

REVISED
MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE
February 19, 2019, 8:30 a.m.
Conference Room 101

Committee:

Director Dick, Chair
Director Thomas
Director Osborne

Staff: R. Hunter, K. Seckel, H. Baez,
D. Micalizzi, T. Dubuque, T. Baca

Ex Officio Member: Director Barbre

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 RECEIVED TOO LATE TO BE AGENDIZED - Determine there is a need to take immediate action on item(s) and that the need for action came to the attention of the District subsequent to the posting of the Agenda. (Requires a unanimous vote of the Committee)

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 (BBK)
 - c. County Legislative Report (Lewis)
 - d. Legal and Regulatory Report (Ackerman)
 - e. MWDOC Legislative Matrix
 - f. Metropolitan Legislative Matrix

ACTION ITEMS

2. TRAVEL TO WASHINGTON, DC TO COVER FEDERAL ADVOCACY INITIATIVES
3. TRAVEL TO SACRAMENTO TO COVER STATE ADVOCACY INITIATIVES

4. SB 134 (HERTZBERG) – WATER LOSS PERFORMANCE STANDARDS
5. SB 204 (DODD) – STATE WATER PROJECT: CONTRACTS
6. SUPPORT FOR DIRECTOR BOCKMILLER - ACWA/JPIA EXECUTIVE COMMITTEE
7. ASSOCIATION OF CALIFORNIA WATER AGENCIES/CALIFORNIA MUNICIPAL UTILITIES ASSOCIATION SAFE DRINKING WATER TRUST PROPOSAL
8. THE SMALL SYSTEM WATER AUTHORITY ACT OF 2019

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.)

9. FEBRUARY WATER POLICY DINNER/SPEAKER SERIES (February 21, 2019)
10. OC WATER SUMMIT (May 31, 2019)
11. EDUCATION PROGRAMS UPDATE
12. PUBLIC AFFAIRS ACTIVITIES REPORT

OTHER ITEMS

13. 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
Allison Leavitt

Municipal Water District of Orange County, California
Washington Update
February 12, 2019

Washington is still reeling from the longest federal shutdown in history as federal workers have returned to work after being absent for some five weeks.

As this report is being written, key House and Senate Appropriators came to a tentative funding agreement last night on the remaining seven spending bills to fund the federal government through September 30th. The current funding authority expires at midnight, Friday night, February 15th.

The deal under consideration would include \$1.38 Billion for an additional 55 miles of a physical barrier along the Southern Border. Previously, President Trump had requested \$5.7 Billion for such a barrier.

The funding bill is being written today and is likely to be finished later this evening or tomorrow.

The President has criticized the agreement and hasn't indicated if he will sign it or not.

It has been widely believed that the President would not be able to receive the \$5.7 Billion for the border wall from the Conference Committee and, as a result, he was likely to consider either declaring a "National Emergency" or use "Executive Order" powers to trigger the re-programming of existing federal funds to build a wall or a fence.

If done by an Executive Order the plan would allow the Administration to move money from different budgetary programs and accounts without Congressional approval. And politically,

the Executive Order procedure would not require the very controversial National Emergency Declaration.

There have been discussions in Washington that the White House may seek to move funds appropriated for Army Corps of Engineers flood control projects in Northern California as well as other disaster relief funds for different parts of the country to build a Southern barrier structure. There would be other unnamed accounts also used to build a barrier wall.

At the present time we don't know what other accounts the White House is looking at; we only know it is looking for different pots of money to use for Homeland Security purposes.

The relevance of this discussion is there are several MWDOC Member Agencies who have applied for various federal grants—and the grant funds that have been budgeted for various kinds of water infrastructure as well as other federal grant programs throughout the federal government-- may possibly be targeted for Homeland Security purposes. We are monitoring this issue closely.

The Colorado River Drought Contingency Plan:

The Bureau of Reclamation has issued a new deadline of March 4th for the seven states to come to a consensus on a plan. The Imperial Irrigation District, the largest water user on the Colorado River, won't sign off on a deal until it receives more resources to manage the Salton Sea. They are seeking a \$200 Million in federal funds from National Farm Bill for projects at the Salton Sea. If no agreement can be reached, the Bureau of Reclamation will step in and make key management decisions regarding the Colorado River system.

Wildfire Funding:

No long-term wildfire disaster relief measure for California has been signed into law. Since our last conference call, the House passed a measure on January 16th that included long-term disaster relief in the amount of approximately \$12 Billion (for wildfire and hurricanes) but that bill was never considered by the Senate during the shutdown period.

The current CR that reopened the government through February 15th was essentially a clean CR and it did not have any significant relief aid included.

It has been widely reported that the conference report that is being prepared by the bipartisan conference committee this week will include major disaster relief aid which is considered as mostly non-controversial.

Infrastructure Bill in the New Congress:

Congressman Peter DeFazio (D-Ore.), the incoming Chairman of the House Transportation and Infrastructure Committee, held a daylong hearing on Infrastructure Issues last week. He plans to have his committee hold several hearings on the issue and plans to craft some form of Infrastructure Bill later this year. The vexing issue that has yet to be resolved—how to pay for an ambitious national infrastructure bill –which would also include water infrastructure.

JCB 2/12/19



Memorandum

To: Municipal Water District of Orange County
From: Syrus Devers, Best Best & Krieger
Date: February 19, 2019
Re: Monthly State Political Report

Legislative Report

In General

The Legislature continues its march toward the bill introduction deadline of February 22nd. As of the date this report was prepared approximately 800 bills have been introduced, which is not quite the anticipated halfway. In other words, over half the bill that will eventually be introduced will be put across in the new week. No significant legislation related to water policy has been set for a hearing as of yet. BB&K will give an update at the hearing on rumored legislation, including the return of Senator Hertzberg's ban on ocean outfalls from water treatment plants.

The Budget Subcommittees, however, have started setting key budget items for hearing. Most importantly, the SWRCB and the DWR budgets are up on March 6th and 7th in the Assembly and Senate, respectively. The trailer bill on the water tax will not be ultimately determined at that time, but the SWRCB's comments and the member's questions will be of obvious interest to all parties.

Tax on Water

The Assembly Water, Parks & Wildlife Committee, the Environmental Safety and Toxic Substances Committee, and the Assembly Budget Subcommittee #3 held a joint informational hearing on February 6th on "Implementing Safe Drinking Water". The lead witness was the recently appointed head of the Natural Resources Agency Wade Crowfoot. The list of speakers was weighted in favor of the water tax, but little if any new information was presented by proponents. Cindy Paulson from the California Urban Water Agencies and EMWD's Paul Jones closed the panel discussions with well-informed presentations on the scope of the problem and details about what solutions need to look like. As is usually the case, both the committee room and public gallery section were overcrowded and the line of witnesses stretched out of the room, around two corners, and down a long hall.

As this was only an informational hearing, the real action was elsewhere. The administration, as explained below, has launched a public relations campaign while the opponents have been focused on office meetings. BB&K and MWDOC staff have been directly involved in those meetings, but have refrained from expressing support or opposition for legislation that the Board has not yet seen, but have expressed support for the concepts in the forthcoming CMUA and ACWA sponsored legislation. The effort so far has been impressive. In addition to IRWD doing the majority of the work drafting the legislation, it has worked with the co-sponsor, the California Municipal Utilities Association, on an impressive rollout of the proposal including coordinated introductions in both houses by Senator Caballero and Assembly Member Daly. ACWA is coordinating the lobbying effort to make sure no offices get overlooked.

Administrative Report

The big news is the Governor's State of the State address. Nothing he said was new, but the fact that he said it in his first address to the Legislature makes it news. The two most relevant items were his support for the water tax, which was included in his proposed budget released last month, and his opposition to the two-tunnel WaterFix proposal in favor of a single tunnel, which he publically stated before he was elected. Perhaps the only new information was his acknowledgment that his support for a single tunnel was based on the political perception of MWD, whereas in the past he has been silent on his reasoning.

In one sense nothing has changed; the battle lines drawn months ago have not moved and both sides have been actively pursuing their agendas. In another sense there has been a change in perception, which matters in politics. Newsom has made clear he's not looking for any quarter and the battle now becomes very public. Regarding the WaterFix he holds all the cards. It would take continued attention and resources to bring the twin tunnels to completion, so he wins simply by withholding his support, but he went well beyond that.

Newsom also replaced Felicia Marcus as Chair of SWRCB with Joaquin Esquivel, and appointed Laurel Firestone to her seat. Esquivel was the board member who appeared in support of the water tax at an informational hearing last year, and Firestone was, of course, the lead proponent of the water tax. With these two moves, Newsom has shifted the SWRCB's focus to the water tax and away from the WaterFix.

The County of Orange Report

February 12, 2019
by Lewis Consulting Group



The Free World Awaits San Juan Capistrano Decision

Well, at least the Moulton Niguel, South Coast and Santa Margarita Water Districts are! At their February 5, 2019 meeting, the San Juan Capistrano City Council heard presentations from the three districts; who would each like to assume control and maintenance of the city water utility.

The next city council meeting is February 19th, at which time the city might vote which district to begin exclusive negotiations with. In the meantime, LAFCO, which has already completed a study waits in the wings to review the selection.



LAFCO FINALLY to Meet

After the cancellation of its December and January meetings, LAFCO appears ready to make up for lost time. The February 13th meeting (which is 1 day after our print deadline) features a long list of agenized items, including:

- discussion relative to the appointment process for expired terms and its vacant seat
- an update on current professional services agreements
- special recognition of outgoing Commissioner Todd Spitzer
- a mid-year update on their FY 2018-2019 Work Plan
- election of 2019 LAFCO Officers

Also, the 2019 Strategic Plan has been set for March 13, 2019 at the OCTA Conference Room 8.

Supervisor Race Takes Shape

In the election contest to succeed Todd Spitzer for 3rd District Supervisor, voting has been underway since February 11, culminating with the March 12th Special Election.

The candidates are:

Retired	Larry Bales
Orange County Business Owner	Kris Murray
Educator/Businesswoman	Loretta Sanchez
Small Business Owner	Katherine Daigle
Businesswoman	Deborah Pauly
Mayor of Irvine	Don Wagner
Attorney/Businesswoman/Mother	Kim-Thy "Katie" Hoang Baliss



With the exception of Katherine Daigle, all candidates paid for a candidates ballot statement. With the field comprised of six Republicans and one Democrat, the math seems to favor former Democrat Congresswoman Loretta Sanchez.

In recent weeks, numerous surveys have been conducted. The surveys imply that at the present time it is essentially a two person contest between Loretta Sanchez and Don Wagner. Sanchez has a small to moderate lead in each survey with all other candidates mired in single digits.



3-1 Board Split Already Apparent

With the election of the Board's first Democrat in recent years, Doug Chaffee, it's already clear what the major fight will entail as democrats attempt to increase their number. The looming battle based on Supervisor Chaffee's actions so far will be over out-sourcing. The few times the new Supervisor has questioned or broken ranks with his colleagues is over who is best suited to

perform certain tasks for the County, County employees or contracted private sector companies? Because the Orange County Employees Association is heavily vested in the fight to retain as many County employees as possible, look for this issue to be a major fight over the years to come.

The Blue Wave . . . Board of Supervisors Next?

With Loretta Sanchez holding the current polling lead in the 3rd District Supervisor Special Election, look to 2020 to be the battle royale over party domination of the Board. Whether Loretta Sanchez or someone else wins this Special Election, they will need to prepare quickly for a March 2020 re-election re-match. The March date is important because with a spirited Democrat Presidential primary fight, turn-out could help

Democrats win outright in the March contest. A candidate with 50% +1 can avoid a November run-off.

In addition to the 3rd District Supervisor race, Supervisor Andrew Do will have a tough re-election fight on his hands as Santa Ana Mayor Miguel Pulido prepares to run against him. Pulido has served on the Santa Ana City Council since 1986 and has served as Santa Ana Mayor since 1994. An election sweep of Sanchez and Pulido would create a 3-2 Democrat Board majority.



PPIC Poll

California Still Deep Blue

The latest survey released by the Public Policy Institute of California [PPIC], corroborates the 2018 Democrat election landslide in California.

In recent decades California has moved decidedly to the left and Republicans will soon qualify for “endangered species” recognition.

Californians are apparently happy with our new Governor Gavin Newsome, who enjoys a 44%-

23% approval rating and must not be worried about legislative super majorities for Democrats given that by a 55%-40% margin they believe things in California are headed in the right direction. When described details of Governor Newsome’s budget, 70% generally favor compared to 22% in opposition.

Although 61% of respondents still believe passage of the Property Tax Limitation, Proposition 13, in 1978 turned out to be mostly a good thing, a plurality 47%-43% favor deleting Proposition 13’s tax limitation for commercial property. The passage of what is called a “split roll” would result in \$6-10 billion a year in new tax revenue.

Those surveyed listed the following as the most important issues facing California today:

- 15% Immigration / illegal immigration
- 11% Education school teachers
- 10% Jobs / economy
- 8% Environment pollution / Global Warming
- 6% Homelessness
- 5% Government in general, problems with elected officials
- 5% Health care / health insurance
- 5% Housing costs availability
- 5% State budget / deficit / taxes
- 4% Infrastructure
- 3% Crime gangs drugs
- 2% Water / drought
- 21% Other / don’t know

On the national front, Californians approve of the job being done by Speaker Nancy Pelosi 48%-39%. However, President Trump does not fare as well with only 30% approval while 67% disapprove.

More respondents declared themselves as either very liberal 14% or somewhat liberal 22% than very conservative 11% or somewhat conservative 20%. 49% of those surveyed think of themselves closer to the Democratic Party compared to 24% choosing the GOP.

The survey of 1,707 adults yields a margin of error of +/- 3.3%. The survey was conducted January 20-29, 2019.

California Drought-ing - Going, Going, GONE!

All the hills are white and the skies are grey (apologies to the Mamas & Papas).

One winter storm after another has smashed down the California drought. In less than a month, drought busting rain and snow changed the drought monitor's analysis from a state that was mostly in drought (although a weak level) to a state that is mostly drought free or just abnormally dry.

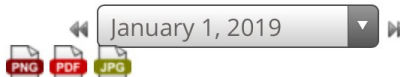
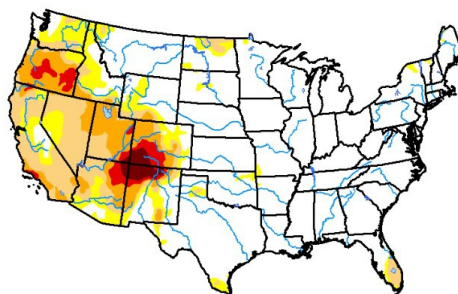
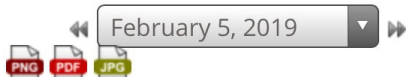
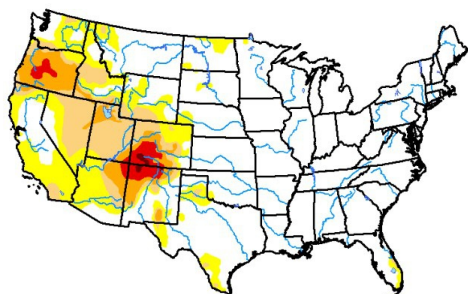
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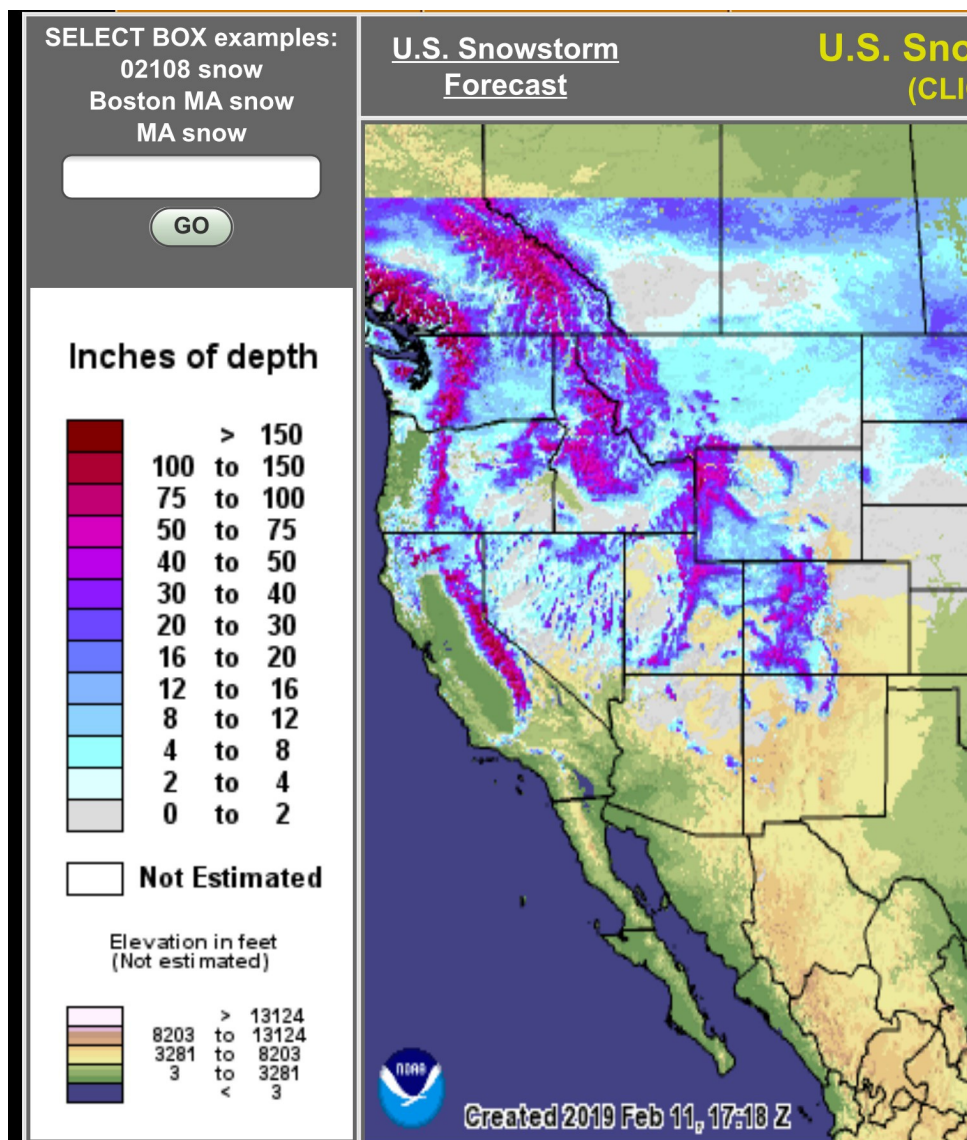
Drought Classification

☐ None ☐ D0 (Abnormally Dry) ☐ D1 (Moderate Drought) ☐ D2 (Severe Drought)
☐ D3 (Extreme Drought) ☐ D4 (Exceptional Drought)



The latest Drought Monitor does not include the update released Thursday, February 14, 2019, where even more improvement is anticipated. As we go to print, a new winter storm is expected to dump an additional five feet of snow in some parts of the Sierras. In a few months, Spring snow melt and flooding may be our new big concern.

There's Snow in Them Thar Hills!



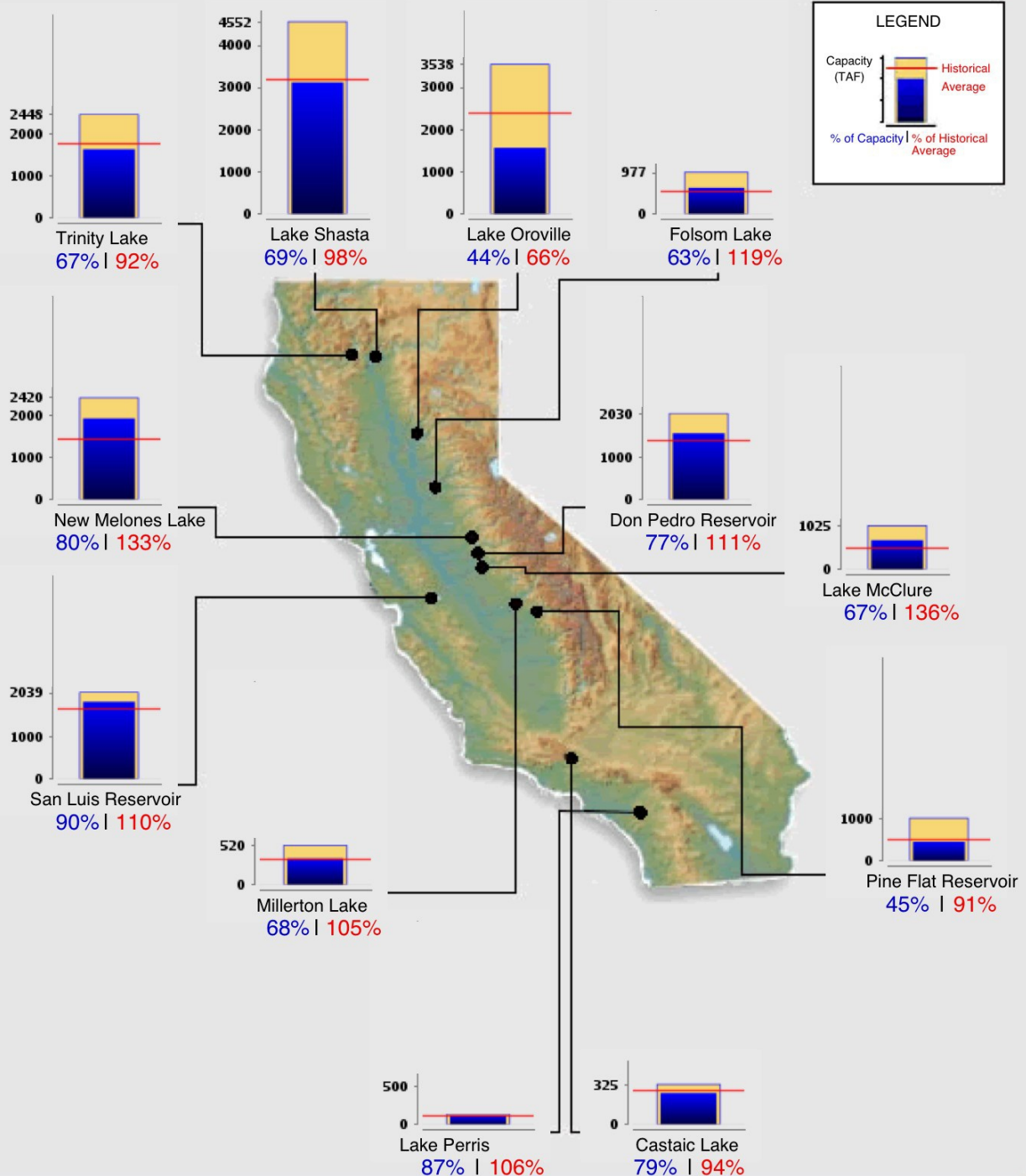
The latest U.S. Snow Cover Maps confirm the good news for both the Sierras and the Rocky Mountains. Hopefully, Colorado River lakes will finally begin to recover.



