

AGENDA
IRVINE RANCH WATER DISTRICT
WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE
MONDAY, MARCH 18, 2019

CALL TO ORDER **8:30 a.m.**, Committee Room, Second Floor, District Office
15600 Sand Canyon Avenue, Irvine, California

ATTENDANCE Committee Chair: Mary Aileen Matheis _____
Member: Steve LaMar _____

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

NOTICE

If you wish to address the Committee on any item, please file your name with the Committee. Forms are provided on the table outside of the Committee Room. Remarks are limited to three minutes per speaker on each subject.

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

5. PROPOSED PERFORMANCE STANDARDS FOR WATER LOSS –
MCNULTY/SANCHEZ/WEGHORST

Recommendation: Receive and file.

ACTION

6. EDUCATIONAL PROGRAM AGREEMENT WITH DISCOVERY CUBE
ORANGE COUNTY – RIVENBURG/FABRIS/BEEMAN/WEGHORST

Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with Discovery Cube Orange County to implement educational programs in the amount of \$191,542 per year for a total cost of \$383,084 for a two-year period covering Fiscal Years 2019-20 and 2020-21.

7. 2019 STATE AND REGULATORY UPDATE – COMPTON/COOK

Recommendation: That the Board adopt a “support” AB 510 (Cooley), AB 1204 (Rubio), and SB 414 (Caballero); a “watch” position on SB 307 (Roth); an “oppose unless amended” position on AB 1486 (Ting); and an “oppose/oppose unless amended” position on SB 332 (Hertzberg).

8. SUPPORT FOR THE NOMINATION OF BRENT HASTEY AS A
CANDIDATE FOR THE ACWA JPIA EXECUTIVE COMMITTEE –
COMPTON/COOK

Recommendation: That the Committee authorize IRWD to communicate its support for Brent Hasty’s nomination to the ACWA Joint Powers Insurance Authority.

9. ANNUAL DISTRICT MEMBERSHIPS IN AND SPONSORSHIPS OF
CHAMBERS OF COMMERCE – COMPTON/COOK

Recommendation: That the Committee provide direction to staff as to the limits of financial participation by IRWD in local chambers of commerce.

OTHER BUSINESS

10. Directors’ Comments

11. 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.

March 18, 2019

Prepared by: A. McNulty

Submitted by: F. Sanchez / P. Weghorst

Approved by: Paul A. Cook 

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

PROPOSED PERFORMANCE STANDARDS FOR WATER LOSS

SUMMARY:

Senate Bill (SB) 555 requires the State Water Resources Control Board to develop performance standards for potable distribution system water loss by July 2020 for urban retail water suppliers. In February 2019, State Board staff released a proposed draft framework and compliance requirements. Data from each urban retail water supplier's annual water loss audit and Electronic Annual Report (eAR) will be used to establish an allowable volume of water loss specific to the water supplier. As proposed, implementation of the standards would occur in four phases to allow time for data quality improvement and water loss program cost effectiveness assessment. The formal rulemaking process is expected to begin in June 2019.

BACKGROUND:

In 2016, SB 555 directed the State Board to develop and adopt potable water loss performance standards by July 2020. The State Board held a series of informal workshops in 2018 with stakeholders designed to provide input to State Board staff. Key areas of concern for water suppliers include the data accuracy and variability among water utilities that will be used to establish the performance standards and program cost-effectiveness. IRWD presented at a workshop on water loss program cost-effectiveness in September 2018 to contribute to the standards development. The proposed standards and compliance requirements were released by the State Board in February 2019 with the formal rulemaking process beginning in June 2019. The proposed standards are attached as Exhibit "A".

The State Board is proposing a four-phase approach to implement the standards. This approach acknowledges the data quality issues and the associated high level of uncertainty for water suppliers, and allows time for data improvement prior to determining compliance. Data from each water supplier's annual water loss audit and eAR will be used to establish an allowable volume of water loss specific to that supplier. The initial performance standards will be adopted in 2020. Compliance will be based on volumetric water loss reduction and performance measures. The water loss standards will be reviewed by the State Board in 2027 using additional data and cost information collected during Phases 1 and 2. Water suppliers may request adjustments to compliance at certain points throughout the implementation period. The regulations will require compliance in each of the four proposed phases described below.

Implementation Phases:

Phase 1: Improved data collection and quality (2020-2022):

The objective of the first phase is to improve data collection and data quality. Compliance in Phase 1 will require water suppliers to conduct and submit a leakage component analysis during 2022 and achieve a rating of at least Grade 4 associated with the data quality for operational pressure in a validated water loss audit. A component analysis is intended to provide improved reliability in quantifying real water loss in the distribution system, and identify key areas for making improvements in the system to reduce loss. IRWD's operating system pressure was rated Grade 9 in its FY 2017-18 water loss audit.

Phase 2: Initial implementation (2023-2027):

Water suppliers will need to comply with their allowable water loss volume included in the urban water use objective during Phase 2. The allowable water loss volume will be based on the initial standards adopted in 2020. It will be determined from the estimate of real water loss reduction, data from eARs and an economic assessment. Water suppliers also will be required to conduct and submit additional component analyses for any two years between 2023 and 2026. This data will be used to determine the appropriate types of water loss control programs and studies the water supplier should consider implementing. The additional data collected in Phase 2 will be used to establish the final performance standards in 2027.

Phase 3: Systemwide implementation (2028-2035):

In Phase 3 suppliers will be required to implement cost-effective, feasible technologies on a systemwide scale to reduce water loss. Suppliers will be required to comply with the standards established in 2027 by 2035.

Phase 4: Ongoing water loss control (2036 onward):

Phase 4 will require regular monitoring of distribution systems, prioritizing infrastructure and continued repair for system components. Water supplier compliance with the final allowable water loss volume will be based on a three-year average with a maximum allowed deviation of 5%.

