

AGENDA
IRVINE RANCH WATER DISTRICT
WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE
THURSDAY, AUGUST 11, 2016

CALL TO ORDER 3:00 p.m. Committee Room, Second Floor, District Office
15600 Sand Canyon Avenue, Irvine, California

ATTENDANCE Committee Chair: Steve LaMar _____
Member: John Withers _____

<u>ALSO PRESENT</u>	Paul Cook	_____	Cheryl Clary	_____
	Beth Beeman	_____	Patrick Sheilds	_____
	Mark Tettemer	_____	Christine Compton	_____
	Fiona Sanchez	_____	Amy McNulty	_____
	Paul Weghorst	_____	Kellie Welch	_____
	Ray Bennett	_____	Jo Ann Corey	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

COMMUNICATIONS

1. Notes: Weghorst
2. Public Comments
3. Determine the need to discuss and/or take action on item(s) introduced that came to the attention of the District subsequent to the agenda being posted.
4. Determine which items may be approved without discussion.

INFORMATION

- | | |
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| 5. <u>RECYCLED WATER USED FOR CONSTRUCTION AND OTHER ACTIVITIES – TETTEMER/WEGHORST</u> | |
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Recommendation: Receive and file.

ACTION

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| 6. <u>2016 LEGISLATIVE UPDATE – COMPTON/COOK</u> | |
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Recommendation: That the Board adopt an “OPPOSE” position on AB 2087 (Levine).

ACTION

7. REVIEW OF IRWD ASSOCIATION MEMBERSHIPS –
COMPTON/COOK

Recommendation: That the Committee review and discuss the current list of IRWD association memberships and association and sponsorship opportunities.

8. SELECTION OF NEW IRWD LOGO DESIGN – BEEMAN/WEGHORST

Recommendation: That the Committee select a preferred IRWD logo design that will be presented to the Board for further consideration.

9. CONSULTANT SELECTION FOR THE WATER SMART REPORTS
PROGRAM – MCNULTY/SANCHEZ/WEGHORST

Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with WaterSmart Software in the amount of \$489,510 to provide Water Smart Reports Program Services for the next three years.

OTHER BUSINESS

10. A. Directors' Comments

B. Adjourn

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

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

August 11, 2016
Prepared by: M. Tettermer
Submitted by: P. Weghorst
Approved by: Paul Cook 

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

RECYCLED WATER USED FOR CONSTRUCTION AND OTHER ACTIVITIES

SUMMARY:

This report provides an overview of locations within the District where recycled water is being used for construction-related activities such as grading, dust suppression and compaction. Also provided are locations where recycled water hydrants are located which can be used for other purposes such as street sweeping, sewer flushing and power washing.

BACKGROUND:

In Fiscal Year 2015-16, staff expanded the availability of recycled water construction meters and hydrants that are available for construction activities such as grading, dust suppression, compaction and for other purposes. Attached as Exhibit "A" is a map of much of IRWD's service area with the recycled water distribution pipelines shown as purple lines. The exhibit includes the locations of active recycled water hydrants, future recycled water hydrants, temporary recycled water hydrants and temporary recycled water construction meters, and shows that significant construction areas, such as the Great Park and the former Hines Nursery, currently have recycled water hydrants and temporary meters in use. Attached as Exhibit "B" is a photograph of a recently installed hydrant with a purple color that distinguishes it from other hydrants.

Other Uses of Recycled Water Hydrants:

Some of the hydrants shown on Exhibit "A" make recycled water available for other uses such as sewer flushing, street sweeping and power washing. Last year, staff began using recycled water for sewer flushing. Currently, the City of Irvine is pursuing the retrofit of several street sweeping vehicles to accommodate the use of recycled water. A dialogue is ongoing between staff and regulatory agencies to determine the necessary conditions and required documentation for using recycled water for power washing purposes.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

Receive and file.

LIST OF EXHIBITS:

- Exhibit “A” – Aerial of IRWD’s Recycled Water Distribution System with Recycled Water
Hydrants and Temporary Meters
Exhibit “B” – Photograph of a Recycled Water Hydrant

Exhibit "A"

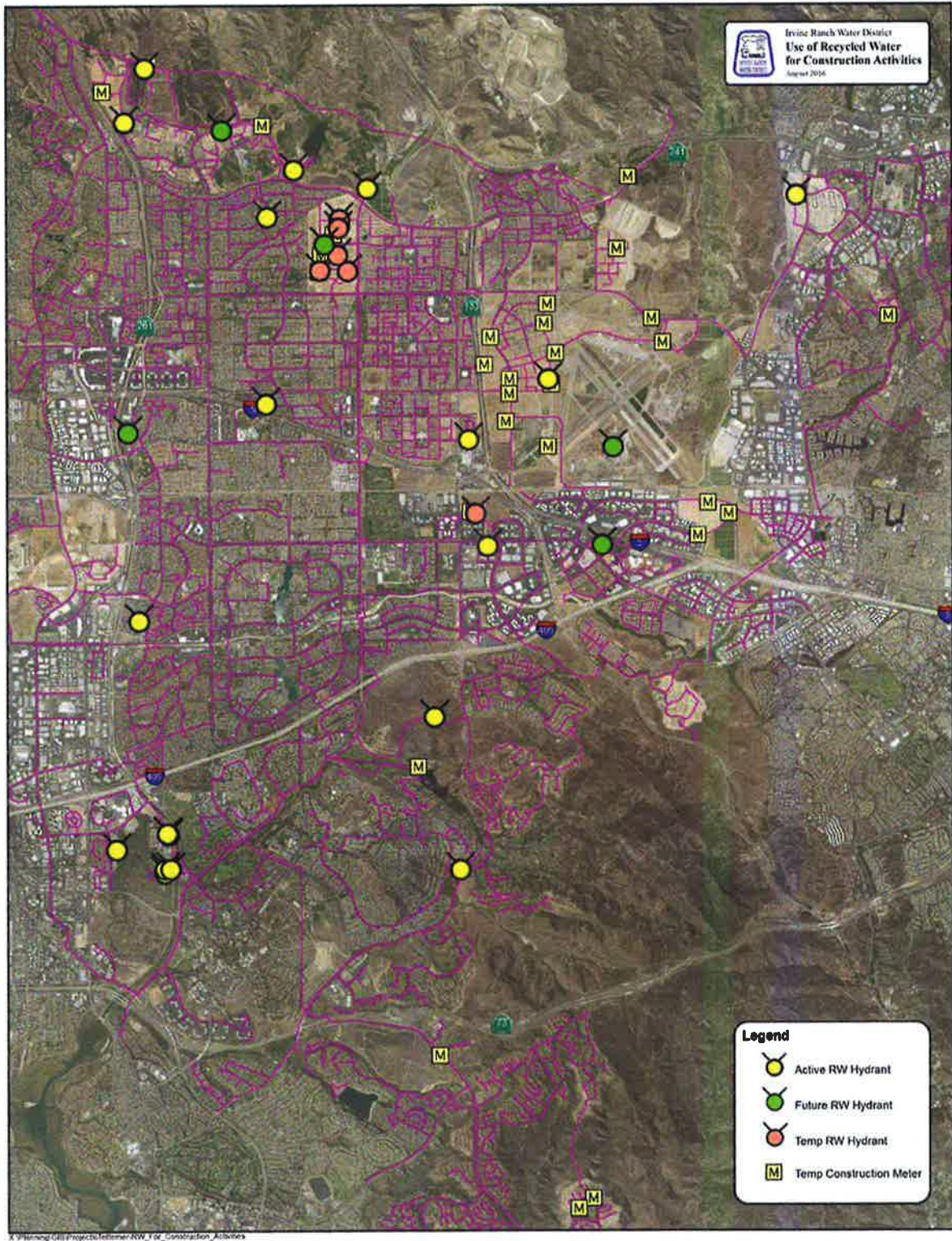


Exhibit "B"



B - 1

August 11, 2016

Prepared and

submitted by: C. Compton 

Approved by: Paul Cook 

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

2016 LEGISLATIVE UPDATE

SUMMARY:

This report provides an update on the 2016 legislative session and IRWD priorities. As legislation develops, staff will provide updates and recommendations to the Water Resources Policy and Communications Committee and the Board, as appropriate.

Staff recommends that the Board consider the following actions/positions:

- *AB 2087 (Levine, D-Santa Rosa)- Regional Conservation Frameworks — “OPPOSE”.*

BACKGROUND:

The California State Assembly and Senate returned from summer recess on August 1, 2016. With less than one month left in the 2015-2016 Regular Legislative Session, fiscal committees have until August 12 to meet and report bills to the floor. The last day for each house to pass regular session bills this year is August 31, which is the day the final legislative recess begins. The Governor has until September 30 to sign or veto legislation passed by the Legislature this session. The 2017-2018 Regular Legislative Session will begin December 5, 2016, when newly-elected members are sworn in.

A copy of the 2016 Legislative Matrix is attached as Exhibit “A”. Exhibit “B” is the “2016 Legislative Update: Links to Bill Texts,” which contains links to the bills discussed below, unless a separate exhibit is noted.

State Budget Update:

June Revenue Numbers:

On July 11, 2016, State Controller Betty Yee released her monthly report on the State’s finances. She announced that July revenues came in \$524.4 million or 3.1 percent lower than projections. Despite three straight months of lower revenues, the State took in more revenue than anticipated during Fiscal Year 2015-2016, but fell \$678.8 million short of the estimates contained in the Governor’s May Revision.

With regard to the State’s financial position as of June 30, the Controller stated that:

“California did not have to pursue external borrowing in 2015-16. California did end the fiscal year with \$646.2 million in internal borrowing, which was \$896.2 million less than May Revision expectations. The [S]tate ended the fiscal year without a positive cash balance for the first time since FY 2012-13.”

2016 State Legislation:

AB 2087 (Levine, D-Santa Rosa) — Regional Conservation Frameworks:

AB 2087, authored by Assembly Water, Parks and Wildlife Chairman Marc Levine (D-Santa Rosa), would authorize the California Department of Fish and Wildlife (DFW) and other public agencies to develop “regional conservation frameworks.” As stated in the bill, the purpose of a regional conservation framework is “to inform actions that would advance conservation of focal species, habitat, and other natural resources and to provide voluntary guidance for one or more of the following:”

- Identification of wildlife and habitat conservation priorities;
- Investments in ecological resource conservation;
- Infrastructure planning;
- Identification of conservation priorities for land use planning; and
- Identification of priority locations for compensatory mitigation for impacts to species and natural resources.

While the author has stated that regional conservation frameworks are to be non-regulatory and voluntary, the intent behind the bill is to establish a new statewide species and habitat protection program. As of the writing of this report, amendments that would protect landowners, clarifying amendments related to how species and habitat mitigation are to be selected within the frameworks, and changes to make the proposal consistent with the California Endangered Species Act and the California Environmental Quality Act have been rejected. Due to the rejection of these amendments and other reasons, the building industry and large scale solar have opposed the bill.

On August 4, 2016, the Administration released significant revisions it is seeking to the bill. These revisions do not address the concerns raised by opponents and may result in a less clear and legally inconsistent measure. There has also been a suggestion from the Administration that the bill may be limited to state agencies only, leading the opposition to believe that the Administration’s concern is for the high-speed rail and Delta tunnels, as opposed to general areas of the state.

Based on IRWD’s interest in and strong support for regional conservation planning, staff has reviewed the bill in print and the amendments proposed by the Administration. Overall, the bill proposes a vast expansion of authority for the DFW through regional conservation frameworks while stating that it does not expand DFW’s authority. But given existing conservation planning tools such as mitigation and conservation banking and the Natural Communities Conservation Planning (NCCP) Act, any new authority appears to be unnecessary to accomplish the bill’s stated goal of encouraging greater regional conservation planning. Additionally, IRWD staff has identified the follow concerns:

- Lack of Clarity and Definition Related to the Role of Regional Conservation Frameworks- Many provisions in the bill are either inconsistent or poorly defined how regional conservation frameworks will work. For example, the bill does not recognize

that an established NCCP should govern mitigation and development activities within a region if such a plan has been adopted instead of any newly proposed framework;

- Lack of Appropriate Checks and Balances- The proposal also lacks the appropriate checks and balances on the development of regional conservation frameworks including failing to require sufficient opportunities for an appropriate level of public participation in the development of a regional conservation framework, consultation with local agencies, and failing to require that established thresholds for mandatory mitigation be followed. Furthermore, the bill does not provide sufficient checks and balances on DFW because the department is given the authority to both establish and approve its own regional conservation framework without having to gain concurrence from local agencies or property owners; and
- Lack of Sufficient Protections for Public and Private Landowners- There is no provision in the bill that protects landowners if they do not want to have their land included in the framework, and there is no guarantee, if it is included, that property/development rights would not be impacted.

The bill has been and continues to be opposed by the Republicans, but as a majority vote bill with Administration support, is likely to pass unless a strong coalition against it can persuade the author and Administration to limit or hold the bill over until next year. Staff continues to monitor the discussions surrounding AB 2087, and will provide the Committee with an update on the most recent developments. Given the issues discussed above, staff recommends that the Board adopt an “oppose” position on AB 2087.

AB 2909 (Levine, D-Santa Rosa) — Water: Transfer or Exchange: Expedited Review:

On June 21, 2016, Chairman Marc Levine gutted and amended AB 2909. As amended, AB 2909 would require the State Board and the Department of Water Resources to develop and implement an expedited 30-day review process for approval of environmentally beneficial reoccurring water transfers or exchanges.

Upon review of the amendments, staff noted that transfers to facilitate groundwater conjunctive use or storage programs, thereby reducing competition for surface water supplies during droughts and supply interruptions, were not listed as environmentally beneficial transfers qualifying for expedited review. Staff raised this issue with Chairman Levine’s staff and asked that they consider an amendment to list these types of transfers in their bill. Given the amendments IRWD had requested, IRWD adopted a “support if amended” position on AB 2909.

Over the summer recess, staff received word from Chairman Levine’s office that, due to concerns within the environmental community, AB 2909 would be amended to remove all references to “environmentally beneficial transfers” and would simply require a 30-day expedited review process for reoccurring transfers. As of the writing of this report, the amendments have yet to be inserted into the bill. Staff will provide the Committee with an update on any new development related to water transfers.

SB 1298 (Hertzberg, D-Van Nuys)— Local Government: Fees and Charges:

On June 13, 2016, Senator Bob Hertzberg (D-Van Nuys) gutted and amended SB 1298 inserting the Water Foundation's water and sewer rate proposal into the bill. As gutted and amended, SB 1298 would have:

- Defined the proportional cost of service attributable to a parcel so that it includes low income rate subsidization ("life line rates");
- Defined sewer service consistent with the Public Utilities Code; and
- Authorized agencies to charge, in addition to any property-related fee or charge imposed pursuant to Article XIII D of the California Constitution for water service, a separate and distinct conservation and efficiency fee to create price signals to encourage conservation and encourage increased efficiency in the use of water.

On June 27, Senator Hertzberg's staff announced further amendments to SB 1298. The amendments removed all portions of the bill related to lifeline rates and all of the tiered water rate provisions. These amendments retained an authorization to fund stormwater management as a sewer service charge by defining sewer service, and proposed to add a definition of the "proportional cost of service attributable to the parcel" to state law.

IRWD legal counsel and staff identified a number of issues related to the proposed definition of "proportional cost of service attributable to the parcel." As a result, staff and counsel communicated these concerns to the Water Foundation and Senator Hertzberg's staff. Upon hearing from the District and other water agencies, Senator Hertzberg agreed to remove the proposed definition from the bill, and amendments are forthcoming.

IRWD had taken a "concerned" position on SB 1298 and authorized staff to communicate the District's concern over any water rate legislation which is not consistent with the California Constitution, voluntary in nature, or provide sufficient clarity or flexibility to water agencies. As authorized by the Board, staff will continue to work with interested parties on issues related to tiered water rates.

Other State Actions:

Little Hoover Commission Study of Special Districts:

The Little Hoover Commission has announced that it will begin a new examination of California special districts. The study will focus on the formation and operations of special districts, and focus on enhancing the performance of special districts within their role as service providers. Many observers believe that the new examination will be a follow-up to the Commission's 2000 report on special districts entitled *Special Districts: Relics of the Past or Resources for the Future?* That study included recommendations to encourage district consolidation, transparency, accountability, and more prudent management of financial reserves. Additionally, the 2000 study recommended limiting special district ability to collect both fees and property taxes.

Staff has been working and will continue to work with the District's association and industry partners to communicate what special districts have accomplished over the last 16 years in the areas of transparency, policy and financial management.

The Commission will hold its first hearing for the new study on August 25 and a second hearing on October 27. Among the special districts to be examined are health care districts and fire districts, though IRWD remains concerned about additional scrutiny of enterprise special districts.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

That the Board adopt an "OPPOSE" position on AB 2087 (Levine).

LIST OF EXHIBITS:

Exhibit "A" – IRWD Legislative Matrix

Exhibit "B" – 2016 Legislative Update Report: Links to Bill Texts

EXHIBIT "A"
IRWD 2016 LEGISLATIVE MATRIX
Updated 08/05/2016

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 12</u> Cooley (D)	State Government: Administrative Regulations: Review		Requires each state agency after a noticed public hearing, to review the agency's regulations, identify any regulations that are duplicative, overlapping, inconsistent, or out of date, to revise those identified regulations, and report to the Legislature and Governor.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>AB 45</u> Mullin (D)	Household Hazardous Waste		Requires the Department of Resources Recycling to adopt model ordinance for a comprehensive program for the collection of household hazardous waste. Authorizes a local jurisdiction proposing to enact an ordinance for the collection and diversion of such waste to adopt a Department model. Requires a determination as to whether a nonprofit organization has been created and funded to make grants to local entities for purposes related to the disposal of such waste.	06/29/2016 - In SENATE Committee on ENVIRONMENTAL QUALITY: Heard, remains in Committee.
<u>AB 259</u> Dababneh (D)	Personal Information Privacy		Requires an agency, if the agency was the source of the breach and the breach compromised a person's social security number, driver's license number, or California identification card number, to offer to provide the person with identity theft prevention and mitigation services at no cost for not less than 12 months.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>AB 291</u> Atkins (D)	Tribal Gaming: Compact Ratification		Ratifies the tribal-state gaming compact entered into between the State and the Barona Band of Mission Indians, executed on a specified date. Provides that, in deference to tribal sovereignty, certain actions are not projects for the purposes of CEQA.	08/03/2016 - From SENATE Committee on ENVIRONMENTAL QUALITY with author's amendments.;08/03/2016 - In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.
<u>AB 453</u> Salas (D)	Groundwater: Semitropic Water Storage District		Authorizes, until a groundwater sustainability plan is adopted, a local agency that has adopted a groundwater management plan to impose fees on the extraction of groundwater from a groundwater basin to fund costs of groundwater management and to collect groundwater extraction information, as long as a groundwater management plan adopted before a specified date, is in effect. Authorizes the Semitropic Water Storage District to impose fees and collect groundwater extraction information.	06/15/2016 - In SENATE. Read second time. To third reading.
<u>AB 577</u> Bonilla (D)	Biomethane: Grant Program		Requires the development and implementation of a grant program to award grants for projects that produce biomethane, that build or develop collection and purification technology or infrastructure, or that upgrade or expand existing biomethane facilities. Authorizes moneys in the	09/11/2015 - Re-referred to SENATE Committee on RULES.