Reservoir Conditions

Ending At Midnight - February 11, 2019

CURRENT RESERVOIR CONDITIONS



Legal and Regulatory

February 19, 2019

1. **Ratings for Atmospheric Rivers:** Atmospheric rivers (AR) are coming of age. Soon they will have rating scales like earthquake's Richter Scale. Marty Ralph, director of the Center for Western Weather and Water Extremes, was watching the news weather reports on AR and realized the information being put out was not useful for the average viewer and in particular water managers, emergency responders and policy makers. Reports varied from weak to strong and comments in between. But there was no precise manner to explain the strength of AR. Part of the problem was the delay, which can be weeks, from the recognition of the AR and the resultant impact when it hits land. AR as we know can be very beneficial but can also cause damage with flooding. Working with UC San Diego, DWR and the National Weather Service, Ralph is developing a scale from 1 to 5 to describe the impact of AR. Under this system, our most recent storm (before this Feb 11 composing) would be Category 2 due to its moderate intensity and short duration. Having accurate scales will be an added tool for water world planning, emergency situations and elected officials making policy.
2. **Ocean Warming:** Various climate change groups, including Berkeley Earth, are reporting that ocean temperatures are increasing at a greater rate than expected. Oceans are a buffer between any increase in land mass temperature, normally reducing or slowing the overall temperature increase. There is a difference between actual test data and climate modeling with the actual data often coming below the increase predicted from the modeling. These groups attributed predicted sea level rise to increase water temperature, much more than melting ice caps. Also, oceans do not warm consistently. They are affected by currents, topography and other factors, and thus will have different impacts on various parts of the world.
3. **MWD Draining Lake Mead:** For many years, Lake Mead has been serving as a bank for water agencies. MWD has been using it extensively, currently to the extent of 600,000 acre feet. Because of the current state of the Lake and the impending deadline for a deal for drought contingency, MWD has started to reclaim the water it had been storing. The reason is simple. If they did not, they would risk losing their asset under a Federal order. While the action has drawn some criticism, everyone admits they would take the same action if the water was theirs. Even with the MWD action, they are limited to taking only one half of their entitlement this year, so a risk continues.
4. **Subsidence Threatens Canals:** The significant subsidence in the San Joaquin Valley has damaged the canal system in the area. The result in the Friant-Kern Canal is the loss of carrying capacity, in some areas up to 60%, which means less water getting to the farmers and also less water available to recharge the underground aquifers. This condition is at odds with the Sustainable Groundwater Management Act (SGMA) which requires all areas to have plans to recharge the aquifers. This capacity loss is more than 1000 cubic feet per second which can be from one half to one fourth of the normal flow. There is also a debate as to who should pay for the repair. There was \$750 million in the last water bond, Prop 3, which did not pass. This condition is also impacting the Delta-Mendota Canal.

5. **San Diego Pollution Fix:** As we have previously reported, San Diego is having a major problem with beach and water pollution coming from their Mexican neighbors. Now, an environmental group, Wildcoast, is trying to help. The Goat Canyon project uses catch basins and trash booms to catch the big stuff and keep sediment out of the treatment plant that is downstream. Many times the plants pumps are not working or are clogged with sediment and trash. The measures taken are having a positive impact and may be duplicated at other spots. There is still a dispute between the local jurisdictions and the Federal Governments and to who is responsible and what permanent action should be taken.
6. **Ag Market Depressed:** Land values in Kern County agricultural areas have been going down for many years. Now, they are threatened again by SGMA. Future restrictions on water use for this land will bring per acre prices down further. Average per acre price from three years ago has dropped from \$34,000 to \$25,000. More than 185,000 acres are threatened with losing irrigation. This equates to more than 12,000 jobs. No one knows what the entire financial impact but it will be large.
7. **IID Threatens Pact:** The Colorado River Drought Contingency Plan being worked on by the seven states in the Colorado River basin is up against a deadline. Arizona has just approved the Plan at the last minute. Now, Imperial Irrigation District (IID) is making last minute demands for more money for the Salton Sea. They would like guarantees from the both the Federal and State government for funding. While IID does have senior rights on the River, they may be overplaying their hand. The Federal Government will probably have the final say in the Plan and may have the last word.
8. **Coho Salmon Surge:** Our recent winter rains have contributed to an increase in Coho salmon in Marin County, one of the largest spawning grounds in the State. Habitat restoration activities and the added water have proven to be productive. These fish travel 33 miles from the Pacific Ocean to their mating areas. This cycle repeats every 3 years. Now, the biggest threat to continued growth in their population are sea otters and sea lions. The surge was a triple count from last year to over 650 fish.
9. **AR Flood Risk:** AR predictions for California are increasing, even without the new rating system. A Pineapple Express in addition to bringing increase rain, could start early snow melts. These two factors will increase the chance of flooding. Snow packs are now at 123% in the Sierra Nevada range and 135% in the Southern Sierras. Reservoirs are all at high levels. Flood controls facilities like Folsom have begun increasing their water releases. New Melones has also started releasing. Oroville, which has been kept at a low level until all construction has been completed is expected to start filling now. There is always the balance between storing in these facilities and releasing enough water to accommodate the flood conditions.
10. **Drought Technologies:** New satellite technology is being employed to help manage groundwater usage and drought management. Remote Internet of Things (IoT) sensors are used to measure groundwater usage in conjunction with satellites. This along the IBM Blockchain Program will monitor water swaps, transactions while measuring aquifer levels. This technology has been developed for use in Kenya and Ethiopia and will be piloted in the Delta. The University of Colorado research team will also assist in this effort. Part of this effort will the purchase and sale of groundwater and developing a market based trading system.

Municipal Water District of Orange County

Item No. 1e

Bill Matrix
Prepared by Best Best & Krieger
February 19, 2019

Measure	Author	Topic	Status	Location	Brief Summary	Position	Priority	Notes 1
AB 129	Bloom D	Waste management: plastic microfiber.	1/7/2019- Read first time.	12/4/2018-A. PRI NT	Would declare the intent of the Legislature to, among other things, enact legislation to recognize the emerging threat that microfibers pose to the environment and water quality and would make related findings and declarations.	Out for Analysis	B. Watch	
AB 134	Bloom D	Safe, clean, affordable, and accessible drinking water.	1/7/2019- Read first time.	12/5/2018-A. PRI NT	Would state findings and declarations relating to the intent of the Legislature to adopt policies to ensure that every Californian has the right to safe, clean, affordable, and accessible drinking water.	Out for Analysis	A. Priority Support/ Oppose	
AB 217	Garcia, Eduardo D	Safe and Affordable Drinking Water Fund.	2/4/2019- Referred to Com. on E.S. & T.M.	2/4/2019- A. E.S. & T.M.	Would establish the Safe and Affordable Drinking Water Fund in the State Treasury and would provide that moneys in the fund are available, upon appropriation by the Legislature, to the board to provide a stable source of funding to secure access to safe drinking water for all Californians, while also ensuring the long-term sustainability of drinking water service and infrastructure.	Watch	A. Priority Support/ Oppose	
AB 223	Stone, Mark D	California Safe Drinking Water Act: microplastics.	2/4/2019- Referred to Com. on E.S. & T.M.	2/4/2019- A. E.S. & T.M.	The California Safe Drinking Water Act requires the State Water Resources Control Board to administer provisions relating to the regulation of drinking water to protect public health. Current law requires the state board, on or before July 1, 2020, to adopt a definition of microplastics in drinking water and, on or before July 1, 2021, to adopt a standard methodology to be used in the testing of drinking water for microplastics and requirements for 4 years of testing and reporting of microplastics in drinking water, including public disclosure of those results. This bill would require the state board, to the extent possible, and where feasible and cost effective, to work with the State Department of Public Health in complying with those requirements.	Out for Analysis	A. Priority Support/ Oppose	
AB 292	Quirk D	Recycled water: raw water and	2/7/2019- Referred to Coms.	2/7/2019- A. E.S. & T.M.	Current law requires the State Water Resources Control Board, on or before December 31, 2023, to adopt			

		groundwater augmentation.	on E.S. & T.M. and W., P., & W.		uniform water recycling criteria for direct potable reuse through raw water augmentation, as specified. This bill would eliminate the definition of “direct potable reuse” and instead would substitute the term “groundwater augmentation” for “indirect potable reuse for groundwater recharge” in these definitions. The bill would require, on or before December 31, 2023, the state board to adopt uniform water recycling criteria for raw water augmentation.			
<u>AB 441</u>	<u>Eggman</u> D	Water: underground storage.	2/12/2019- From printer. May be heard in committee March 14.	2/11/2019-A. PRI NT	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 provides for the reversion of water rights to which a person is entitled when the person fails to beneficially use the water for a period of 5 years. 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 revise the above declaration to additionally provide that certain uses of stored water while underground constitute beneficial use.			
<u>SB 1</u>	<u>Atkins</u> D	California Environmental , Public Health, and Workers Defense Act of 2019.	2/12/2019- Set for hearing March 20.	1/16/2019-S. E.Q.	Current state law regulates the discharge of air pollutants into the atmosphere. The Porter-Cologne Water Quality Control Act regulates the discharge of pollutants into the waters of the state. The California Safe Drinking Water Act establishes standards for drinking water and regulates drinking water systems. The California Endangered Species Act requires the Fish and Game Commission to establish a list of endangered species and a list of threatened species, and generally prohibits the taking of those species. This bill would require specified agencies to take prescribed actions regarding certain federal requirements and standards pertaining to air, water, and protected species, as specified.	Out for Analysis	B. Watch	
<u>SB 19</u>	<u>Dodd</u> D	Water resources: stream gages.	1/16/2019- Referred to Com. on N.R. & W.	1/16/2019-S. N.R. & W.	Would require the Department of Water Resources and the State Water Resources Control Board, upon an appropriation of funds by the Legislature, to develop a plan to deploy a network of stream gages	Out for Analysis	B. Watch	

					<i>that includes a determination of funding needs and opportunities for modernizing and reactivating existing gages and deploying new gages, as specified. The bill would require the department and the board, in consultation with the Department of Fish and Wildlife, the Department of Conservation, the Central Valley Flood Protection Board, interested stakeholders, and, to the extent they wish to consult, local agencies, to develop the plan to address significant gaps in information necessary for water management and the conservation of freshwater species.</i>			
<u>SB 45</u>	<u>Allen D</u>	<i>Wildfire, Drought, and Flood Protection Bond Act of 2020.</i>	<i>1/16/2019- Referred to Coms. on N.R. & W., EQ., and GOV. & F.</i>	<i>1/16/2019-S. N.R. & W.</i>	<i>Would enact the Wildfire, Drought, and Flood Protection Bond Act of 2020, which, if approved by the voters, would authorize the issuance of bonds in an unspecified amount pursuant to the State General Obligation Bond Law to finance projects to restore fire damaged areas, reduce wildfire risk, create healthy forest and watersheds, reduce climate impacts on urban areas and vulnerable populations, protect water supply and water quality, protect rivers, lakes, and streams, reduce flood risk, protect fish and wildlife from climate impacts, improve climate resilience of agricultural lands, and protect coastal lands and resources.</i>	<i>Out for Analysis</i>	<i>B. Watch</i>	
<u>SB 134</u>	<u>Hertzberg D</u>	<i>Water conservation: water loss performance standards: enforcement.</i>	<i>1/24/2019- Referred to Com. on N.R. & W.</i>	<i>1/24/2019-S. N.R. & W.</i>	<i>Current law authorizes the State Water Resources Control Board to issue information orders, written notices, and conservation orders to an urban retail water supplier that does not meet its urban water use objective, and existing law authorizes the board to impose civil liability for a violation of an order or regulation issued pursuant to these provisions, as specified. Current law requires the board, no earlier than January 1, 2019, and no later than July 1, 2020, to adopt rules requiring urban retail water suppliers to meet performance standards for the volume of water losses. This bill would prohibit the board from imposing liability for a violation of the performance standards for the volume of water losses except as part of the enforcement of an urban water use objective.</i>			
<u>SB 200</u>	<u>Monning D</u>	<i>Safe and Affordable Drinking Water Fund.</i>	<i>2/1/2019- From printer. May be</i>	<i>1/31/2019-S. RLS.</i>	<i>Would establish the Safe and Affordable Drinking Water Fund in the State Treasury and would provide that moneys in the fund are</i>			

			<i>acted upon on or after March 3.</i>		<i>available, upon appropriation by the Legislature, to the State Water Resources Control Board to provide a stable source of funding to secure access to safe drinking water for all Californians, while also ensuring the long-term sustainability of drinking water service and infrastructure.</i>			
<u>SB 204</u>	<u>Dodd D</u>	<i>State Water Project: contracts.</i>	<i>2/5/2019-From printer. May be acted upon on or after March 7.</i>	<i>2/4/2019-S. RLS.</i>	<i>Would require the Department of Water Resources to provide at least 10 days' notice to the Joint Legislative Budget Committee and relevant policy and fiscal committees of the Legislature before holding public sessions to negotiate any potential amendment of a long-term water supply contract that is of projectwide significance with substantially similar terms intended to be offered to all contractors, or that would permanently transfer a contractual water amount between contractors.</i>			
Total Measures: 12 Total Tracking Forms: 12								



ACTION ITEM
February 20, 2019

TO: **Public Affairs and Legislation Committee**
(Directors Dick, Osborne, and Thomas)

FROM: **Robert Hunter, General Manager**

Staff Contact: Heather Baez

SUBJECT: TRAVEL TO WASHINGTON D.C. TO COVER FEDERAL ADVOCACY ISSUES

STAFF RECOMMENDATION

Staff recommends the Board of Directors review the travel expenses and ratify as reported.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

DIRECTORS

For the second quarter (October-December 2018) of fiscal year 2018-2019, one trip was taken.

- November 27-30: Director Barbre

The following is budgeted for fiscal year 2018/2019 for **directors**:

Washington D.C. Legislative Budget Travel - \$10,800, 6 trips

Budgeted (Y/N): Y	Budgeted amount: Directors - \$10,800 Staff - \$10,800	Core X	Choice ____
Action item amount: None	Line item: 11-7155 12-7150		
Fiscal Impact (explain if unbudgeted):			

- Total cost for this quarter: \$3,394.26
- Year-to-date spent: \$3,394.26
- Budget remaining: \$7,405.74

Costs for this quarter include credit lost due to a canceled trip in 2017 (airfare not used within one year charged to this fiscal year) and airfare purchased for an upcoming trip in the third quarter.

Projecting for the third quarter of fiscal year 2018-2019, one trip has been taken:

- January 9-11: Director Barbre

STAFF

For the second quarter (October-December 2018) of fiscal year 2018-2019, one trip was taken:

- November 27-30: Damon Micalizzi

The following is budgeted for fiscal year 2017/2018 for **staff**:

Washington D.C. Legislative Travel - \$10,800, 6 trips

- Total cost for this quarter: \$2,371.74
- Year-to-date spent: \$2,371.74
- Budget remaining: \$8,428.26

Projecting for the third quarter of fiscal year 2018-2019, one trip has taken:

- January 9-11: Rob Hunter

The focus of the trips this coming fiscal year will be on the importance of the CA WaterFix (federal permits and funding), Colorado River Drought Contingency Plans, funding opportunities for local and regional projects, long term conservation and tax parity water rebate issues (turf removal program, et al.), and visits to representative's offices to update them on issues of importance to MWDOC and its member agencies.



ACTION ITEM
February 20, 2019

TO: Public Affairs and Legislation Committee
(Directors Dick, Osborne and Thomas)

FROM: Robert Hunter, General Manager

Staff Contact: Heather Baez

SUBJECT: TRAVEL TO SACRAMENTO TO COVER STATE ADVOCACY ISSUES

STAFF RECOMMENDATION

Staff recommends the Board of Directors review the travel expenses and ratify as reported.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

DIRECTORS

For the second quarter (October-December 2018) of fiscal year 2018-2019, zero trips were taken.

The following is budgeted for fiscal year 2018/2019 for **directors**:

Sacramento Legislative Budget Travel - \$4,600, 8 trips

- Total cost for this quarter: \$0
- Year-to-date spent: \$0
- Budget remaining: \$4,600

Budgeted (Y/N): Yes	Budgeted amount: \$4,600 – Directors \$10,500 – Staff	Core X	Choice ____
Action item amount: None	Line item: 11-7155 12-7150		
Fiscal Impact (explain if unbudgeted):			

Projecting for the third quarter of fiscal year 2018-2019, no trips have been scheduled.

STAFF

For the second quarter (October-December 2018) of fiscal year 2018-2019, five trips were taken:

- October 9 – Heather Baez
- October 26 – Heather Baez
- November 14 – Heather Baez
- December 12 – Heather Baez
- December 18 – Heather Baez

The following is budgeted for fiscal year 2017/2018 for **staff**:

Sacramento Legislative Travel - \$10,500, 18 trips

- Total cost for this quarter: \$2,645.99
- Year-to-date spent: \$4,663.14
- Budget remaining: \$4,836.86

Projecting out for the third quarter of fiscal year 2018-2019, five trips have been taken/scheduled.

- January 16/17 – Heather Baez
- February 1 – Heather Baez
- February 6/7 – Heather Baez
- February 22 – Heather Baez
- March 15 – Heather Baez

The focus of the trips are safe drinking water (i.e. “water tax” and alternative proposals), AB 401 (Low Income Rate Assistance program for water) implementation, California Water Plan implementation, California WaterFix and EcoRestore oversight, and State Water Resources Control Board meetings.



ACTION ITEM
February 20, 2019

TO: Board of Directors

FROM: **Public Affairs and Legislation Committee**
(Directors Dick, Osborne, and Thomas)

Robert Hunter
General Manager

Staff Contact: Heather Baez

SUBJECT: SB 134 (Hertzberg) – Water Loss Performance Standards

STAFF RECOMMENDATION

Staff recommends the Board of Directors vote to adopt a support position on SB 134 (Hertzberg).

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

BILL SUMMARY

SB 134 would prohibit the State Water Resources Control Board (State Board) from imposing liability for a violation of the performance standards for the volume of water losses except as part of the enforcement of an urban water use objective.

ARGUMENTS IN SUPPORT

SB 134 builds on SB 606 (Hertzberg, 2018) to ensure urban water suppliers have primary responsibility for meeting the standards-based water use targets. Specifically, it clarifies that the State Board will enforce an accumulative statewide performance standard, ensuring that the volume of water loss is not enforced separately from the other factors. This will ensure

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core X	Choice __
Action item amount: None		Line item:	
Fiscal Impact (explain if unbudgeted):			

that urban water suppliers are provided flexibility to achieve the water use efficiency goals established under Senate Bill 606 (Hertzberg, 2018).

ARGUMENTS IN OPPOSITION

None on file

STAFF COMMENTS

MWDOC's Legislative Policy Principles directly reflect supporting legislation that allows flexibility for local agencies to meet their conservation targets. Specifically, *it is MWDOC's policy to support legislation and regulation that: would allow flexibility and options for compliance in achieving statewide water reduction goals.*

DETAILED REPORT

The full text of SB 134 is attached.

Introduced by Senator Hertzberg

January 15, 2019

An act to amend Section 10608.34 of the Water Code, relating to water conservation.

LEGISLATIVE COUNSEL'S DIGEST

SB 134, as introduced, Hertzberg. Water conservation: water loss performance standards: enforcement.

Existing law requires each urban retail water supplier to calculate an urban water use objective no later than November 1, 2023, and by November 1 every year thereafter. Existing law requires the urban water use objective to be composed of the sum of certain water use estimates, including aggregate estimated efficient water losses. Existing law authorizes the State Water Resources Control Board to issue information orders, written notices, and conservation orders to an urban retail water supplier that does not meet its urban water use objective, and existing law authorizes the board to impose civil liability for a violation of an order or regulation issued pursuant to these provisions, as specified.

Existing law requires the board, no earlier than January 1, 2019, and no later than July 1, 2020, to adopt rules requiring urban retail water suppliers to meet performance standards for the volume of water losses.

This bill would prohibit the board from imposing liability for a violation of the performance standards for the volume of water losses except as part of the enforcement of an urban water use objective.

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

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

SECTION 1. Section 10608.34 of the Water Code is amended to read:

10608.34. (a) (1) On or before January 1, 2017, the department shall adopt rules for all of the following:

(A) The conduct of standardized water loss audits by urban retail water suppliers in accordance with the method adopted by the American Water Works Association in the third edition of Water Audits and Loss Control Programs, Manual M36 and in the Free Water Audit Software, version 5.0.