Full Lifecycle Cost Assessment:

In setting the performance standards, the State Board must include a full lifecycle cost assessment to calculate the economically achievable water loss reduction and resulting allowable water loss volume for each water supplier to include in its urban water efficiency objective. Costs considered in the proposed standards include costs for equipment, staff and data collection related to the three component analysis and water loss control program implementation for leak detection and leak repair, pressure management and prioritized pipe replacement. The benefits considered include avoided costs for water, operational energy reduction and benefits attributable to prevent main line breaks such as avoided property damage, water outages and associated

economic and public health impacts, avoided traffic increases due to repair work and reduced firefighting capability due to water outages. The State Board is expected to hold a workshop on June 7, 2019, to release and review the proposed economic model. Once released, staff will review the underlying assumptions and provide feedback to the State Board on the efficacy of the model.

Compliance and Enforcement:

In addition to the development of water loss standards in SB 555, Assembly Bill 1668 and SB 606 (2018), require water suppliers to calculate urban water loss objectives beginning in 2023. The objectives will include components for residential indoor and outdoor water use, outdoor water use for nonresidential-dedicated irrigation and an allowable water loss volume. A significant concern for water suppliers is the possibility of enforcement for water loss under both statutes. SB 134 (Hertzberg) is intended to address the dual enforcement issue by only allowing the State Board to impose liability associated with the water loss performance standard included in the urban water loss objective. Staff will provide an update on the status of the bill at the Committee meeting.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

Receive and file.

LIST OF EXHIBITS:

Exhibit "A" – Proposed Framework for Performance Standards for Water Loss

Exhibit "A"

Proposed Framework for Performance Standards for Water Loss

Background

[California](#) Water Code section 10608.34 (Senate Bill 555, 2015) sets statutory requirements for monitoring and reducing water losses through leaks in distribution systems. The State Water Resources Control Board (State Water Board) is required to develop performance standards for water loss by July 2020 for urban retail water suppliers (URWS). One important factor the State Water Board is required to evaluate in the development of the performance standards is a life cycle cost assessment¹.

URWS's have been required to submit [water loss audits](#) since October 2017 pursuant to Water Code section 10608.34, subdivision (b) and [regulations](#) developed by Department of Water Resources. The water loss audits are required to be conducted per the M36 manual by the American Water Works Association (AWWA). The accuracy of the water loss estimates from these audits depends on the quality of entered data. The process of assessing the quality of data entered in the audit is called validation. State law requires the submitted audits to be validated as pursuant to California Water Code section 638.3, subdivision (a).

[Assembly Bill 1668 and Senate Bill 606](#), passed in 2018, require URWS's to calculate their own individual urban water use objective beginning in 2023. The objectives will be calculated based on efficient indoor, outdoor and commercial, industrial and institutional irrigation, and an allowable water loss volume.

As part of the pre-rulemaking process for Senate Bill 555, the State Water Board has been engaging with stakeholders, including, water suppliers, industry experts, and environmental justice groups, through [public meetings and workshops](#), and correspondence received from stakeholders. The stakeholder engagement covered topics such as data accuracy and variability, focus areas, program implementation, costs, feasibility and efficiency of interventions. Public meetings were held in Sacramento, Oakland, and Los Angeles in 2018.

Additionally, the State Water Board is collecting data through the Electronic Annual Report (eAR) on existing distribution system characteristics and incurred costs, and the corresponding achieved water loss reduction, to inform the development of cost-effective volumetric standards. Stakeholder feedback was incorporated through public meetings and comment letters to inform the data collection through the eAR.

The formal rulemaking process is expected to begin in June 2019. The regulatory package is anticipated to include appropriate environmental analyses to comply with the California Environmental Quality Act and an assessment of the state-wide fiscal and economic impacts of this regulation.

This document describes the staff framework proposal for performance standards required to be adopted by the State Water Board in 2020 pursuant to California Water Code 10608.34. The

¹ The lifecycle cost assessment will consider costs, and benefits, projected to accrue while implementing interventions over their lifetime, including planning, installation, implementation, and operation of interventions that may be used to meet the performance standards.

framework is an initial staff proposal. After obtaining feedback from stakeholders, staff will develop a regulatory proposal for the formal rulemaking process.

Overview of proposed framework for performance standards

Leakage reduction relies in part on planning infrastructure maintenance and replacement, thus indicating a long-term approach to achieve cost-effective outcomes. The typical approach includes assessment of current leakage, selection of technologies, implementation of water loss reduction technologies, and continued operation of these technologies [1] [2].

For example, to determine a strategy to cost-effectively reduce losses for a distribution system, it is necessary to determine the nature of losses in the system and conduct trials and pilot implementations to assess different available technologies and vendors. The results of these feasibility assessments and technology selection processes can then be used to implement a system-wide strategy. Reductions in water loss are typically observed after the assessment, planning, and implementation in this multi-step process. Hence, the State Water Board proposes to follow a similar phased, progressive approach.

Initial performance standards will be adopted in 2020 by the State Water Board for all URWS through its regulations. Compliance with the regulations will be in the form of volumetric water loss reduction and performance measures. The regulations for performance standards would require compliance in each of four Phases:

1. Improved data collection and quality, as needed (2020 - 2022)
2. Initial implementation (2023 - 2027)
3. System-wide implementation (2028 - 2035)
4. Ongoing water loss control (2036 onwards)

The initial performance standards will include allowable water loss volumes during Phases 2, 3, and 4. The proposed approach will provide opportunities for adjustments to those volumes based on additional data in Phase 1. The allowable water loss volumes for Phases 3 and 4 could be adjusted at the end of Phase 2. Additional details are provided below in sections describing the proposed individual phases.