IRWD 2016 LEGISLATIVE MATRIX
Updated 08/05/2016

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			Greenhouse Gas Reduction Fund to be used to fund grants awarded under the program.	
AB 590 Dahle (R)	Greenhouse Gas Reduction Fund		Provides that moneys in the Greenhouse Gas Reduction Fund account may be made available for expenditure by the State Energy Resources Conservation and Development Commission for maintaining the current level of biomass power generation or geothermal energy generation in the State and revitalizing currently idle facilities in strategically located regions. Establishes requirements for an applicant to receive available funding for a facility's eligible electrical generation.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
AB 615 Rendon (D)	Office of Sustainable Water Solutions: Assistance		Amends existing law that establishes the Office of Sustainable Water Solutions to promote permanent and sustainable drinking water and wastewater treatment solutions to ensure the effective and efficient provision of safe, clean, affordable, and reliable drinking water and wastewater treatment services and authorizes the office to provide technical assistance to disadvantaged communities and small drinking water systems and wastewater systems. Specifies the technical assistance that may be provided.	06/18/2015 - To SENATE Committee on ENVIRONMENTAL QUALITY.
AB 647 Eggman (D)	Beneficial Use: Storing of Water Underground		Declares that the diversion of water to underground storage constitutes a beneficial use of water if the water so stored is thereafter applied to the beneficial purposes for which the appropriation for storage was made, or if the water is so stored consistent with a sustainable groundwater management plan, statutory authority to conduct groundwater recharge, or a judicial decree and is for specified purposes. Requires applying for a permit or petition for a change. Requires including specified conditions.	06/30/2015 - From SENATE Committee on NATURAL RESOURCES AND WATER with author's amendments.;06/30/2015 - In SENATE. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES AND WATER.
AB 723 Chiu (D)	Rental Property: Plumbing Fixtures: Replacement		Requires the lease or rental agreement of a single-family residential real property or any portion of a multifamily residential real property or commercial real property that is entered into, renewed, or amended, be accompanied by a disclosure stating the property owner's responsibility to replace all noncompliant plumbing fixtures with water-conserving plumbing fixtures.	08/04/2016 - Re-referred to SENATE Committee on TRANSPORTATION AND HOUSING.;08/04/2016 - From SENATE Committee on TRANSPORTATION AND HOUSING with author's amendments.;08/04/2016 - In SENATE. Read second time and amended. Re-referred to Committee on TRANS

IRWD 2016 LEGISLATIVE MATRIX
Updated 08/05/2016

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 935</u> Salas (D)	Water Projects		Requires, upon appropriation by the Legislature, the Department of Water Resources to provide funding for certain projects, provided that certain conditions are met.	09/10/2015 - In SENATE. From third reading. To Inactive File.
<u>AB 937</u> Salas (D)	Groundwater Plan/Assistance: Disadvantaged Communities		Requires the Department of Water Resources to provide technical assistance to disadvantaged communities so that they may participate in groundwater planning, including planning for regional groundwater banking, with any county or other local agency.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>AB 938</u> Rodriguez (D)	Sustainable Groundwater Management Act: Basins		Amends the Sustainable Groundwater Management Act. Authorizes a watermaster or local agency administering an adjudicated basin to elect that the basin be subject to the provisions of the Act. Authorizes a court with jurisdiction over the basin to issue and order to set a hearing to determine if the basin shall be subject to the Act. Requires written notice to the Department of Water Resources that the basin is subject to the Act. Requires the notice to be posted on the Department's Web site.	03/09/2016 - From SENATE Committee on NATURAL RESOURCES AND WATER with author's amendments.;03/09/2016 - In SENATE. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES AND WATER.
<u>AB 954</u> Mathis (R)	Water and Wastewater Loan and Grant Pilot Program		Creates the Water and Wastewater Loan and Grant Program. Require the State Water Resources Control Board to establish a pilot program to provide low-interest loans and grants to local agencies for grants to eligible individual homeowners for purposes relating to drinking water and wastewater treatment. Creates a related fund for use under the program. Transfers a specified amount of funds from the General Fund to the fund.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>AB 1144</u> Rendon (D)	Renewables Portfolio Standard Program: Credits		Provides that renewable energy credits may be used to meet certain portfolio content requirements if the credits are earned by electricity that is generated by an entity that would be excluded from the definition of an electrical corporation by operation of the exclusions for entities employing landfill or digester gas technology that meets certain requirements, including that the electricity is used at a wastewater treatment facility. Prohibits certain marketing claims.	08/17/2015 - From SENATE Committee on APPROPRIATIONS with author's amendments.;08/17/2015 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
<u>AB 1173</u> Williams (D)	Water Equipment: Backflow Prevention Devices Testing		Requires, if a local health officer does not maintain a program for certificate of backflow prevention device testers, the testing and maintenance of such device be performed by a person who has received a California-specific certification for such devices from one of the specified entities or a similar certification provider deemed acceptable by the State Water Resources Control Board.	07/14/2015 - In SENATE Committee on ENVIRONMENTAL QUALITY: Not heard.

IRWD 2016 LEGISLATIVE MATRIX
Updated 08/05/2016

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 1201</u> Salas (D)	Delta: Predation by Nonnative Species	Support	Requires the State Department of Fish and Wildlife to develop a science-based plan that addresses predation by nonnative species upon species of fish listed pursuant to the State Endangered Species Act that reside all or a portion of their lives in the Sacramento-San Joaquin Delta and that considers predation reduction for all Chinook salmon and other native species not listed pursuant to the Act. Provides for input from the scientific community, water users and fishing communities.	08/27/2015 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>AB 1242</u> Gray (D)	Water Quality and Storage		Provides provisions of law requiring a specified increase in statewide water storage capacity, and updating water strategies and implementation plans. Requires the Water Resources Control Board, in formulating policy for water quality control and adopting or approving a water quality control plan for the Sacramento-San Joaquin Delta, to take into consideration any applicable groundwater sustainability plan or alternative and available information on impacts of groundwater use and beneficial uses of water.	09/02/2015 - In SENATE. Read second time. To third reading.;09/02/2015 - Re-referred to SENATE Committee on RULES.
<u>AB 1550</u> Gomez (D)	Greenhouse Gases: Investment Plan: Communities		Relates to greenhouse gases and investments in communities. Requires the Greenhouse Investment Fund plan to allocate a minimum percentage of the available moneys in the Greenhouse Gas Reduction Fund to projects located within disadvantaged communities and a minimum percentage to projects that benefit low-income households or to projects located within low-income communities.	08/02/2016 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
<u>AB 1586</u> Mathis (R)	Environmental Quality Act: Temperance Flat Reservoir		Prohibits the court, in an action or proceeding alleging a violation of the California Environmental Quality Act, from staying or enjoining the construction or operation of the Temperance Flat Reservoir unless the court makes certain findings.	04/04/2016 - In ASSEMBLY Committee on NATURAL RESOURCES: Failed passage.;04/04/2016 - In ASSEMBLY Committee on NATURAL RESOURCES: Reconsideration granted.
<u>AB 1587</u> Mathis (R)	Groundwater		Requires, in implementing competitive grants under the Water Quality, Supply, and Infrastructure Improvement Act of 2014, for projects that develop and implement groundwater planning requirements, special consideration be given to those projects that would create groundwater recharge basins in areas of fallow farmland. Appropriates a specified amount of funding from the proceeds of the Act for the purposes of the grant program.	05/27/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 1588</u> Mathis (R)	Water and Wastewater Loan and Grant Program		Requires the State Water Resources Control Board to establish a program to provide funding to counties to award low-interest loans and grants to	08/01/2016 - In SENATE Committee on APPROPRIATIONS: To Suspense File.

IRWD 2016 LEGISLATIVE MATRIX
Updated 08/05/2016

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			eligible applicants for specified purposes relating to drinking water and wastewater treatment. Authorizes a county to apply for such funds. Creates the Water and Wastewater Loan and Grant Fund and provides the moneys in this fund are available to the Board to administer and implement the program. Transfers funds from the General Fund to the loan and grant fund.	
<u>AB 1589</u> Mathis (R)	Environmental Quality Act: Exemption:Drought Mitigation		Exempts from the requirements of the California Environmental Quality Act, for the duration of a state of emergency proclaimed by the Governor due to drought conditions, certain projects that are undertaken, carried out, or approved by a public agency to mitigate those drought conditions.	04/04/2016 - In ASSEMBLY Committee on NATURAL RESOURCES: Failed passage.;04/04/2016 - In ASSEMBLY Committee on NATURAL RESOURCES: Reconsideration granted.
<u>AB 1590</u> Mathis (R)	State Water Resources Control Board: Appointments		Requires that additional members be appointed to the State Water Resources Control Board by the Legislature. Requires that vacancies be immediately filled by the appointing power.	03/10/2016 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/10/2016 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
<u>AB 1647</u> Waldron (R)	Environmental Quality: Water Storage Facilities		Exempts from the Environmental Quality Act a project to expand the storage capacity of an existing surface water storage facility, or to replace an existing surface water storage facility, that is owned and operated by a public entity if that public entity adopts, by resolution, findings and declarations that the project meets specified criteria.	04/04/2016 - In ASSEMBLY Committee on NATURAL RESOURCES: Not heard.
<u>AB 1649</u> Salas (D)	State Water Policy: Storage: Joint Powers Authorities		Requires the Department of Water Resources to develop a State water policy giving priority to the formation of joint powers authorities to address critical surface water storage needs and to funding of surface water projects. Provides that specified projects will meet statewide goals and provide specified public benefits to the greatest extent.	06/28/2016 - In SENATE Committee on NATURAL RESOURCES AND WATER: Failed passage.;06/28/2016 - In SENATE Committee on NATURAL RESOURCES AND WATER: Reconsideration granted.
<u>AB 1694</u> Lackey (R)	Grant Program for School Drinking Water		Requires the State Water Resources Control Board to establish a grant program for grants to public elementary and secondary schools to improve access to, and the quality of drinking water. Specifies various types of projects for which the grants could be awarded. Provides the priority for such grants. Requires the establishment of grant application procedures. Appropriates funds therefor. Provides such funds would supplement not supplant other state funds apportioned to these local agencies.	03/31/2016 - Re-referred to ASSEMBLY Committees on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS and EDUCATION.

IRWD 2016 LEGISLATIVE MATRIX
Updated 08/05/2016

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 1704</u> Dodd (D)	Water Rights: Irrigation: Lake or Streambed Agreements		Allows for a water use registrant to construct a facility to store water for small irrigation use during periods of high streamflow in exchange for the registrant reducing diversions during periods of low streamflow. Authorizes the issuance and renewal of registrations on those streamflow segments if the registration is consistent with applicable streamflow requirements. Relates updated procedures governing the diversion of water and notification of proposed registration.	08/01/2016 - In SENATE Committee on APPROPRIATIONS: To Suspense File.
<u>AB 1713</u> Eggman (D)	Sacramento-San Joaquin Delta: Peripheral Canal	Oppose	Prohibits the construction of a peripheral canal in the Sacramento-San Joaquin Delta unless expressly authorized by an initiative voted on by the voters of California, and requires the Legislative Analyst's Office to complete a prescribed economic feasibility analysis prior to a vote authorizing the construction of a peripheral canal.	05/27/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 1738</u> McCarty (D)	Building Standards: Dark Graywater		Defines dark graywater as a specified wastewater that comes from kitchen sinks and dishwashers. Requires the Department of Housing and Community Development, at the next triennial building standards rulemaking cycle, to develop and submit for approval building standards for the construction, installation, and alteration of dark graywater systems for indoor and outdoor uses.	06/21/2016 - From SENATE Committee on TRANSPORTATION AND HOUSING: Do pass to Committee on ENVIRONMENTAL SAFETY.
<u>AB 1749</u> Mathis (R)	Environmental Quality Act: Exemption: Porterville		Amends the California Environmental Quality Act which exempts projects that provide for the expansion of recycled water pipeline and directly related infrastructure within existing rights of way, and directly related groundwater replenishment, if the project does not affect wetlands or sensitive habitat where construction impacts are mitigated and undertaken to mitigate drought conditions for which an emergency was proclaimed. Exempts a water treatment project in the City of Porterville.	08/01/2016 - From SENATE Committee on ENVIRONMENTAL QUALITY with author's amendments.;08/01/2016 - In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.
<u>AB 1755</u> Dodd (D)	Open and Transparent Water Data Act		Enacts the Open and Transparent Water Data Act. Requires the Department of Water Resources to create, operate, and maintain a statewide integrated water data platform that integrates existing water and ecological data information from multiple databases and provide data on completed water transfers and exchanges. Creates a related fund to provide money to specified entities for the improvement of water data or for certain other purposes of the Act.	08/01/2016 - From SENATE Committee on APPROPRIATIONS with author's amendments.;08/01/2016 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.;08/01/2016 - In SENATE Committee on APPROPRIATIONS: To Suspense File.

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<u>AB 1773</u> Obernolte (R)	Local Government Renewable Energy Program		Amends existing law that authorizes a local governmental entity to receive a bill credit to a designated benefiting account, for electricity exported to the electrical grid by an eligible renewable generating facility. Includes as a local governmental entity for this purpose a joint powers authority.	08/02/2016 - In SENATE. Read second time. To third reading.
<u>AB 1815</u> Alejo (D)	Global Warming Solutions Act of 2006		Requires the Environmental Protection Agency to establish a comprehensive technical assistance program, upon the appropriation of moneys from the Greenhouse Gas Reduction Fund, for eligible applicants assisting eligible communities. Requires the Agency to provide technical assistance to communities based on a specified priority. Requires the Department of Finance to include in a specified investment plan an allocation to the Agency for the technical assistance program.	05/27/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 1842</u> Levine (D)	Water: Pollution: Fines		Relates to discharge of various pollutants into the waters of the state. Imposes an additional civil penalty for each gallon or pound of material discharged. Requires that the civil penalty be reduced for every gallon or pound of the illegally discharged material that is recovered and properly disposed of by the responsible party. Prohibits a person from being subject to multiple civil penalties for the same act or failure to act. Relates to the Lempert-Keene-Seastrand Oil Spill Prevention and Response Act.	08/02/2016 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
<u>AB 1866</u> Wilk (R)	High-Speed Rail Bond Proceeds: Water Projects		Provides that no further bonds shall be sold for high-speed rail purposes pursuant to the Safe, Reliable High-Speed Passenger Train Bond Act for the 21st Century, except as specifically provided with respect to an existing appropriation for high-speed rail purposes for early improvement projects. Requires redirection of the unspent proceeds received from outstanding bonds issued for other high-speed rail purposes to fund capital expenditures for water projects.	04/11/2016 - In ASSEMBLY Committee on TRANSPORTATION: Failed passage.;04/11/2016 - In ASSEMBLY Committee on TRANSPORTATION: Reconsideration granted.
<u>AB 1871</u> Waldron (R)	Coastal Resources: Development: Water Supply Projects		Limits the growth-inducing impacts the Coastal Commission may consider in its review of a coastal development permit for a water supply project.	03/18/2016 - From ASSEMBLY Committee on NATURAL RESOURCES with author's amendments.;03/18/2016 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
<u>AB 1882</u> Williams (D)	Oil and Gas: Groundwater Monitoring		Requires the Division of Oil, Gas, and Geothermal Resources to provide an opportunity and the information necessary for the State Water Resources Control Board and the appropriate regional water quality	05/27/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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			control board to review, comment on, and propose additional requirements for Class II underground injection well projects.	
<u>AB 1925</u> Chang (R)	Desalination: Statewide Goal		Requires the State Department of Water Resources to establish a goal of a specific number of acre-feet of drinking water to be desalinated per year by a specified year and a greater number of acre-feet by a later year, as part of a comprehensive water plan that fully evaluates other, specified options.	05/04/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Not heard.
<u>AB 1928</u> Campos (D)	Water Efficiency Landscape Irrigation Equipment		Postpones the date by which the Resources Conservation and Development Commission is to adopt the performance standards and labeling requirements for landscape irrigation equipment prohibit the sale of that equipment unless it meets the performance standards and labeling requirements.	08/01/2016 - In SENATE Committee on APPROPRIATIONS: To Suspense File.
<u>AB 1986</u> Wilk (R)	Water Resources: Permit to Appropriate: Application		Requires, if the State Water Resources Control Board has not rendered a final determination on an application for a permit to appropriate water within a specified time period from the date the application to appropriate water was filed, the Board to issue a notice and provide an opportunity for protests before rendering a final determination.	05/27/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 1989</u> Jones (R)	Water and Greenhouse Gas Emissions Reduction		Requires the State Water Resources Control Board to develop and implement a grant and low-interest loan program for water projects that result in the net reduction of water-related greenhouse gas emissions.	05/27/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 2022</u> Gordon (D)	Advanced Purified Demonstration Water	Support	Authorizes the operator of an advanced purified demonstration water facility to cause the advanced purified demonstration water to be bottled and distributed as samples for educational purposes and to promote water recycling. Prohibits the advanced purified demonstration water in each bottle from exceeding a specified amount. Prohibits the water from being distributed unless it meets or is superior to all federal and state drinking water standards. Requires a recycling program for distributed bottles.	08/03/2016 - In SENATE. Read second time. To third reading.
<u>AB 2040</u> Melendez (R)	Outdoor Water Efficiency Act of 2016: Tax Credits		Allows, under the Personal Income Tax Law, a credit for a percentage of the amount paid or incurred by a qualified taxpayer for water-efficiency improvements on qualified real property in the State. Limits the cumulative amount for each qualifying property. Requires the amount of the credit to be multiplied. Requires the taxpayer to obtain and retain a	05/27/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.

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			certification of the improvements from the appropriate water agency and to provide a copy of same to the Franchise Tax Board upon request.	
<u>AB 2076</u> Garcia (D)	Water and Energy Use Efficiency: Breweries		Requires the Department of Water Resources to develop water and energy use efficiency certification guidelines for the production of beer that includes certification seals. Requires the Department of Alcoholic Beverage Control to consult in label design and approval for the use of a seal on a beer bottle. Provides the procedures for the application of certification of a brewery. Requires the submission of a certification fee.	04/11/2016 - Re-referred to ASSEMBLY Committees on WATER, PARKS AND WILDLIFE and GOVERNMENTAL ORGANIZATION.
<u>AB 2099</u> Stone (D)	Safe Drinking Water Benefit		Requires the State Department of Social Services to convene a workgroup to develop recommendations for delivering a water benefit to supplement that purchase of drinking water for low-income households with inadequate access to safe drinking water. Requires a plan for identification of eligible households and the delivery of the benefit to those households. Requires the submission of a report with the recommendations to specified entities.	08/01/2016 - In SENATE Committee on APPROPRIATIONS: Not heard.
<u>AB 2257</u> Maienschein (R)	Local Agency Meeting: Agenda: Online Posting		Amends the Ralph M. Brown Act, which enables the legislative body of a local agency to call both regular and special meetings. Requires online meeting agendas of specified legislative bodies to be posted on the agency's Web site homepage accessible through a direct link. Provides the requirements that exempts those legislative bodies from this requirement. Relates to integrated agenda management. Defines terms for these purposes.	08/02/2016 - In SENATE. Read second time. To third reading.
<u>AB 2292</u> Gordon (D)	Global Warming Solutions Act: Disadvantaged Communities		Requires the State Environmental Protection Agency to update the State Communities Environmental Health Screening Tool that identifies disadvantaged communities regarding the monitoring and regulation of sources of emissions of greenhouse gases, when it comes to investment opportunities in the multiyear investment plan for moneys in the Greenhouse Gas Reduction Fund.	05/27/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>AB 2304</u> Levine (D)	State Water Market Clearinghouse	Seek Amendments	Establishes the State Water Market Clearinghouse within the Natural Resources Agency for making the water transfer and exchange process more transparent and more efficient and to enhance access to voluntary water market transactions. Requires a water market platform on the Clearinghouse's Internet Web site regarding water transfer or exchange.	05/25/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Not heard.