(B) The process for validating a water loss audit report prior to submitting the report to the department. For the purposes of this section, “validating” is a process whereby an urban retail water supplier uses a technical expert to confirm the basis of all data entries in the urban retail water supplier’s water loss audit report and to appropriately characterize the quality of the reported data. The validation process shall follow the principles and terminology laid out by the American Water Works Association in the third edition of Water Audits and Loss Control Programs, Manual M36 and in the Free Water Audit Software, version 5.0. A validated water loss audit report shall include the name and technical qualifications of the person engaged for validation.

(C) The technical qualifications required of a person to engage in validation, as described in subparagraph (B).

(D) The certification requirements for a person selected by an urban retail water supplier to provide validation of its own water loss audit report.

(E) The method of submitting a water loss audit report to the department.

(2) The department shall update rules adopted pursuant to paragraph (1) no later than six months after the release of subsequent editions of the American Water Works Association’s Water Audits and Loss Control Programs, Manual M36. Except as provided by the department, until the department adopts updated rules pursuant to this paragraph, an urban retail water supplier may rely upon a subsequent edition of the American Water Works Association’s Water Audits and Loss Control Programs, Manual M36 or the Free Water Audit Software.

1 (b) On or before October 1, 2017, and on or before October 1
2 of each year thereafter, each urban retail water supplier shall submit
3 a completed and validated water loss audit report for the previous
4 calendar year or the previous fiscal year as prescribed by the
5 department pursuant to subdivision (a). Water loss audit reports
6 submitted on or before October 1, 2017, may be completed and
7 validated with assistance as described in subdivision (c).

8 (c) Using funds available for the 2016–17 fiscal year, the board
9 shall contribute up to four hundred thousand dollars (\$400,000)
10 towards procuring water loss audit report validation assistance for
11 urban retail water suppliers.

12 (d) Each water loss audit report submitted to the department
13 shall be accompanied by information, in a form specified by the
14 department, identifying steps taken in the preceding year to increase
15 the validity of data entered into the final audit, reduce the volume
16 of apparent losses, and reduce the volume of real losses.

17 (e) At least one of the following employees of an urban retail
18 water supplier shall attest to each water loss audit report submitted
19 to the department:

20 (1) The chief financial officer.

21 (2) The chief engineer.

22 (3) The general manager.

23 (f) The department shall deem incomplete and return to the
24 urban retail water supplier any final water loss audit report found
25 by the department to be incomplete, not validated, unattested, or
26 incongruent with known characteristics of water system operations.
27 A water supplier shall resubmit a completed water loss audit report
28 within 90 days of an audit being returned by the department.

29 (g) The department shall post all validated water loss audit
30 reports on its Internet Web site in a manner that allows for
31 comparisons across water suppliers. The department shall make
32 the validated water loss audit reports available for public viewing
33 in a timely manner after their receipt.

34 (h) Using available funds, the department shall provide technical
35 assistance to guide urban retail water suppliers' water loss detection
36 programs, including, but not limited to, metering techniques,
37 pressure management techniques, condition-based assessment
38 techniques for transmission and distribution pipelines, and
39 utilization of portable and permanent water loss detection devices.

- 1 (i) (1) No earlier than January 1, 2019, and no later than July
2 1, 2020, the board shall adopt rules requiring urban retail water
3 suppliers to meet performance standards for the volume of water
4 losses. In adopting these rules, the board shall employ full life-cycle
5 cost accounting to evaluate the costs of meeting the performance
6 standards. The board may consider establishing a minimum
7 allowable water loss threshold that, if reached and maintained by
8 an urban water supplier, would exempt the urban water supplier
9 from further water loss reduction requirements.
- 10 (2) *Notwithstanding paragraph (2) of subdivision (a) of Section*
11 *1846, the board shall not find a person or entity liable for a*
12 *violation of a regulation or order adopted pursuant to this*
13 *subdivision except as part of the enforcement of an urban water*
14 *use objective adopted pursuant to Section 10609.20.*

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Item No. 5

ACTION ITEM February 20, 2019

TO: Board of Directors

FROM: **Public Affairs and Legislation Committee**
(Directors Dick, Osborne, and Thomas)

Robert Hunter
General Manager

Staff Contact: Heather Baez

SUBJECT: SB 204 (Dodd) – State Water Project: Contracts

STAFF RECOMMENDATION

Staff recommends the Board of Directors vote to adopt an oppose position on SB 204 (Dodd).

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

BILL SUMMARY

SB 204 would establish requirements for both the Department of Water Resources (DWR) and the Delta Conveyance, Design and Construction Authority Joint Powers Authority (JPA) to notify the legislature about pending State Water Project contracts allowing for public review, prior to those agencies moving forward with any work on the California WaterFix and EcoRestore project. In addition, it would prohibit the JPA from finally approving a contract for 90 days after the first hearing by the Legislature to review the proposed contract.

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core X	Choice __
Action item amount: None		Line item:	
Fiscal Impact (explain if unbudgeted):			

ARGUMENTS IN SUPPORT

According to the author, “In years past, there has been too little opportunity for impacted communities to influence this flawed project, which will have a massive impact on the Delta’s environment, the local economy and drinking water quality. This bill gives the Legislature and Delta residents a place at the table to learn about what’s going on, express concerns and offer solutions that will serve Californians.”

ARGUMENTS IN OPPOSITION

Current law already requires DWR to advise the Joint Legislative Budget Committee at least 60 days prior to the renewal or extension of water supply contracts between DWR and water contractors. The author’s assertion that there has been too little opportunity for the Delta communities to influence the project is not true. If anything, residents in the Delta communities have been the most vocal about the project and have shared their concerns to DWR, the State Water Resources Control Board, the Delta Stewardship Council, along with local, state, and federal leaders.

This bill is simply another attempt by the members of Legislature in the Delta Caucus to kill the California WaterFix and EcoRestore project and satisfy their vocal constituents.

STAFF COMMENTS

MWDOC’s Legislative Policy Principles directly reflect opposition to legislation that is intended to place further restrictions or delays on the California WaterFix project. Specifically, *it is MWDOC’s policy to oppose legislation and regulation that: Delays or impedes implementation of the California WaterFix and EcoRestore.*

DETAILED REPORT

The full text of SB 204 is attached.

Introduced by Senator Dodd

(Principal coauthor: Assembly Member Frazier)

(Coauthors: Senators Galgiani, Glazer, and Pan)

(Coauthors: Assembly Members Cooper, Eggman, Grayson, and McCarty)

February 4, 2019

An act to add Section 6525.5 to the Government Code, and to add Section 147.6 to, and to repeal and add Section 147.5 of, the Water Code, relating to water.

LEGISLATIVE COUNSEL'S DIGEST

SB 204, as introduced, Dodd. State Water Project: contracts.

(1) Under existing law, the Department of Water Resources operates the State Water Resources Development System, known as the State Water Project, in accordance with the California Water Resources Development Bond Act to supply water to persons and entities in the state. Existing law requires the department to present to the Joint Legislative Budget Committee and relevant policy and fiscal committees of the Legislature the details of the terms and conditions of a long-term water supply contract between the department and a state water project contractor and to submit a copy of one long-term contract, as prescribed.

This bill would instead require the department to provide at least 10 days' notice to the Joint Legislative Budget Committee and relevant policy and fiscal committees of the Legislature before holding public sessions to negotiate any potential amendment of a long-term water supply contract that is of projectwide significance with substantially similar terms intended to be offered to all contractors, or that would permanently transfer a contractual water amount between contractors. The bill would require the department, before the execution of a

specified proposed amendment to a long-term water supply contract and at least 60 days before final approval of such an amendment, to submit to the Joint Legislative Budget Committee and relevant policy and fiscal committees of the Legislature certain information regarding the terms and conditions of a proposed amendment of a long-term water supply contract and to submit a copy of the long-term contract as it is proposed to be amended. The bill would prohibit the department from finally approving a long-term water supply contract for 90 days after the first hearing by the Legislature to review the proposed amendment, as specified.

(2) Existing law, the Joint Exercise of Powers Act, authorizes 2 or more public agencies to enter into an agreement to jointly exercise any power common to the contracting parties.

The bill would require a certain joint powers authority, at least 60 days before it enters into a contract for the planning, design, or construction of California WaterFix, to submit to the Joint Legislative Budget Committee and relevant policy and fiscal committees of the Legislature certain information regarding the proposed contract. The bill would prohibit the joint powers authority from finally approving a contract for 90 days after the first hearing by the Legislature to review the proposed contract.

(3) This bill would make legislative findings and declarations as to the necessity of a special statute for the Sacramento-San Joaquin Delta.

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

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

- 1 SECTION 1. Section 6525.5 is added to the Government Code,
- 2 to read:
- 3 6525.5. (a) For the purposes of this section, “joint powers
- 4 authority” means the Delta Conveyance Design and Construction
- 5 Joint Powers Authority, any successor to that authority, or any
- 6 joint powers authority created for the purposes of designing or
- 7 constructing a water conveyance in the Sacramento-San Joaquin
- 8 Delta to be owned and operated by the Department of Water
- 9 Resources.
- 10 (b) At least 60 days before the joint powers authority enters into
- 11 a contract for the planning, design, or construction of California
- 12 WaterFix, the joint powers authority shall submit to the Joint

1 Legislative Budget Committee and relevant policy and fiscal
2 committees of the Legislature information regarding the terms and
3 conditions of the proposed contract.

4 (c) If the Joint Legislative Budget Committee or relevant policy
5 and fiscal committees of the Legislature hold a hearing to review
6 a contract described in subdivision (b), the joint powers authority
7 shall not finally approve the contract for 90 days after the first
8 hearing by the Legislature to review the proposed contract.

9 SEC. 2. Section 147.5 of the Water Code is repealed.

10 ~~147.5. At least 60 days prior to the final approval of the renewal~~
11 ~~or extension of a long-term water supply contract between the~~
12 ~~department and a state water project contractor, the department~~
13 ~~shall present at an informational hearing before the Legislature~~
14 ~~the details of the terms and conditions of the contract and how~~
15 ~~they serve as a template for the remaining long-term water supply~~
16 ~~contracts. This presentation shall be made to the Joint Legislative~~
17 ~~Budget Committee and relevant policy and fiscal committees of~~
18 ~~both houses, as determined by the Speaker of the Assembly and~~
19 ~~the Senate Committee on Rules. The department shall submit a~~
20 ~~copy of one long-term contract to the Joint Legislative Budget~~
21 ~~Committee no less than 30 days prior to the scheduled hearing.~~

22 SEC. 3. Section 147.5 is added to the Water Code, to read:

23 147.5. The department shall provide at least 10 days' notice
24 to the Joint Legislative Budget Committee and relevant policy and
25 fiscal committees of the Legislature before holding public sessions
26 to negotiate any potential amendment of a long-term water supply
27 contract that is of projectwide significance with substantially
28 similar terms intended to be offered to all contractors, or that would
29 permanently transfer a contractual water amount between
30 contractors.

31 SEC. 4. Section 147.6 is added to the Water Code, to read:

32 147.6. (a) Before the execution of an amendment to a
33 long-term water supply contract described in subdivision (d) and
34 at least 60 days before final approval of such an amendment, the
35 department shall submit to the Joint Legislative Budget Committee
36 and relevant policy and fiscal committees of the Legislature
37 information regarding the terms and conditions of a proposed
38 amendment of a long-term water supply contract.

39 (b) The department shall submit the following information in
40 compliance with subdivision (a):

1 (1) A summary of the provisions of the proposed amendment.

2 (2) The estimated costs associated with the proposed
3 amendment, along with an estimate of the allocation of the costs
4 borne by each contractor.

5 (3) A copy of the long-term contract as it is proposed to be
6 amended.

7 (c) If the Joint Legislative Budget Committee or relevant policy
8 and fiscal committees of the Legislature hold a hearing to review
9 a proposed amendment described in subdivision (d), the department
10 shall not finally approve the long-term water supply contract for
11 90 days after the first hearing by the Legislature to review the
12 proposed amendment.

13 (d) (1) This section applies to a proposed amendment by the
14 department to a long-term water supply contract that is of
15 projectwide significance with substantially similar terms intended
16 to be offered to all contractors, and to a proposed contract
17 amendment that would permanently transfer a contractual water
18 amount between contractors.

19 (2) This section does not apply to an amendment for which a
20 copy of the long-term water supply contract as it was proposed to
21 be amended was submitted by the department to the Joint
22 Legislative Budget Committee in May 2018.

23 SEC. 5. The Legislature finds and declares that a special statute
24 is necessary and that a general statute cannot be made applicable
25 within the meaning of Section 16 of Article IV of the California
26 Constitution because of the unique circumstances of the
27 Sacramento-San Joaquin Delta.

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ACTION ITEM
February 20, 2019

TO: Board of Directors

FROM: **Public Affairs and Legislation Committee**
(Directors Dick, Osborne, and Thomas)

Robert Hunter
General Manager

Staff Contact: Heather Baez

**SUBJECT: ADOPT CONCURRING NOMINATION RESOLUTION FOR MESA WATER
DIRECTOR FRED BOCKMILLER – ACWA/JPIA EXECUTIVE COMMITTEE**

STAFF RECOMMENDATION

Staff recommends the Board of Directors adopt a concurring nomination resolution for Director Fred Bockmiller from Mesa Water District to be a candidate for the Association of California Water Agencies Joint Powers Insurance Authority (ACWA/JPIA) Executive Committee.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

At ACWA's Spring Conference in Monterey, there will be an Executive Committee election during the JPIA's Board of Directors' meeting to be held on May 6, 2019.

This election will fill four Executive Committee member positions, each for a four-year term each. The incumbents are E.G. "Jerry" Gladbach, Santa Clarita Valley WA; W.D. "Bill" Knutson, Yuima MWD; and Bruce Rupp, Humboldt Bay MWD. There is one vacant position.

The candidates' district must submit a nominating resolution and the candidates must also each receive concurring in nomination resolutions from three other JPIA members. Nominations and concurrent resolutions must be received by March 22, 2019.

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core X	Choice __
Action item amount: None		Line item:	
Fiscal Impact (explain if unbudgeted):			

Director Bockmiller has indicated a desire to serve as an Executive Committee member of ACWA/JPIA for the 2019-2023 term. Director Bockmiller currently represents Mesa Water District as a Board and Committee Member of the ACWA/JPIA, where he has served on the organization's Risk Management Committee for eleven years. He is asking the MWDOC Board of Directors to support him with a concurring nomination resolution.

Attached:

Letter of Request for Support from Mesa Water District
2019 JPIA Executive Committee Election Notice
Director Fred Bockmiller Biography
Concurring Resolution



*Dedicated to
Satisfying our Community's
Water Needs*

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Shawn Dewane
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Division V*

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*Vice President
Division III*

Jim Atkinson
*Director
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Fred R. Bockmiller, P.E.
*Director
Division I*

James R. Fisler
*Director
Division II*

Paul E. Shoenberger, P.E.
General Manager

Denise Garcia
District Secretary

Marwan Khalifa, CPA, MBA
District Treasurer

**Atkinson, Andelson,
Loya, Ruud & Romo**
Legal Counsel

1965 Placentia Avenue
Costa Mesa, CA 92627
tel 949.631.1200
fax 949.574.1036
info@MesaWater.org
MesaWater.org

February 1, 2019

The Honorable Brett Barbre
Board President
Municipal Water District of Orange County
18700 Ward Street
Fountain Valley, CA 92708

Dear President Barbre:

On behalf of Mesa Water District, it is an honor to request that your agency support and vote for Fred R. Bockmiller, P.E., for election to the ACWA/JPIA Executive Committee.

Director Bockmiller has served on our Board for more than two decades making fair and informed decisions that have greatly benefited Mesa Water and its constituents. Since 2006, he has been our representative on the ACWA/JPIA Board and, since 2008, he has served on ACWA/JPIA's Risk Management Committee. He also serves on the AWCA Energy Committee.

Due to his elected public service experience, community volunteer service, and his 30-year career at the University of California, Irvine, Director Bockmiller possesses the qualifications, knowledge, and understanding of the many issues facing ACWA/JPIA. Attached for your review is a Statement of Qualifications for Director Bockmiller's election to the ACWA/JPIA Executive Committee. Our Board has the highest confidence in Director Bockmiller and his proven leadership abilities that can help guide ACWA/JPIA to continued organizational success and excellence in serving to its member agencies.

If you have any questions or requests for additional information, please feel free to contact our General Manager, Paul E. Shoenberger, P.E., by calling 949.631.1206 or emailing PaulS@MesaWater.org. Thank you for your consideration in voting for Director Bockmiller.

Sincerely,

Shawn Dewane
Mesa Water Board President

C: Mesa Water Board of Directors
Paul E. Shoenberger, P.E., Mesa Water General Manager



To: JPIA Members
From: Sylvia Robinson, Publications & Web Editor
Date: January 8, 2019
Subject: 2019 JPIA Executive Committee Election Notice

There will be an Executive Committee election during the JPIA's Board of Directors' meeting to be held on May 6, 2019, at the spring conference in Monterey.

This election will fill four Executive Committee member positions, each for a four-year term each. The incumbents are E.G. "Jerry" Gladbach, Santa Clarita Valley WA; W.D. "Bill" Knutson, Yuima MWD; and Bruce Rupp, Humboldt Bay MWD. There is one vacant position.

JPIA Directors who are interested in being candidates for the election must represent a District that participates in all four of the JPIA's Programs: Liability, Property, Workers' Compensation, and Employee Benefits.

The candidates' district must submit a nominating resolution and the candidates must also each receive concurring in nomination resolutions from **three** other JPIA members. However, JPIA members may **concur** in the nomination of as many candidates as they wish.

These nominations must reach the JPIA by the close of business (4:30 pm) on **Friday, March 22, 2019**. Nominations may be mailed to the attention of Sylvia Robinson at the JPIA: P. O. Box 619082, Roseville, CA 95661-9082 or emailed to srobinson@acwajpia.com.

The nominating procedures and copies of the nominating and concurring in nomination resolutions can be found on the JPIA's website.

RESOLUTION NO. _____
RESOLUTION OF THE BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
CONCURRING IN NOMINATION OF
FRED BOCKMILLER
TO THE EXECUTIVE COMMITTEE
OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES/
JOINT POWERS INSURANCE AUTHORITY (ACWA/JPIA)

WHEREAS, this District is a member district of ACWA/JPIA; and

WHEREAS, the Bylaws of the ACWA/JPIA provide that in order for a nomination to be made to ACWA/JPIA's Executive Committee, three member districts must concur with the nominating district; and

WHEREAS, another ACWA/JPIA member district, Mesa Water District, has requested that this district concur in its nomination of its member of the ACWA/JPIA Board of Directors to the Executive Committee of the ACWA/JPIA;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Municipal Water District of Orange County that this District concur with the nomination of **Fred Bockmiller** of Mesa Water District to the Executive Committee of ACWA/JPIA.

BE IT FURTHER RESOLVED, that the District Secretary is hereby directed to transmit a certified copy of this resolution to the ACWA/JPIA at P.O. Box 619082, Roseville, CA 95661-9082.

Said Resolution was adopted, on roll call, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

I hereby certify the foregoing is a true and correct copy of Resolution No. _____ adopted by the Board of Directors of Municipal Water District of Orange County at its meeting held on February 20, 2019.

ATTEST:

Maribeth Goldsby
District Secretary

Elect Fred R. Bockmiller, P.E. to ACWA/JPIA Executive Committee

Fred R. Bockmiller, P.E. **Director, Mesa Water District**



OBJECTIVE: To further the goals of ACWA/JPIA in best serving its members, and the industry as a whole, by applying my analytical and leadership skills, and my risk management experience, as a member of the ACWA/JPIA Executive Committee.

STATEMENT OF QUALIFICATIONS:

- Mesa Water District Director, 1996-present
- Five-term Board President, Mesa Water District
- ACWA/JPIA Board, 2006-present
- ACWA/JPIA Risk Management Committee, 2008-present
- ACWA Energy Committee, 2002-present
- Chair of all various Mesa Water District Committees (Executive, Audit Ad Hoc, Finance, Human Resources, IT Ad Hoc, Engineering and Operations, Public Information)
- Engineering Manager, UC Irvine Facilities Management Department

BIOGRAPHY: A Newport-Mesa native, Fred Bockmiller represents Division 1 -- encompassing the West Side of Costa Mesa and portions of Newport Beach -- on the Mesa Water District (Mesa Water®) Board of Directors. Having been Board President for five prior terms -- in 1999, 2000, 2004, 2011, and 2012 -- Director Bockmiller currently serves as Chairman of Mesa Water's Engineering and Operations Committee.

Director Bockmiller represents Mesa Water on the Board of the Association of California Water Agencies (ACWA) Joint Powers Insurance Authority (JPIA). He also serves on the ACWA/JPIA Risk Management Committee and the ACWA Energy Committee.

Director Bockmiller has previously chaired every Mesa Water committee (Executive, Audit Ad Hoc, Finance, Human Resources, IT Ad Hoc, Engineering and Operations, and Public Information). Additionally, he has represented Mesa Water at the City/Districts Liaison Committee, Orange County Council of Governments, Orange County Water District, and the Costa Mesa Westside Revitalization Oversight Committee.

Throughout his elected service, Director Bockmiller has championed water quality and cost-efficient service reliability through a perpetual agency philosophy of long-term planning for the future of Mesa Water and continuous infrastructure maintenance, renewal, and improvement. He has been a relentless champion of high-quality, fact-based decision making.

A Professional Engineer, Director Bockmiller is the Engineering Manager in the Facilities Management Department at UC Irvine (UCI), a leader in energy conservation and construction efforts for more than 20 years, including the campus' completion of more than \$3 billion in major capital construction projects and extensive energy and water conservation retrofits, which tripled the developed building space, reduced energy consumption in laboratories by 50 percent, and decreased per capita water use by more than 30%.