Adjustments: Staff proposes opportunities and processes for URWS's to request adjustments of either their allowable water loss volume based on updated, validated data or a compliance deadline in case of exceptional scenarios. Additional details on the format and provisions of these adjustments are outlined in the section titled Provision for Filing of Adjustments by UWRS's.

Phase 1: Improved data collection and quality (2020 - 2022)

The State Water Board provided \$3.2 million in funding to the California-Nevada section of AWWA (CA-NV AWWA) to develop and execute a Technical Assistance Program (TAP) over a period of two years to facilitate the reporting of water loss volumes through AWWA audits. The report on TAP [3] outlined gaps in collected data and monitoring practices that could impact the reliability of data from water loss audits. The gaps identified were uncertainty in estimating source and customer meter inaccuracy and average operating pressure and negative or technically implausible estimates for water loss. The stakeholder process, water audits and the electronic annual reports together show that some URWS's in California lack adequate data to

reasonably assess the potential for water loss reduction and select appropriate technologies and approaches.

Validated water loss audits have a provision to assess the reliability of the data entered, known as “grades.” Grades are entered by the reporter and validated by a certified individual distinct from the reporter for various data such as water produced, water exported or imported, billed or unbilled consumption, metered and unmetered consumption, system characteristics such as length of mains, number of service connections, and average operational pressure. The grades are in the form of numbers from one through ten, where a higher numeric grade represents higher data reliability owing to more effective practices. The TAP report provides recommendations for certain monitoring practices and analyses which can improve data quality to resolve such uncertainties and provide a more robust estimate of real losses.² Improving the quality of these data supports planning of water loss control strategies.

The objective for Phase 1 is to improve collection and quality of data that will increase the reliability of real loss estimates and provide the basis for determining available and appropriate water loss control strategies. This objective will be achieved through the following compliance requirements:

1. Conduct and submit Leakage Component Analysis in 2022

Water loss through leaks consist of three broad categories: reported, unreported and background leakage. Water suppliers are alerted of reported leaks through visual observation, as these leaks present visible signs. Large main breaks fall into this category. Unreported leaks are detected by specialized equipment and typically are smaller in size than reported leaks. Background leakage is generally comprised of small flows of leakage that cannot be easily detected through leak detection equipment, and is affected by the operational pressure, age, and condition of the system. Assessment of the nature and composition of leakage is crucial for determining a cost-effective water loss control strategy.

A spreadsheet-based tool,³ known as the Leakage Component Analysis Model developed by the Water Research Foundation, provides a system-level assessment of the nature of water losses. The Leakage Component Analysis is informed by reports on leaks, results from any leak detection activities conducted throughout the distribution system, and the operational pressure and age of the distribution system. Thus, the analysis relies on data collected on individual leakage events and broad operational characteristics to obtain the real loss volume for the distribution system. In addition to providing a high-level leakage profile for the system, it also provides a check for the real loss estimated in the water loss audit [4]. The tool and report provide guidelines for a data collection for the Component Analysis. Staff proposes that the Leakage Component Analysis be conducted according to the Leak Repair Data Collection Guide provided with the Leakage Component Analysis Model.³

² ‘Real losses’ are water losses through physical leaks in the system, as opposed to ‘apparent losses’ which are revenue losses due to billing, systematic or metering errors, or theft of water.

³ Leakage Component Analysis Model (2014): <http://www.waterrf.org/resources/Pages/PublicWebTools-Detail.aspx?ItemID=27>

Real Loss Component Analysis: A Tool for Economic Water Loss Control, 2014, <http://www.waterrf.org/Pages/Projects.aspx?PID=4372>

The Component Analysis may entail instituting practices for systematic data collection and improving records. The proposed regulation would allow a URWS to file for an adjustment for an extension to the submission date if the URWS can demonstrate that additional time is required to complete and submit a Component Analysis.

2. Achieve at least grade 4 for average operational pressure in AWWA M36 validated water loss audit submitted in 2021

High operational pressure and variation can increase the amount of leakage from distribution systems [5] [6] [7] [8]. Higher operational pressure can cause higher loss of water through defects in infrastructure, as it tends to increase flow of water through such defects. Additionally, overall variations such as extremely high maximum operational pressure and short-term spikes in pressure can strain infrastructure. These effects are pronounced within distribution systems with high operational pressure, pressure fluctuations and a higher portion of flexible pipe material. Pressure reduction and management are established interventions, recommended by industry experts, to reduce leakage and main breaks in such distribution systems. Further, pressure management provides benefits such as increased infrastructure durability and energy-efficient operation due to the reduced operational pressure for the distribution system [9].

The first step towards determining the potential benefits of pressure management is to effectively monitor the operational pressure in the distribution system. A distribution system is typically divided into pressure zones according to pressure needs for different areas of the service area [10]. Each pressure zone is typically operated at an average operational pressure. These individual pressure zone measurements are used to determine the average operational pressure for the entire system. As the Leakage Component Analysis incorporates system condition and operational pressure to determine the leakage profile, determining the average operational zone pressure for the entire system is a crucial data input for conducting a sound and constructive Component Analysis.

Receiving grade 4 for the data entered for average operational pressure represents pressure monitoring for individual zones from limited pressure monitoring and supplementary calculations using ground elevation data. As reflected in water loss audits submitted in 2017, 63 URWS's received a grade lower than grade 4 in average operational pressure monitoring. These utilities did not implement practices that could provide a basis for obtaining reasonable estimates for the pressure in individual pressure zones (Figure 1). Lack of basic pressure monitoring could prove to be roadblock in determining the potential of leakage reduction through pressure management, and thus restrict options that might be available to an URWS for cost-effective water loss reduction.