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			Requires convening a related task force, and requires the Clearinghouse to consider and act on the recommendations regarding transfers or exchanges.	
<u>AB 2389</u> Ridley-Thomas S (D)	Special Districts: District-Based Elections		Amends existing law relating to special districts, district-based elections and reapportionment. Authorizes a governing body of a special district, to require, by resolution, the election of the members of its governing body be elected using district-based elections without being required to submit the resolution to the voters for approval. Requires the resolution to include a declaration that the change in the method of election is being made in furtherance of the purposes of the Voting Rights Act of 2001.	06/30/2016 - In SENATE. Read second time. To third reading.
<u>AB 2438</u> Waldron (R)	Environmental Quality Act		Relates to the Environmental Quality Act (CEQA). Exempts from CEQA a project for the construction and installation of a new pipeline or the maintenance, repair, restoration, reconditioning, relocation, replacement, removal, or demolition of an existing pipeline for the distribution of recycled water within a public street, highway, or right-of-way. Requires a public hearing.	06/29/2016 - In SENATE Committee on ENVIRONMENTAL QUALITY: Failed passage.;06/29/2016 - In SENATE Committee on ENVIRONMENTAL QUALITY: Reconsideration granted.
<u>AB 2444</u> Garcia E (D)	Water, Climate, Coastal Protection and Outdoor Access		Enacts the California Parks, Water, Climate, and Coastal Protection and Outdoor Access for All Act of 2016 which would authorize the issuance of bonds in an unspecified amount pursuant to the State General Obligation Bond Law to finance a water, climate, and coastal protection and outdoor access for all program.	08/01/2016 - From SENATE Committee on APPROPRIATIONS with author's amendments.;08/01/2016 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.;08/01/2016 - In SENATE Committee on APPROPRIATIONS: To Suspense File.
<u>AB 2446</u> Gordon (D)	State Water Resources Control Board: Judicial Review		Updates provisions regarding the issuance of a order by the State Water Resources Control Board and an aggrieved party petitioning the superior court for a writ of mandate for review of a decision or order issued by the Board. Provides that a decision or order under the Safe Drinking Water Act by the Board is not subject to court review if no aggrieved party petitions for such writ within a specified time period after a service of a copy of the order or decision issued by the Board.	08/02/2016 - In SENATE. Read second time. To third reading.
<u>AB 2456</u> Cooley (D)	Public Employee Retirement Benefits: Prefunding		Requires the Board of Administration of the Public Employee's Retirement System to develop, establish, and administer the State Employer's Pension Prefunding Trust Program in order to encourage State and local public	03/17/2016 - To ASSEMBLY Committee on PUBLIC EMPLOYEES, RETIREMENT AND SOCIAL SECURITY.;03/17/2016 - From ASSEMBLY Committee on PUBLIC

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			employers that provide a defined benefit pension plan to their employees to effectively manage their pension contributions.	EMPLOYEES, RETIREMENT AND SOCIAL SECURITY with author's amendments.;03/17/2016 - In ASSEMBLY. Read second time and amen
AB 2468 Hadley (R)	Public Employees' Retirement System		Authorizes a public agency that has contracted with the Board of Administration of PERS to offer an alternative formula from that required by the California Public Employees Pension Reform Act to be applicable to certain miscellaneous, nonsafety employees, if specified contingencies are satisfied. Requires that such employees who are not new members, that were employed by a public employer that did not contract with PERS until a specified date, be covered by a default benefit formula.	04/12/2016 - From ASSEMBLY Committee on PUBLIC EMPLOYEES, RETIREMENT AND SOCIAL SECURITY with author's amendments.;04/12/2016 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on PUBLIC EMPLOYEES, RETIREMENT AND SOCIAL SECURITY.
AB 2480 Bloom (D)	Source Watersheds: Financing		Declares state policy concerning source watersheds. States the importance of maintaining the reliability the State's water supply as climate change advances. Requires the maintenance and repair of certain watersheds to receive financing consideration on the same basis as certain water collection and treatment infrastructure. Specifies that certain activities are limited to specified forest ecosystem restoration and conservation activities.	08/01/2016 - From SENATE Committee on APPROPRIATIONS with author's amendments.;08/01/2016 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.;08/01/2016 - In SENATE Committee on APPROPRIATIONS: To Suspense File.
AB 2488 Dababneh (D)	Protected Species: Stickleback: Possession	Support	Permits the Department of Fish and Wildlife to authorize, under the State Endangered Species Act, the take of unarmored threespine stickleback attributable to the periodic dewatering, inspection, maintenance, modification, or repair of the Metropolitan Water District of Southern California's Foothill Feeder water supply facility from Castaic Dam to the Joseph Jensen Treatment Plant in the County of Los Angeles, if certain conditions are satisfied. Requires certain reporting by the District.	08/02/2016 - In SENATE. Read second time. To third reading.
AB 2515 Weber (D)	Water Conservation in Landscaping Act		Requires the Department of Water Resources to either update the model water-efficient landscaping ordinance or make a finding that an update to such ordinance at that time is not a useful or effective means to improve the efficiency of landscape water use or the administrative of the ordinance. Requires the Department to submit an update to the Building Standards Commission during the triennial revision process of the State Green Building Standards Code.	08/01/2016 - In SENATE Committee on APPROPRIATIONS: To Suspense File.
AB 2550 Patterson (R)	Instream Flow Curtailments and Compensation		Requires the State Water Resources Control Board to financially compensate a person who is unable to divert the full amount of water	03/08/2016 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.

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			authorized under his or her permit or license due to a board-issued instream flow curtailment, and a person who is required to file a statement of diversion and use is unable to divert the same amount of water in the succeeding year due to a board-issued instream flow curtailment.	
<u>AB 2551</u> Gallagher (R)	Contract Procurement: Surface Storage Projects		Allows a local agency to use the construction manager at-risk, design-build, or design-build operate method of delivery on a surface storage project. Requires such contracts to be awarded on the best value basis or to the lowest responsible bidder. Establishes a procurement process for these contracts. Provides reasons which would prohibit a contracting entity from being prequalified or short-listed.	08/03/2016 - From SENATE Committee on APPROPRIATIONS with author's amendments.;08/03/2016 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
<u>AB 2555</u> Levine (D)	Building Standards: Water Conserving Plumbing Fixtures		Requires the State Building Standards Commission to develop regulations and mandatory building standards for the installation of water conserving plumbing fixtures in existing nonresidential and public buildings, including installation in all nonresidential buildings by a specified date.	06/22/2016 - Withdrawn from SENATE Committee on NATURAL RESOURCES AND WATER.;06/22/2016 - Re-referred to SENATE Committee on RULES.;06/22/2016 - Re-referred to SENATE Committee on TRANSPORTATION AND HOUSING.
<u>AB 2578</u> Bigelow (R)	Environmental Quality Act: Exemptions: Water Service		Exempts from the requirements of the California Environmental Quality Act, a project within a public street or highway or other public right-of-way for the maintenance, repair, restoration, reconditioning, relocation, replacement, removal or demolition of an existing water distribution pipeline to address water leakage. Exempts activities undertaken by a local agency in response to a drought to acquire water supplies, extend service, or provide water for drinking and sanitation.	03/18/2016 - From ASSEMBLY Committee on NATURAL RESOURCES with author's amendments.;03/18/2016 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
<u>AB 2583</u> Frazier (D)	Sacramento-San Joaquin Delta Reform Act of 2009	Oppose	Relates to the Sacramento-San Joaquin Delta Reform Act of 2009, the Delta Stewardship Council, the Delta Plan and the California Water Fix. Provides that the new Delta water conveyance infrastructure is interdependent parts of a system. Amends the point of diversion to a point on the Sacramento River. Prohibits construction of a new Delta conveyance facility until contracts are signed by contractors who will receive the water that commit them to pay costs and to mitigate facility property taxes.	05/27/2016 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE without further action pursuant to JR 62(a).

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<u>AB 2594</u> Gordon (D)	Stormwater Resources: Use of Captured Water		Authorizes a public entity that captures stormwater, in accordance with a stormwater resource plan, before the water reaches a natural channel to use the captured water under certain circumstances.	08/01/2016 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
<u>AB 2601</u> Eggman (D)	Building Standard: Residential Property: Graywater		Requires the Department of Housing and Community Development to adopt and submit to Building Standards Commission for approval amendments to the building standards adopted pursuant to these provisions that require that all new single-family and duplex residential dwelling units include specified components to allow the separate discharge of graywater for direct irrigation.	03/10/2016 - To ASSEMBLY Committee on HOUSING AND COMMUNITY DEVELOPMENT.
<u>AB 2617</u> Mayes (R)	Water Efficiency Measures		Requires the Department of Water Resources to develop and solicit comments on a proposed report and, to issue a final report that contains recommendations to public entities to help them achieve water-resilient communities and prioritize cost-effective water efficiency measures with low adverse environmental impacts based on local conditions.	06/09/2016 - To SENATE Committee on RULES.
<u>AB 2801</u> Gallagher (R)	Local Government: Fees and Charges: Protest		Requires a local agency to keep written protests securely stored and sealed until a public hearing. Prohibits an agency from requiring such protest to include property identification other than street address unless there is not a street address, and from requiring such protest to be submitted on an agency form. Requires the agency maintain such protests for a minimum time period following the date of the hearing to consider the protests.	06/30/2016 - In SENATE. From Consent Calendar. To third reading.
<u>AB 2835</u> Cooper (D)	Public Employees: Orientation and Informational Programs		Requires public employers regulated by specified Acts to provide newly hired employees a specified public employee orientation. Requires the orientation to be conducted during regular workday at the worksite, and all newly hired employees attend the orientation in person. Requires the scheduling to be agreed upon with the recognized employee organization or exclusive representative. Authorizes a pre-orientation presentation by the organization. Requires providing certain information to the organization.	08/01/2016 - In SENATE Committee on APPROPRIATIONS: To Suspense File.
<u>AB 2890</u> Env Safety & Toxic Material Cmt	Drinking Water and Wastewater Operator Certification		Requires the State Water Resources Control Board to appoint an advisory committee to examine and certify people to operate water treatment plants and water distribution systems, and to review all proposed regulations and make recommendations to the Board. Relates to water treatment operator-in-training. Revises procedures for the suspension or revocation of a valid	06/28/2016 - In SENATE. Read second time. To third reading.

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			operator license. Authorizes certificate reciprocity. Provides certificate application fraud civil liability. Relates to an advisory committee.	
<u>AB 2909</u> Levine (D)	Water: Transfer or Exchange: Expedited Review	Support If Amended	Requires the Water Resources Board to develop and implement an expedited review process for approval or petitions to temporarily change the point of diversion, place of use, or purpose of use due to a transfer or exchange of water or water rights if the transfer is for a recurring water transfer or an environmentally beneficial transfer. Requires the development of a review process for reoccurring water transfers that utilize facilities of the State Water Project.	08/01/2016 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
<u>AB 2910</u> Local Government Cmt	Local Government: Organization: Omnibus Bill		Revises provisions of the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000 to remove references to a public agency's current service area and instead include references to the public agency's jurisdictional boundaries. Provides a purpose of a local agency formation commission is to encourage government services efficiency. Relates to commission membership. Relates to agency reorganization. Relates to uncollected revenues and taxes upon disincorporation. Relates to hospital districts.	08/04/2016 - In ASSEMBLY. ASSEMBLY concurred in SENATE amendments. To enrollment.
<u>ACA 8</u> Bloom (D)	Local Government Financing: Water Facilities: Voters		Proposes an amendment to the Constitution to create an exception to a limit for a rate imposed by a city, county, city and county, or special district to service bonded indebtedness incurred to fund the construction, reconstruction, rehabilitation, or replacement of wastewater treatment facilities and related infrastructure, potable water producing facilities and related infrastructure, nonpotable water producing facilities and related infrastructure, and stormwater treatment facilities and infrastructure.	06/23/2016 - To ASSEMBLY Committees on LOCAL GOVERNMENT and APPROPRIATIONS.
<u>SB 7</u> Wolk (D)	Housing: Water Meters: Multi-unit Structures		Requires a landlord to make submeter disclosures to a tenant prior to executing a rental agreement. Relates to tenant billing procedures and requirements. Authorizes building standards that require the installation of water submeters in multiunit residential buildings. Provides structure exemptions. Relates to landlord requirements. Relates to the use of meters or submeters in new mixed-use residential and commercial structures as a condition for service. Requires licensed contractors do the installation.	09/08/2015 - In ASSEMBLY. Read third time. Failed to pass ASSEMBLY.;09/08/2015 - In ASSEMBLY. Motion to reconsider.
<u>SB 32</u> Pavley (D)	Global Warming Solutions Act of 2006: Emissions Limit		Requires the State Air Resources Board to approve a specified statewide greenhouse gas emissions limits that are the equivalent to a specified	08/03/2016 - In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.

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			percentage below the 1990 level to be achieved by 2030. Requires the Board to prepare and submit to the Joint Legislative Budget Committees and appropriate policy committees a report relating to the greenhouse gas emission reduction achieved towards those limits.	
<u>SB 122</u> Jackson (D)	Environmental Quality Act: Record of Proceedings		Amends the Environmental Quality Act. Relates to a database for the collection, storage, retrieval, and dissemination of environmental documents, notices of exemption, notices of preparation, notices of determination, and notices of completion provided to the office that shall be available online to the public through the internet. Provides for the phase-in of electronic documents. Requires the lead agency to submit to the State Clearinghouse a sufficient number of environmental documents for review.	08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Not heard.
<u>SB 163</u> Hertzberg (D)	Wastewater Treatment: Recycled Water	Oppose	Declares that it is a waste and unreasonable use of water to discharge treated wastewater from an ocean or bay outfall, or for a water supplier or water replenishment district to not take treated wastewater made available for certain purposes. Requires related regulations. Requires permit holders to submit plans to achieve beneficial reuse of treated wastewater. Requires reuse of a specified percentage of such wastewater. Requires convening an advisory group. Authorizes specified fees.	06/14/2016 - In ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS: Heard, remains in Committee.
<u>SB 223</u> Galgiani (D)	Division of Boating and Waterways: Oversight Committee		Requires the Division of Boating and Waterways to establish an advisory and oversight committee to evaluate and monitor the activities of the Division relating to the management and control or eradication of invasive aquatic plants. Provides the expertise of members of the committee. Requires the committee to meet a specified amount of times per year and to communicate any findings or recommendations to the Division.	08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>SB 248</u> Pavley (D)	Oil and Gas		Provides for an inspection program for all activities regulated pursuant to provisions concerning drilling, operation, maintenance, and abandonment of oil and gas wells and certain tanks and facilities. Requires inspections to be reported and posted, and the recording of information in a well history, including fluid injection, chemical composition, and waste disposal injection. Provides for shutdown. Requires updating related regulations. Requires notification and clearance of chemical injection.	08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Not heard.

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<u>SB 286</u> Hertzberg (D)	Electricity: Direct Transactions		Requires the Public Utilities Commission to adopt and implement a schedule that implements a specified phase-in period for expanding direct transactions for individual retail nonresidential end-use customers over a maximum time period, raising the allowable limit of kilowatthours that can be supplied by other electrical corporation's distribution service territory to that corporation's share of the gigawatthours. Requires such customers to be responsible for their share of the costs of specified programs.	03/01/2016 - From ASSEMBLY Committee on APPROPRIATIONS with author's amendments.;03/01/2016 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
<u>SB 471</u> Pavley (D)	Water, Energy, Reduction of Greenhouse Gas Emissions		Includes reduction of greenhouse emissions associated with water treatment among the investments that are eligible for funding from the Greenhouse Gas Reduction Fund. Requires the State Water Resources Control Board to establish a grant and loan program for water projects that result in the net reduction of water-related greenhouse gas emissions.	08/27/2015 - In ASSEMBLY. Joint Rule 62(a) suspended.;08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>SB 551</u> Wolk (D)	State Water Policy: Water and Energy Efficiency	Seek_Amend	Declares the policy of the state that water use and water treatment shall operate in a manner that is as energy efficient as in feasible and energy use and generation shall operate in a manner that is as water efficient as is feasible. Requires all relevant state agencies to consider this state policy when revising, or establishing policies, regulations, and grant criteria when pertinent to these uses of water and energy.	08/27/2015 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.
<u>SB 552</u> Wolk (D)	Public Water Systems: Disadvantaged Communities		Authorizes the state board to order consolidation where a public water system or a state small water system, serving a disadvantaged community, fails to provide an adequate supply of safe drinking water. Limits the authority of the state board to order consolidation or extension of service to provide that authority. Includes a mobilehome park. Relates to funding and public meetings regarding delivery of safe drinking water.	08/03/2016 - In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
<u>SB 554</u> Wolk (D)	Delta Levee Maintenance		Relates to the maintenance or improvement of project or nonproject levees in the Sacramento-San Joaquin Delta. Declares legislative intent to reimburse up to a certain percent of costs incurred in any year for the maintenance or improvement of levees in excess of a specified sum per mile of levee and authorizes a specified board to advance funds in an amount that does not exceed a certain percent of the estimated state share to an eligible local agency.	06/29/2016 - In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 814</u> Hill (D)	Drought: Excessive Water Use: Urban Retail Water Supply	Watch	Prohibits excessive water use during specified time periods. Requires each urban retail water supplier to establish a method to identify and discourage excessive water use. Authorizes the establishment of a rate structure that penalizes such excessive water users. Authorizes an excessive water use ordinance, rule, or tariff condition. Makes a violation thereof an infraction or administrative civil penalty. Authorizes the penalty for a violation to be based on conditions identified by the water supplier.	08/04/2016 - In ASSEMBLY. Read third time. Passed ASSEMBLY. *****To SENATE for concurrence.
<u>SB 885</u> Wolk (D)	Contracts: Design Professionals: Indemnity	Oppose	Specifies, for contracts, that a design professional only the has the duty to defend claims that arise out of, or pertain or relate to, negligence, recklessness, or willful misconduct of the design professional. Prohibits a waiver of these provisions. Updates claims defense procedures. Provides any clause, covenant, or agreement contained in, collateral to, or affecting a contract that requires a design professional to defend claims or lawsuits against other persons or entities is void and unenforceable.	06/16/2016 - From ASSEMBLY Committee on JUDICIARY with author's amendments.;06/16/2016 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on JUDICIARY.
<u>SB 919</u> Hertzberg (D)	Water Supply: Creation or Augmentation of Local Water		Requires the Public Utilities Commission to address the oversupply of renewable energy resources through a tariff or other economic incentive for electricity purchased by customers operating facilities that create or augment local water supplies to reduce the cost of electricity to those facilities.	08/04/2016 - In ASSEMBLY. Read second time. To Consent Calendar.
<u>SB 970</u> Leyva (D)	Greenhouse Gas Reduction Fund: Grants: Recyclables	Support In Concept	Requires the Department of Resources Recycling and Recovery, in awarding a grant for organic composting or anaerobic digestion under the grant program under the Greenhouse Gas Reduction Fund for financial assistance to reduce such gas emissions, to consider the amount of greenhouse gas emission reductions that may result from the project and the amount of organic material that may be diverted from landfills as a result of the project. Permits grants for large-scale regional integrated projects.	08/03/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Not heard.
<u>SB 974</u> Governance and Finance Cmt	Local Government: Omnibus	Support	Amends existing law regarding local government to include storing survey records, military discharge copy fees, notaries public, city financial condition reports, local sinking fund moneys investment, the Subdivision Map Act, local safety land use elements, Fort Ord reuse and redevelopment, sewage services and facilities fees, use of design-build, vehicle license fees, income tax collection, floating home taxation,	08/04/2016 - In ASSEMBLY. Read third time and amended. To third reading.

IRWD 2016 LEGISLATIVE MATRIX
Updated 08/05/2016

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			synthetic grass, business assessments, and liquefied petroleum tax revenues.	
<u>SB 995</u> Pavley (D)	Well Standards		Requires the Department of Water Resources to update well standards for water wells, monitoring wells and cathodic protection wells based on existing knowledge and to submit these standards to the State Water Resources Control Board. Includes abandonment ordinances. Requires the state board to revise the model ordinances upon receipt of the standards.	08/03/2016 - In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
<u>SB 1026</u> Nielsen (R)	Lake or Streambed Alteration Agreements		Relates to lake or streambed alteration agreement. Limits the diversions and obstructions governed by alteration agreement requirements to the diversions and obstructions that alter the bed, channel, or bank of a river, stream or lake. Exempts routine maintenance and repair of facilities for instream agricultural diversions.	04/12/2016 - In SENATE Committee on NATURAL RESOURCES AND WATER: Failed passage.
<u>SB 1043</u> Allen (D)	Biogas and Biomethane		Requires the State Air Resources Board to consider and adopt policies to significantly increase the sustainable production and use of biogas. Requires the Board, to ensure the production and use of renewable gas provides direct environmental benefits and identify barriers to the rapid development and use of biogas and potential sources of funding. Revises the definition of biogas and biomethane for pipeline integrity and safety purposes.	05/27/2016 - In SENATE Committee on APPROPRIATIONS: Held in committee.
<u>SB 1173</u> Hertzberg (D)	Plumbing Fixtures: CalConserve Water Use Efficiency		Requires for commercial property the replacement of any noncompliant fixture or fitting in specified additions, alterations, and improvements to such property and the replacement of any noncompliant plumbing fixture or fitting in all such property in accordance with a specified schedule based on floor space. Provides related definitions. Authorizes county offices of education and school district boards to receive moneys from the CalConserve Water Use Efficiency Fund for efficiency projects.	03/30/2016 - From SENATE Committee on TRANSPORTATION AND HOUSING with author's amendments.;03/30/2016 - In SENATE. Read second time and amended. Re-referred to Committee on TRANSPORTATION AND HOUSING.
<u>SB 1213</u> Wieckowski (D)	Renewable Energy: Biosolids: Matching Grants		Requires the Energy Resources Conservation Commission to develop and implement the Biosolids to Clean Energy Grant Program to provide matching funds to local wastewater agencies for biosolids to clean energy capital projects. Appropriates a specified amount of funds annually to the Commission for purposes of the program.	05/27/2016 - In SENATE Committee on APPROPRIATIONS: Held in committee.