Developing the next generation is an area of interest for Director Bockmiller. He is a regular guest lecturer in UCI's Department of Mechanical and Aerospace Engineering, a mentor in the Junior Mentor Program at Newport Harbor High School, and was a Board member for 17 years of the Youth Employment Service—a local charity that provides youth with the tools to find jobs.



INFORMATION ITEM

February 19, 2019

TO: Public Affairs & Legislation Committee
(Directors Dick, Thomas, Osborne)

FROM: Robert Hunter, General Manager

Staff Contact: Damon Micalizzi

SUBJECT: Water Policy Forum & Dinner - February 21, 2019

STAFF RECOMMENDATION

Staff recommends the Public Affairs & Legislation Committee: Receive and file the report.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

At the time of this report, 101 attendees have already registered for MWD OC's upcoming Water Policy Forum & Dinner, to be held on Thursday, February 21st at the Westin in Costa Mesa. This is the first of our 2019 Speakers Series focusing on water supply in California's three unique water regions, Northern, Central, and Southern California. Each region has distinct challenges and opportunities, and all effect our local water supplies here in Orange County.

This forum will take a look at issues in the Bay Delta and how decisions made can affect the reliability of nearly a third of Orange County's overall water supply. Kathy Cole, Metropolitan's longtime State Legislative Representative, will offer her insight the fate of the California WaterFix with a new Governor, and future regulations that might trickle down from the new administration. Renowned Bay Delta expert, Curt Schmutte will demonstrate the current, fragile state of the Delta and the potential risks if the WaterFix is stalled.

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



2019 WATER POLICY

— Forum & Dinner —

Speaker Series: **Bay Delta Initiatives**

Featured Speakers

KATHY COLE

Former State Legislative Representative,
Metropolitan Water District of Southern CA
&

CURT SCHMUTTE

Renowned Delta Expert and
Owner, Curt Schmutte Consulting



Newly elected Governor, Gavin Newsom comes into office with supermajorities in both houses of the legislature and with California enjoying a \$30 billion budget surplus. He also inherits a State Water Project that is in precarious shape. Salt water intrusion, sea level rise, native fish habitat, agricultural needs and environmental interests have created an unreliable water delivery system, a deteriorating ecosystem and political football for decades.

The California WaterFix is the prescribed cure for the fragile Bay Delta. Championed by former Governor Jerry Brown, WaterFix is one of the highest profile infrastructure projects in the nation, essential to secure clean water supplies for 25 million people, businesses and agriculture. However, the project did not cross the finish line before Governor Brown's term ended. What does this mean for the fate of the twin tunnels? Governor Newsom has mentioned favoring a "scaled down version" of the project. Some believe that would only derail the WaterFix. This is just one of many critical water policy issues facing the state.

Join us on Thursday, February 21, for a very special Water Policy Forum & Dinner, the first of our 2019 Speaker Series. We will begin in the North, as renowned Delta expert, Curt Schmutte will look at the instability of the Delta and what's at risk if investments are not made. Kathy Cole, the longtime State Legislative Representative, for Metropolitan Water District of Southern California, will forecast the new administration's water agenda and what recent appointments mean for future regulations.

Registration for the dinner is \$90 per person.* This price includes the pre-dinner reception, three-course dinner, and self-parking.

We look forward to seeing you there!

Sincerely,

Brett R. Barbre
Board President
Municipal Water District of Orange County

REGISTER TODAY!

www.MWDOC.com/WPD

THURSDAY

February 21st

5:30 PM - 8:00 PM

**THE WESTIN
SOUTH COAST PLAZA**

686 Anton Boulevard
Costa Mesa, CA 92626

**RESERVED TABLES
ARE AVAILABLE!**

*Reserved tables (with
company logo) are
available for 8 guests
at a cost of \$850.*

Contact Traci Muldoon:
(714) 593-5004
tmuldoon@mwdoc.com

***Register by February 15th
for the early registration rate!**

Please note that the registration fee
will increase to \$100 after this date.
Cancellations and event no shows
will be fully charged.



INFORMATION ITEM
February 19, 2019

TO: **Public Affairs & Legislation Committee**
(Directors Dick, Thomas, Osborne)

FROM: **Robert Hunter, General Manager**

Staff Contact: Damon Micalizzi

SUBJECT: 2019 OC Water Summit (May 31, 2019)

STAFF RECOMMENDATION

Staff recommends the Public Affairs & Legislation Committee: Receive and file the report.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

NBC 4 Weatherman, Fritz Coleman is confirmed to emcee the 12th Annual OC Water Summit, which will be held at the Disneyland Resort's Grand Californian Hotel on Friday May 31, 2019.

Orange County Water District is the lead agency for this year's event. Staff from both OCWD and MWD OC continue to book speakers and sponsors for the Summit themed "Under the Microscope," with sessions exploring contaminants of emerging concern such as PFOA, PFOS, and microplastics, and state and federal advisories and mandates related to regulating water quality. Other sessions will look at the history of water in Orange County and what may be in store for the future, a look at issues on the Colorado River, and a closer look at whether perpetual wildfires in California are a water or forest management issue.

Governor Gavin Newsome has yet to respond to his invitation to give the keynote address.

This year's sponsorship brochure is included in this report.

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

Thank You to our 2018 Sponsors

For joining us to discuss water issues in Southern California!

LUNCHEON SPONSOR

Mesa Water District

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Irvine Ranch Water District

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Rutan & Tucker, LLP; Santa Margarita Water District; Southern California Gas Company;
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BREAKFAST SPONSORS

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North Orange County Chamber

Orange County Water District Municipal Water District of Orange County
18700 Ward Street, Fountain Valley, CA 92708 — 714.378.3200 — 714.963.3058
www.OCWD.com www.OCWaterSummit.com www.MWDOC.com



May 31, 2019

7:30am - 1:30pm

Grand Californian
Hotel and Spa

Disneyland Resort,
Anaheim



Sponsorship
Opportunities

www.OCWaterSummit.com

WATER Under the Microscope

When water is readily available without interruption, most people don’t give it a second thought. Water issues such as chronic droughts, conservation mandates, strict environmental protections, water quality problems, severe storms, floods, and increased water rates, are making a greater impact on more households and businesses. This prompts more interest and sometimes scrutiny of the water industry by consumers and the media.

Join nearly 400 business professionals, elected officials, water industry experts, and scholars for the **12th Annual OC Water Summit: WATER Under the Microscope** as we focus on the many facets of water management and take a closer look at the challenges and competing interests shaping local, state, national, and international water supplies.

About the OC Water Summit

Currently in its 12th year, the OC Water Summit is an innovative, interactive forum that brings together hundreds of business professionals, elected officials, water industry stakeholders, and community leaders from throughout Southern California and beyond.

Co-hosted by the **Orange County Water District (OCWD)** and **Municipal Water District of Orange County (MWDOC)**, this one-of-a-kind event engages participants in discussion on new and ongoing water supply challenges, water policy issues, and other important topics that impact our economy and public health.

Prominent authors, world-renowned experts and distinguished speakers will deliver presentations and engage in dialogue with participants on these critical issues. By sponsoring the **OC Water Summit**, you are investing in water reliability for Southern California. A variety of sponsorship opportunities are available to meet your organization’s strategic goals. Please visit **www.OCWaterSummit.com** for more information.

Sponsorship Information

We are currently seeking sponsorships from organizations like yours for our 2019 event.

For your convenience, you may complete the Sponsorship Commitment Form online at **www.OCWaterSummit.com**.

Please complete your sponsorship commitment form no later than **Monday, April 29, 2019** to guarantee inclusion in all of the sponsorship benefits.

Send a high-resolution electronic version of your logo to **Crystal Nettles** at **cnettles@ocwd.com**. EPS, PDF or AI file formats are preferred for best image quality.

Payments may be made via credit card or check. Please make checks payable to **“OCWD for OC Water Summit”** and mail to OCWD Attention: OC Water Summit, 18700 Ward Street, Fountain Valley, CA 92708

Questions? Contact:
Crystal Nettles (714) 378-3202, **cnettles@ocwd.com**
Tiffany Baca (714) 593-5013, **tbaca@mwdoc.com**



HOSTED BY

Sponsor Levels

Luncheon \$7,500*	Program \$6,000*	Session \$2,500*	Associate \$2,000**	Table \$1,600	Breakfast \$1,200	Exhibit Table \$1,000
Opportunity to have a promotional item distributed to each guest attending the Summit						
Logo featured on Summit lunch tickets						
Opportunity to host an exhibit table at the Summit						
Logo featured in the printed Summit program						
Name featured in the printed Summit program						
Logo featured on event website, www.ocwatersummit.com						
Name featured on event website, www.ocwatersummit.com						
Logo featured on slides during the program						
Full-page color advertisement on the back cover of the Summit program (This is the ONLY ad space in the program)						
Table for eight at Summit with logo on table signs						
Two complimentary tickets to the Summit						
Signage located at buffet stations featuring company name and logo						
*Limited to One Sponsor, **Limited to One Sponsor per Session (3 - 4 sessions available)						



INFORMATION ITEM
February 19, 2019

TO: **Public Affairs & Legislation Committee**
(Directors Dick, Thomas, Osborne)

FROM: **Robert Hunter, General Manager**

Staff Contact: Sarah Wilson

SUBJECT: **Education Programs Update**

STAFF RECOMMENDATION

Staff recommends the Public Affairs & Legislation Committee: Receive and file this report.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

Contractors for the Municipal Water District of Orange County's (MWDOC) water education programs continue to schedule visits for the 2018/19 school year. The following reports are included: Elementary Education Student Counts and the "What About Water" High School Program report.

Per the request of Director Dick at the January 2019 Public Affairs & Legislation Committee meeting, samples of the pre- and post-test questions for both the Elementary and High School programs are attached to this report.

Additionally, after completing a three-year contract and one-year extension, the MWDOC Water Education School Programs will be going out to bid for implementation of services for the 2019/20 school year.

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

The primary goal for both the Elementary and High School programs is to provide comprehensive instruction on the science, geography, economics, and history of Orange County water. These goals are measured through pre- and post-test metrics.

Elementary School Program

- **Goal 1:** Students will understand the importance of water as it relates to the local climate and ecosystem.
- **Goal 2:** Students will be able to identify California water sources and understand the challenges in delivering a reliable source of drinking water to Orange County.
- **Goal 3:** Students will recognize and have the necessary resources to apply water efficient practices at home and in the community.

The following keypad response data demonstrates the average increase in student understanding after attending the December 2018 Elementary School Program assemblies:

- **First Grade:** Students are tested on the water cycle and how plants use water, carbon dioxide, and sunlight. Students demonstrated a **10.17%** average increase in understanding from the pre- to post-test.
- **Second Grade:** Students are tested on where water is found in nature and the ways in which nature cleans our water. Students demonstrated a **9.49%** average increase in understanding from the pre- to post-test.
- **Third Grade:** Students are tested on local climate and the ability of plants and organisms to survive in a particular climate. Students demonstrated a **13.45%** average increase in understanding from the pre- to post-test.
- **Fourth Grade:** Students are tested on the local ecosystem, water sources, and water use efficiency. Students demonstrated a **33.35%** average increase in understanding from the pre- to post-test.
- **Fifth Grade:** Students are tested on how the water cycle cleans and recycles freshwater supply and water use efficiency. Students demonstrated a **35.52%** average increase in understanding from the pre- to post-test.
- **Sixth Grade:** Students are tested on the forces that drive the water cycle and factors that influence the growth of organisms in our local area. Students demonstrated a **27.25%** average increase in understanding from the pre- to post-test.

This is the first year incorporating the Next Generation Science Standards into the curriculum. The 2018/19 school year is a baseline year in which to compare future school year's data. Several factors can affect the keypad response data including attendance numbers, attention span, retention rate, and language barriers. Discovery Cube will assess the entire year as a whole before adjusting the questions or teaching style.

High School Program

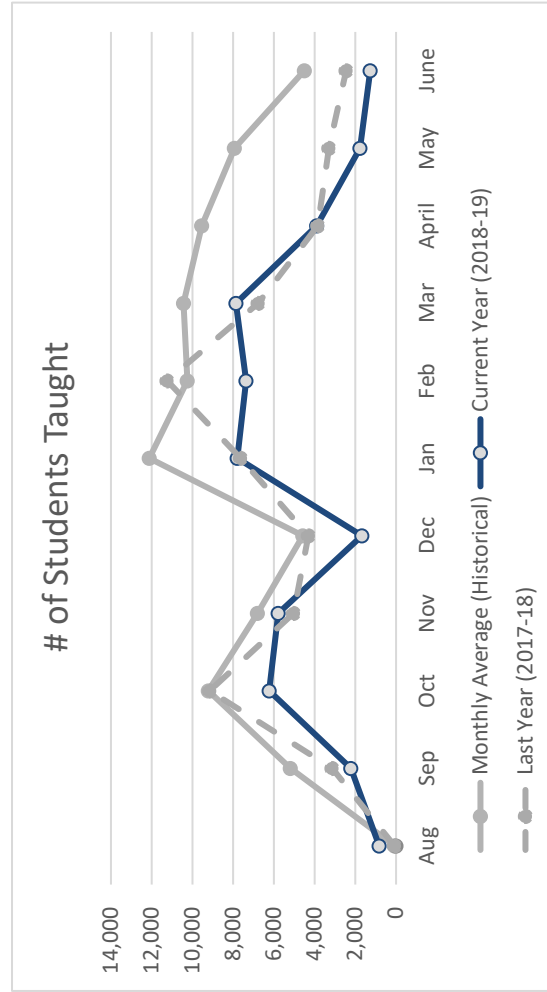
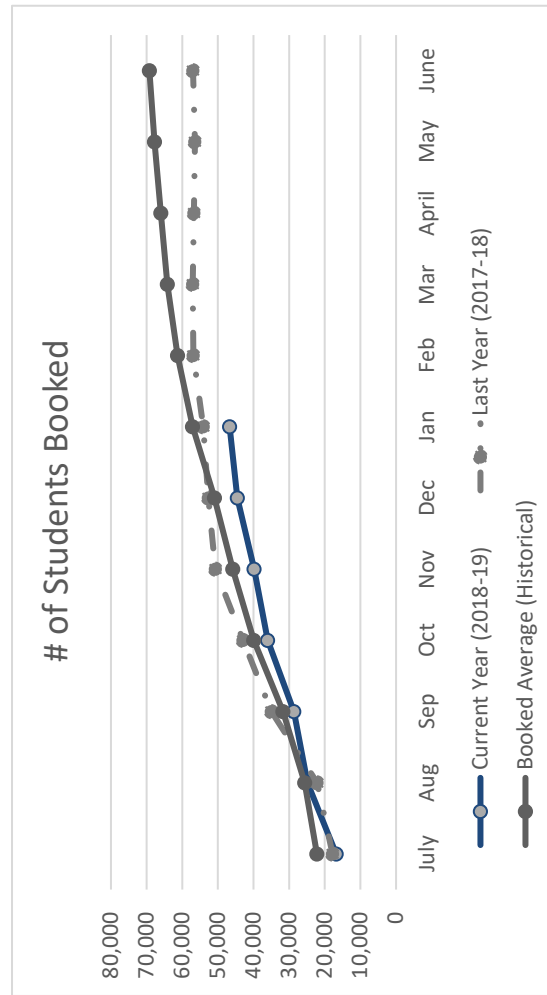
- **Goal 1:** Students will be able to identify California water sources and understand the challenges in delivering a reliable source of drinking water to Orange County.
- **Goal 2:** Students will understand local water policy and reliability issues and be able to debate the merits of a current or proposed policy or project.
- **Goal 3:** Students will recognize and have the necessary resources to apply water efficient practices at home and in the community.

The following keypad response data demonstrates the average increase in student understanding after attending the 2018/19 High School Program classroom visits. Students are tested on water supply sources, local climate, and water use efficiency.

- **Anaheim High School:** Students demonstrated a **23.93%** average increase in understanding from the pre- to post-test.
- **Columbus Tustin Middle School:** Students demonstrated a **21.75%** average increase in understanding from the pre- to post-test.
- **Dana Hills High School:** Students demonstrated a **11.09%** average increase in understanding from the pre- to post-test.
- **Laguna Hills High School:** Students demonstrated a **18.10%** average increase in understanding from the pre- to post-test.

2018-19 Water Education School Program

# of Students Booked		July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	Target
Booked Average (Historical)		22,206	25,634	31,729	39,925	45,814	50,938	57,082	61,319	64,177	66,001	67,758	69,213	71,394
Last Year (2017-18)		17,823	22,162	34,981	42,926	50,696	52,682	54,111	56,887	57,056	56,720	56,445	56,994	62,035
Current Year (2018-19)		16,801	24,868	28,668	36,007	39,820	44,521	46,703						63,084
# of Students Taught		July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	Total
Monthly Average (Historical)		-	71	5,190	9,216	6,805	4,576	12,117	10,250	10,435	9,542	7,935	4,502	80,639
Last Year (2017-18)		0	77	3,144	9,149	5,033	4,305	7,634	11,242	6,771	3,840	3,296	2,453	56,944
Current Year (2018-19)		0	829	2,220	6,230	5,787	1,676	7,795	7,363	7,863	3,896	1,773	1,271	46,703

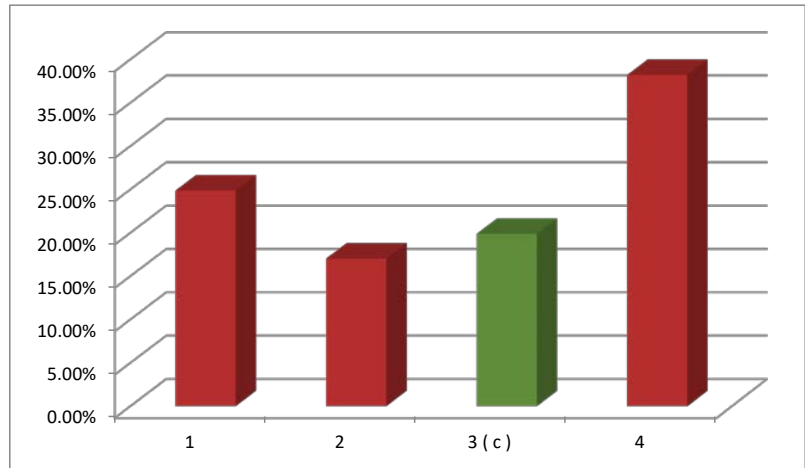


Pre-Test Results by Question

First Grade

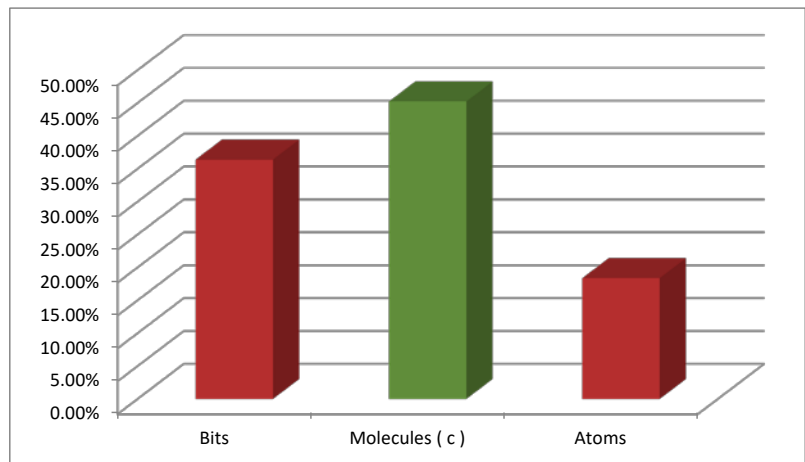
1. How many states of matter can water take? (Multiple Choice)

Responses	
	Percent
1	24.88%
2	17.02%
3 (c)	19.88%
4	38.21%
Totals	100%



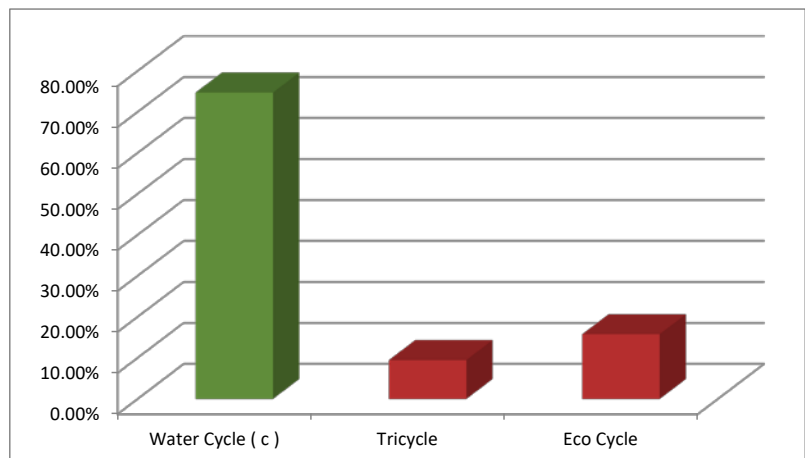
2. What do we call the tiniest pieces of water? (Multiple Choice)

Responses	
	Percent
Bits	36.40%
Molecules (c)	45.23%
Atoms	18.37%
Totals	100%



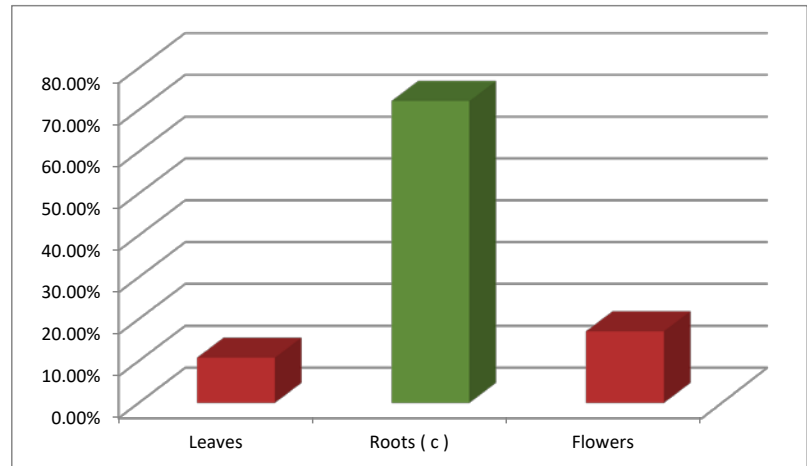
3. When water circulates through nature, we call it the: (Multiple Choice)