Accordingly, State Water Board staff propose compliance with the practices included in grade 4 at minimum for the operational pressure entry of the AWWA water loss audit to establish data collection and estimation techniques to obtain average operational pressure estimates. This would allow and ensure all URWS's to progress towards obtaining estimates of average operational pressure in their distribution system for the

Component Analysis and to determine potential pressure management strategies. *The proposed compliance deadline is October 1, 2021, in alignment with the annual water loss audit submission date.*

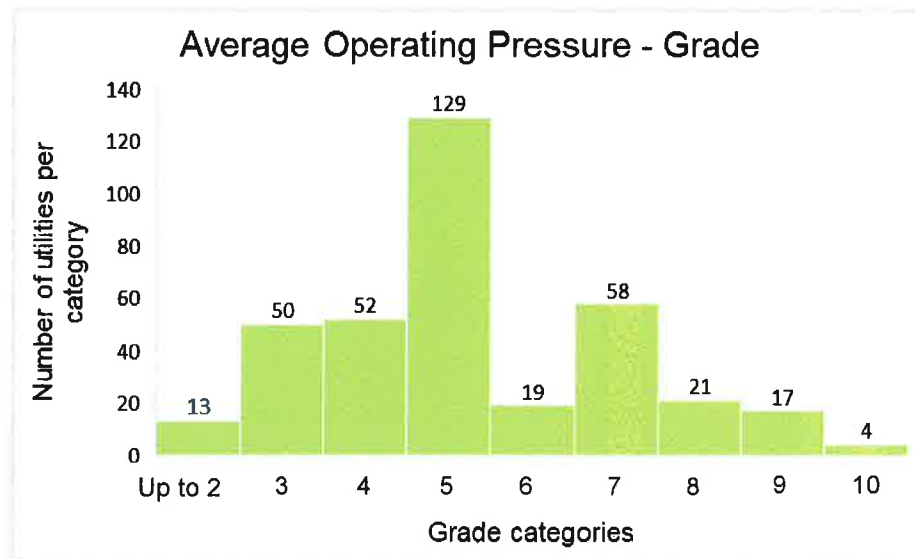


Figure 1 Distribution of Grades for Average Operating Pressure (2017)

URWS's would be able to request adjustments to the compliance date for Phase 2 in case of inability to collect data of adequate quality. Approval by the State Water Board of an adjustment will require evidence of inability to collect data by established methods required for compliance with regulatory requirements for this phase. Please refer to the section on adjustments for additional details and deadlines.

Phase 2: Initial Implementation (2023-2027)

Allowable water loss volume to be included in urban water use objective by 2027

Water loss control can be addressed through four foundational approaches: Detecting and locating leaks, efficient responses to reported leaks, reducing operational pressure and pressure variations, and prioritizing infrastructure replacement (Figure 2). These approaches can be implemented through various types of interventions currently available in the industry. The feasibility of implementation for different interventions depends on a given distribution system's unique characteristics, including the nature of leakage in the system. The objective of this phase is to utilize findings from the Component Analysis submitted in 2022, determine suitable interventions and require initiation of feasible and effective intervention strategies.

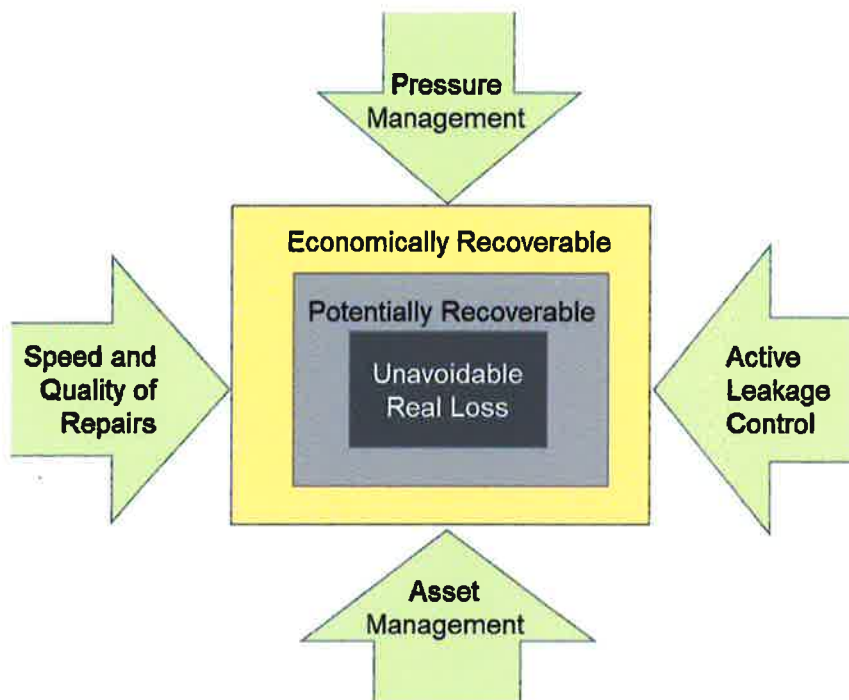


Figure 2 Foundational Approaches to Leak Detection

Based on stakeholder feedback and several reports on planning for water loss control, [11] [12] [13], a crucial step in technology selection is conducting pilot studies and observing efficiencies on a small scale before a full-scale implementation. The proposed regulation would provide time for URWS's to conduct these pilot studies to select efficient technologies and begin initial implementation towards reducing water losses.

From 2023 to 2026, staff proposes that URWS's submit Leakage Component Analyses during at least two years. For example, URWS's would be able to choose two years from 2023, 2024, 2025 and 2026 as their submission years for two separate submissions of the Leakage Component Analysis. The objective behind this proposed requirement is that the Component Analyses and findings from initial implementation of water loss control interventions inform each other for an efficient system-wide implementation in the later phases.

During this phase, URWS's will also have to comply with their urban water use objective, which will include an allowable water loss volume determined from the real loss reduction achieved through the initial implementation of interventions. The allowable water loss volume will be based on the initial performance standards adopted in 2020. This volume will be determined through an economic assessment using data from electronic annual reports and available literature. Additional details are provided in the section "Framework of Economic Model."