IRWD 2016 LEGISLATIVE MATRIX
Updated 08/05/2016

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 1233</u> McGuire (D)	Joint Powers Authority: Water Bill Savings Act		Enacts the Water Bill Savings Act. Authorizes a joint powers authority to provide funding for a customer of a local agency or its publicly owned utility to acquire, install, or repair a water efficiency improvement on the customer's property served by the local agency or its publicly owned utility. Requires repayment through an efficiency charge on the customer's water bill. Authorizes the authority to issue bonds to fund the program. Makes technical changes.	08/03/2016 - In ASSEMBLY. Read second time. To third reading.;08/03/2016 - Re-referred to ASSEMBLY Committee on APPROPRIATIONS.
<u>SB 1260</u> Allen (D)	Stormwater: Municipalities: Online Resource Center		Requires the State Water Resources Control Board to establish an online resource center that addresses measures available for municipalities to comply with municipal stormwater permit requirements. Authorizes the inclusion of certain information.	08/04/2016 - In ASSEMBLY. Read third time. Passed ASSEMBLY. To enrollment.
<u>SB 1262</u> Pavley (D)	Water Supply Planning		Requires a city or county that determines a project is subject to the California Environmental Quality Act to identify any water system whose service area includes the project site and any water system adjacent to the project site. Provides that hauled water is not a source of water for the purposes of an assessment. Revises the definition of sufficient water supply.	08/04/2016 - In ASSEMBLY. Read second time. To third reading.
<u>SB 1263</u> Wieckowski (D)	Public Water System: Permits		Requires a person submitting an application for a permit for a proposed new public water system to first submit a preliminary technical report to the State Water Resources Control Board before initiating construction of any water-related improvement. Directs specified procedures to be followed by the applicant before submitting the application. Provides the bases for denial of such permit by the Board. Prohibits a building permit for residential development when the water is provided using certain methods.	08/04/2016 - In ASSEMBLY. Read second time. To third reading.
<u>SB 1298</u> Hertzberg (D)	Local Government: Fees and Charges	Concerned	Provides for definition of the terms proportional cost of the service attributable to the parcel and sewer services for these purposes.	08/02/2016 - In ASSEMBLY. Read second time. To third reading.
<u>SB 1317</u> Wolk (D)	Groundwater Extraction Permit	Oppose Unless Amend	Requires a city or county overlying a basin designated as a high- or medium- priority basin to establish a process for the issuance of a groundwater extraction permit for the development of a groundwater extraction facility that requires an applicant to demonstrate the extraction from a proposed facility will not contribute to or create an undesirable	06/28/2016 - In ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Not heard.

IRWD 2016 LEGISLATIVE MATRIX
Updated 08/05/2016

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			result. Provides a city or county overlying such basin does not have to have a permit process under specified conditions.	
<u>SB 1318</u> Wolk (D)	Local Government: Drinking Water and Wastewater Service		Amends existing law that regulates to formation, consolidate, and merger of new districts to include annexation of a disadvantaged unincorporated community, a special district's sphere of influence, the review of adequacy and need for water and wastewater services in such communities, and a service review of the municipal services of unincorporated island, fringe, or legacy communities.	06/09/2016 - To ASSEMBLY Committees on LOCAL GOVERNMENT and ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>SB 1340</u> Wolk (D)	Water Conservation in Landscaping Act		Requires a local agency to require a permit for the installation of specified automatic irrigation systems, or the expansion of the same specified automatic irrigation system to increase the irrigated area by a specified percentage or more, for a landscape project. Allows the governing body of a local agency to adopt an ordinance prescribing fees for filing an application for the permit, subject to restrictions. Authorizes specified persons to submit the application for a residential landscape system.	08/03/2016 - In ASSEMBLY Committee on APPROPRIATIONS: Not heard.
<u>SB 1383</u> Lara (D)	Short-Lived Climate Pollutants		Requires the State Air Resources Board to approve and begin implementing a comprehensive strategy to reduce emissions of short-lived climate pollutants to achieve a specified reduction in methane, hydro-fluorocarbon gases, and anthropogenic black carbon below 2013 levels by 2030.	08/03/2016 - In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
<u>SB 1415</u> Bates (R)	Environmental Quality Act: Local Water Projects		Amends the Environmental Quality Act which requires a lead agency to call a scoping meeting for transportation-related projects and projects of statewide, regional, or areawide significance to require that lead agency to call a scoping meeting to receive public comments for local projects for stormwater or dry weather runoff capture and reuse, water recycling, or wastewater treatment to improve water quality.	04/21/2016 - Re-referred to SENATE Committee on APPROPRIATIONS.
<u>SB 1425</u> Pavley (D)	Water Energy Nexus Registry		Requires the State Air Resources Board to develop a registry of greenhouse gas emission resulting from the water-energy nexus using the best available data including specified actions of a former registry as they relate to the water-energy nexus. Requires a contract with the Climate Registry to develop and administer the registry.	08/03/2016 - In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.

IRWD 2016 LEGISLATIVE MATRIX
Updated 08/05/2016

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 1440</u> Cannella (R)	Water Supply and Infrastructure Improvement		Requires a lead agency, in certifying the environmental impact report and in granting approvals for certain water storage projects funded, in whole or in part, by Proposition I, to comply with specified procedures. Authorizes the lead agency to concurrently prepare the record of proceedings for the project. Requires the Judicial Council to adopt a rule of court to establish procedures applicable to actions or proceedings seeking judicial review.	03/10/2016 - To SENATE Committees on ENVIRONMENTAL QUALITY and JUDICIARY.
<u>SB 1456</u> Galgiani (D)	Safe Drinking Water State Revolving Fund Law		Amends an existing law which establishes the Safe Drinking Water State Revolving Fund. Authorizes certain costs to be funded by loans or other repayable financing, grants, principal forgiveness, or a combination of grants and loans or other financial assistance, regardless of whether a public water system is a community public water system or a not-for-profit noncommunity public water system. Limits the principal forgiveness to capital improvements serving specified severely disadvantaged communities.	08/03/2016 - In ASSEMBLY Committee on APPROPRIATIONS: To Suspense File.
<u>HR 2689</u> Walters (R)	Eligible Water Resources Projects	Support	Clarifies the scope of eligible water resources projects under the Water Resources Development Act of 1986 and the Water Resources Reform and Development Act of 2014.	06/10/2015 - In HOUSE Committee on TRANSPORTATION & INFRASTRUCTURE: Referred to Subcommittee on WATER RESOURCES AND ENVIRONMENT.
<u>HR 4615</u> Huffman (D)	Water Department Gross Income Exclusion	Support	Amends the Internal Revenue Code of 1986 to exclude from gross income amounts received from a water department for water conservation efficiency measures and water runoff management improvements.	02/25/2016 - INTRODUCED.;02/25/2016 - To HOUSE Committee on WAYS AND MEANS.
<u>S 2533</u> Feinstein (D)	Water Supplies for California and Drought Resiliency		Provides short-term water supplies to drought-stricken California, provides for long-term investments in drought resiliency throughout the Western United States.	05/17/2016 - Subcommittee on WATER AND POWER hearings held.
<u>S 2848</u> Inhofe (R)	Water Conservation and Development		Provides for the conservation and development of water and related resources, authorizes the Secretary of the Army to construct various projects for improvements to rivers and harbors of the United States.	06/20/2016 - From SENATE Committee on ENVIRONMENT AND PUBLIC WORKS: Reported by Senator Inhofe as amended.;06/20/2016 - In SENATE. Placed on SENATE Legislative Calendar under General Orders.

Exhibit “B”

2016 Legislative Update Report:
Links to Bill Texts
(as of August 5, 2016)

Bill Number/Version Date	Link to Bill Text
AB 2087 (Levine), as amended August 1, 2016	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201520160AB2087
AB 2909 (Levine), as amended on August 1, 2016	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201520160AB2909
SB 1298 (Hertzberg), as amended August 1, 2016	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201520160SB1298

August 11, 2016

Prepared and

submitted by: C. Compton 

Approved by: P. Cook 

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

REVIEW OF IRWD ASSOCIATION MEMBERSHIPS

SUMMARY:

Staff has compiled a summary of the associations of which IRWD is a member and pays membership dues of \$500 or more per year (major memberships). The total amount of membership dues paid by IRWD in Fiscal Year 2015-16 was approximately \$320,000 with major membership expenses totaling \$311,580.18. A summary of the major memberships for Fiscal Year 2014-15 and Fiscal Year 2015-16 is attached as Exhibit "A".

Staff will present the summary to the Committee for discussion on the value of continuing membership in the listed associations. Staff will be prepared to review the purpose of these memberships, identify memberships and sponsorships that are of lower priority and value to the District, and identify association and sponsorship opportunities for discussion.

FISCAL IMPACTS:

Dues for IRWD association memberships are included in each annual operating budget.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

That the Committee review and discuss the current list of IRWD association memberships and association and sponsorship opportunities.

LIST OF EXHIBITS:

Exhibit "A" – Summary of IRWD's Major Association Memberships

EXHIBIT “A”

Summary of IRWD’s Major Association Memberships

PROFESSIONAL ASSOCIATIONS	FY 2014/2015	FY 2015/2016
ALLIANCE FOR WATER EFFICIENCY	\$1,535.69	\$1,535.69
AMERICAN WATER WORKS ASSOCIATION	\$9,568.00	\$9,666.00
ASSOCIATION OF CALIFORNIA CITIES - ORANGE COUNTY	\$5,000.00	\$5,000.00
ASSOCIATION OF CALIFORNIA WATER AGENCIES	\$34,502.00	\$34,074.67
BIOENERGY ASSOCIATION OF CALIFORNIA	\$3,500.00	\$0.00*
CALDESAL	\$5,000.00	\$10,000.00
CALIFORNIA ASSOCIATION OF PUBLIC PROCUREMENT OFFICIALS, INC.	\$630.00	\$650.00
CALIFORNIA ASSOCIATION OF SANITATION AGENCIES	\$18,720.00	\$18,720.00
CALIFORNIA COUNCIL FOR ENVIRONMENTAL AND ECONOMIC BALANCE- <i>California Environmental Dialogue</i>	\$20,500.00	\$22,000.00
CALIFORNIA COUNCIL FOR ENVIRONMENTAL AND ECONOMIC BALANCE- <i>Water Quality Task Force</i>	\$10,000.00	\$10,000.00
CALIFORNIA MUNICIPAL UTILITIES ASSOCIATION	\$9,491.00	\$9,717.00
CALIFORNIA SPECIAL DISTRICTS ASSOCIATION	\$5,691.00	\$6,089.00
CHLORINE INSTITUTE, THE	\$840.00	-
CLEAN TECH OC	\$1,000.00	\$1,000.00
CUWCC	\$6,995.46	\$6,971.79
INTERNATIONAL PUBLIC MANAGEMENT ASSOCIATION OF HUMAN RESOURCES	\$783.00	\$783.00
IRVINE CHAMBER OF COMMERCE	\$1,600.00	\$1,600.00
LIEBERT CASSIDY WHITMORE- <i>Orange County Human Resources Employment Relations Consortium</i>	\$3,095.00	\$3,245.00
NEWPORT BEACH CHAMBER OF COMMERCE	\$2,500.00	\$2,500.00
NWRI	\$50,000.00	\$100,000.00**
ORANGE COUNTY BUSINESS COUNCIL	\$5,000.00	\$5,000.00
ORANGE COUNTY FORUM	\$1,000.00	\$1,000.00
SOUTH ORANGE COUNTY REGIONAL CHAMBER OF COMMERCE/SOUTH ORANGE COUNTY ECONOMIC COALITION	\$2,500.00	\$0.00*
SOUTHERN CALIFORNIA ALLIANCE OF PUBLICLY OWNED TREATMENT WORKS	\$10,114.00	\$10,114.00
SOUTHERN CALIFORNIA WATER COMMITTEE	\$5,000.00	\$5,000.00
TUSTIN CHAMBER OF COMMERCE	\$775.00	\$775.00
UNIVERSITY OF CALIFORNIA- <i>Department of Civil & Environmental Engineering</i>	-	\$1250.00
UNIVERSITY OF SOUTHERN CALIFORNIA- <i>Foundation for Cross-Connection Control and Hydraulic Research</i>	\$1,000.00	\$1,000.00
URBAN WATER INSTITUTE, INC.	\$1,250.00	\$1,250.00
WATER EDUCATION FOUNDATION	\$15,800.00	\$18,170.00
WATER ENVIRONMENTAL RESEARCH FOUNDATION	\$8,082.00	\$8,280.00
WATEREUSE ASSOCIATION	\$8,624.00	\$8,624.00
WATEREUSE RESEARCH FOUNDATION	\$6,000.00	\$6,000.00
TOTAL	\$255,466.15	\$311,580.18

*Invoice timing resulted in renewal payment in next fiscal year. ** Invoice timing resulted in multiple membership payments in fiscal year.

August 11, 2016

Prepared by: B. Beeman

Submitted by: P. Weghorst

Approved by: Paul Cook 

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

SELECTION OF NEW IRWD LOGO DESIGN

SUMMARY:

For over 50 years, the IRWD logo has been recognized as the District's symbol for its high-quality, reliable and cost-effective water, sewer and urban runoff treatment services. Features of the existing logo are outdated and an opportunity exists to update the logo in a way that not only acknowledges the District's history, but also reflects its current services and programs. At the Water Resources Policy and Communications Committee meeting in July, Chapman University student interns presented several draft logo concepts for review and input. Staff has incorporated Committee input, refined the student designs and applied the creative expertise of IRWD's graphic artists. At the meeting, staff will present refined design concepts the Committee select a preferred logo design to be presented to the Board for further consideration.

BACKGROUND:

IRWD's logo has long been used for District-related communications, outreach and education materials. It has come to be viewed by IRWD's customers as a symbol that represents the District's high-quality, reliable and cost-effective water, sewer and urban runoff treatment services, programs, facilities and employees. The logo is also recognized by other water resource organizations, local state and federal governmental agencies, the Administration, legislature and many others.

Need for Redesign:

While there have been benefits to IRWD retaining the same logo for over 50 years including ease of recognition, image stability and public perception, the current logo utilizes design features that are outdated. The font style and graphic contained within the logo no longer conform to modern style standards. When printing or displaying the logo in smaller sizes, it can be difficult to view or read text contained within the logo. In addition, the central graphic within the logo shows a water cycle that is obsolete. An opportunity exists to update the logo in a way that not only acknowledges the District's history, but also reflects IRWD's current services and programs.

Logo Redesign:

IRWD has implemented a multi-phased approach to redesigning the District's logo. The first phase involved working with Chapman University student interns to formulate the District's vision for a logo that represents the future of IRWD. The Chapman University student interns presented logo design concepts for review and input at the Water Resources Policy and Communications Committee meeting in July. In the second phase of the project, staff has incorporated input from the Committee and applied the creative expertise of IRWD graphic artists to come up with refined logo designs. These designs will be presented at the Committee

meeting. With Committee approval, a final logo design will be presented to the Board for its consideration.

Once the new design is selected, staff will use a transitional strategy to implement the new logo. This strategy will minimize disruption in business practices and will spread the financial impact of replacing all uses of the existing IRWD logo through time.

FISCAL IMPACTS:

Funding is included in the Fiscal Year 2016-17 Operating Budget for the logo redesign project.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

That the Committee select a preferred IRWD logo design that will be presented to the Board for further consideration.

LIST OF EXHIBITS:

None.

August 11, 2016

Prepared by: A. McNulty

Submitted by: F. Sanchez/P. Weghorst

Approved by: Paul Cook 

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

CONSULTANT SELECTION FOR THE WATER SMART REPORTS PROGRAM

SUMMARY:

The Water Smart Reports Program provides customers with personalized water use reports separate from their monthly water bills. The data analytics portion of the program provides staff with program tracking and analysis capabilities. In April 2016, a Request for Proposal (RFP) for continued implementation and enhancement of the program was circulated and two proposals were received. Staff has carefully evaluated the proposals and conducted interviews. Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with WaterSmart Software to provide program services for a three-year term in the amount of \$489,510.

BACKGROUND:

In 2012, IRWD first tested the efficacy of providing its customers with information on their water use separate from what was provided on their bills. This test occurred through the implementation of a pilot program. The information was presented to customers in a visually appealing and easy-to-understand way, coupled with social norming messages about how efficiently they use water. Following is an overview of the 2012 pilot program and the current Water Smart Reports Program. Also provided is an overview of the process used for the selection of a consultant to continue the program for the next three years.

2012 Pilot Study:

In 2012, IRWD entered into a Professional Services Agreement with WaterSmart to implement a Pilot Water Smart Reports Program. The pilot was designed to evaluate the effectiveness of providing customers with supplemental water use information that was separate from what is provided on their water bills. Information about their water use relative to similar customers was also provided. An evaluation of the pilot indicated that over the course of one year, approximately 1,000 participating homes used 2.3% less water than the control group of homes.

Current Water Smart Reports Program:

Based on the success of the pilot, a larger scale program involving 15,000 high water use residential customers was implemented in FY 2013-14 with WaterSmart's assistance. Since then, the Program has been expanded and extended through execution of variances to WaterSmart's Professional Services Agreement. Key features of the program are the residential customer reports, online residential and commercial customer portals and data analytics and tracking as described below.

Customer Reports:

IRWD's customers currently receive monthly water use reports from WaterSmart. Reports for residential customers provide a context within which a customer's water use is compared with similar households. Inclusion of comparisons with other households informs customers if they are part of the norm in their communities. Customers who are unaware that their water use is excessive compared with others may be motivated to change the way they use water once they have a better understanding of their own water use.

Customer Portals:

The online residential customer portal presents customer water usage data in a visually appealing manner. Customers can view historical usage, their performance measured against similar customers and their monthly water budget. The portal provides information on the number of people in the home, the irrigated area and other variance information for residential accounts. At the commercial customer portal, customers can record information on the number of rebates received, the number of full-time employees and the water-using equipment and efficiency benchmarks in use. Commercial customers can also monitor water use trends over time which then can be included with internal company reports. The commercial portal allows multiple logins so that authorized property management or landscape contractors can access water use data and monitor account performance on behalf of the multiple customers they serve.

Program Tracking and Data Analytics:

The Water Smart Program data management and customer interface capabilities provide staff with a tool to manage and evaluate the effectiveness of conservation programs. The utility dashboard provides data analytics that enables targeting of conservation programs based on customer attributes which allows staff to maximize the effectiveness of marketing. Staff can also easily survey customers for additional information to refine future program targeting. Monthly messaging varies by customer depending upon each customer profile and water use pattern. Customers can be formed into cohorts for monitoring of program participation or for targeted program marketing.

Consultant Selection Process:

In April 2016, staff circulated an RFP to four consulting firms to provide Water Smart Report Program services for the next three years. Proposals were received from WaterSmart and Smart Utility Systems. After completing a thorough evaluation of the written proposals, conducting interviews with each firm and checking all references provided, staff recommends the selection of WaterSmart to provide the services requested. WaterSmart's approach will provide IRWD the ability to monitor and evaluate conservation program effectiveness, to tailor outreach messaging and to receive the support of a water utility network consisting of other participating water agencies. Key strengths of WaterSmart's proposal are as follows:

- The business and products are entirely focused on water utilities, which results in a superior understanding of the needs of water utilities and offers the added benefit of leveraging features developed for other water utilities;
- The approach incorporates a continuous improvement element where after technical development, ongoing collaboration and continual development will be provided;
- Provides an understanding of social and behavioral sciences which will assist staff in strategically reaching customers with information and messaging that is most likely to resonate with them;
- Training is provided as program changes are made or upon request; and
- Program enhancements offered include text messaging capability, multiple login credentials per account, user defined alert notifications, accessibility from mobile phones, interactive resources with how-to videos, ability to link to resources on IRWD's website, a group messaging feature for targeted customer groups and conservation program marketing and monitoring capability.