Responses	
	Percent
Water Cycle (c)	74.74%
Tricycle	9.47%
Eco Cycle	15.79%
Totals	100%



4. What part of a plant pulls in water from the soil? (Multiple Choice)

Responses	
Percent	
Leaves	10.77%
Roots (c)	72.13%
Flowers	17.10%
Totals	100%

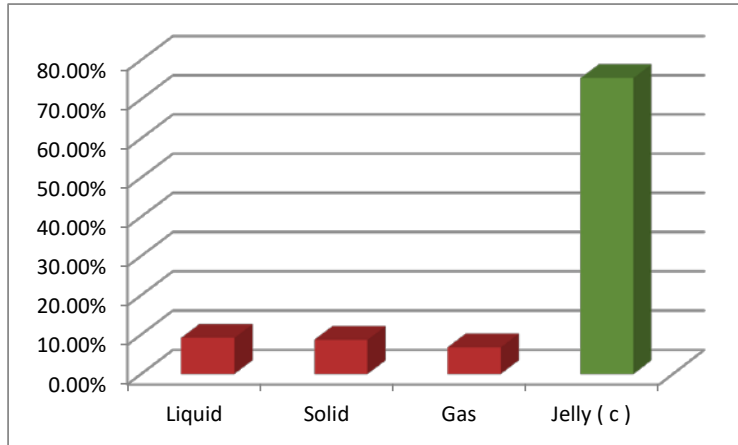


Post-Test Results by Question

First Grade

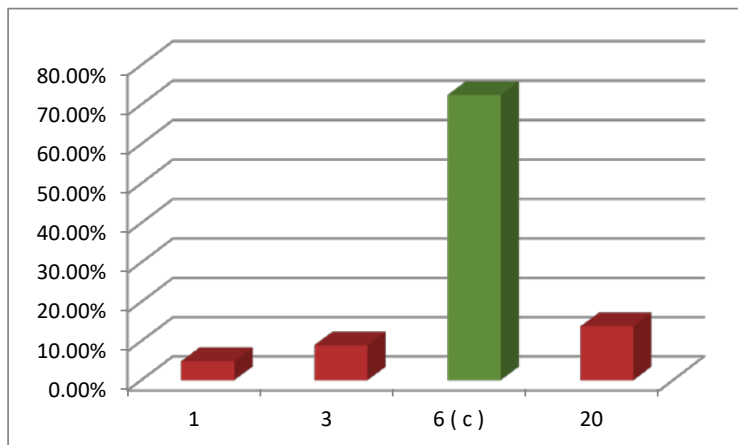
5. Which of these is not a state of water? (Multiple Choice)

Responses	
	Percent
Liquid	9.16%
Solid	8.67%
Gas	6.75%
Jelly (c)	75.42%
Totals	100%



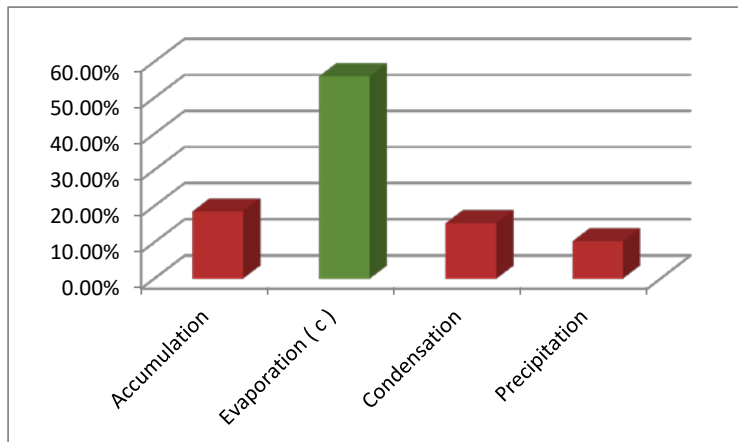
6. How many water molecules come together to form solid water? (Multiple Choice)

Responses	
	Percent
1	4.85%
3	8.94%
6 (c)	72.41%
20	13.79%
Totals	100%



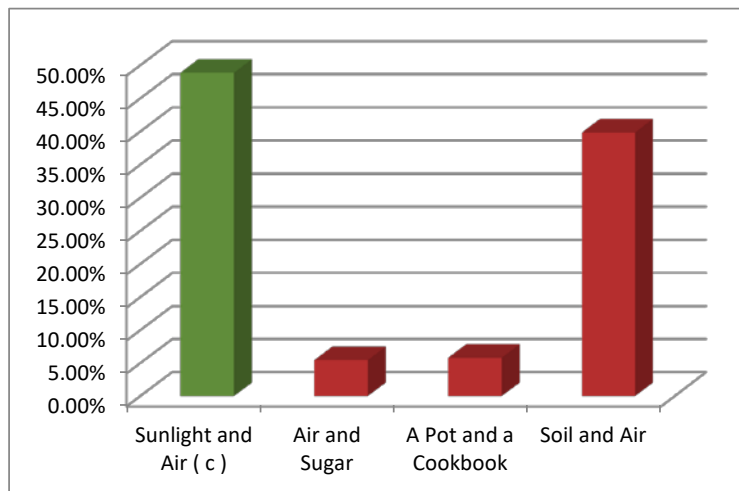
7. In the Water Cycle, the step where liquid water heats up and turns into a gas is called: (Multiple Choice)

Responses	
	Percent
Accumulation	18.48%
Evaporation (c)	55.94%
Condensation	15.30%
Precipitation	10.28%
Totals	100%



8. Other than water, what does a plant need to make food: (Multiple Choice)

Responses	
	Percent
Sunlight and Air (c)	48.87%
Air and Sugar	5.46%
A Pot and a Cookbook	5.81%
Soil and Air	39.86%
Totals	100%

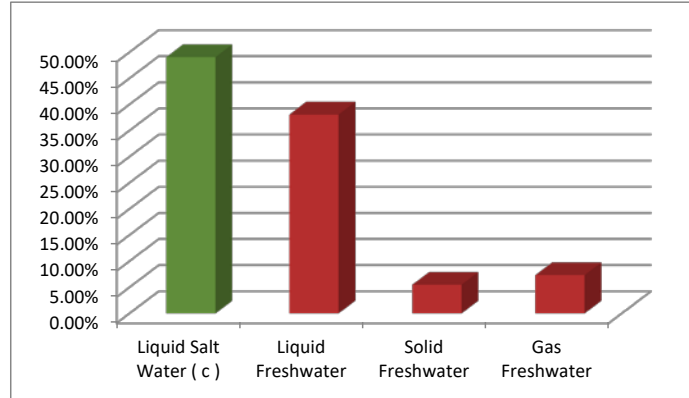


Pre-Test Results by Question

Second Grade

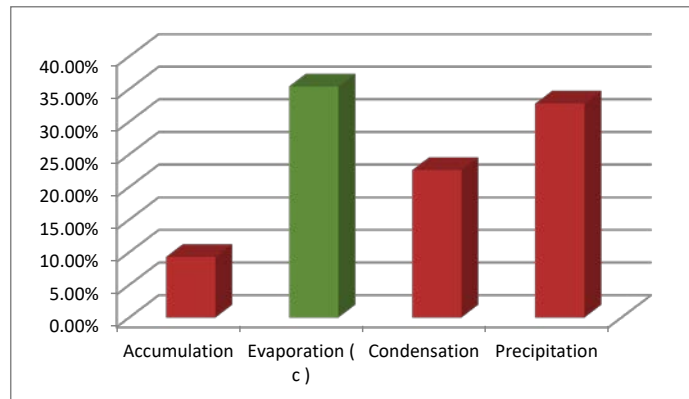
1. Most of the water on Earth is: (Multiple Choice)

Responses	
Percent	
Liquid Salt Water (c)	49.08%
Liquid Freshwater	38.07%
Solid Freshwater	5.50%
Gas Freshwater	7.34%
Totals	100%



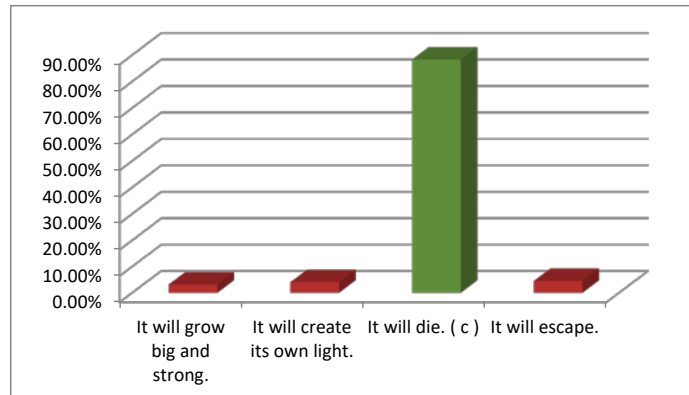
2. Which step of the Water Cycle cleans our water supply? (Multiple Choice)

Responses	
Percent	
Accumulation	9.29%
Evaporation (c)	35.40%
Condensation	22.57%
Precipitation	32.74%
Totals	100%



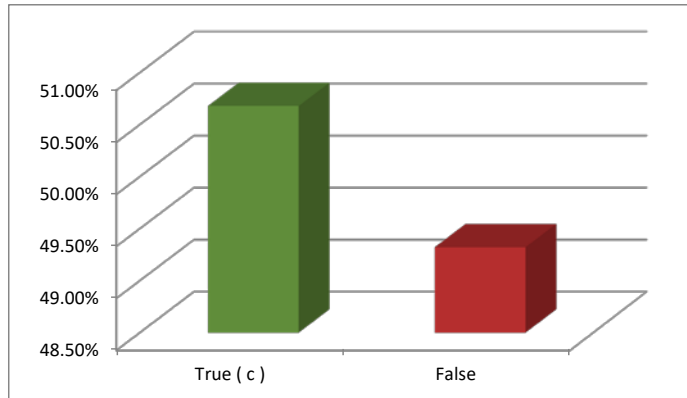
3. What will happen to a plant if it is kept in the dark without sunlight? (Multiple Choice)

Responses	
Percent	
It will grow big and strong.	3.15%
It will create its own light.	4.05%
It will die. (c)	88.29%
It will escape.	4.50%
Totals	100%



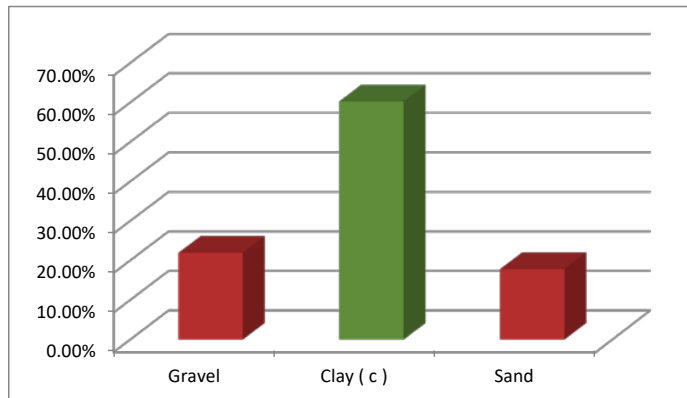
4. True or False: Plants are able to clean water. (True / False)

Responses	
Percent	
True (c)	50.68%
False	49.32%
Totals	100%



5. What type of soil does not let water flow through it very well? (Multiple Choice)

Responses	
Percent	
Gravel	21.92%
Clay (c)	60.27%
Sand	17.81%
Totals	100%

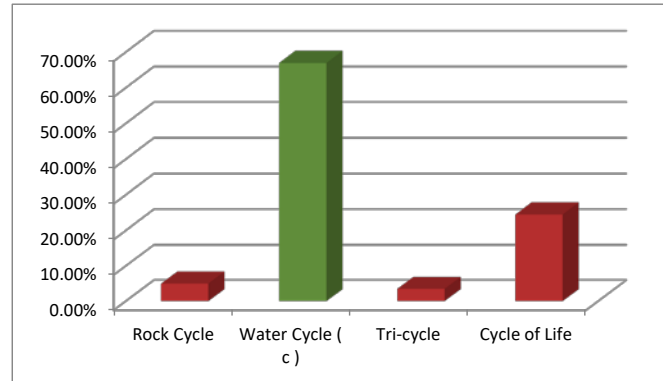


Post-Test Results by Question

Second Grade

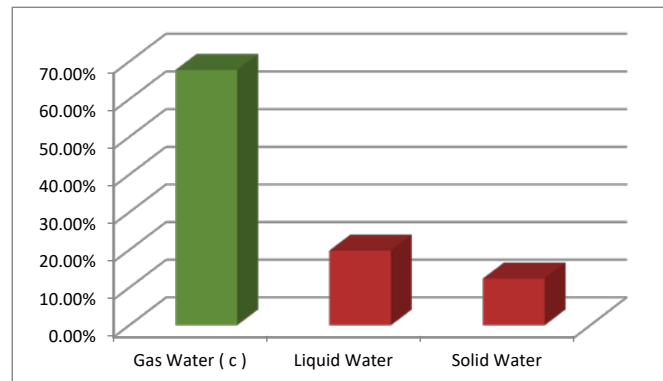
6. When water circulates through nature, we call that the: (Multiple Choice)

Responses	
Percent	
Rock Cycle	5.00%
Water Cycle (c)	67.00%
Tri-cycle	3.50%
Cycle of Life	24.50%
Totals	100%



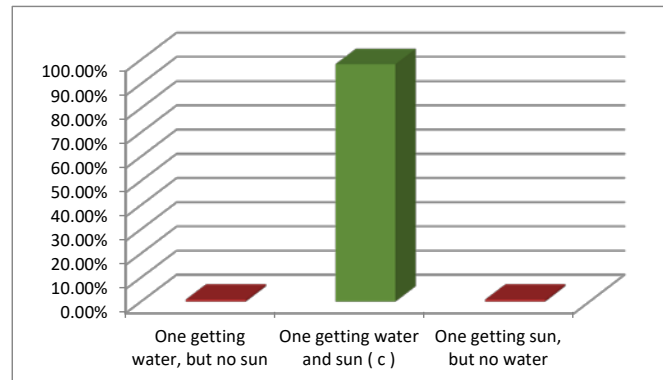
7. What state of water is always the cleanest form? (Multiple Choice)

Responses	
Percent	
Gas Water (c)	67.74%
Liquid Water	19.82%
Solid Water	12.44%
Totals	100%



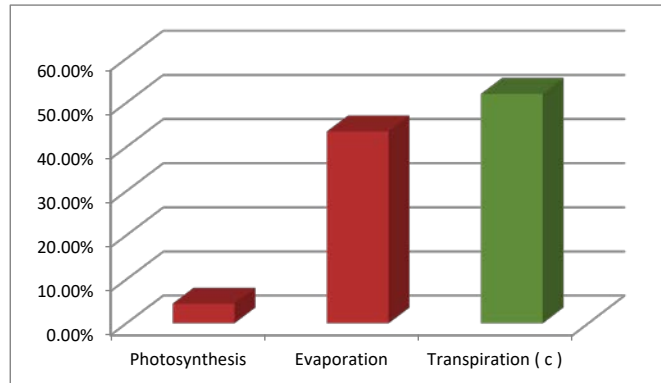
8. Which plant will be the healthiest? (Multiple Choice)

Responses	
Percent	
One getting water, but no sun	0.90%
One getting water and sun (c)	98.19%
One getting sun, but no water	0.90%
Totals	100%



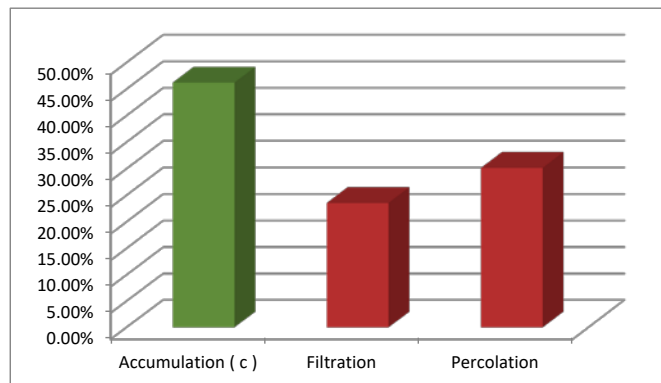
9. The process by which plants clean our water is called: (Multiple Choice)

Responses	
Percent	
Photosynthesis	4.48%
Evaporation	43.50%
Transpiration (c)	52.02%
Totals	100%



10. Which of these does not describe water seeping through the spaces in our soil? (Multiple Choice)

Responses	
Percent	
Accumulation (c)	46.23%
Filtration	23.58%
Percolation	30.19%
Totals	100%

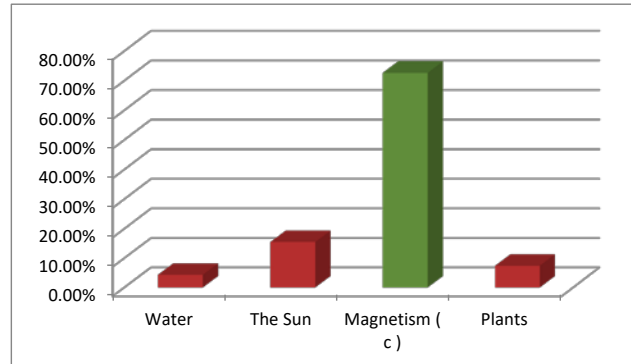


Pre-Test Results by Question

Third Grade

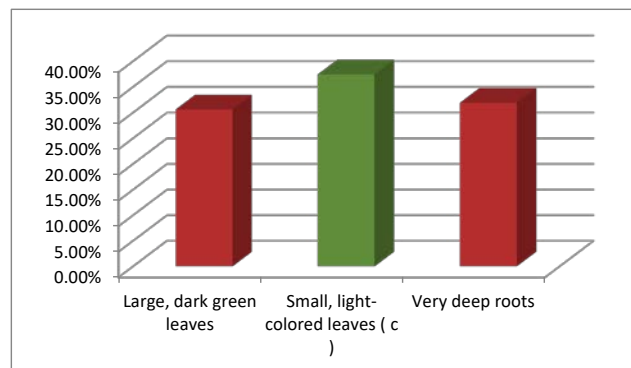
1. Which of these is not part of an ecosystem? (Multiple Choice)

Responses	
Percent	
Water	4.35%
The Sun	15.53%
Magnetism (c)	72.67%
Plants	7.45%
Totals	100%



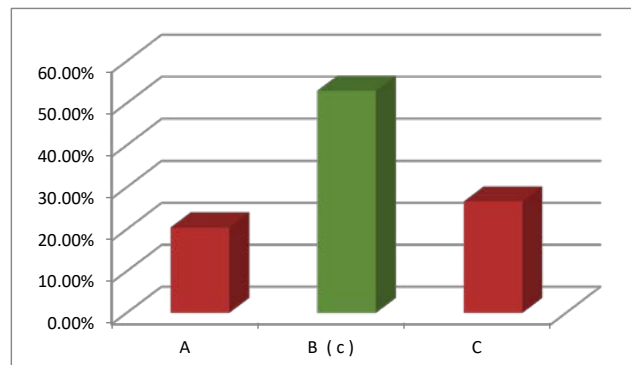
2. You can recognize a California-friendly plant because it tends to have: (Multiple Choice)

Responses	
Percent	
Large, dark green leaves	30.62%
Small, light-colored leaves (c)	37.46%
Very deep roots	31.92%
Totals	100%



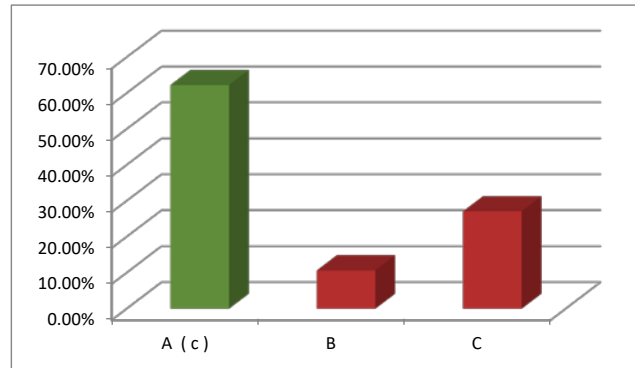
3. Which letter on the California map points to the Central Valley? (Multiple Choice)

Responses	
Percent	
A	20.43%
B (c)	52.94%
C	26.63%
Totals	100%



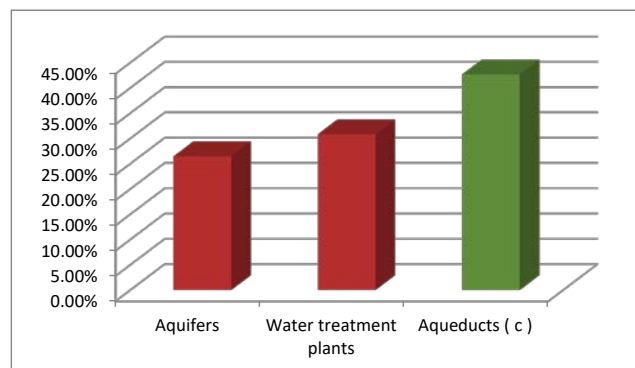
4. Which letter on the California map points to the San Francisco Bay Delta? (Multiple Choice)