State Water Board staff anticipate that additional data on costs incurred and associated water loss reduction will be available from improved data quality and initial implementation in Phases 1 and 2, which will be reported via Leakage Component Analyses and Electronic Annual Reports. Staff proposes an additional assessment in 2027 of the initial (2020) performance standards after Phase 2 to determine final performance standards. Compliance with these final

performance standards would be required at the end of Phase 3 in 2035 and on an ongoing basis in Phase 4 beginning in 2036.

Phase 3: System-wide Implementation (2028 - 2035)

This phase will require URWS's to implement feasible technologies on a system-wide scale to effectively detect and locate leaks, prioritize infrastructure replacement and repair or replace infrastructure cost-effectively. For URWS's that opt for pressure management in part or whole of their system, large-scale implementation of pressure management [8] will be expected in this phase. The objective of this phase is for URWS's to achieve an economically achievable water loss reduction as part of a sustainable water loss control strategy.

Staff proposes that in 2035 URWS's comply with the allowable water loss volume adjusted as per the additional assessment in 2027 of the initial 2020 performance standards. Findings from the Component Analyses, data from water loss audits and Electronic Annual Reports submitted by URWS's after 2020 will be incorporated in this assessment.

Phase 4: Ongoing Water Loss Control (2036 onwards)

Maintaining an appropriately low level of leakage efficiently requires continued infrastructure maintenance to control newly emerging leakage over time. These maintenance efforts involve regular monitoring of the distribution system, prioritizing infrastructure replacement and continued repair (and replacement as suitable) for system components. From 2036 onwards, URWS's would be required to comply with their final allowable water loss volume on a three-year average basis with a maximum allowed deviation of 5%.

Staff proposes that URWS's be able to request adjustments to this deviation during Phase 3. This would enable the State Water Board to incorporate this adjustment in the assessment of the initial performance standards while providing the final performance standards for Phase 3 and beyond.

Figure 3 provides an overview of the compliance and adjustment requirements.

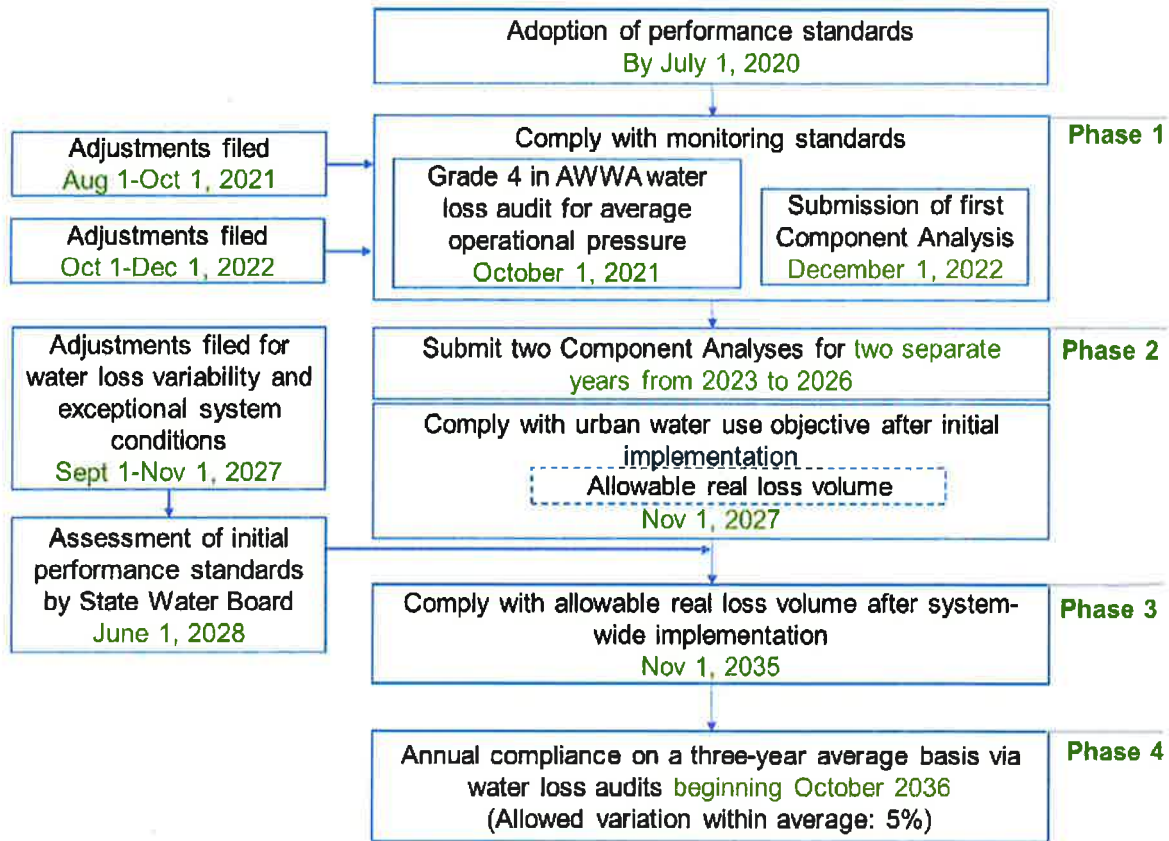


Figure 3 Overview of water loss performance standard setting process and compliance milestones

Framework for Economic Model

Water Code section 10608.34 requires the State Water Board to consider life-cycle cost accounting in its development of water loss performance standards. For URWS's, cost-effective water loss reduction requires a balance between the potential benefits, and costs associated with reducing and maintaining losses at a lower level. For example, eliminating leakage completely from a water distribution system may not be economical, with the costs incurred being out of proportion with the benefits achieved (this is reflected in Figure 2 as economically recoverable leakage). The objective of these regulations is to determine the water loss volume that can be cost-effectively achieved for each URWS, with costs and benefits estimated over the life cycle of an intervention strategy or combination of intervention strategies.