Staff has prepared a consultant evaluation and selection matrix which is attached as Exhibit "A". WaterSmart's scope of work, cost estimate and schedule is attached as Exhibit "B".

FISCAL IMPACTS:

The cost of WaterSmart Software facilitating the Water Smart Reports Program would be \$163,170 per year for a total \$489,510 for the three-year term. Funds for FY 2016-17 are included in the approved Operating Budget.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

That the Board authorize the General Manager to execute a Professional Services Agreement with WaterSmart Software in the amount of \$489,510 to provide Water Smart Reports Program Services for the next three years.

LIST OF EXHIBITS:

Exhibit "A" – Consultant Selection Matrix
Exhibit "B" – WaterSmart Software's Scope of Work

EXHIBIT A

Water Smart Reports Program Consultant Selection Matrix

Item	Description	Weights	Smart Utility Systems		WaterSmart Software	
A	TECHNICAL APPROACH	60%	(1 - highest, 2 -lowest)		(1 - highest, 2 lowest)	
1	Adherence to RFP Requirements	10%	1		2	
2	Understanding of required services and project c	25%	2		1	
3	Approach and Methodology	45%	2		1	
4	Schedule	20%	2		1	
	Weighted Score (Technical Approach)		1.90		1.10	
B	QUALIFICATIONS AND EXPERIENCE	40%				
			2		1	
1	Project Manager	30%	Thuy -An Nguyen		Ora Chaiken	
2	Principal-in-Charge	10%	2		1	
			Travis Parker		Doug Flanzer	
2	Technical Leads	25%	1		2	
			Manoj Singh		Chad Haynes	
			Atul Someshwar		Drew Bazan	
					Will Holleran	
			Megan Morgan			
			Sabyasachi Swain			
3	Project Team Experience (sub and prime)	25%	2		1	
4	Firm's Relevant Experience (sub and prime)	10%	2		1	
	Weighted Score (Experience)		1.75		1	
	COMBINED WEIGHTED SCORE		1.84		1.16	
	Ranking of Consultants					
C	SCOPE OF WORK					
TASK			ANNUAL TASK HOURS	TASK COST	ANNUAL TASK HOURS	TASK COST
1	Program Design (design & configuration)		215	\$18,792	372	\$6,900
2	Program Implementation (test, deploy, stabilize & manage)		241	\$16,443	516	\$3,413
3	Staff Training		3 sessions	\$4,698	24	\$2,700
4	Program Management		65	\$7,047	372	\$58,050
5	Software License Cost		0	\$197,808	0	\$92,108
6						
7	Additional for each Paper Report including Postage		2500 increments	0.78 each		\$0.68
8	Additional for each Email Report		unlimited	\$0		\$0.12
9						
10						
11						
	SUB-TOTAL SERVICES, FEES (Does Not Include Optional Items)		521	\$171,352	1,284	\$163,170
15	Optional Items		(annual cost for 3 year contract)		(annual cost for 3 year contract)	
	TOTAL SERVICES, FEE		521	\$171,352	1,284	\$163,170
	Does not include optional tasks	Avg \$/hr		\$329		\$127
D	OTHER					
	Miscellaneous Items					
	Multiplier					
	Conflict of Interest		No		No	
	Joint Venture		No		No	
	Scope of Work Exclusions		No		No	
	Exceptions taken to IRWD Std. Contract		No		Yes	
	Insurance (Professional & General Liability)		Yes		Yes	

EXHIBIT "B"

IRVINE RANCH WATER DISTRICT CUSTOMER ENGAGEMENT AND ANALYTICS PROGRAM



20 California Street, Suite 200



Office: 415.366.8622
Cell: 650.207.1173



watersmart.com
ora@watersmart.com

Detailed Scope of Work

WaterSmart Software offers a full customer engagement and analytics platform including a Customer Portal for all customer accounts, a Mobile Web Portal, a Utility Dashboard to provide Irvine Ranch Water District with analytics and communication tools, alerts and notifications, as well as a host of other customer communication tools. As a software-as-a-service provider, WaterSmart will provide all major program elements to IRWD.

- Program setup, configuration, and initialization, including data collection;
- Hosting of WaterSmart Customer Portal (including Mobile Portal) and Utility Dashboard;
- Provision of alerts and notifications and other customer communications; and
- Program training for District staff and on-going customer service.

An overview of WaterSmart's Program features that will meet the requirements and tasks of the IRWD (RFP) is provided below.

TASK 1: PROGRAM DESIGN

Design of Customer-facing Web Application, Agency Facing Dashboard, and Customer Water Use Reports

WaterSmart is experienced and eager to provide a designed Customer-facing Web Application, Agency Facing Dashboard, and Customer Use Reports for Irvine Ranch Water District.

Below, you will find details regarding WaterSmart's Customer Portal (Customer-facing Web Application) and Water Reports (Customer Water Use Reports).

CUSTOMER PORTAL (CUSTOMER-FACING WEB APPLICATION)

The WaterSmart Customer Portal is available to all selected customer and meter types, providing customers with valuable resources to better understand their water use, view and pay their bill, learn ways they can reduce their water consumption, recommendations for ways to reduce water use,

create leak and threshold alerts, and create a water- and money-saving action plan. IRWD will have the opportunity to approve the recommendations and provide WaterSmart with information on available rebates and incentives that should be flagged within relevant water saving recommendations. The WaterSmart Project Manager will assist in customizing this content at the start of the Program (Please refer to Appendix A, Figure 3).

Key features of the Customer Portal include:

- Consumption in Gallons per Day (GPD) from the last reading period compared to a water budget or similar accounts.
- Interactive water-saving recommendation library, customized for each individual customer profile with step-by-step implementation instructions, links and videos.
- Dynamic estimates of savings potential in GPD and dollars per year and information on rebates where available.
- Graphs that provide insights into past usage and seasonal variation.
- Access to grouped accounts, including affiliated HOA accounts as well as commercial accounts with a single owner.
- Ability to sign-up for various usage/leak notifications and alerts via email, automated call or text/SMS – including the only closed loop leak notification system.

The Customer Portal is accessible from any internet-connected device (computer, tablet, smart phone), and as a Mobile application (Appendix A, Figure 6) through our mobile optimized web page. We release regular enhancements to our Customer Portal to ensure that Irvine Ranch Water District's customers will enjoy the most intuitive, easy-to-use, personalized, and actionable customer portal in the world. We plan to continue our industry-leading investments in design and user experience. WaterSmart will host the Customer Portal and will be responsible for all maintenance and security.

Screenshots of the Customer Portal are included in Appendix A, Figure 4 & 5.

Alerts and Notifications

WaterSmart notifies customers of high volume and continuous use leaks and when customers have reached a self-selected consumption threshold. Alerts can be sent through multiple channels -- email, SMS text message, or automated voice call. WaterSmart offers a leak resolution interface that guides customers receiving a leak alert through the most likely sources of the leak, allowing them to resolve the issue without needing to call the utility. Customer actions, such as email opens, clicks, and progress through the leak resolution module are tracked and reported back in the Utility Dashboard—even though the customer has not been forced to sign in. Sign-in is requested after a customer finds and fixes their leak. This is the only closed-loop leak-alerting and resolution system in the market. Please refer to Appendix A, Figure 11.

UTILITY DASHBOARD (AGENCY FACING DASHBOARD)

The Utility Dashboard provides District staff (e.g., members of the District's team) with insights and analytics about their customers' water use (individual and aggregated), allows them to communicate and record interactions with customers, and provides updates and metrics on the WaterSmart program implementation through an easy-to-use interface. The Utility Dashboard provides information on all of the District's customer accounts and meter types, including grouped accounts (e.g., HOAs, commercial property owners with multiple meters). This information can be analyzed in the Dashboard or exported for further analysis to provide insights into consumption trends and customer behavior, which can aid in improved demand forecasting and operations management.

Key features of the Utility Dashboard include:

- Integrated view of all water deliveries to customers including single-family, multi-family, irrigation, commercial, industrial, and municipal/institutional customers.
- Analysis of the tiered rates and accounts that fall within tiers.
- Customer relationship management (CRM) tools including a customer profile page for each account, outbound email templates, and communication tracking tools.
- Data File Transfer process visibility: Ability to easily view the "Last Meter Read Date" and most recent "Data File Upload Date."
- Communications process visibility for optional digital and print communications through the industry's only Mailings Module.
- Customer consumption analysis segmented by geography, consumption (total), GPCD, top changers, top reducers, and other characteristics.
- Utility consumption analysis including compliance tracking.
- Program participation history and tracking.
- Program performance tracking and reporting.
- Geospatial analyses, including geographical mapping of targeted accounts based on key criteria (e.g., usage, meter type).
- Leak reports including leaks identified (AMI and non-AMI), alerts provided, and action taken.

The Utility Dashboard is accessible on a secure basis from any internet-connected device, including PCs, tablets and mobile phones. As part of this proposal, the District will receive an unlimited number of logins to accommodate all staff.

WaterSmart will launch the Customer Portal and Utility Dashboard applications once the recommendations have been finalized and prior to the sending of the first Water Reports.

Screenshots of the Utility Dashboard are included in Appendix A Figure 7 & 8.

Water Reports (Customer Water Use Reports)

Water Reports are informative, carefully designed reports that help deliver targeted messages from IRWD to customers including messages about water efficiency, social comparisons, the value of water, and rate changes. Water Reports can be sent via mail or email, and may be targeted to certain accounts, sent to randomly selected accounts as part of a randomized control trial, or sent to all of IRWD's customers. Content and design of all materials are subject to change over time, as WaterSmart incorporates new features.

Key elements of the Water Report are:

- A personalized WaterScore every billing period comparing the customer with the median amount of water used by households with the same number of occupants and a similar yard size.
- Customer water use, in gallons per day.
- Data insights to improve understanding of water use (estimated percentage used for indoor vs. outdoor use, a breakdown of indoor use and more).
- Customized, water-saving recommendations that are based on consumption data, use patterns, past participation in conservation programs and more.

- Targeted communications regarding investments, incentives, or other important IRWD messages.

During the initialization phase, WaterSmart will work with IRWD to customize the Water Reports with IRWD's logo and contact information. This makes it clear that the communication is coming from IRWD and ensures engagement and customer satisfaction benefits accrue to IRWD. We will also work with staff to review recommendation language and develop criteria for how recommendations are targeted to customer accounts.

A sample Water Report is provided in Appendix A, Figure 2.

(ADDITIONAL FEATURE) GROUP MESSENGER

The Group Messenger Module is a new engagement feature that will allow District Staff to communicate by sending alerts and messages to customers or customer groups. This functionality is in beta test, but will be available at the time of this new contract.

A screenshot of the Group Messenger feature is provided in Appendix A, Figure 13.

FUNCTIONAL SPECIFICATIONS:

Secure registration and login for each customer account

WaterSmart provides secure registration and login details for each customer account including AMI and non-AMI accounts, commercial, residential and other accounts.

Allow for multiple user login credentials per account

WaterSmart is currently developing the capability for account holders ("Administrative Users") to add additional users ("Child Users") to their account through a new Account Permissions section of the Account Settings page. "Child Users" will share the same profile and portal features as the administrative users; any changes made to the account will populate across all users. All users will

have unique Communication Preferences, and will have the ability to configure alerts and notifications as they see fit. Version one of the feature is scheduled for release by the end of May 2016, and the completed feature (with the ability to handle linked accounts), is scheduled for release in July 2016.

Provide customers the ability to enter information about home size, irrigated square footage, number of persons in home, livestock, and other information useful in comparing water usage of similar properties

WaterSmart provides the ability to enter profile information in two ways: 1) The customer can enter this information directly in the Customer Portal, via the "Update Profile" section; and 2) IRWD staff can also update this information, via the Profile area of each individual customer's page in the Utility Dashboard.

Ability to estimate water use and billing balance based on last read on file and current read that will be provided by customer

WaterSmart is able to provide customers with their last bill amount and water use. This information is shown in the new "Bill" tab on the Customer Portal. Note: This information will only be visible if the utility sends to WaterSmart billed amount data in their consumption files. As such, this information is not currently present in the IRWD Customer Portal. Billing information is also available on the Utility Dashboard.

Available in multiple languages

WaterSmart has provided for other utilities items including dual-language welcome letters for all meter classes and Water Report messages in multiple languages, with content provided by District Staff. In addition, Group Messenger messages can be written in multiple languages. We would encourage additional research and planning in this area to identify and tag those customers who are

non-English speakers versus those where English is not the primary language spoken, but where English content is acceptable.

Customize an effective two-way communication compatible with mobile devices including, but not limited to, smart phones and tablets using IOS and Android operating systems

WaterSmart believes that providing utilities with options to correspond with their customers is imperative. WaterSmart is currently working on functions that will allow the utility to provide alerts to their customers using the Customer Portal. For additional ways to communicate with customers, please refer to the Group Messenger option.

Provide alerts for workshops, water waste, leak alerts, etc. with customer option to manage or unsubscribe

WaterSmart notifies customers of high volume and continuous use leaks and when customers have reached a self-selected consumption threshold. Alerts can be sent through multiple channels -- email, SMS text message, or automated voice call. Customers have the option to manage their notifications, and unsubscribe to this feature. The new group messenger functionality (Appendix A, Figure 11) can be used to provide alerts on other items including workshops.

Ability to send customer alerts marked by severity of over-use and provide customers with the capability to respond back to alerts

WaterSmart currently is soliciting feedback on leak alerts for customers who have monthly billing data and not interval data. We welcome your feedback on whether you would like to extend the alerting process to those customers. In addition to these alerts, which are sent at the time the meter read is received, WaterSmart also incorporates high-volume usage alerts in the Water Reports.

Ability to send group messaging for outages, shut off notices, main line breaks, routine maintenance

The Group Messenger feature will conveniently allow District staff to send alerts and messages to customers or customer groups, notifying them of important information IRWD needs to convey (Appendix A, Figure 13).

Ability to send alerts via text, landline, email, post card, or U.S. postal mail based on the customers' preference settings

Customers have the ability to sign-up for various usage/leak notifications and alerts via mail (Water Report), email, automated call or text/SMS – including the only closed loop leak notification system. Automated call or text/SMS provides a more rapid way to send alerts and notifications to customers.

Capable of two-way communication allowing customers to contact IRWD, register for events, request on-site assistance, etc.

WaterSmart proposes optional customer outreach through the use of Customer Letters and Water Reports. This option has been proven to drive those who are not digitally engaged to become so while providing independently proven increases in customer satisfaction and water use efficiency. Once digitally engaged, customers have the option to contact the District with questions, register for events, sign-up for information the District is providing, and much more through the Customer Portal. Please see Appendix A, Figures 1 & 2.

Provide working links to IRWD sites to be decided in coordination with IRWD staff.

All web applications and customer report correspondence shall be branded

WaterSmart personalizes the sites with logo, contact information, promoted rebate programs, events, and links and will work directly with the District regarding their branding.

Technical Specifications:

Provide a license for the IRWD to use the Consultant's customizable web-based software which promotes, tracks, and reports water use and water- efficiency measures and includes a web portal for customers and IRWD

As part of WaterSmart's Software as a Service (SaaS) platform, employees and customers of IRWD may during the term of the Agreement access and use WaterSmart's SaaS services including print and electronic Water Reports, Customer Portal, Utility Dashboard, and other deliverables provided to Utility by WaterSmart.

Specify the data requirements, data format, tools, methodology and technology utilized to securely transfer data to and from Consultant's site and provide a secure channel to transfer necessary data on accounts, including but not limited to: residence information; consumption history; current consumption; interval data; rebate program participation

WaterSmart enacts standard controls, policies, and procedures to ensure the security of each utility's data and customer provided information, including but not limited to choosing a reputable cloud-server vendor with appropriate physical security of server infrastructure, secure public-private key-based login to all WaterSmart server infrastructure, password authentication on all Web site interaction, and audit logging. WaterSmart will provide each utility with a private, password-protected FTP destination for regular delivery of the data. This secure FTP site will be hosted on WaterSmart's server infrastructure.

Data Transfer Protocols

WaterSmart will provide IRWD with a private, password-protected FTP destination for regular delivery of the data. This secure FTP site will be hosted on WaterSmart's server infrastructure. IRWD agrees to send data only through this secure channel and not through any other method.

Account Information:

- | | |
|---------------------------------|---|
| • Account Number | • Customer Mobile Number, where available |
| • Account Type | • Service Address |
| • Account Sequence Number | • Billing Address |
| • Property APN, where available | • Customer Name |
| • Meter Size | • Customer Email, where available |

Consumption History:

WaterSmart will request, for at least the last two years but ideally for five to ten years in the past, such fields as, but not limited to:

- | | |
|------------------------------|--|
| • Account Number | • Days in Billing Cycle |
| • Account Sequence Number | • Consumption |
| • Meter I.D. (serial number) | • Bill and water allocation details as mutually agreed |
| • Current Meter Read Date | |
| • Previous Meter Read Date | |

Current Consumption:

WaterSmart will also work with IRWD to set up a regular transfer of meter reads from IRWD to WaterSmart through a secure channel. This will be the same file format as the Consumption History file above. The frequency of the meter data transfer will determine how frequently Water Reports are shipped. Water Reports will be delivered on a monthly basis to align with IRWD's billing cycle.

WaterSmart will request, for accounts with interval data:

- | | |
|------------------|-------------|
| • Account Number | • Timestamp |
|------------------|-------------|

- Time zone
- Consumption
- Additional details as mutually agreed

Rebate Program Participation File:

Optionally, IRWD may provide data on rebate program participants, and those receiving citations or notifications. This file may be sent at the same frequency as the Current Consumption data, or less frequently, and should include: account number, program name, participation date, and additional details as mutually agreed upon.

Outline any additional costs or process changes if IRWD implements a new data management system after the program set-up and initialization

Should IRWD implement new data management systems after the first initialization process, which require WaterSmart to re-onboard new file structures or map historical identifiers (e.g. customers, accounts, premises, service points), WaterSmart will assess an additional one-time fee not to exceed \$10,000 upon receipt of first test files from the new system. This fee will be assessed on a time and materials basis and will cover any labor costs to re-initialize the system.

Produce web portal compatible with current versions of major web browsers (Internet Explorer, Edge, Chrome, Safari, Firefox and Opera)

WaterSmart supports these browsers. For IRWD's reference, here is the current distribution of browser use by IRWD Customer Portal users: Safari 50.95%, Chrome 32.55%, Internet Explorer 6.35%, Firefox 5.83%, Edge 2.03%, Safari (in-app), 1.11%, Mozilla Compatible Agent, 0.59%, Android Browser 0.52%, and Opera 0.07%

Specify the platform and programming language used to develop the web portal

WaterSmart uses a LAMP stack (Linux Apache MySQL w/ PHP, Python, and JavaScript).

Provide site compatibility for mobile devices including but not limited to smart phones and tablets using iOS and Android operating systems.

WaterSmart provides full capabilities on any desktop or mobile device—regardless of brand or operating system.

Describe hours and method of customer service technical support, particularly for the web-based application.

WaterSmart will notify of any customer service technical support requests and resolution.

WaterSmart will provide service and support regarding technical questions about WaterSmart's Customer Portal and Utility Dashboard Web applications and Water Reports between the hours of 9 a.m. and 5 p.m. PST on Monday through Friday, excluding federal holidays. Additionally, WaterSmart hosts a Support Site, accessible 24/7. The Support Site features online support for self help through product guides, videos, product updates and all product documentation.

Hosting, Maintenance, and Security:

Provide a secure hosting site, approved by IRWD.