Responses	
Percent	
A (c)	62.26%
B	10.65%
C	27.10%
Totals	100%



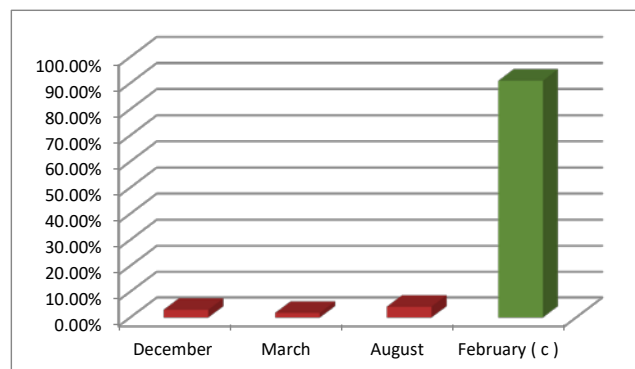
5. What carries water from other places into Southern California? (Multiple Choice)

Responses	
Percent	
Aquifers	26.48%
Water treatment plants	30.84%
Aqueducts (c)	42.68%
Totals	100%



6. Based on this chart, which month usually has the most rainfall? (Multiple Choice)

Responses	
Percent	
December	3.01%
March	1.81%
August	4.22%
February (c)	90.96%
Totals	100%

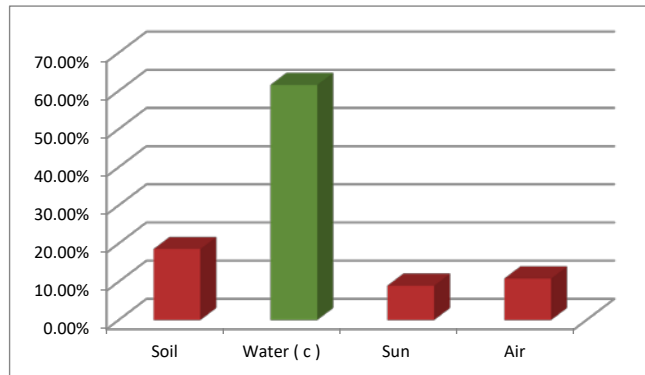


Post-Test Results by Question

Third Grade

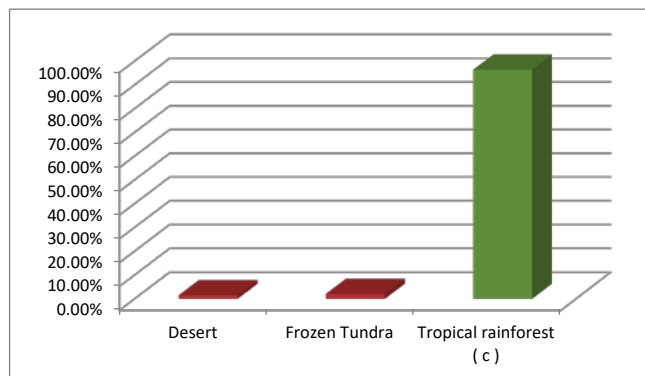
7. What non-living part of our ecosystem is the most limited? (Multiple Choice)

Responses	
	Percent
Soil	18.58%
Water (c)	61.61%
Sun	8.98%
Air	10.84%
Totals	100%



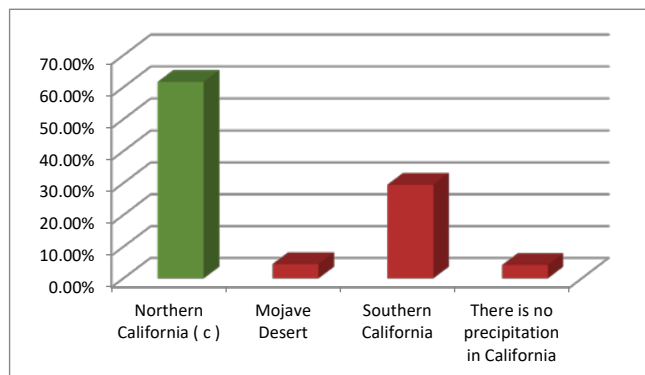
8. By the appearance of this plant's leaves, where would it naturally grow? (Multiple Choice)

Responses	
	Percent
Desert	1.50%
Frozen Tundra	2.10%
Tropical rainforest (c)	96.41%
Totals	100%



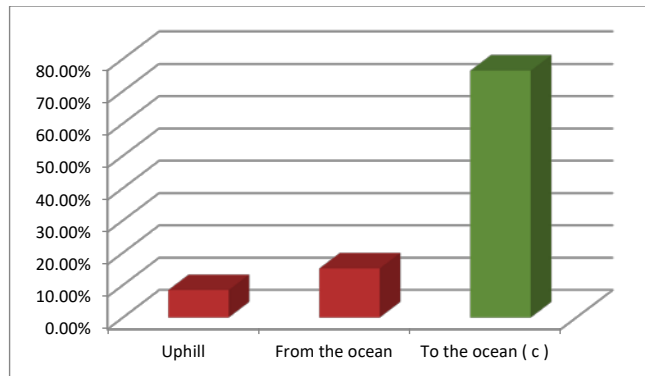
9. What part of California gets the most annual precipitation? (Multiple Choice)

Responses	
	Percent
Northern California (c)	61.70%
Mojave Desert	4.56%
Southern California	29.48%
There is no precipitation in California	4.26%
Totals	100%



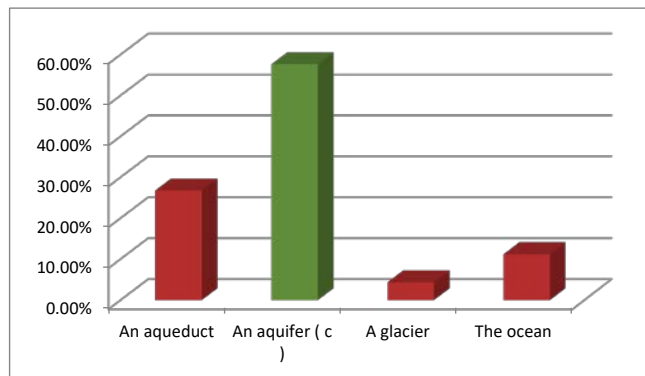
10. The water flowing through the San Francisco Bay Delta is moving: (Multiple Choice)

Responses	
	Percent
Uphill	8.48%
From the ocean	15.15%
To the ocean (c)	76.36%
Totals	100%



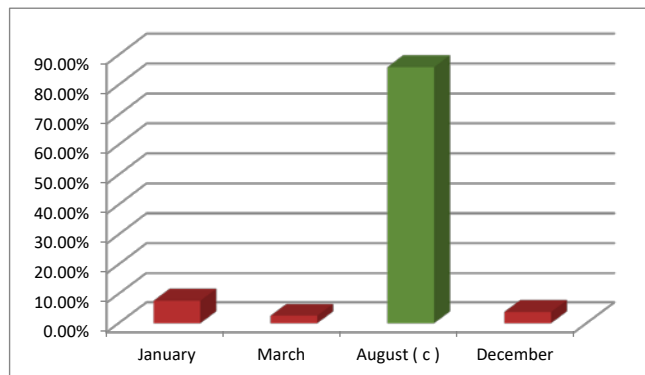
11. Our local groundwater is found in: (Multiple Choice)

Responses	
	Percent
An aqueduct	26.79%
An aquifer (c)	57.63%
A glacier	4.36%
The ocean	11.21%
Totals	100%



12. Based on this chart, which month usually has the least rainfall? (Multiple Choice)

Responses	
	Percent
January	7.67%
March	2.56%
August (c)	85.94%
December	3.83%
Totals	100%

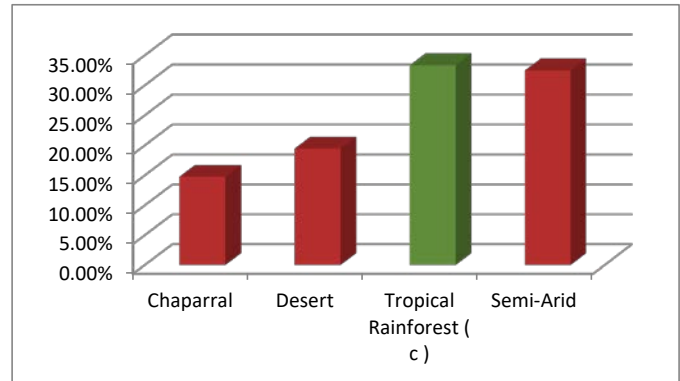


Pre-Test Results by Question

Fourth Grade

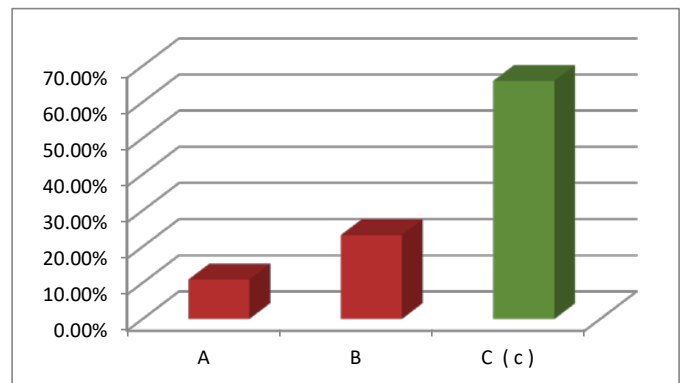
1. Which of these is not a Southern California ecosystem? (Multiple Choice)

Responses	
Percent	
Chaparral	14.76%
Desert	19.44%
Tropical Rainforest (c)	33.33%
Semi-Arid	32.47%
Totals	100%



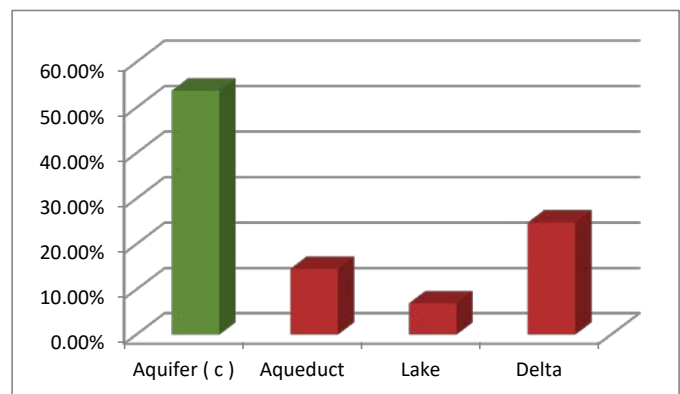
2. Which letter on the California map points to the Sierra Nevada Mountains? (Multiple Choice)

Responses	
Percent	
A	10.89%
B	23.21%
C (c)	65.89%
Totals	100%



3. What do we call the spaces underground where water is stored? (Multiple Choice)

Responses	
Percent	
Aquifer (c)	53.74%
Aqueduct	14.59%
Lake	6.94%
Delta	24.73%
Totals	100%

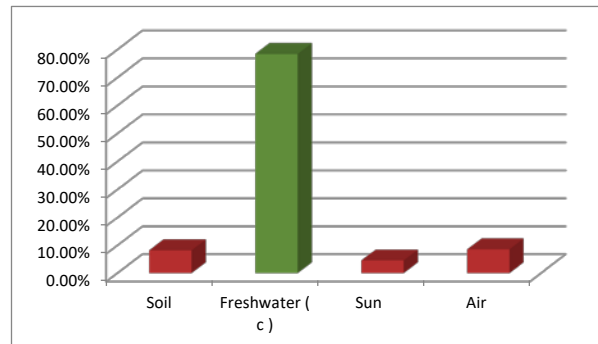


Post-Test Results by Question

Fourth Grade

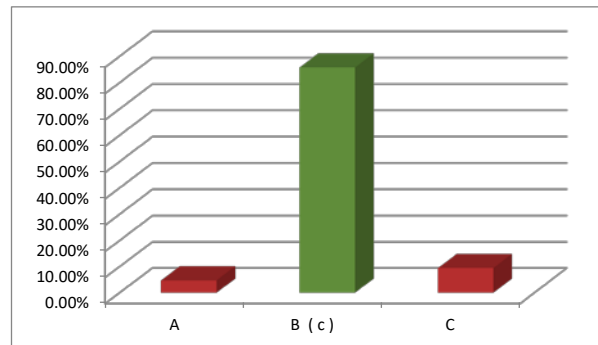
4. What non-living part of our ecosystem is the most limited? (Multiple Choice)

Responses	
	Percent
Soil	8.29%
Freshwater (c)	78.48%
Sun	4.59%
Air	8.64%
Totals	100%



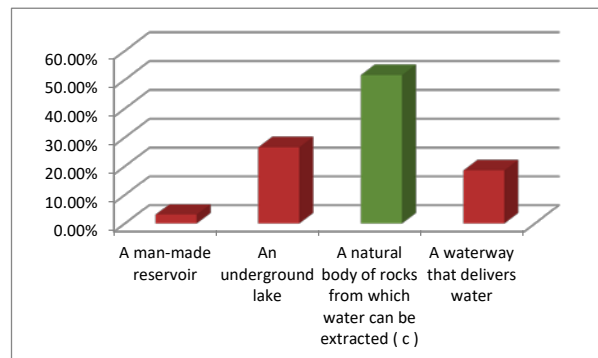
5. Which letter on the California map points to the Central Valley? (Multiple Choice)

Responses	
	Percent
A	4.75%
B (c)	85.76%
C	9.49%
Totals	100%



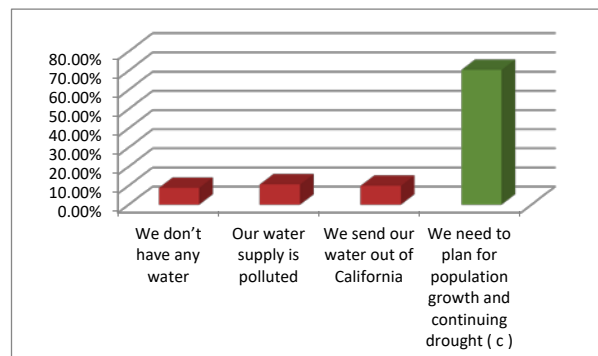
6. An aquifer is: (Multiple Choice)

Responses	
	Percent
A man-made reservoir	3.13%
An underground lake	26.61%
A natural body of rocks from which water can be extracted (c)	51.65%
A waterway that delivers water	18.61%
Totals	100%



7. Water conservation is important because: (Multiple Choice)

Responses	
	Percent
We don't have any water	8.88%
Our water supply is polluted	10.69%
We send our water out of California	9.96%
We need to plan for population growth and continuing drought (c)	70.47%
Totals	100%

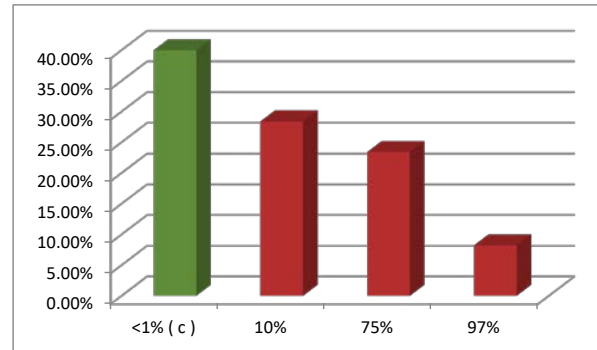


Pre-Test Results by Question

Fifth Grade

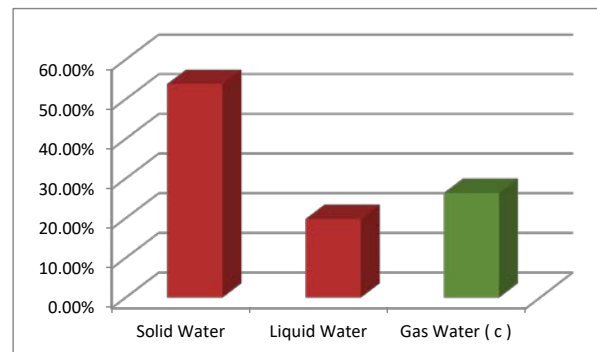
1. What percent of the water on Earth is available freshwater? (Multiple Choice)

Responses	
Percent	
<1% (c)	39.98%
10%	28.39%
75%	23.41%
97%	8.22%
Totals	100%



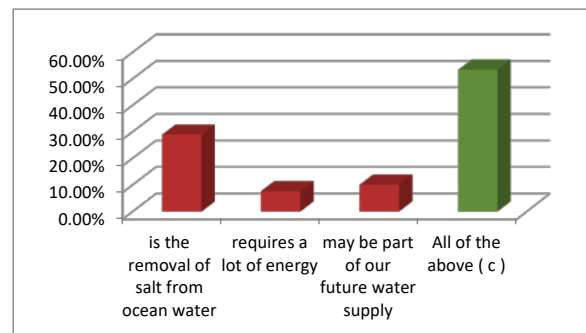
2. Once a cloud is formed, it does not contain which of the following: (Multiple Choice)

Responses	
Percent	
Solid Water	53.85%
Liquid Water	19.80%
Gas Water (c)	26.36%
Totals	100%



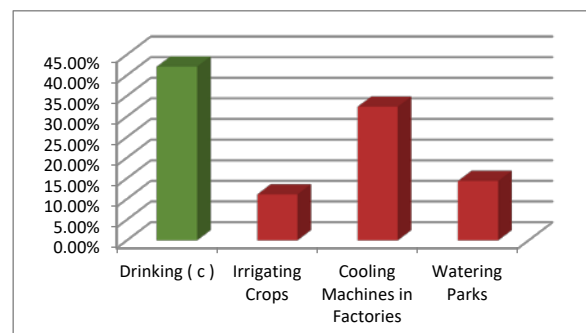
3. Desalination: (Multiple Choice)

Responses	
Percent	
is the removal of salt from ocean water	28.93%
requires a lot of energy	7.61%
may be part of our future water supply	10.03%
All of the above (c)	53.43%
Totals	100%



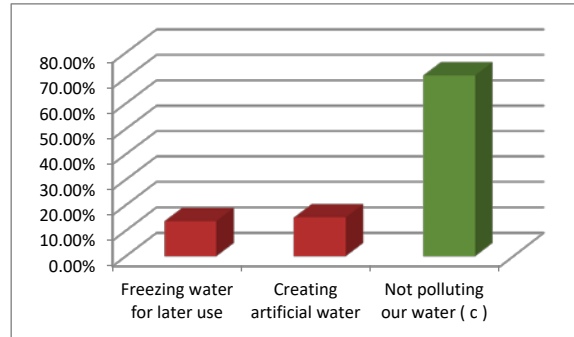
4. Recycled water can be used for all of the following, except: (Multiple Choice)

Responses	
Percent	
Drinking (c)	42.13%
Irrigating Crops	11.13%
Cooling Machines in Factories	32.38%
Watering Parks	14.38%
Totals	100%



5. When we talk about water preservation, we mean: (Multiple Choice)

Responses	
	Percent
Freezing water for later use	13.75%
Creating artificial water	15.18%
Not polluting our water (c)	71.08%
Totals	100%

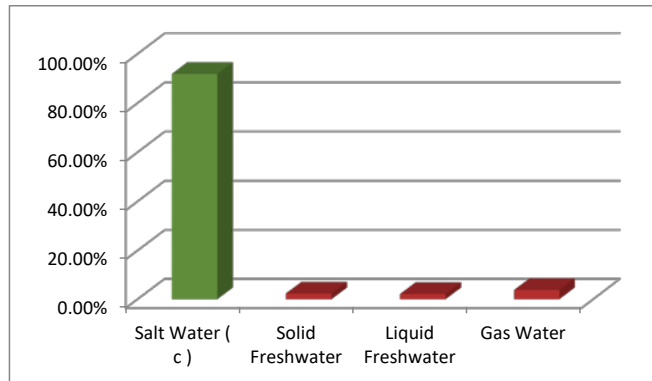


Post-Test Results by Question

Fifth Grade

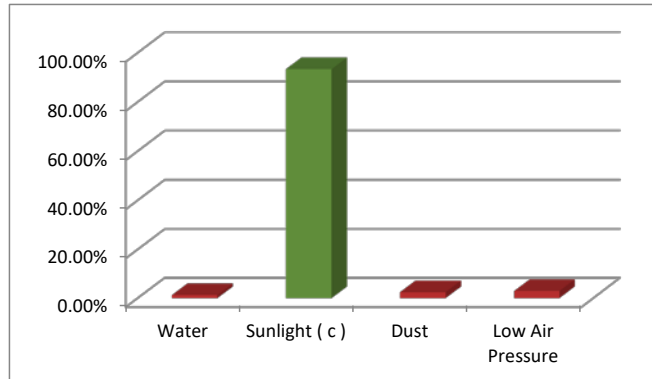
6. What sort of water makes up most of the water on Earth? (Multiple Choice)

Responses	
Percent	
Salt Water (c)	91.81%
Solid Freshwater	2.32%
Liquid Freshwater	2.08%
Gas Water	3.79%
Totals	100%



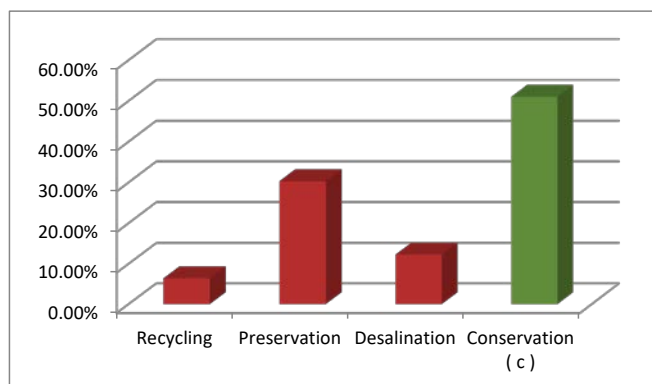
7. Which of these is not needed to form a cloud? (Multiple Choice)