Costs and benefits need to be evaluated in light of climate change. The effects of climate change are expected to be extended and severe droughts and warmer temperatures that affect precipitation patterns. At the same time, California faces an increasing demand for water. Water loss control from distribution systems is an effective way of conserving water and strengthening drought resilience and potentially avoiding the need for additional water resources. Additionally, water lost through leakage from URWS's infrastructure is usually treated to potable quality, conveyed from treatment facilities to the end user, and at times imported from distant sources of

water before being lost as leakage. Accordingly, the water lost can also have a high energy and carbon footprint for the URWS.

The major anticipated costs and benefits associated with compliance with the approach outlined in this document are expected to be:

Costs

- Equipment and staffing to improve pressure monitoring to AWWA water loss audit grade 4
- Data collection, software requirements and staffing for the three submissions of Leakage Component Analysis
- Technology, staffing, selection, procurement, installation, operation, monitoring, and analysis for implementing interventions pertaining to:
 - Active leak detection and associated repair
 - Efficient response to repairing reported leaks
 - Pressure management including operational pressure and transient reduction
 - Prioritized pipe replacement
- Communications and outreach for activities related to pipe replacement and pressure reduction
- Staffing for reporting

Benefits

- Avoided costs of water owing to:
 - Avoided future “demand” or other water supply needs due to water loss reduction
 - Operational energy reduction
- Additional benefits associated with preventing main breaks that surface to the ground. In the initial performance standards, the estimates will be proportioned based on number of breaks reported in the electronic annual reports. In the assessment in 2027, the Component Analysis will inform this estimation:
 - Avoided damage to property
 - Avoided water outages and associated economic and public health impacts: The extent of outages will be determined from pipe sizes and typical leak flows from affected pipes [14].
 - Avoided traffic increase: Available methods to calculate the extent and impacts of traffic will be used to determine the benefits [15] [16]. The extent of impact will be estimated from case studies and examples.
 - Reduced firefighting capability due to water outages: The impact on firefighting capability affected by water outages can be determined from the pipe size and typical flows from the pipe.

Different intervention approaches incur different costs depending on various system characteristics. Based on stakeholder feedback and various studies, certain distribution system characteristics can pose constraints to the implementation of commonly used technologies and incur higher costs per mile of pipe, per pressure zone or per leak [17]. The economic model will incorporate the effect of such system characteristics on costs and efficiencies of intervention technologies. Such system characteristics are broadly outlined as follows:

- Number of pressure zones: Distribution systems are typically divided into zones based on pressure requirements. Large pressure zones can increase the cost of implementation for pressure monitoring and management. The average size of pressure zones will be derived from data provided in electronic annual reports and water loss audit reports.
- Pipe material: Acoustic or sound-based leak detection methods, which detect typical noises due to water leaking through a pipe defect, are widely used for water loss control. Such technologies may have decreased efficiencies in non-metallic, that is, plastic or cement-based pipes. Leak detection on such pipe materials require additional methods such as sound amplifiers or technologies that are advanced, for example, leak correlators, that can detect sounds at lower sound frequencies and require additional training. Such technologies are available for leak detection in non-metallic pipes, but that implies a constrained group of available technologies for leak detection in such pipes. Data on distribution system composition will be obtained from electronic annual reports [18] [19].
- Pipe size: Acoustic technologies typically have reduced efficiencies in pipes larger than sixteen inches due to attenuation of the leak noise being detected. In many cases this effectively constrains the availability of cost-effective technologies for leak detection [18].
- Terrain: Rough terrain can pose challenges in leak detection and accessibility for monitoring. Cost estimates from implementation examples for conducting leak detection and monitoring in such terrains will be incorporated in the model.
- Leak size: Smaller leaks often require additional technology with a higher sensitivity for locating leaks. The occurrence of small leaks can be determined from the Component Analysis and can be incorporated in the assessment after Phase 2 [18].

Economic Analysis for the Initial Performance Standards

The initial performance standards for allowable water loss volume for Phases 3, 4 and beyond will be based on currently available data from electronic annual reports, water loss audits and literature on implemented water loss case studies [12] [8] [20] [21] [22] [23]. Limited data on costs and water loss reduction from different intervention strategies are currently available from the annual reports. Additional data from literature on water loss control implementation will be used to develop curves relating cost and the level of leakage for different intervention strategies. Case studies reporting implementation of the intervention strategies at different levels of leakage will inform these curves, thus incorporating costs for water loss control for distribution systems at low initial leakage levels.

System characteristics, and cost estimates, will be put into appropriate groups to create cost curves that apply to distribution systems with similar characteristics. Data from electronic annual reports will provide information on the pipe material composition. Water loss audits will provide estimates of water loss volumes and average operational pressure.

Allowable water loss volume for Phase 2: Data from electronic annual reports will provide cost estimates for implementation of different interventions on a pilot scale. These estimates will be supplemented with estimates from literature [8] [12] [20] [21] [22] [23]. The allowable water loss volume will be based on a conservative estimate of water loss reduction typically achieved through pilot implementations, given the toolbox of

technologies available to the URWS. URWS's will be required to comply with their urban water use objective, which includes this allowable water loss volume.

Allowable water loss volume for Phase 3: Cost curves developed from the process described above will be used to determine an allowable water loss volume for compliance at the end of Phase 3 and ongoing compliance in Phase 4.

The allowable water loss volume will be dependent on the projected cost to be incurred. The eventual costs will depend on intervention strategies that will likely be employed, which in turn depend on the needs of the distribution system. The need for different foundational approaches will be assessed based on the condition of infrastructure and the nature of leakage, as described below.

