions to analyze types of water consumption and management

MORE RESOURCES

What is a Water Footprint?

<http://waterfootprint.org/en/water-footprint/what-is-water-footprint/>

Quick water footprint calculator:

<http://waterfootprint.org/en/resources/interactive-tools/personal-water-footprint-calculator/>

Extended water footprint calculator:

<http://waterfootprint.org/en/resources/interactive-tools/personal-water-footprint-calculator/personal-calculator-extended/>

EXAMPLES OF TOPICS:

WATERSHED ECOLOGY
COMMUNITY ACTIVISM
WATER FOOTPRINTING
EVERYDAY ACTIONS TO CONSERVE WATER
LEADERSHIP DEVELOPMENT

EXAMPLES OF COMMON CORE STANDARDS:

BIOLOGY/LIFE SCIENCE
EARTH SCIENCE
U.S. HISTORY & GEOGRAPHY
READING INFORMATIONAL TEXTS
SPEAKING & LISTENING

CAMPUS CLUB ACTIVATION

YOUTH LEADERS AND INCENTIVIZED CONSERVATION

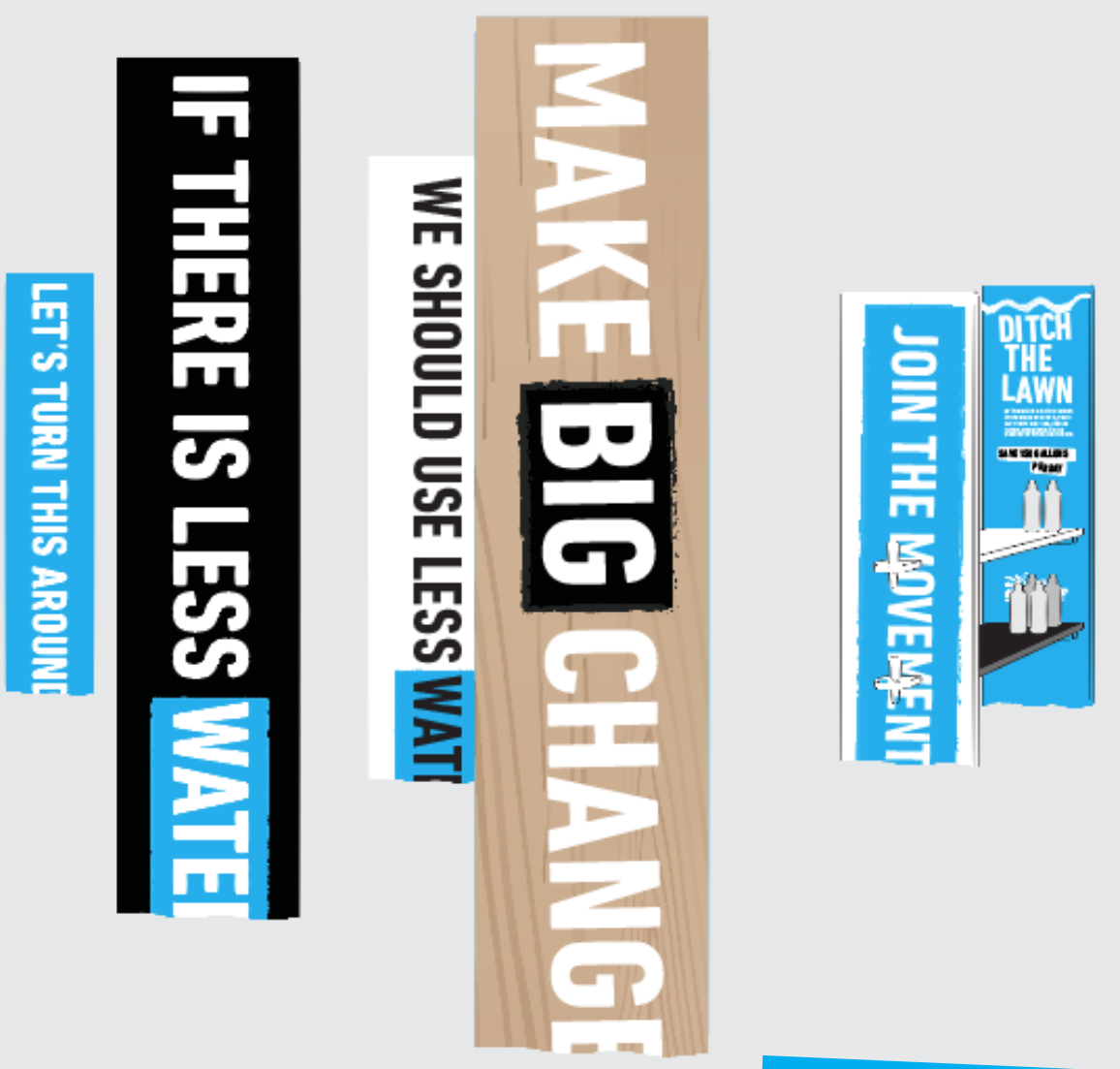


ENGAGING 25,000 STUDENTS ON SCHOOL CAMPUSES

HURLEY PRO EXHIBITION

SEPTEMBER 2015

THE ECOLOGY CENTER



ATTENDED BY 5000 PEOPLE



THE WATER EFFECT PARTNERS

The
Ecology
Center



Hurley)



PARTICIPATING ORANGE COUNTY WATER AGENCIES

BREA
BUENA PARK
EAST ORANGE
EL TORO
FOUNTAIN VALLEY
GARDEN GROVE
GOLDEN STATE

HUNTINGTON BEACH
LA HABRA
LAGUNA BEACH
MESA WATER
MOULTON NIGUEL
SAN CLEMENTE
SAN JUAN CAPISTRANO

SANTA MARGARITA
SERRANO
SOUTH COAST
TUSTIN
ANAHEIM
SANTA ANA

JOIN THE MOVEMENT

#THEWATEREFFECT



**BECOME A LEADER IN YOUR COMMUNITY.
JOIN THE MOVEMENT.**

IF THERE IS LESS WATER,

WE SHOULD USE LESS WATER.

WHY

Inspire engaging dialogue around water awareness and creative solutions with your peers and community.

WHAT

Learn creative water solutions, ideas for activism, and a different, positive future.

WHERE

Inside the Outdoors –
Rancho Soñado Site

WHEN

Saturday, October 10, 2015
from 12:00 pm–3:00 pm

REGISTER

Call (714) 708-3885 or email
insidetheoutdoors@ocde.us to
register. A map and confirmation
details will be emailed to you.

START THE CONVERSATION.

TheWaterEffect.one | @TheWaterEffect | #TheWaterEffect

Join us for free food, hands-on activities, and open dialogue on how to get your community engaged in The Water Effect. While this skills workshop is free, registration is required. Feel free to bring classmates, teammates, and friends. We can turn this around, together.

The
Ecology
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