Responses	
Percent	
Water	1.23%
Sunlight (c)	93.37%
Dust	2.46%
Low Air Pressure	2.95%
Totals	100%



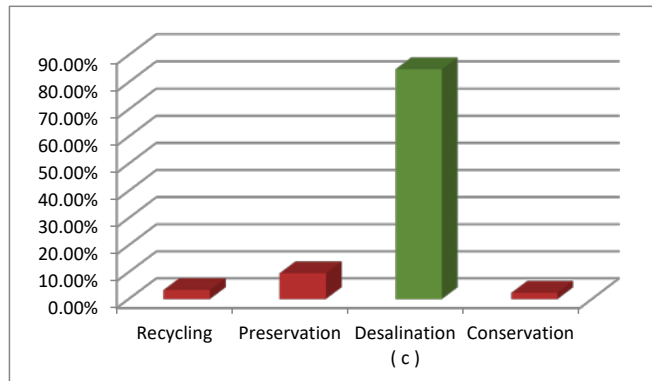
8. When we use less water, we call that: (Multiple Choice)

Responses	
Percent	
Recycling	6.38%
Preservation	30.31%
Desalination	12.27%
Conservation (c)	51.04%
Totals	100%



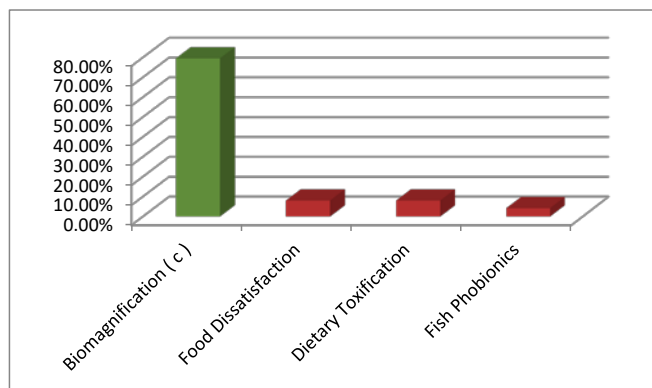
9. The process used to remove salt from water is called: (Multiple Choice)

Responses	
	Percent
Recycling	3.35%
Preservation	9.54%
Desalination (c)	84.76%
Conservation	2.35%
Totals	100%



10. When pollutants move through the food chain, we call that: (Multiple Choice)

Responses	
	Percent
Biomagnification (c)	79.58%
Food Dissatisfaction	8.09%
Dietary Toxicification	8.09%
Fish Phobionics	4.23%
Totals	100%

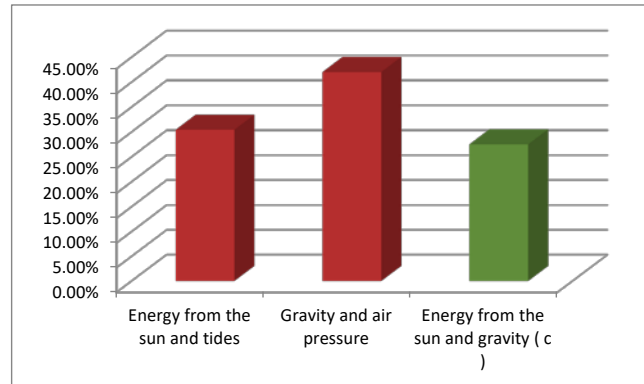


Pre-Test Results by Question

Sixth Grade

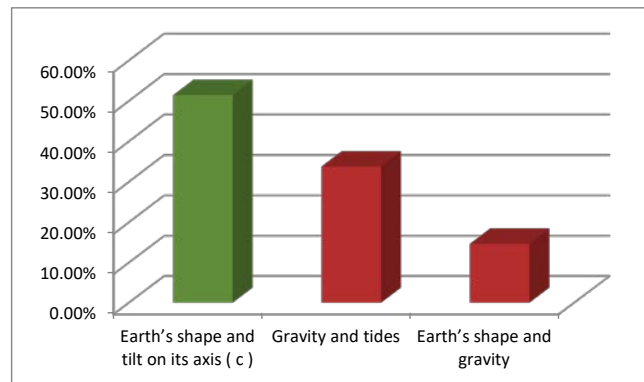
1. Which factors help to cycle water through Earth's systems? (Multiple Choice)

Responses	
Percent	
Energy from the sun and tides	30.43%
Gravity and air pressure	42.03%
Energy from the sun and gravity (c)	27.54%
Totals	100%



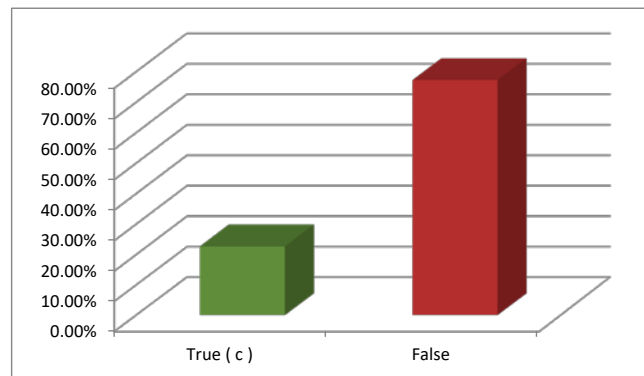
2. Regional climates on Earth are most influenced by which of the following two factors? (Multiple Choice)

Responses	
Percent	
Earth's shape and tilt on its axis (c)	51.47%
Gravity and tides	33.82%
Earth's shape and gravity	14.71%
Totals	100%



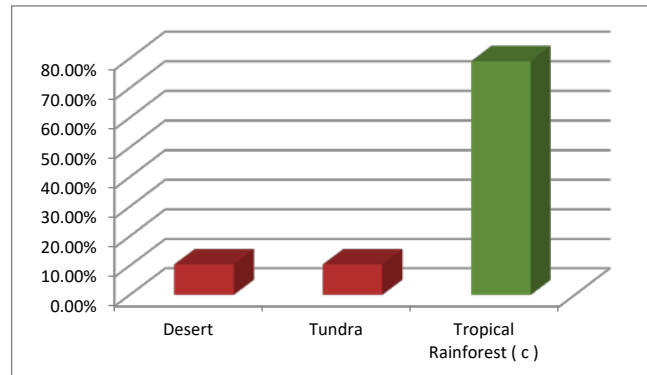
3. True or False: This plant will grow well without frequent watering in Southern California. (True / False)

Responses	
Percent	
True (c)	22.73%
False	77.27%
Totals	100%



4. This type of plant will grow best in which of the following ecosystems? (Multiple Choice)

Responses	
	Percent
Desert	10.45%
Tundra	10.45%
Tropical Rainforest (c)	79.10%
Totals	100%

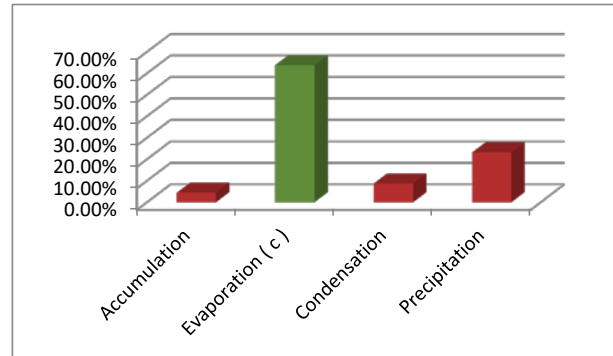


Post-Test Results by Question

Sixth Grade

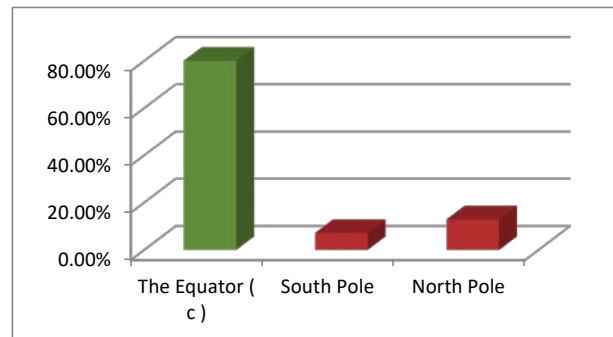
5. The sun's energy is a factor that controls what part of the water cycle? (Multiple Choice)

Responses	
	Percent
Accumulation	4.35%
Evaporation (c)	63.77%
Condensation	8.70%
Precipitation	23.19%
Totals	100%



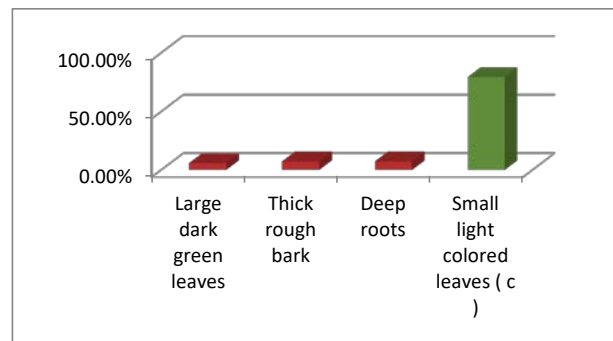
6. Which region of the Earth receives the most direct, concentrated energy from the Sun? (Multiple Choice)

Responses	
	Percent
The Equator (c)	80.00%
South Pole	7.14%
North Pole	12.86%
Totals	100%



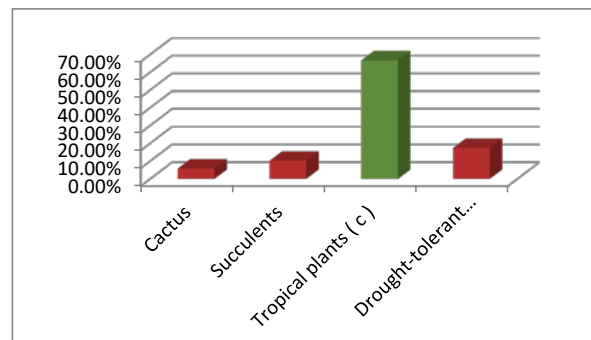
7. Characteristics that identify California-friendly plants include: (Multiple Choice)

Responses	
	Percent
Large dark green leaves	5.88%
Thick rough bark	7.35%
Deep roots	7.35%
Small light colored leaves (c)	79.41%
Totals	100%



8. When planting a California-friendly garden you should avoid which of the following? (Multiple Choice)

Responses	
	Percent
Cactus	5.80%
Succulents	10.14%
Tropical plants (c)	66.67%
Drought-tolerant plants	17.39%
Totals	100%

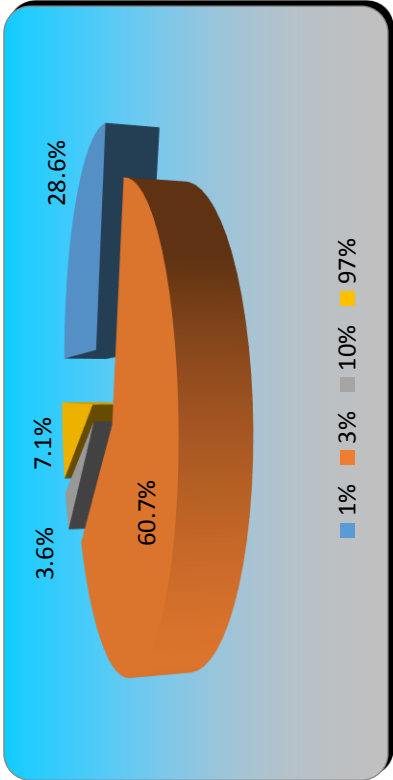


Pre-Test Results by Question
High School Program - Dana Hills HS

Session Name: WAW DHHS - 12-3-18 - APES Period 1
Created: 2/7/2019 3:33 PM

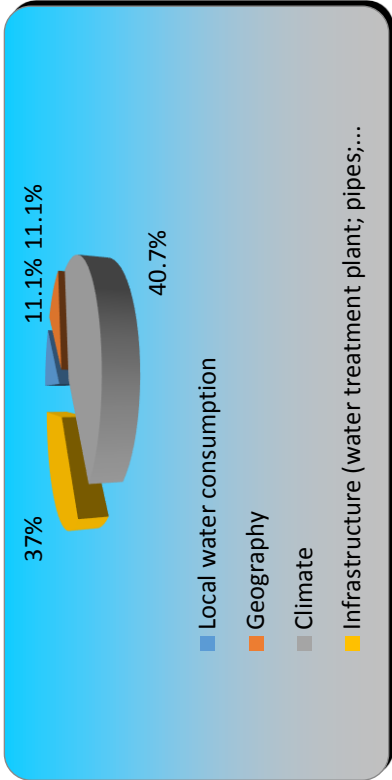
1.) What percent of the Earth’s water is usable freshwater?
(multiple choice)

	Responses	
1%	8	28.57%
3%	17	60.71%
10%	1	3.57%
97%	2	7.14%
Totals	28	100%



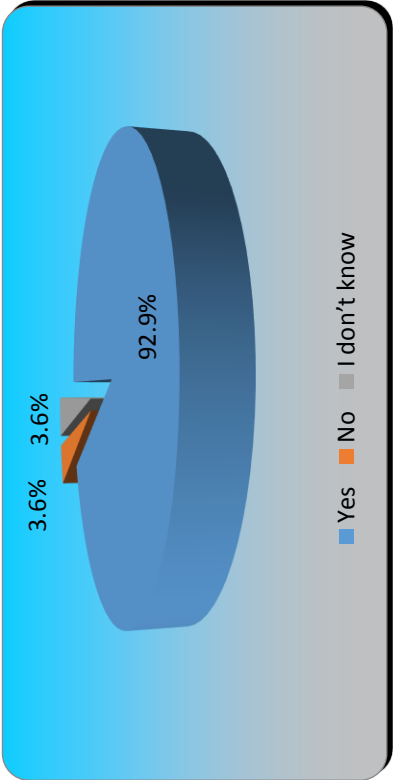
2.) There is more water available in some parts of the country than others because of differences in: (multiple choice)

	Responses	
Local water consumption	3	11.11%
Geography	3	11.11%
Climate	11	40.74%
Infrastructure (water treatment plant; pipes;...	10	37.04%
Totals	27	100%



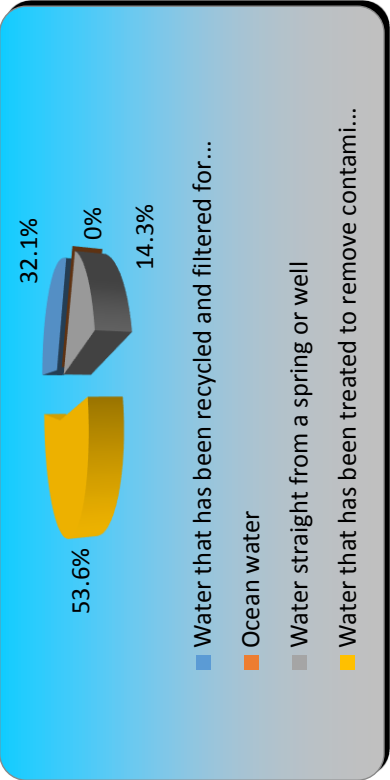
3.) Does the water that we use everyday cost money?
(multiple choice)

	Responses	
Yes	26	92.86%
No	1	3.57%
I don't know	1	3.57%
Totals	28	100%

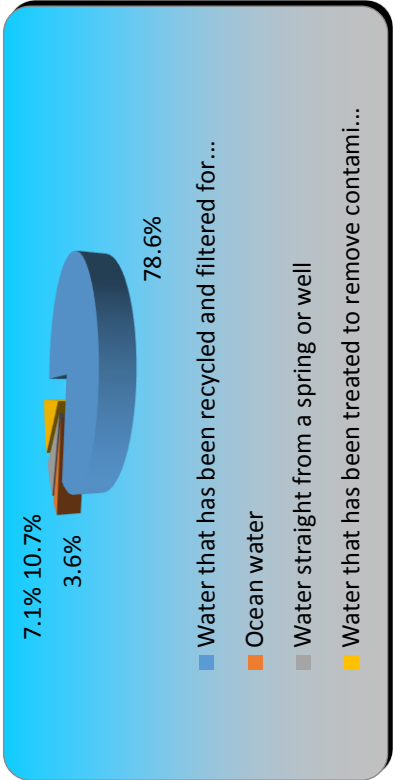


4.) What is potable water? (multiple choice)

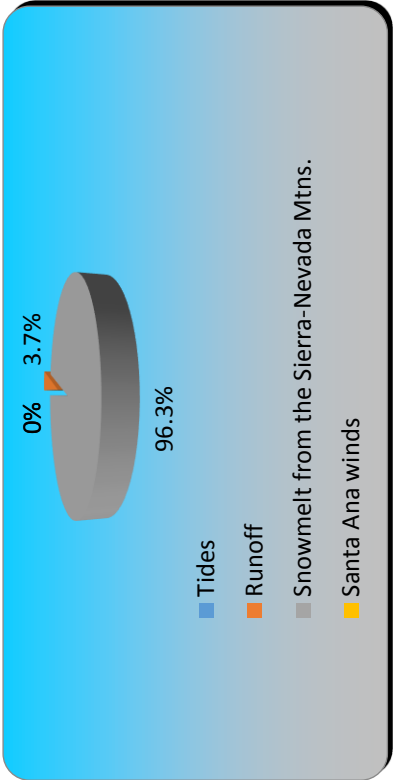
	Responses	
Water that has been recycled and filtered for...	9	32.14%
Ocean water	0	0%
Water straight from a spring or well	4	14.29%
Water that has been treated to remove contaminants...	15	53.57%
Totals	28	100%



5.) What is the water in the purple pipes? (multiple choice)	Responses	
<i>Water that has been recycled and filtered for...</i>	22	78.57%
Ocean water	1	3.57%
Water straight from a spring or well	2	7.14%
Water that has been treated to remove contami...	3	10.71%
Totals	28	100%

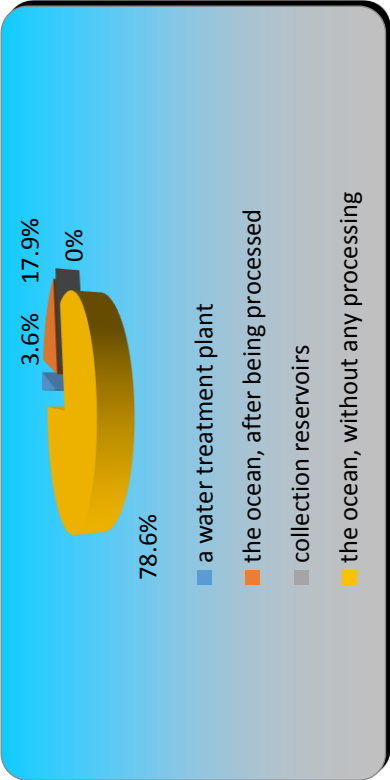


6.) What natural, seasonal phenomenon does California rely on for water? (multiple choice)	Responses	
Tides	0	0%
Runoff	1	3.70%
<i>Snowmelt from the Sierra-Nevada Mtns.</i>	26	96.30%
Santa Ana winds	0	0%
Totals	27	100%



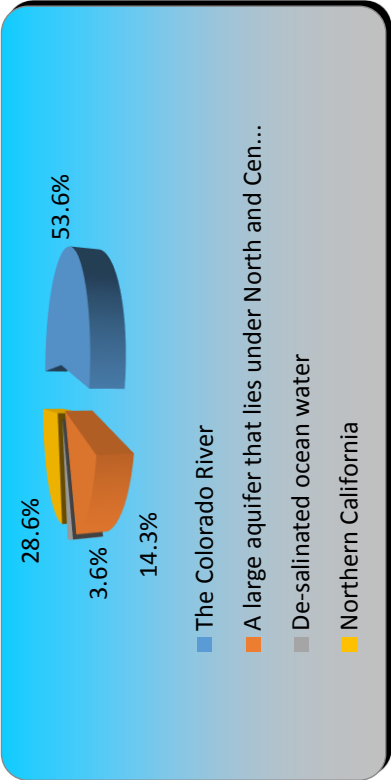
7.) Water that goes down gutters and storm drains goes to:
(multiple choice)

	Responses	
a water treatment plant	1	3.57%
the ocean, after being processed	5	17.86%
collection reservoirs	0	0%
<i>the ocean, without any processing</i>	22	78.57%
Totals	28	100%

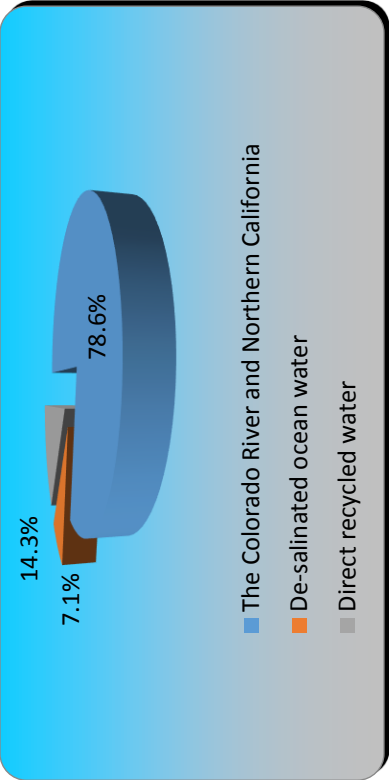


8.) More than half of the water in North and Central Orange
County comes from: (multiple choice)