Prioritized pipe replacement

Distribution systems may include pipes that are at or near the end of their lifetime. The analysis will include estimation of the proportion of distribution system pipes that could require prioritized replacement. Material, age and size of pipe are factors intrinsic to distribution systems that determine the useful lifetime of pipes. External factors such as soil corrosivity, soil temperature and moisture variation have been found to be significant [24] [25]. A [recent report](#) on life cycle assessment of water distribution pipes provides typical estimates for service life from an extensive review of field observations of different pipe materials, subject to external and intrinsic factors.⁴ The analysis will be based on these estimates and industry estimates, to determine the need for scheduled prioritized pipe replacement in the various phases of the implementation of the regulation. This replacement need will be deemed to be additional to repairs or replacement occurring to address unreported or reported leaks. Estimates of typical leak reduction associated with prioritized pipe replacement will be obtained from data from electronic annual reports.

Characterization of leakage

Leakage can occur in different forms and thus can and needs to be detected in different ways. Leaks can be typically controlled by managing operational pressure if not reported on observation or detected by leak detection surveys. Before the nature and scope of leakages in a URWS's system can be more comprehensively determined by the Leakage Component Analyses, proposed to be submitted in 2022, the nature of leakage in distribution systems is proposed to be characterized based on the average operational pressure and real loss volume for the distribution system.

The proposed initial approach is based on methods used for assessment of water loss by observing pressure and real loss simultaneously [26] [23]. For example, for a URWS, if the real loss per connection per day is high as compared to other URWS's with similar characteristics, while the pressure is comparatively low, a substantial portion of the overall water loss has a high likelihood of being rectified through active leak detection and quicker response to repairs. If the operational pressure is comparatively high, pressure management has a high likelihood of rectifying background leakage. Studies

⁴ Sustainable Solutions Corporation, 2017, Life Cycle Assessment of PVC Water and Sewer Pipe and Comparative Sustainability Analysis of Pipe Materials

on implementation of the quadrant analysis recommend grouping systems according to connection density (connections per mile) for a reliable preliminary analysis. The proposed analysis will inform costs curves that will be considered for determining an allowable water loss volume as part of the initial performance standards to be adopted in 2020.

Data on average operational pressure and real loss volume will be available from annual water loss audits. These data reported by URWS's will be benchmarked on a quadrant plot as shown in Figure 3. A quadrant plot is a cross-plot between two performance indicators, pressure and real loss in this case, for a preliminary assessment of the foundational approaches that will provide effective water loss control strategies for water loss reduction [27].

The quadrant analysis is typically conducted using indices that compare current levels to the technical minimum for pressure and water loss (Infrastructure Leakage Index). For this analysis, performance indicators that are proposed to be considered are:

- Average operational pressure and volumetric real loss per mile per day
- Average operational pressure and volumetric real loss per connection per day

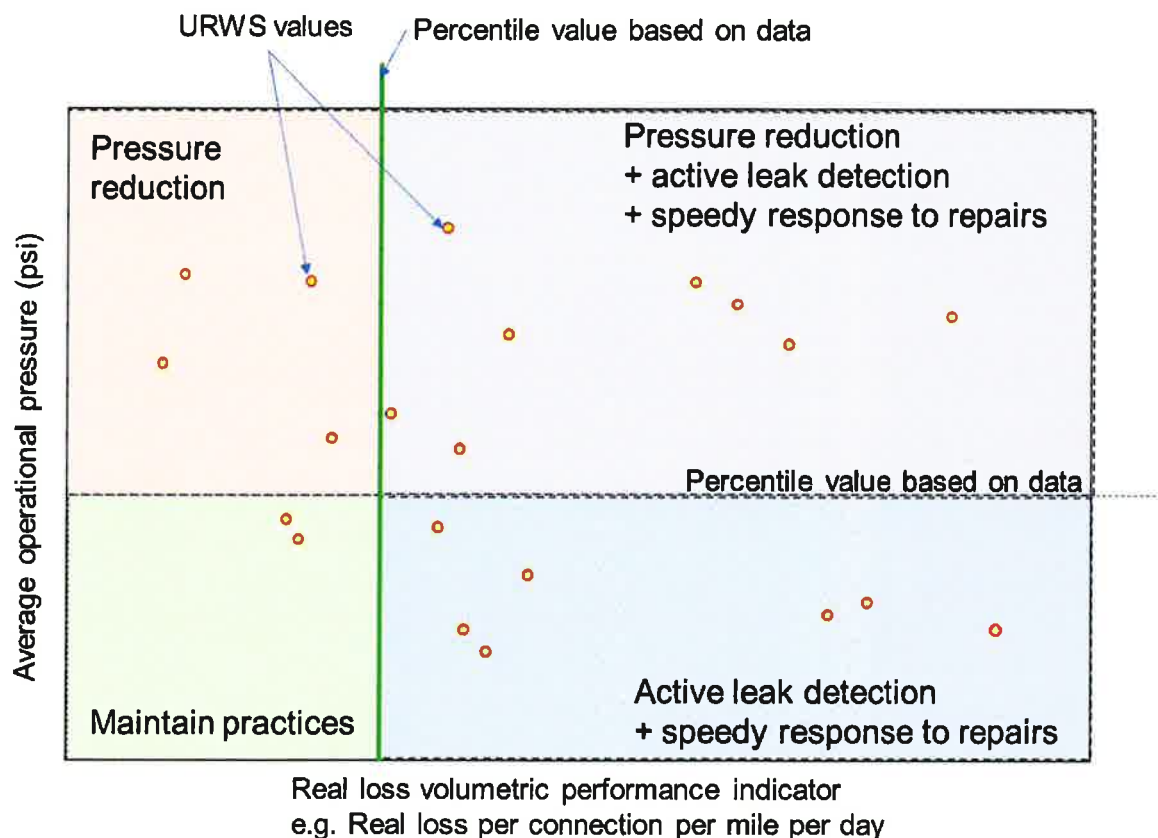


Figure 4 Quadrant Analysis to characterize real loss

Cost curves will be evaluated according to the leakage profile of a system established from the methods described above. An economical level of leakage will be expected to be achieved based on a cost benefit analysis, given the intervention technologies available in each foundational approach for water loss control. These curves will be used to determine a conservative estimate of water loss reduction.