WaterSmart's servers are deployed in the secure Rackspace Cloud. Physical security includes state-of-the-art building access controls, video surveillance and 24x7 onsite security. Rackspace's facilities and security procedures are regularly subject to independent 3rd party reviews and certifications including but not limited to ISO27002 and SOC1/2/3.

Maintenance of the licensed web-based software, including customer support, and include the maintenance protocol

WaterSmart is on a continuous release cycle with minor updates and improvements to the product released on a daily or weekly basis. These releases do not interrupt the flow of work or use of products for Utility partners or end users. Many of these updates are minor and will not impact the daily work or use of the product. For larger releases or any changes in the product that may impact or provide added functionality Utility programs or end users WaterSmart communicates in advance with Utility project managers the nature and impact of the releases.

WaterSmart performs scheduled maintenance on a limited basis, typically no more frequently than twice a year. Utility partners are notified two weeks in advance of any planned maintenance, and any loss of functionality is brief and limited to off hours (typically 10pm-11pm PT on a weekend).

Ongoing system maintenance and support is included with the WaterSmart contract, and as a part of the program. Routine system upgrades are included with no additional charge.

Provide a description of security and privacy controls for all personally identifiable information provided to selected consultant in service of project, including procedures for data protection, cyber security and security breaches.

WaterSmart takes its security and privacy responsibilities very seriously. WaterSmart will not share personally identifiable customer information or customer-specific water use information with any third party. Data transferred to WaterSmart from IRWD will be stored in a database dedicated to the Utility and its WaterSmart project. The data will not be comingled with the data provided by any other entity. WaterSmart does not transfer data offshore for any purpose, including design, testing, development, or delivery.

Additional information on our Customer Confidentiality and Data Security policies are below:

- Data Encryption – Data is transferred between the District and WaterSmart via SSH over FTP using an individually assigned revocable SSH public-private key pair. No passwords can be used to connect to any WaterSmart server. Data is processed and stored in a network-isolated database. The data is not encrypted in-place during database storage. When database backups or ingest-file backups leave the isolated network, they are encrypted for in-place using PGP.

- Secure Socket Layer Communications – WaterSmart’s web interface operates only over HTTPS. In adherence with OWASP principles we allow only TLS connections.
- Complex User ID and Password Authentication – We support username + password authentication. User passwords are individually selected and hashed as consistent with password best management policies.
- Secure Virtual Private Network Tunnels – WaterSmart will ensure that only approved users are granted appropriate access to our systems. To this end, all systems that face an external network are secured according to best practices including but not limited to: a minimum of open network ports, ssh-key based server access (no passwords), revocable SSL client-certificates for webservice access, etc. All access to servers is logged and automated agents are enabled to report suspicious logins. A 3rd party validation and penetration test will be used to confirm our defenses against external vulnerabilities.
- Security Logging, Auditing and Network Traffic Monitoring – WaterSmart will not transfer customer data across our system boundaries in an unencrypted fashion. Inbound, we facilitate SSL encryption for all of our Utility data feeds. Print home water reports are transferred to our print vendor using SSH-key based authentication and encryption. Electronic home water reports are sent through our mail-server vendor using TLS encryption. All end-user access to our web site occurs via SSL using TLS 1.0+ protocols.
- Secure Communications – Our company carefully reviews all cloud service provider partners for their security. We only select vendors with high standards regarding security, privacy, and disaster preparation. We select best-in-class vendors with multiple 3rd party verifications; for example, RackSpace for servers and networking, and SendGrid for email delivery. The verifications and certifications of our vendors are publicly available for inspection.

- Third Party Security Assessment – WaterSmart has had third party security assessments of our system. Pivot Point Security conducted an application vulnerability assessment and penetration test of the WaterSmart web application to provide assurance that the information technology resources integral to delivering services to our clients was secured in a manner consistent with our security objectives and that information technology risks were mitigated to an acceptable level. Pivot Point determined that WaterSmart’s web application was secured in a manner fully consistent with prevailing good practice. The Attestation letter is provided in Appendix A. Additional information and full results of this assessment are available upon request but were not included here due to considerations of length.
- Backup and Disaster Recovery – WaterSmart creates daily backups of data and regularly validates the documented restore and failover procedures. Customer data is kept in primary database, backup repository, and secondary backup repository. Backups are performed locally within the hosted SSH-key protected environment, then encrypted using PGP privacy, and pushed securely over SSL to RackSpace’s CloudFile storage system. An additional copy of the encrypted backup is pushed to Amazon Web Services S3 storage system for redundancy. No data is stored on the Consultant’s premises. Daily backups are stored for 30 days. After 30 days, weekly backups are stored for several months. Monthly backups are stored for one year. There is no cost to the Utility for this service; the backups are used only for disaster recovery and site-failover.
- Security Breach Notification – WaterSmart works diligently to minimize the possibility of a security breach. However, in the event that one does occur, we have a 5-step incident management program. After an incident identification, (1) incidents are assigned an incident manager responsible for responding to the incident in a timely manner and proactively communicating incident status to all relevant internal and external parties. (2) Incidents are documented via the incident management form and permanently filed in

our incident repository. (3) We identify and execute corrective actions. (4) We perform a root cause analysis. (5) We feed back lessons learned to the planning function team. Throughout the incident process, we maintain open lines of communication with our customers.

- Cyber Security - WaterSmart's strategy includes strict network controls and adherence to the OWASP Top Ten 2013 web application security principles. WaterSmart has obtained a 3rd party assessment of our compliance with these security principles; this attestation is available at any time during this proposal process.

The water use reports and web portal shall present and maintain confidentiality of information such as customer specific water use data, account information, and other identifiable customer characteristics

All data, documents and other information received from IRWD by WaterSmart Software are deemed confidential and shall not be disclosed without IRWD's prior written consent.

TASK 2: PROGRAM IMPLEMENTATION

Outreach Material and Online Customer Survey

In addition to alerts and use of the Customer Portal, WaterSmart can develop and send out outreach and engagement material to IRWD customers. WaterSmart will send a Customer Letter to targeted customers at the start of the program. The Customer Letter, like all outgoing communications, will be branded for IRWD with the District's logo and contact information. The Letter informs residents about the program and what they can expect to receive, and includes a link to an online Customer Insight Survey. This survey collects important water usage and demographic information about each account, which allows WaterSmart to further personalize the customer experience.

WaterSmart's Customer Letters provide customers with their water-use information and instructions on how end-users can take advantage of the many benefits of the Customer Portal. WaterSmart can also send out targeted, personalized and actionable print or electronic communications on specific topics, including information on water quality, rate changes, and other topics of interest to the District's customers.

Transfer of meter reads and various data

WaterSmart will work with IRWD to securely transfer a dataset that includes residence information, consumption history and current consumption. We will provide a comprehensive list of data needs at the outset of the program. WaterSmart will also work with IRWD to set up a regular transfer of meter reads from the utilities to WaterSmart through a secure channel. The frequency of meter data transfer will determine the timing of shipments of Water Reports.

Dissemination of Water Reports

Each enrolled household will be eligible to receive a Water Report in each of the cycles of reports per term, as specified by IRWD. Some accounts may receive fewer Water Reports due to a missed or incorrect reads, or a closing or opening of a new account with the Utility. As noted by IRWD, WaterSmart will disseminate reports once per month, giving the District the option to change the frequency if necessary.

Each cycle of reports can be sent in one or more shipment, with each shipment going to a subset of households. WaterSmart will ship Water Reports based on the schedule that the Utility transfers billing data to WaterSmart. For utilities that provide account-billing data to WaterSmart on a rolling basis (with billing data for a subset of accounts transferred each day or each week), WaterSmart will send out shipments for each cycle on a weekly basis. For utilities that provide

account-billing data to WaterSmart once per billing period, WaterSmart will send each cycle of Water Reports in a single shipment.

The schedule of these shipments is given below:

Table 1: Schedule of HWR Shipments

Utility Transfers Billing Data to WaterSmart:	WaterSmart Sends Shipments of each HWR cycle:
Daily	Weekly
Weekly	Weekly
Monthly	Monthly
Bi-Monthly	Bi-Monthly

Reports:

Water use consumption should be displayed in billing units and gallons

WaterSmart displays customer water use, in gallons per day. This information will be displayed as a key element of the Water Report. Billing units (CCF in the case of IRWD) also are displayed in the Water Reports and on the portal.

Water use comparisons to customer allocations, consumption levels, peer group, water use history, or other parameter as defined by IRWD

WaterSmart will create cohort groups of similar residences in order to maximize the relevance of water use comparisons and potential water savings. Cohort groups may include the following variables:

- Number of occupants per home (based on user-generated information and real-estate based estimates);

- Irrigable area (e.g. small, medium, large, etc.) to be determined based on home size and lot size information contained in real estate data obtained by WaterSmart, or optionally, provided by Utility if it already possesses such information
- Residence location (e.g. city, zip code, etc.) for utilities which span large areas

Include social norming tools and messaging

WaterSmart uses behavioral science to influence how people think about, and use water.

WaterSmart has discovered that the most effective approach to drive persistent behavior change is the use of descriptive norms. By comparing water consumption patterns to similar households, people become more efficient to adjust to what is perceived as normal. Using descriptive norms may cause individuals who consume less water than the norm to start using more. Injunctive norms counteract this effect by showing efficient homes that they are doing a great job, and should keep up the good work.

Future water use projections/goals based on past water use or other parameters as defined by IRWD

Water Reports messages and the portal currently display water use goals based on a comparison to 2013 usage. Annual water use projections based on year-to-date use also are available.

Information, multimedia content, and links to water use efficiency programs and rebates, and other outreach programs

IRWD will have the opportunity at the start of the program to provide WaterSmart with information on available rebates and incentives that should be flagged within relevant water saving recommendations.

Personalized water savings recommendations based on the customer's household profile and consumption history

WaterSmart is able to provide water-saving recommendations that are based on consumption data, use patterns, past participation in conservation programs and more through the Customer Portal, Mobile Portal, and Water Reports. These recommendations include information on available rebates for a given action, and show how much water and money can be saved by taking an action based on the customer's water use and their utility's rates (Appendix A, Figure 10).

Weather overlay to display evapotranspiration data, temperature and rainfall from local weather stations visible as graphs

WaterSmart currently ingests evapotranspiration data, temperature and rainfall from local weather stations, but does not display that information to end-users. The data will be primarily used to generate weather alerts (expected release Q4 2016), but could also be displayed to end users on hourly consumption (AMI) graphs. There are no immediate plans to overlay this data on monthly use graphs.

WaterSmart understands that this information may help the customers understand if their water use is appropriate given seasonal conditions. Given that the customers' allocations provide the extra step of interpreting this data and translating it into a volume of efficient water use, we suggest that a better tool might be to use the Group Messenger functionality or targeted messages in the Water Reports.

For example, we could highlight Group Messenger recipients based on whether they were over their IRWD allocations in the most recent billing period; or we could target Water Report recipients who had been over their allocation in the same period last year. Messages could indicate that the customer had exceeded their location because they had exceeded the efficient water use needed for their property, based on temperature, rainfall and overall evapotranspiration data. In addition, for the 8% to 10% of commercial customers (449/5802 in the latest period) who

exceed their allocations, messaging could be tailored to their use cases, where exceeding the allocation might not be tied to weather, but to business conditions or structural changes which occurred after the base allocation was assigned.

Contain graphs to visually communicate usage patterns and habits

Visually appealing graphs allow customers to view their usage patterns and habits in the Customer Portal (Appendix A, Figure 5).

Provide customers with the option to receive reports by mail or email

WaterSmart can send out targeted, personalized and actionable print or electronic communications, based on the customers preference.

Ability for customers to export data

Currently, customers have the capability to download data from the Customer Portal.

Emailed reports must be in a mobile friendly format

WaterSmart Water Reports are available to customers through a mobile and web interface.

Top over allocation water usage consumers per billing period and other reports

IRWD staff have the option to review reports in the Utility Dashboard.

Capability to produce field reports

All of WaterSmart's reports from the Utility Dashboard are accessible through tablets and mobile phones and can be used while in the field to produce field reports.

Information on the web portal shall be updated and available to customers as soon as data is provided by IRWD

WaterSmart will update information as soon as it is provided by IRWD. Customers will then have immediate access to the information.

All reports shall include input from IRWD and meet IRWD's approval

The Project Manager will work with IRWD to coordinate all elements and content customization of the report, meeting the approval from IRWD (Appendix A, Figure 3).

Analytics:

Ability for IRWD to easily export data into excel or as a csv file

Reports from the Utility Dashboard can be downloaded for analysis in an Excel CSV file

Ability to create customer groups based on multiple user profile and account attributes (age of home, number of people in the home, and prior program participation).

WaterSmart has access to the above-mentioned data and uses it to target specific messages and recommendations in the Water Reports. In addition, the new Group Messenger feature allows the utility to send a targeted message to a group of individuals who, for example, previously participated in a rebate program. At present, multiple attributes such as those listed above cannot be used to target Group Messenger messages. We look forward to developing the functionality further, based on feedback from IRWD and other utility partners.

Ability to view every customer's web application and account

IRWD staff using the Utility Dashboard can view any customer's profile page and their Customer Portal as the customer would see it (Appendix A, Figure 9).

Ability to identify when customer makes changes to their profile

IRWD staff will have the ability to view customer updates to their customer profile either through the Customer Portal or through one-click surveys, which are tracked and visible to District staff through the Utility Dashboard.

Per site analysis (number of employees, residents, etc.)

WaterSmart is currently able to retrieve this information through the Utility Dashboard, and will collect information from the surveys to build upon the current file.

Tracking of customer requests and inquiries

All customer communications including inbound calls and emails can be tracked in the Utility Dashboard.

Program analytics with recommendations for program participation improvement

WaterSmart is able to provide information regarding findings and recommendations as a part of the client services annual report.

Customer survey quarterly and provide recommendations based on customer response

WaterSmart provides recommendations on ways to conserve through the Customer Portal and Mobile Portal. These recommendations include information on available rebates for a given action, and show how much water and money can be saved by taking an action based on the customer's water use and their utility's rates. The Portal contains a Customer Profile that gathers baseline information on the customer's fixtures and habits. In addition, WaterSmart offers email "one-click" surveys to gather information on other questions of interest to the Utility.

Routine summary of program statistics

WaterSmart's Utility Dashboard engagement reports show statistics on customer use of the Customer Portal, engagement with other messages, and participation or interest in recommendation actions.

Ability to quantify alerts sent and type of alerts sent

This information is currently available through WaterSmart's Utility Dashboard alerts report.

Ability to track active accounts, non-active accounts, registered users, non-reporting meters, negative reads, and active with zero water use

WaterSmart can currently provide all of the above stated requests. More specifically, WaterSmart has toggles for active and non-active accounts in Dashboard Reports, can ingest and display negative reads and accounts that report zero water use (but are not deemed Inactive or disconnected). In addition, we are developing capabilities to identify missed meter reads by billing cycle or reading route.

Ability to provide summary of statistics, which can include graphs to track non-revenue water, aggregate demand site sales and calculate non-revenue water trends

WaterSmart currently tracks consumption numbers, rather than production volumes. Non-revenue water (as apparent loss) can be addressed by using the Suspect Meter Reads report to locate faulty meters.

Interactive map displaying residences

WaterSmart's Utility Dashboard provides several maps, each displaying residences (Appendix A, Figure 12).

Interactive map module with meters and data collection points

WaterSmart does not currently offer data collection points.

Ability to add identifiers to meter locations on interactive map module

WaterSmart's Utility Dashboard allows the user to view specific neighborhood/meters, or click on the individual account, which brings them to that account's profile page.

WaterSmart will import meter badge id values provided by IRWD and have these meter identifiers be searchable via the search bar in the Utility Analytics Dashboard. The resulting Customer Details will display service address and property location on a map. Each meter badge id will be associated with the customer account number.

Interactive geographical display of rebate participation with the ability to track program participation with filtering capability

WaterSmart is currently able to aggregate this data in terms of consumption.

Provide an interactive map-based element in web portal with analytical functionality

WaterSmart's Utility Dashboard provides several interactive maps (Appendix A, Figure 12).

TASK 3: STAFF TRAINING

WaterSmart Software's commitment to training IRWD staff

WaterSmart will assign a dedicated Project Manager to work with IRWD staff throughout the project. The Project Manager will oversee all elements of initialization and customization and be the primary contact for all questions throughout the program.

After all initial customer data has been received and program content is finalized, the WaterSmart Project Manager will conduct an on-site training session or training sessions for IRWD employees. The training will be held prior to sending Customer Letters so that staff is ready to respond to incoming calls. WaterSmart recommends IRWD include all staff who will handle inquiries about the program and staff who will be using the analytic tools. Sessions are generally 90 minutes in length for employees who need an in-depth knowledge of the tools and customer-facing materials, and WaterSmart is happy to provide multiple training sessions to accommodate the schedules of IRWD staff. In addition, WaterSmart typically provides additional in-person training

sessions once a year during the continuation of the project to refresh current employees with the program and train new employees.

WaterSmart can alternatively offer a “train-the-trainer” model training in which WaterSmart staff train IRWD staff to conduct ongoing training for their IRWD colleagues throughout the year. WaterSmart has successfully used this approach with other large water utilities.

To further assist in answering any questions throughout the program, WaterSmart offers a Utility Dashboard feature that allows IRWD staff to communicate and engage actively with the entire Client Services team, for a more high-level response of customer and product support in-app and through email. IRWD staff can use the Intercom feature to ask questions, provide feedback and receive response from members of the WaterSmart team.

TASK 4: PROGRAM MANAGEMENT

WaterSmart Software’s program management commitment to IRWD

WaterSmart is committed to IRWD’s success – through this program, and in all your goals. We pride ourselves on our timely, effective, and friendly support throughout the process. We regularly meet with customers to tune the software configuration, set goals, track progress, and measure results. Customer success is the most important measure for us.

WaterSmart will assign a dedicated Project Manager to work with IRWD staff over the course of the relationship. The Project Manager will oversee all elements of initialization and customization and be the primary contact for all questions throughout the program, and ensure that the program is in adherence with the allotted budget. The Project Manager will work with IRWD to set-up an initial project kick off meeting, and then will coordinate all elements of data transfer and content customization and approvals. After all initial customer data has been received and the Customer Portal configuration is finalized, the WaterSmart Project Manager will conduct in

person training sessions for IRWD employees. After program launch the WaterSmart Program Manager will hold regular check-ins, gathering feedback and answering any questions, and ensure success throughout. In addition, the Program Manager will provide several more formal presentations for key IRWD staff, including a review of information collected in the Customer Survey, initial results, and final results of the pilot project.

WaterSmart services include telephone and email support, as well as periodic in-person meetings. To further assist in answering any questions, WaterSmart offers a Utility Dashboard communication service powered by Intercom that allows District Staff to communicate and engage actively with the entire Client Services team in real-time, for a more high-level response of customer and product support. District Staff can use the Intercom feature to ask questions and provide feedback, and can expect to receive a real-time response from members of the WaterSmart team.

Nothing is more important to us than the success and satisfaction of our customers. Our Client Services team is known for their efficient, effective, and friendly service, and we do everything we can to make sure the project meets the unique needs of each utility customer.

PROGRAM QUALITY ASSURANCE

Measurement and verification is a core element of the WaterSmart program, allowing us to quantitatively assess the impact of the program independent of other factors at the Utility or regional level that may impact consumption and customer satisfaction.

WaterSmart reports changes in consumption for the experimental group versus a randomized control group selected from the population of eligible residential Water Report recipient households. The treatment group receives Water Reports and has access to the Customer Portal, while the control group (typically 2,500 –5,000 customers) does not. After three Water Reports have been sent,

WaterSmart will prepare an efficiency study that details the change in water usage over time for the treatment versus control group, and load those results into the utility dashboard. This is performed with a Fixed-Effects regression model using the consumption data for each household in the experimental and control groups. Discrete period savings coefficients are output from the model for every month in the evaluation period. Savings are then applied on a monthly basis using the control group mean GPD for the post-period, and the percentages savings for that period. Results are visible in percentage terms and Acre Feet on a monthly basis at both the discrete and cumulative levels for the entire recipient group. The efficiency study report will include percentage savings, GPD savings, and Acre Foot savings at the program level for each month after the first complete Water Report cycle.