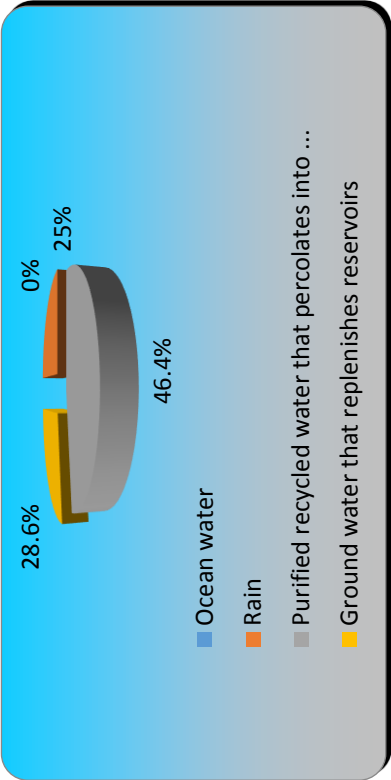
	Responses	
The Colorado River	15	53.57%
<i>A large aquifer that lies under North and Cen...</i>	4	14.29%
De-salinated ocean water	1	3.57%
Northern California	8	28.57%
Totals	28	100%



9.) Most water for South Orange County comes from: (multiple choice)	Responses
The Colorado River and Northern California	22 78.57%
De-salinated ocean water	2 7.14%
Direct recycled water	4 14.29%
Totals	28 100%



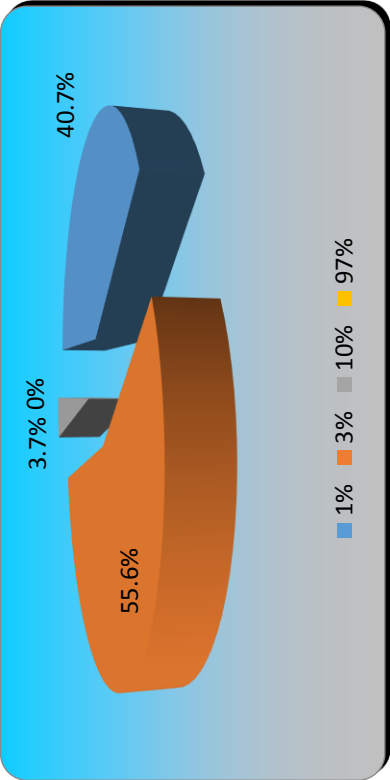
10.) What is the Ground Water Replenishment System? (multiple choice)	Responses
Ocean water	0 0%
Rain	7 25%
<i>Purified recycled water that percolates into ...</i>	<i>13 46.43%</i>
Ground water that replenishes reservoirs	8 28.57%
Totals	28 100%



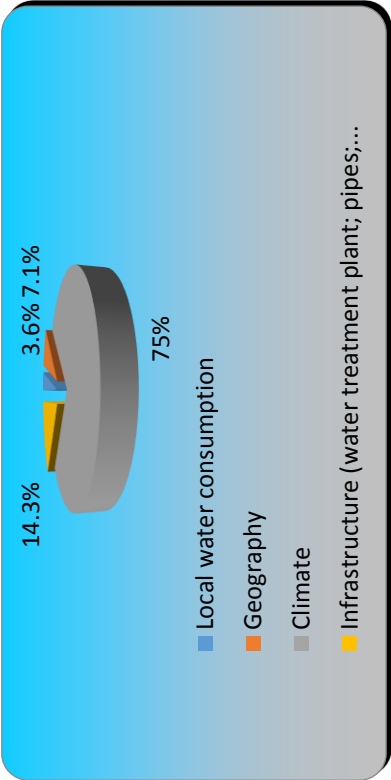
Post-Test Results by Question

High School Program - Dana Hills HS

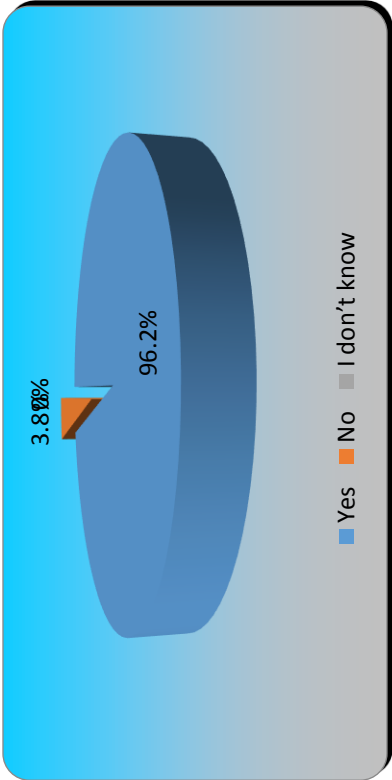
11.) What percent of the Earth’s water is usable freshwater? (multiple choice)	Responses	
1%	11	40.74%
3%	15	55.56%
10%	1	3.70%
97%	0	0%
Totals	27	100%



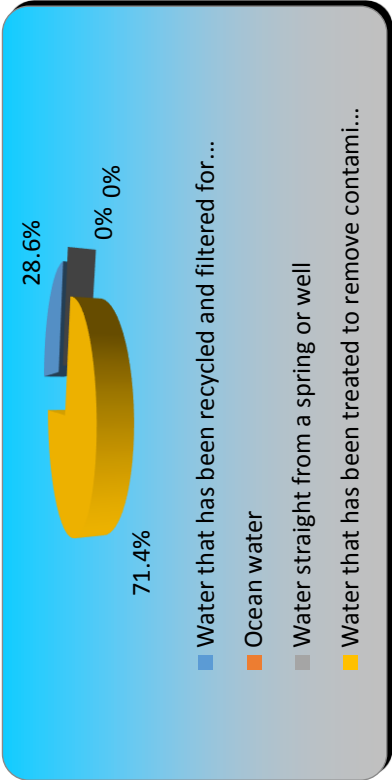
12.) There is more water available in some parts of the country than others because of differences in: (multiple choice)	Responses	
Local water consumption	1	3.57%
Geography	2	7.14%
Climate	21	75%
Infrastructure (water treatment plant; pipes;...	4	14.29%
Totals	28	100%



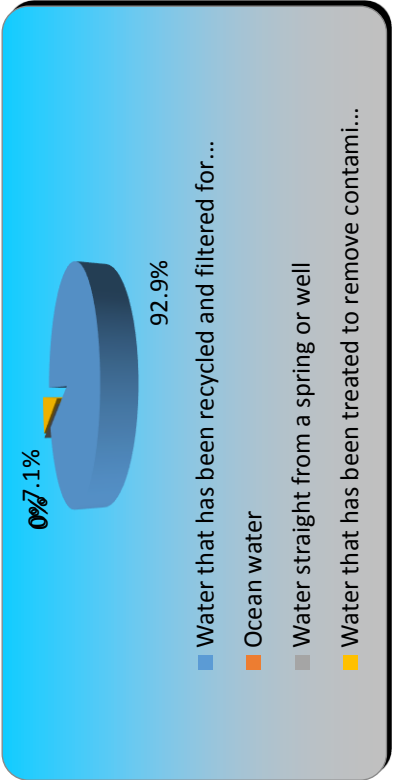
13.) Does the water that flows out of the faucet at home and school have a cost? (multiple choice)		Responses
Yes	25	96.15%
No	1	3.85%
I don't know	0	0%
Totals	26	100%



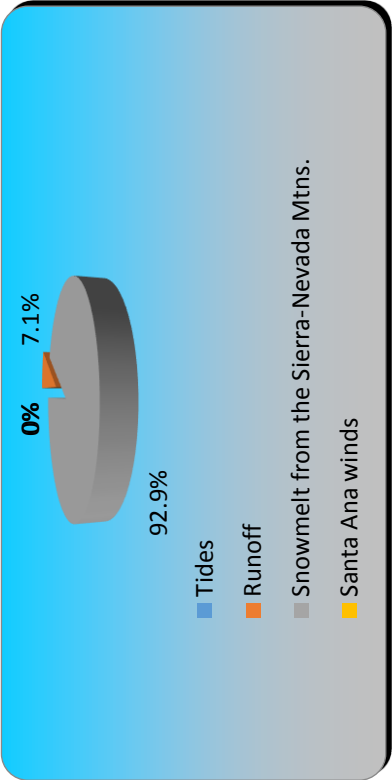
14.) What is potable water? (multiple choice)		Responses
Water that has been recycled and filtered for...	8	28.57%
Ocean water	0	0%
Water straight from a spring or well	0	0%
Water that has been treated to remove contaminants	20	71.43%
Totals	28	100%



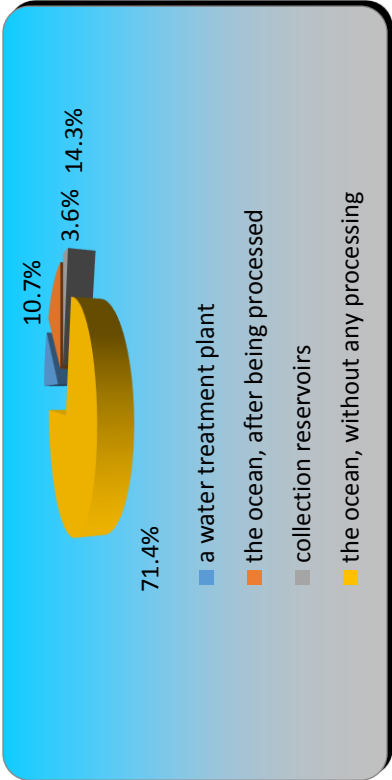
15.) What is water in the purple pipes? (multiple choice)	Responses	
<i>Water that has been recycled and filtered for...</i>	26	92.86%
Ocean water	0	0%
Water straight from a spring or well	0	0%
Water that has been treated to remove contami...	2	7.14%
Totals	28	100%



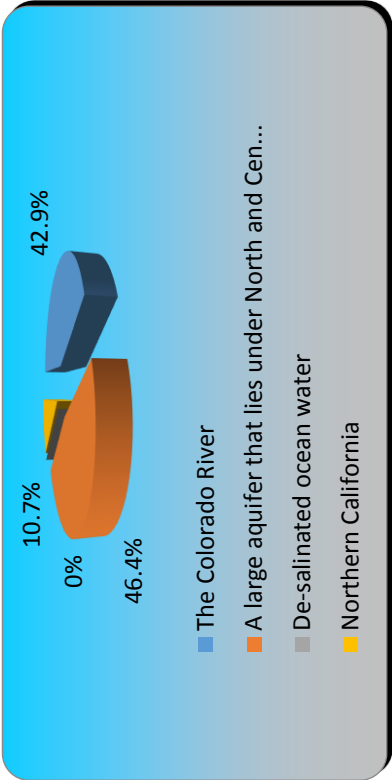
16.) What natural, seasonal phenomenon does California rely on for water? (multiple choice)	Responses	
Tides	0	0%
Runoff	2	7.14%
<i>Snowmelt from the Sierra-Nevada Mtns.</i>	26	92.86%
Santa Ana winds	0	0%
Totals	28	100%



17.) Water that goes down gutters and storm drains goes to: (multiple choice)		Responses
a water treatment plant	3	10.71%
the ocean, after being processed	4	14.29%
collection reservoirs	1	3.57%
<i>the ocean, without any processing</i>	<i>20</i>	<i>71.43%</i>
Totals	28	100%



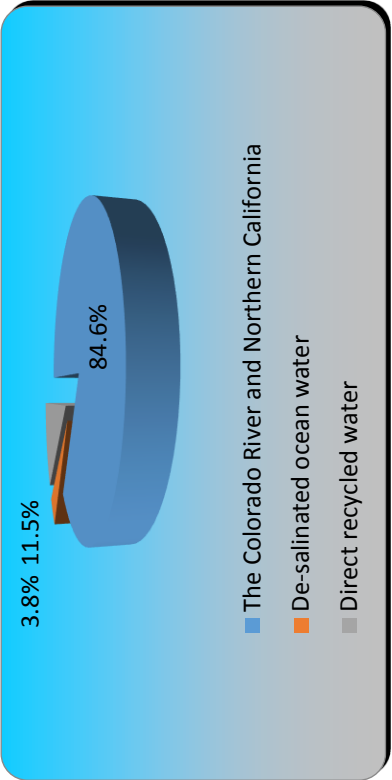
18.) More than half of the water in North and Central Orange County comes from: (multiple choice)		Responses
The Colorado River	12	42.86%
<i>A large aquifer that lies under North and Cen...</i>	<i>13</i>	<i>46.43%</i>
De-salinated ocean water	0	0%
Northern California	3	10.71%
Totals	28	100%



19.) Most water for South Orange County comes from:

(multiple choice)

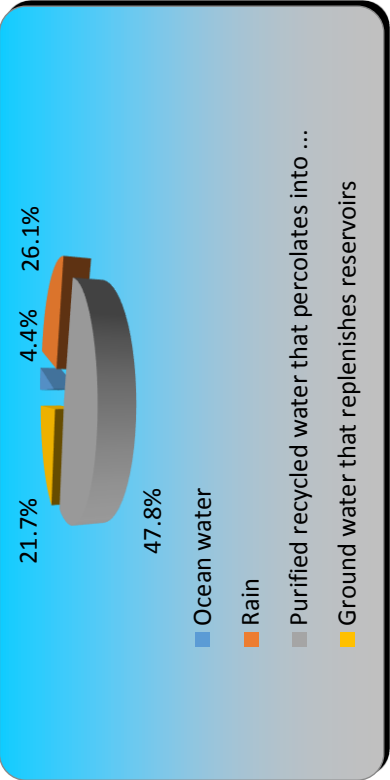
	Responses
The Colorado River and Northern California	22 84.62%
De-salinated ocean water	1 3.85%
Direct recycled water	3 11.54%
Totals	26 100%



20.) What is the Ground Water Replenishment System?

(multiple choice)

	Responses
Ocean water	1 4.35%
Rain	6 26.09%
Purified recycled water that percolates into ...	11 47.83%
Ground water that replenishes reservoirs	5 21.74%
Totals	23 100%



WHAT ABOUT WATER?

Monthly Report
Presented by



February 2019

What About Water? - Inside the Outdoors School Visits										
Year 4 - 2018/2019										
Agency	High School	1st Visit - student	1st Visit Attendance	2nd Visit - student	2nd Visit Attendance	School Expo Date	Total Students	Class Type	Grade Served	Notes
Anaheim	Anaheim High School	11/28/18	73	2/7/19	88	3/20/19	161	AP Environmental Science	11-12th grade	3/20 - Lunchtime Expo
City of Brea	Brea Olinda High School	4/26/19		5/31/19		6/4/18	0	AP Environmental Science		6/4 - Lunchtime Expo
City of Buena Park	Buena Park High School	2/27/19		3/13/19			0	AP Environmental Science	10-12th grade	TBD- Expo
City of Fountain Valley	Fountain Valley High School or Los Amigos (alternate)						0			
City of Huntington Beach	Edison High School						0			
City of San Clemente	San Clemente High School	4/29/19		5/6/19		5/14/19	0	Biology		5/19 - Lunchtime Expo
City of San Juan Capistrano	Junipero Serra High School or San Juan Hills High School	1/14/19	10	1/28/19	10	3/11/19	20	Health Science	10th grade	3/11 - Lunchtime Expo
City of Tustin	Tustin High School or Columbus Middle School	1/8/19	175	2/21/19		5/14/19	175		6-8th grade	5/14 - Science Night
East Orange WD	Foothill High School						0			
El Toro	El Toro High School	12/12/18	13	12/14/18	12	tbd	25	AP Environmental Science	11th grade	TBD- Expo/Showcase
El Toro Water District	Los Alisos Jr. High						0			
Moulton Niguel	Aliso Niguel High School						0			
Moulton Niguel	Laguna Hills High School	1/31/19	35	2/14/19		2/28/19	35	AP Environmental Science	11th grade	2/28 - Lunchtime Expo
Moulton Niguel	Capistrano Valley High School						0			new teacher contact, waiting for date confirmation
Moulton Niguel /Santa Margarita WD	Mission Viejo High School	2/1/19	101	2/4/19	92	3/25/19	193	AP Biology		3/25 - Lunchtime Expo?
Santa Ana	Saddleback High School						0			
Santa Margarita WD	Tesoro High School	4/10/19		5/15/19		5/29/19	0	Biology/Earth Club		5/29 - Lunchtime Expo
South Coast WD	Dana Hills High School	12/3/18	62	4/15/19		5/21/19	62	Biology		5/21 - Lunchtime Expo
Westminster	La Quinta High School						0			
Westminster	Westminster High School						0			
Total		469		202		671				
Teacher Workshops										
Student Summits										
Where's My Water? - Inside the Outdoors School Visits - 2018/2019										
Core Program	High School	Program Date	Attendance					Class Type	Grade Served	Notes
Where's My Water										
	Brea Olinda High School	9/21/18	87					Biology	11th grade	
	Back Bay High School	12/18/18	47					Science	11-12 grade	
	Fountain Valley Education Center	1/9/19	11					Science	11-12 grade	
tbd = verbal confirmation, pending calendar dates										

Public Affairs Activities Report
January 10, 2019 – February 12, 2019

Member Agency Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Prepared Materials including presentation for ACC-OC New Elected Official Orientation • Prepared Media and Tool Kits for Poster Slogan Contest, Wyland Mayor's Challenge, Water Use Efficiency and Emergency Management. <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Organized and hosted a working group on SB 998 (water shutoffs) implementation
Community Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Entries open for 2019 Water Awareness Poster Contest • Created and sent January eCurrents Newsletter • Submitted four award entries for the California Association of Public Information Officers annual awards • Worked with the Wyland Foundation to complete promotional flyer for the upcoming annual competition in April <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Attended the Southern California Water Coalition Quarterly Lunch
Education	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Observed 1st and 2nd visit at San Juan Capistrano Serra High School • Met with Inside the Outdoors and Metropolitan Water District of Southern CA on the Voice4thePlanet video contest promotions • Provided Inside the Outdoors with updated agency content for the High School program presentations

	<ul style="list-style-type: none"> • Provided information to the City of Orange regarding the Elementary School program targets • Sent updated schedule and attendance numbers to member agencies for the elementary school program • Secured sponsors for the Orange County prize category for Voice4Planet video contest • Provided El Toro Water District with post-clinic survey results for the Water Resources and Conservation Patch Program and certificate of recognition • Coordinated and hosted Girl Scouts Patch Program Clinic on January 26 at City of San Clemente's Water Reclamation Plant • Created and sent the January 26 clinic attendees a post-clinic survey • Continues to coordinate and respond to inquiries for the upcoming Girl Scout Patch Program clinics • Participated in the Metropolitan Water District of Southern CA Education Coordinator's meeting • Sent Moulton Niguel Water District information regarding upcoming visits to Laguna Hills and Mission Viejo high schools • Sent Santa Margarita Water District information regarding upcoming visits to Mission Viejo high schools • Sent the City of Buena Park information regarding upcoming visits to Buena Park High School • Coordinated with Metropolitan Water District of Southern CA and Inside the Outdoors on fulfilling a CORE program visit request • Provided El Toro Water District with information on the water education school programs • Provided City of Anaheim with information regarding upcoming elementary school program visits and Voice4Planet promotions • Provided City of Brea with information regarding upcoming elementary school program visits • Accompanied Director Schneider to present Certificate of Recognition to the Laguna Beach County Water District for hosting the Girl Scouts Patch Program on November 17
Media Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Worked with Consultants to produce PSA promoting Wyland Mayor's OC Challenge • Discussed potential partnership, participation and promotion of Xtreme Home Water Makeover with NBC/ Water Zone/Toro • Coordinated and booked 30 minute radio segment on KSBR

Staff Training and Development	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Participated in WEROC Orange Crush Emergency Exercise <p>Governmental Affairs Staff :</p> <ul style="list-style-type: none"> • Participated in WEROC Orange Crush Emergency Exercise
Special Projects	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Prepared First Draft of Department Budget for FY 19/20. • Sent invitations and confirmations to guests of Director Dick for his upcoming inspection trip February 22-23. • Currently working on itineraries, trip logistics, guest and Director requirements for the following inspection trips: <ul style="list-style-type: none"> ○ April 12, Director McKenney Infrastructure ○ April 26-27, Director Dick CRA <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Staffed Director Ackerman’s Colorado River Aqueduct tour • Attended the WACO Planning Committee Meeting • Sent out invitations various speakers on behalf of WACO Planning • Staffed the ISDOC Quarterly Luncheon with Christina Hernandez
Water Policy Dinner	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Continues to coordinate venue, guests, honorees, presentations, and promotion of the February 21st Water Policy Dinner. • Sent the first and second invite to database contacts • Working with hotel on event logistics
Legislative Affairs	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Reviewed the Governor’s budget and sent follow-up information to the Board and member agencies • Participated in ACWA’s water tax alternative legislation working group meeting • Participated in ACWA’s working group meeting on the California Office of Environmental Health Hazard Assessment’s Human Right to Water Framework Report • Attended the ACWA Federal Affairs Committee meeting • Along with Mesa Water District, met with Assemblywoman Cottie-Petrie Norris • Met with district staff at the Office of Assemblyman Tyler Diep • Participated in Met’s member agency legislative call • Attended ACWA’s state legislative committee meeting

	<ul style="list-style-type: none"> • Met with Lana Haddad and Albert Napoli at Metropolitan to discuss and coordinate legislative events and visits • Participated in calls with EMWD, WMWD and IEUA coordinating our upcoming co-hosted congressional briefing lunch in Washington D.C. • Attended the Assembly Joint Informational Hearing on Safe and Affordable Drinking Water • Met with staff from the following legislative offices: <ul style="list-style-type: none"> - Assemblyman Philip Chen (Assembly Environmental Safety and Toxic Materials Committee) - Assemblyman Ash Kalra (Assembly Water, Parks and Wildlife Committee) - Assemblyman Marc Levine (Assembly Water, Parks and Wildlife Committee) - Assemblyman Rudy Salas (Assembly Water, Parks and Wildlife Committee) - Senator Andreas Borgeas (Senate Natural Resources and Water Committee) - Assemblyman Todd Gloria (Assembly Water, Parks and Wildlife Committee)
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