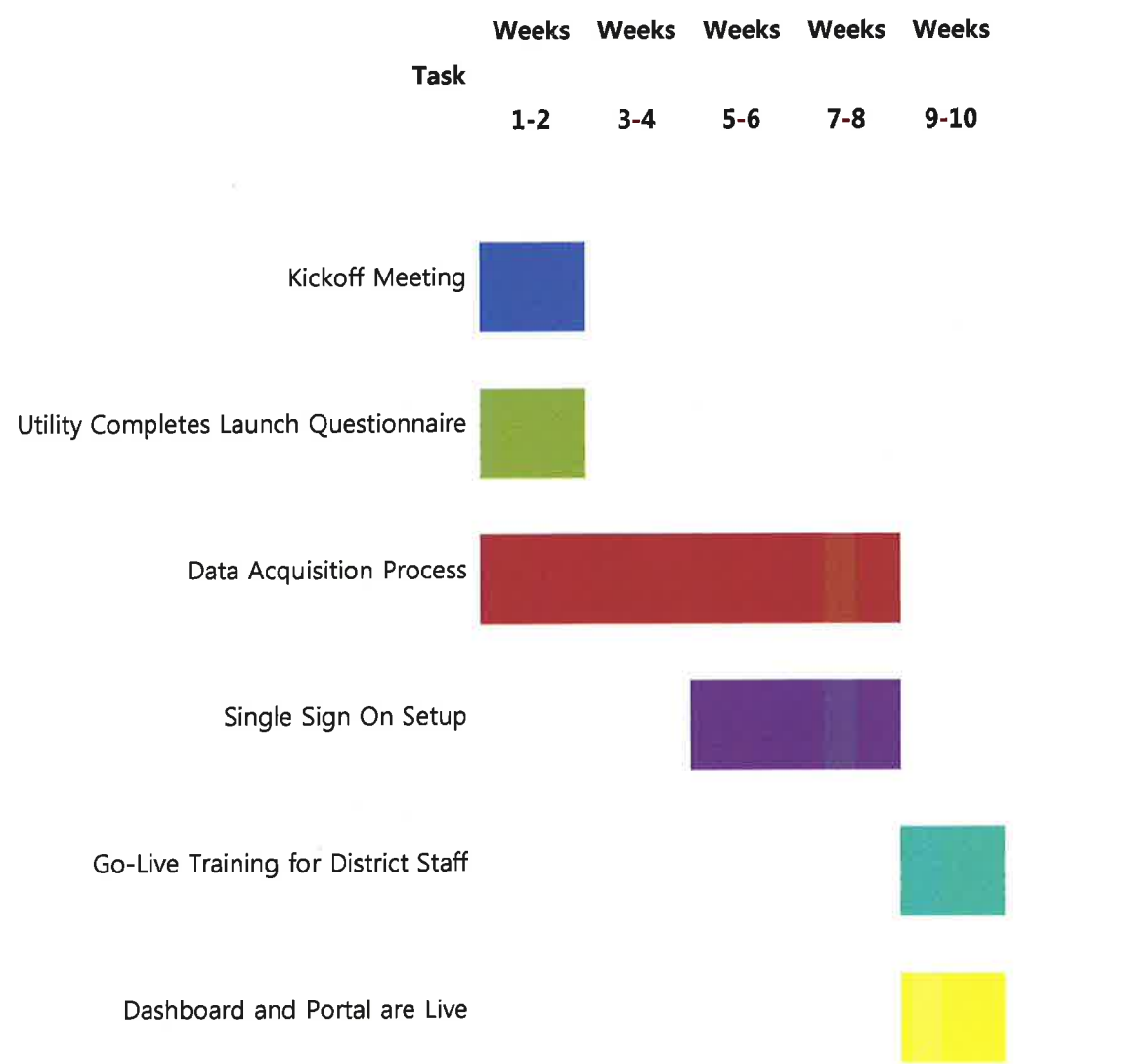
WaterSmart would be pleased to work with IRWD and a third party on the verification of the results of the program. In addition to providing all necessary information to the third party verifier of IRWD's choice, WaterSmart would be happy to recommend possible third party verifiers or help prepare materials to apply for outside funding to cover the costs of the third party verification study.

SCHEDULE

WaterSmart Software has established consistent ability to complete tasks within the allotted time frame. WaterSmart has carefully considered our planned workload and has no concerns about being able to serve IRWD in an efficient and effective manner during the timeline specified. Below is the proposed schedule to initialize and launch the program.

LAUNCH SCHEDULE

UTILITY DASHBOARD, CUSTOMER PORTAL, ALERTS AND NOTIFICATIONS



BUDGET

WaterSmart is pleased to offer the following pricing options to IRWD, based on our understanding of District engagement needs. We invite the District to engage with WaterSmart to further refine the selected option, to balance IRWD's outreach goals with financial preferences. As this is primarily a Software-as-a-Service solution, the budget is provided as an annual program fee rather than an hourly fee.

All options include the core WaterSmart Platform: Utility Dashboard and Portal, mobile access, My Use Notifications and Group Messenger, optional leak alerts and on-site training. Note that the core Platform includes access for all 110,000 IRWD customers, across all meter classes.

Option 1 matches the number of participants who were enrolled in 2014-2015, and includes the robust set of functionality available in today's WaterSmart platform. This option includes:

- Monthly Home Water Reports pushed out automatically to 12,000 targeted single-family residential accounts
- A Customer Letter welcoming the subset of households that are new to the program
- Additional monthly Home Water Reports emailed to all other single-family residential customers who choose to opt-in, up to a total of 77,000 additional reports per month, for a grand total of up to 89,000 monthly reports.

Option 2 matches the number of participants who were enrolled in 2015-2016, and includes the robust set of functionality available in today's WaterSmart platform. This option includes:

- Monthly Home Water Reports pushed out automatically to 23,000 targeted single-family residential accounts
- A Customer Letter welcoming households that are new to the program.

- Configurable commercial account survey.
- Additional monthly Home Water Reports emailed to all other single-family residential customers who choose to opt-in, up to a total of 66,000 additional reports per month, for a grand total of up to 89,000 monthly reports.

The Program Design for Option 3 incorporates elements of prior IRWD/WaterSmart programs as well as elements which have been helpful in meeting the goals of other utility partners. This option includes:

- A one-time, personalized Customer Letter welcoming all IRWD accounts, inviting them to take advantage of portal functionality and notifications.
- Monthly Home Water Reports pushed out automatically to 7,970 single-family residential accounts which have been over their allocation by at least 5 CCF for at least 3 of the last twelve months.
- Monthly Water Reports pushed out automatically to 4,750 non-single-family residential accounts which have been over their allocation by more than an average of 30% for at least 3 of the last twelve months.
- Monthly Water Reports pushed out automatically to accounts which are new to the District, for the first six months. Accounts will be enrolled on a rolling basis. Water Report content may feature online bill pay pointers, IRWD program notifications, home maintenance information, irrigation guidance and other information helpful for first-time District residents/ account holders. This is estimated to be 12,300 accounts per year.
- Configurable commercial account survey.
- Additional monthly Water Reports emailed to all other IRWD customers who choose to opt-in, up to a total of 84,980 additional monthly reports, for a grand total of up to 110,000 monthly reports.

Prices are valid for 60 days after proposal is issued.

Based on the needs of your program, we propose the following multi-year pricing.

Option 1	Cost
Year 1: Program fee	\$93,700
Year 2: Program fee	\$86,900
Optional Years 3-5: Program fee per year	\$86,900
3-Year Contract Price, per year:	\$78,210

Option 2	Cost
Year 1: Program fee	\$181,400
Year 2: Program fee	\$168,800
Optional Years 3-5: Program fee per year	\$168,800
3-Year Contract Price, per year:	\$151,920

Option 3	Cost
Year 1: Program fee	\$234,100
Year 2: Program fee	\$154,900
Optional Years 3-5: Program fee per year	\$154,900
3-Year Contract Price, per year:	\$163,170

WATER REPORT UNIT PRICING:

If additional quantities of print or email water reports or other communications are desired, please use this unit pricing to adjust the options above – for the number of reports which are automatically pushed out each month, regardless of whether the household has opted in:

Print reports: \$0.68 per report

Email reports: \$0.12 per report

Please note that unit pricing, just like the price of water, incorporates the infrastructure required to develop the report and its content, in addition to the material and postage cost.



TOTAL PROJECT BUDGET, OPTION 3

Option 3 Description:

All options include the core WaterSmart Platform: Utility Dashboard and Portal, mobile access, My Use Notifications and Group Messenger, optional leak alerts and on-site training. Note that the core Platform includes access for all 110,000 IRWD customers, across all meter classes.

The Program Design for Option 3 incorporates elements of prior IRWD/WaterSmart programs as well as elements which have been helpful in meeting the goals of other utility partners. This option includes:

- A one-time, personalized Customer Letter welcoming all IRWD accounts, inviting them to take advantage of portal functionality and notifications.
- Monthly Home Water Reports pushed out automatically to 7,970 single-family residential accounts which have been over their allocation by at least 5 CCF for at least 3 of the last twelve months.
- Monthly Water Reports pushed out automatically to 4,750 non-single-family residential accounts which have been over their allocation by more than an average of 30% for at least 3 of the last twelve months.
- Monthly Water Reports pushed out automatically to accounts which are new to the District, for the first six months. Accounts will be enrolled on a rolling basis. Water Report content may feature online bill pay pointers, IRWD program notifications, home maintenance information, irrigation guidance and other information helpful for first-time District residents/ account holders. This is estimated to be 12,300 accounts per year.
- Configurable commercial account survey.
- Additional monthly Water Reports emailed to all other IRWD customers who choose to opt-in, up to a total of 84,980 additional monthly reports, for a grand total of up to 110,000 monthly reports.

Total Cost

Year 1 Program fee	\$234,100
Year 2 Program fee	\$154,900
Optional Years 3-5 Program fee per year	\$154,900
3-Year Contract Price, per year	\$163,170

TASK	Year 1	Year 2	3-Year Contract, Per Year Price, Years 1-3 10% Discount
1. Program Design (design & configuration, annual refresh)	\$14,700.00	\$4,150.00	\$6,900.00
2. Program Implementation (test, deploy, stabilize & manage)	\$5,375.00	\$3,000.00	\$3,412.50
3. Staff Training	\$3,000.00	\$3,000.00	\$2,700.00
4. Program Management	\$64,500.00	\$64,500.00	\$58,050.00
5. Remaining* Software License Cost / Annual Program Fee. Includes all pushed print and email communications in the quantities specified in Option 3	\$146,525.00	\$80,250.00	\$92,107.50
TOTAL of ABOVE	\$234,100	\$154,900	\$163,170
6. Additional for SMS Text	n/a	n/a	n/a
7. Additional for each Paper Report including Postage	\$0.68 per report	\$0.68 per report	\$0.68 per report
8. Additional for each Email Report	\$0.12 per report	\$0.12 per report	\$0.12 per report

* Note: The costs per tasks are provided at the request of IRWD. Please note that WaterSmart does not sell these services separately – all of the above are included within the annual program fee. The three-year contract price amortizes these expenses evenly over three years, although the Program Design and Implementation tasks are more intensive in Year 1.

Roles	Hours per Month	Task	Value Added	Hourly Rate
Client Services Project Manager	20	Task 1: Program Design	Initial project setup (reviewing and optimizing program design based on current customer data.	\$125
Client Services Project Manager	20	Task 2: Program Implementation	Initial project setup (annual configuration changes and contractual work)	\$125
Client Services Project Manager	2	Task 3: Staff Training	Initial training for new staff, on site, as well as annual onsite refresh training. Ongoing training on specific new product features as deployed, tailored to IRWD use cases.	\$125
Client Services Project Manager	15	Task 4: Program Management	Ongoing monthly project management to ensure ongoing success of project: Includes meeting preparation and follow up; Content tailoring and targeting; Analysis and Evaluation and Iteration within Scope of Work. Recommendations based on best practices and current learnings. Water Report generation and ongoing content modification.	\$125
Other Client Services Staff	3	Task 2: Program Implementation	Initial Quality Assurance, for launch to new customer sets	\$125
Other Client Services Staff	3	Task 4: Program Management	Ongoing: Customer Support, additional quality assurance as needed	\$125
Engineering staff	10	Task 1: Program Design	Initial project setup (annual refresh / program design modifications)	\$250
Engineering staff	10	Task 2: Program Implementation	Initial project setup (annual refresh / program design modifications)	\$250
Engineering staff	10	Task 4: Program Management	Ongoing data enhancements, data analysis, utility-specific questions	\$250
Data Science	7	Task 1: Program Design	Initial Review of recipient groups, design for measurable outcomes	\$250

Roles	Hours per Month	Task	Value Added	Hourly Rate
			and to achieve success metrics	
Data Science	2	Task 4. Program Management	Ongoing measurement of outcomes	\$250
Sales	10	Task 2. Program Implementation	Initial Contractual work	n/c
Product Management	4	Task 1: Program Design	Ongoing Product development and enhancement, incorporating IRWD feedback	\$150
Operations Team	1	Task 4. Program Management	Ongoing billing/administrative costs	\$125

WATER REPORT UNIT PRICING:

If additional quantities of print or email water reports or other communications are desired, please use this unit pricing to adjust the options above – for the number of reports which are automatically pushed out each month, regardless of whether the household has opted in: Print reports: \$0.68 per report

Email reports: \$0.12 per report

APPENDIX A: WATERSMART SCREENSHOTS

Figure 1: Sample Customer Letter



WaterInsight Program
15600 Sand Canyon Ave
Irvine, CA 92618

SERVICE ADDRESS: [REDACTED]
ACCOUNT NUMBER: [REDACTED]



TAKE THE SURVEY
irwd.waterinsight.com/survey

949.453.5581 aws@irwd.com



<RecipientID>irwd-1</RecipientID>

Dear Geoff,

The Irvine Ranch Water District is excited to introduce you to the WaterInsight Program. This free service is part of our commitment to provide you with the best tools to manage your water use and your bill. I encourage you to get started today by completing the water-use survey.

Sincerely,

Fiona Sanchez
Director of Water Resources

TAKE THE SURVEY

irwd.waterinsight.com/survey

We estimate that your household includes

5+ people

Please complete the survey above to ensure your Home Water Report provides accurate comparisons and recommendations.

Finish by August 20 for a chance to win two \$50 gift cards—one for you and one for a friend.*

*Sponsored by our survey vendor.

WHAT YOU'LL GET

You'll receive monthly Home Water Reports and access to the WaterInsight Web Portal.



How you compare See how your water use compares to similar homes.



Ways to save Get personalized, step-by-step actions.



News and events Stay up to date.

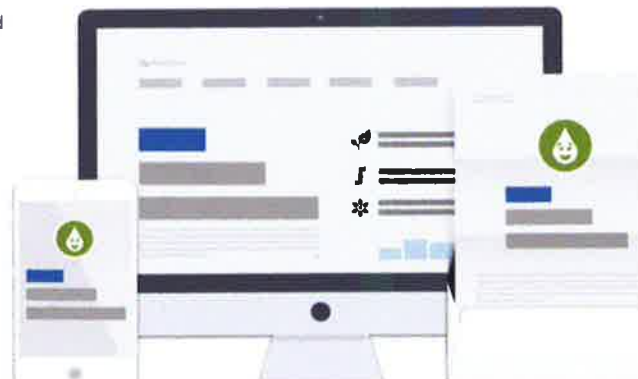
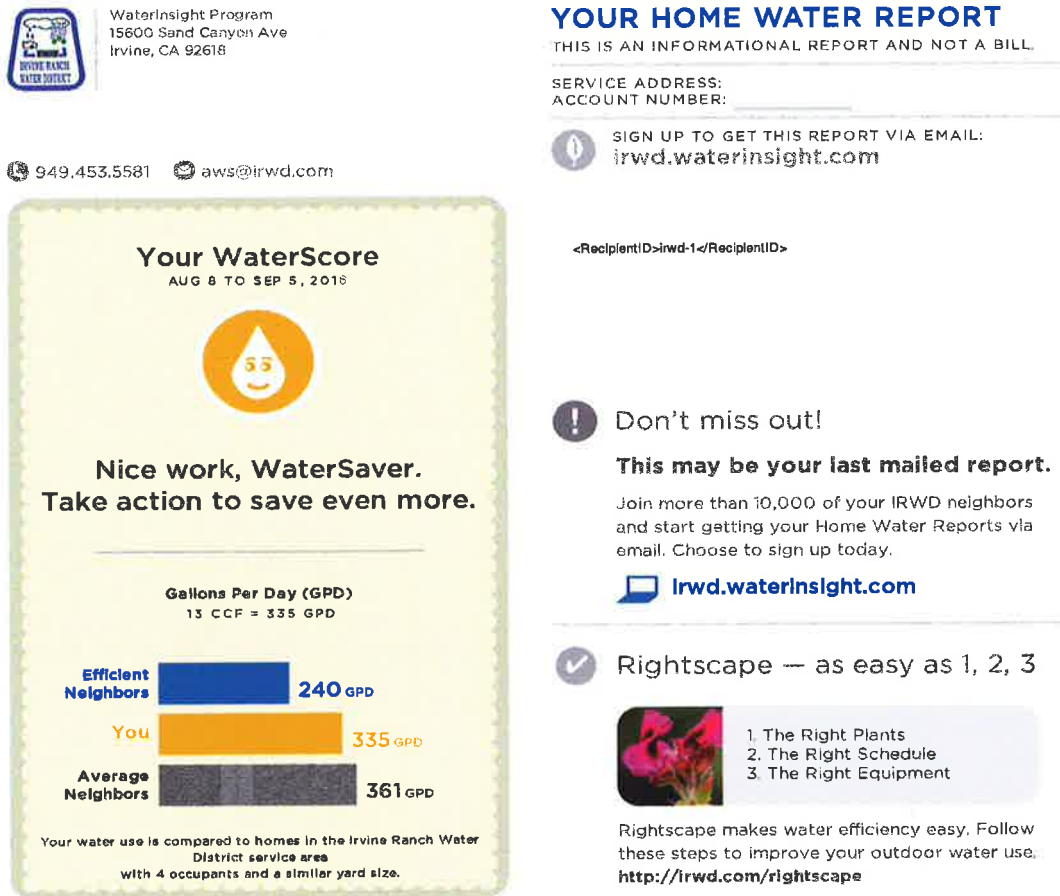


Figure 2: Sample Water Report (Residential)



Water-saving actions just for you

Selected based on your household characteristics, yard size, and historical water use.

 [Log on to update your profile*](#)

Potential annual savings if you:



* UPDATES TO THE WATERINSIGHT WEBSITE WILL IMPROVE THIS REPORT, BUT WILL NOT AFFECT YOUR IRWD ALLOCATION.

Log On

Take the guesswork out of saving water. See:

- Where you're using the most
- All actions relevant to you
- Step-by-step tips and rebates

irwd.waterinsight.com

Registration Code: _____

Zip Code: 92603

A **free** service offered by your water utility and powered by WaterSmart Software®

Figure 3: Customized Areas in Water Reports setup during initialization



Figure 4: Customer Portal Home Page

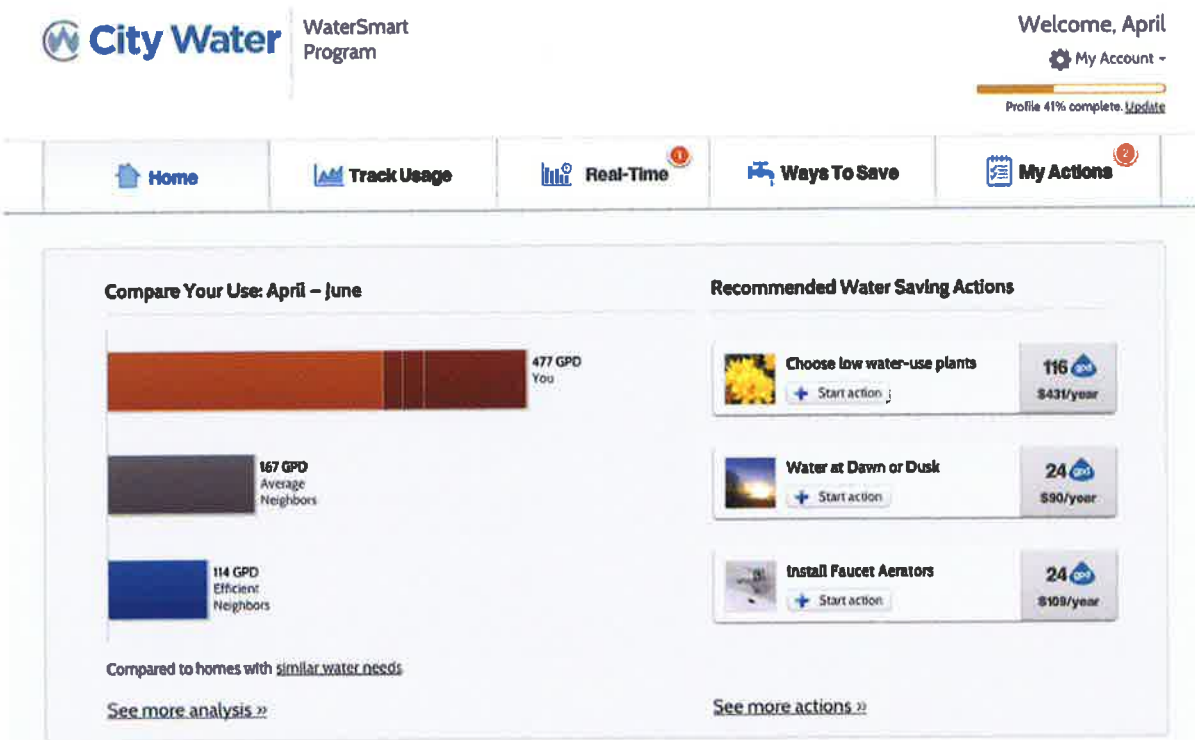


Figure 5: Customer Portal Track Usage Page

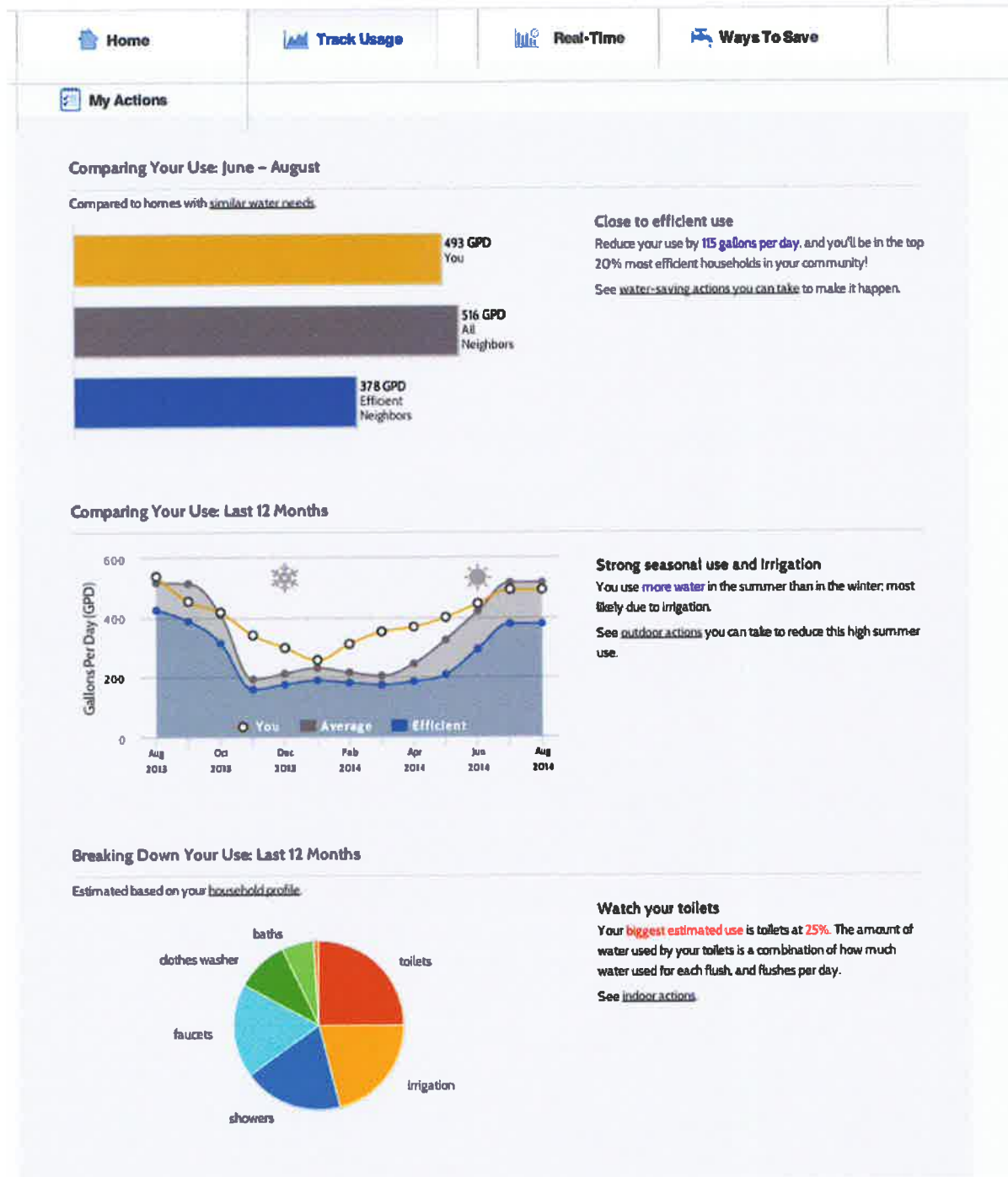


Figure 6: Customer Portal Mobile Web Application



Figure 7: Utility Dashboard Home Page

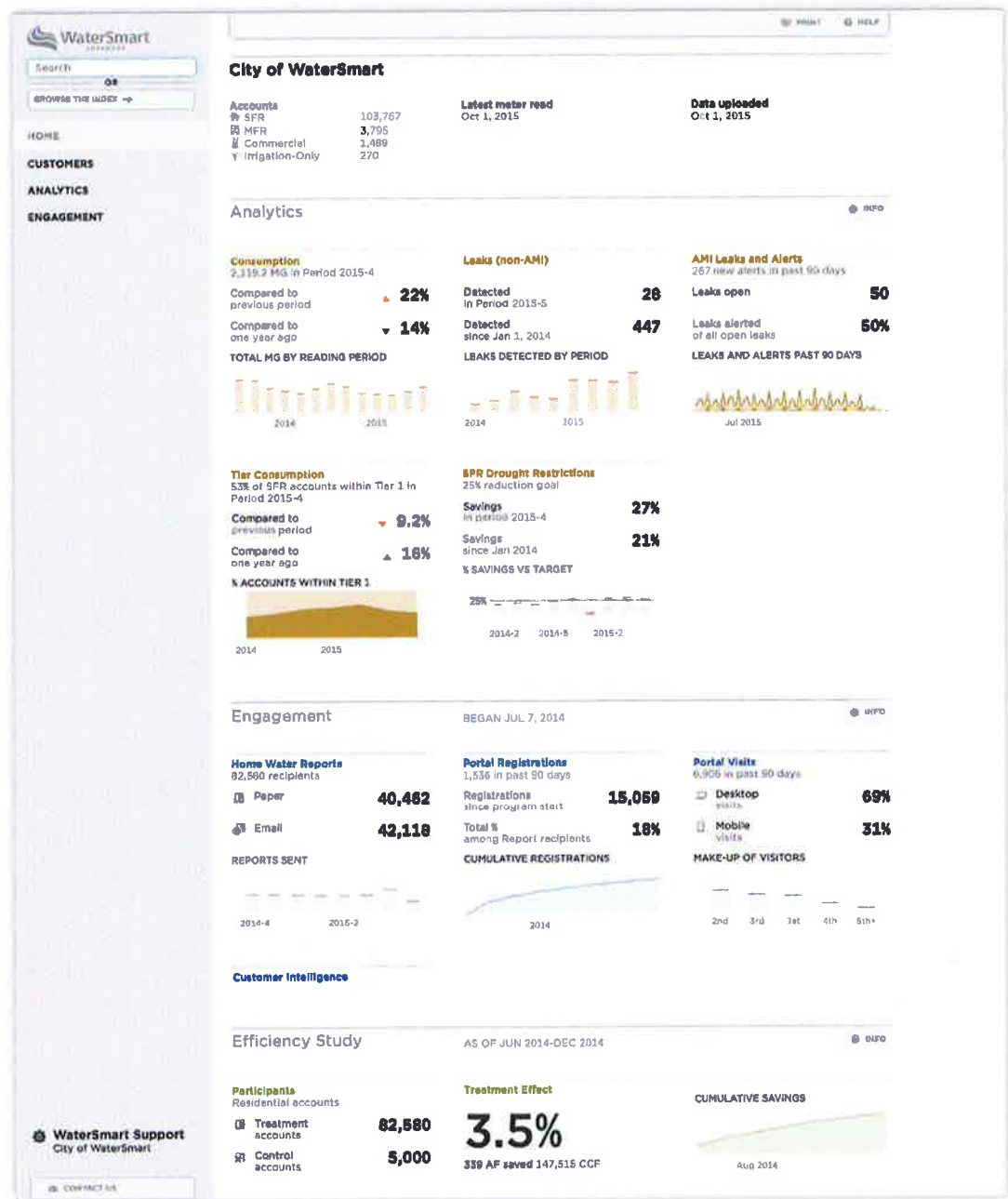


Figure 8: Utility Dashboard Report

Top SFR Consumers by Irrigable Area 100 [results](#) [TABLE VIEW](#) [MAP VIEW](#)

The accounts consuming the most per square foot of irrigable area.

READING PERIOD: 2016-2 [INCLUDE](#) ☐ Suspect Data ☐ Inactive Accounts [GO](#)

ACCOUNT	CCF	GPD	IRRIGABLE AREA	GPD PER SQUARE FOOT	LOT SIZE	POOL	MORE COLUMNS
Michael Kogut 6823 Priscilla St 20578350207	27	336	100	3.37	2,500	No	
Shanna Scheefers 1973 Johan Ave 306212367808	26	324	100	3.24	859	No	
Sherly Refsell 5091 Curtie Ln 303384821800	18	217	80	2.71	728	No	
Joseph Loukas 5989 Thora Ave 802513006905	41	511	200	2.56	1,045	No	
Camellia Vandermark 7278 Birdie St 802077573503	18	224	100	2.24	1,714	No	
None Bonsel 4161 Danilo Ct 802396844204	55	663	300	2.21	3,500	No	
Walter Messman 5348 Jessie St 905599443602	35	436	200	2.18	975	No	
Jonah Pawluch 7104 Helena Ln	18	217	100	2.17	672	No	

Figure 9: Utility Dashboard Customer Profile Page

April Showers
906910329601

5404 Dalsey Ave
WaterSmart, CA 99999



[SFR](#)
[Subscribed to email Home Water Reports](#)
[Subscribed to email Leak Alerts](#)

Profile Highlights [SEE PROFILE](#)

- Registered 3 months ago
demo@watersmart.com
- This customer is compared to homes that have:
- 1 occupant
- 2,000 to 4,000 sq. ft. yard
- Inland
- Watering Days
Tue, Thu, Sat
- Irrigator

Feb 13-Apr 15 (2015-2)

277 GPD
23 CCF Tier 2

[SEE REPORT](#)

- ▼ 15% this period last year
- ▼ 19% last period



Leak Alert Continuous June 04 Started 7 GPM Rate 2,480 GAL Volume June 11 Alert sent by email Dismissed Response

Figure 10: Customized Ways to Conserve

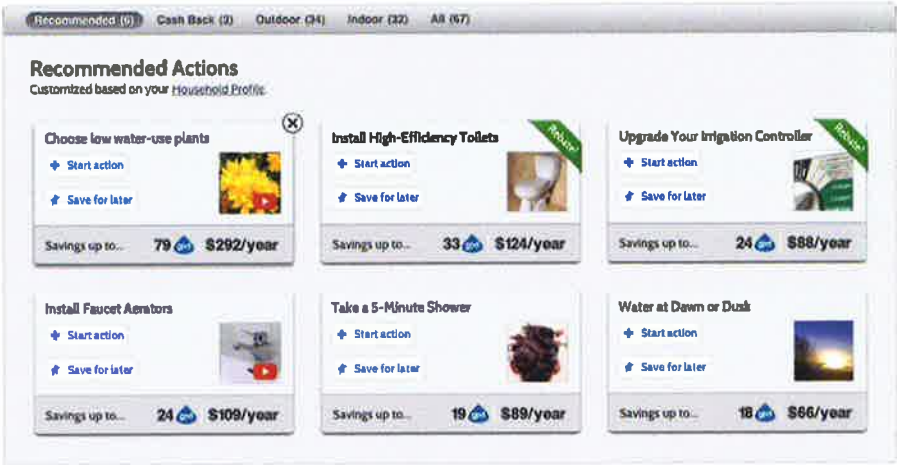


Figure 11: Leak Alert

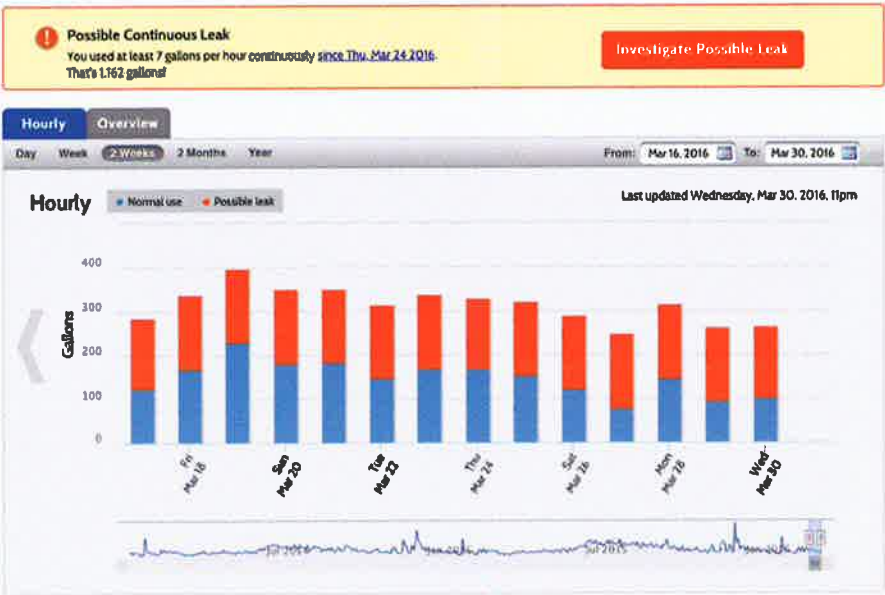


Figure 12: Interactive Map of Accounts

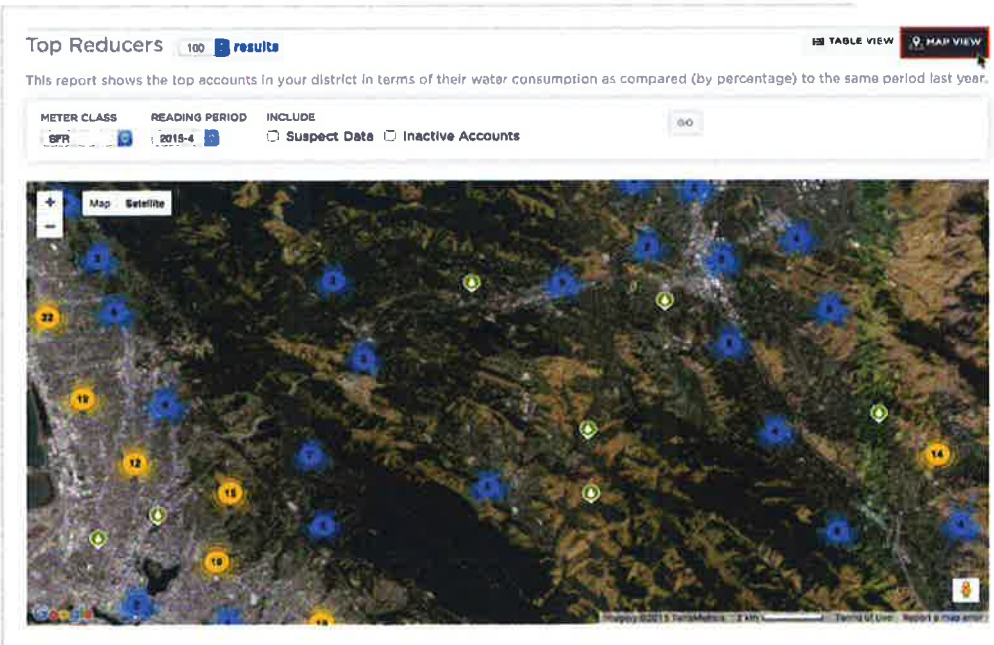
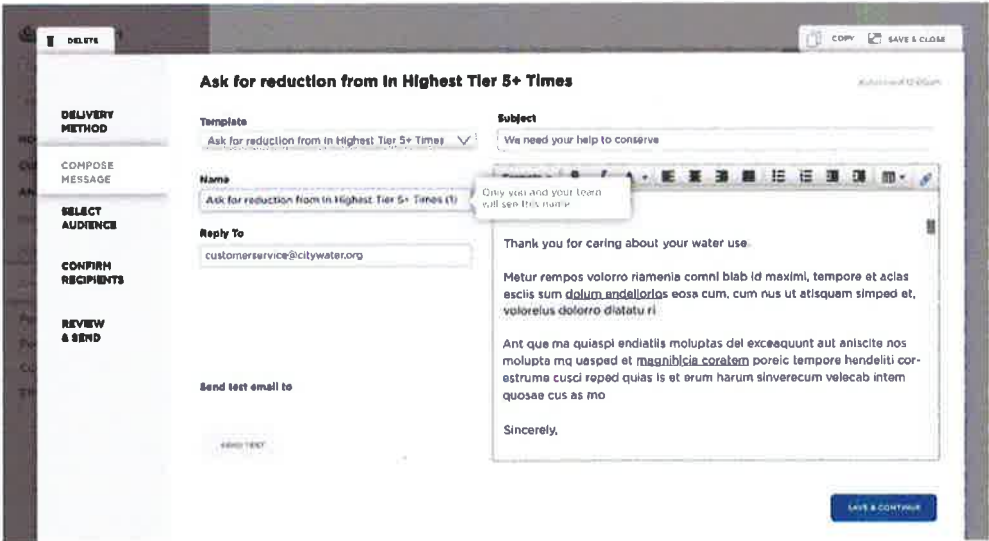


Figure 13: Group Messenger



APPENDIX B: SUMMARY ALLOCATION DATA

OVER ALLOCATION USAGE, BY METER CLASS

The following table was created using data from the WaterSmart Utility Dashboard, including the Consumption Module and the Allocations Module. Data is based on annual meter reading data through May 2016 and includes the latest adjustments to screen out inactive accounts.

<https://admin-lrwd.watersmart.com/index.php/dashboard/DashboardAnalytics/consumption>

Meter Class	Total Accts	Annual Use (2015)	Annual Use Over Allocation	Accounts Over Alloc. 1x+	Accounts Over Alloc. 3x+	Accounts Over 3x+ and Over 5CCF+	20% of Accounts
TOTAL	106,511	69K AF	4.4K AF	48,846	29,205	11,380	21,301
SFR	90,311	22K AF	2.3K AF	41,331	24,882	7,655	18,062
Commercial	5,783	12K AF	0.5K AF	1,804	780	640	1,157
Irrig. (NP)	5,273	21K AF	0.7K AF	2,533	1,184	1,134	1,055
MFR	2,996	6K AF	0.6K AF	1,831	1,441	1,153	599
Irrig. (P)	1,799	4K AF	0.4K AF	1,221	857	745	360
Municipal	272	2K AF	0.03K AF	100	45	38	54
Commercial (NP)	71	0.3K AF	0.01K AF	25	16	15	14
Other	4	0K AF	-	1	-	-	-
Fire Sprinkler	2	0K AF	-	-	-	-	-