Assessment for final performance standards

Staff proposes to assess the initial performance standards based on additional data from Phases 1 and 2 to determine final performance standards for Phases 3 and 4. These data would include annual water loss audits up to 2027, findings from the Component Analysis submitted in 2022, and reporting on initial implementation via electronic annual reports.

The results from the Leakage Component Analysis would be used to adjust the characterization of leakage for each system, which would inform cost assessment based on likely intervention strategies available to the URWS. Cost and water loss reduction estimates from the initial implementation will provide additional data for the cost curves.

Provision for Requesting Adjustments by UWRs's

URWS's would be able to request adjustments to the standards with respect to compliance dates or allowable volumes during specific periods proposed for each adjustment. It can be reasonably expected that there will arise conditions that are likely to impact an URWS's ability to comply with their regulatory obligations. These adjustments will be evaluated on a case-by-case basis. Some expected causes for adjustment and their specific filing periods are as follows:

- Compliance deadline extension for Phase 1
URWS's would be able to request an extension to the compliance dates for Phase 1 if they can demonstrate a justifiable inability to obtain the data required to comply with the Phase 1 requirements. A URWS would be able to request these adjustments on the grounds that they have exceptional conditions which prevent them from implementing established measures or strategies to comply with these requirements. The request would need to be accompanied by evidence of conditions pertaining to distribution system characteristics or administrative procedures warranting the adjustment. There would be two opportunities to request adjustments during Phase 1:
 - Achieving at least grade 4 for average operational pressure in the annual water loss audit by October 1, 2021
If an URWS is unable to take steps to at least grade 4 due to unavoidable or delaying conditions, it would be able to request an extension of the compliance date. The filing period for any such request would be between *August 1 and October 1, 2021*.
 - Submission of Component Analysis by December 1, 2022
If an URWS is unable to compile a Component Analysis by December 2022, due to inability to collect the required data, it would be able to request an extension of the compliance date. The filing period for any such request would be between *October 1 and December 1, 2022*.
- Adjustment to allowable water loss volume for Phase 2
A URWS would be able to request an adjustment to the allowable water loss volume adopted by the State Water Board in 2020, due to a change in their estimated water loss

level based on water loss audits conducted in 2021 and/or 2022. A URWS would need to demonstrate a significant change in their real loss estimates from their findings in the submitted water loss audits in 2021 and 2022. A URWS would also be able to request an adjustment to the allowable water loss volume for Phase 2 if it can demonstrate exceptional conditions which prevent it from implementing established measures or strategies to comply with these requirements. The request would need to be accompanied by evidence of conditions pertaining to distribution system characteristics or administrative procedures warranting the adjustment.

- Adjustments to real loss volume and variability requirements for Phases 3 and 4

Requests for these adjustments would be filed between *September 1 and November 1, 2027*. Case-by-case evaluations of these adjustments will be incorporated in the assessment of the initial performance standards by the State Water Board. An URWS would be able to request either or both adjustments.

- Adjustment to allowable real loss volume for Phases 3 and 4

An URWS would be able to request an adjustment due to exceptional conditions which prevent it from implementing identified intervention strategies that have been otherwise demonstrated in to be effective for real loss reduction with strong consistency. A request for this type of adjustment would need to be supported with evidence of approaches that were not successful and the justification for inability to use any alternative approach to achieve the allowable real loss volume.

- Adjustment to the allowed maximum annual real loss variability of 5% for Phase 4

An URWS would be able to request an adjustment if some condition(s) unique to it cause the annually monitored real loss for its distribution system to consistently vary by more than 5%. The request for adjustment would need to be supported by evidence on the causes for such variability, measures taken to address the variability and lack of success of said measures to decrease the variability.

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March 18, 2019

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Submitted by: B. Beeman / P. Weghorst

Approved by: Paul A. Cook



WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

EDUCATIONAL PROGRAM AGREEMENT WITH DISCOVERY CUBE ORANGE COUNTY

SUMMARY:

Since 2007, IRWD has collaborated with Discovery Cube Orange County to create and implement meaningful water education programming for schoolchildren throughout the District's service area. Over the course of this 12-year partnership, District-sponsored elementary school assemblies, presentations and field trips to the San Joaquin Marsh have educated approximately 112,000 students about the importance of water and water use efficiency in our lives, communities and environment. The execution of a proposed two-year agreement with Discovery Cube for Fiscal Years (FY) 2019-20 and 2020-21 would continue the successful assemblies and field trips, while introducing a new Ocean Quest field trip component for middle school students. Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with Discovery Cube Orange County to implement educational programs for \$191,542 per year – a total cost of \$383,084 over a two-year period.

BACKGROUND:

IRWD first formed a partnership for water education with Discovery Cube (formerly Discovery Science Center) in 2007. The partnership was renewed in 2010, 2013 and 2016 for additional three-year periods. Since its inception, the program has educated approximately 112,000 students about the importance of water and water use efficiency through the implementation of school assemblies, presentations and field trips. Staff recommends renewing the program partnership for two additional years, which will align with the District's new two-year budgeting process. Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with Discover Cube based on the attached two-year scope of work, provided as Exhibit "A". Following is a summary of the education programs to be implemented over the two-year period.

Educational Programs:

- *School Assemblies:* Students in kindergarten through fourth grade will participate in assembly-style programming that teaches grade specific, Next Generation Science Standard aligned content that builds year after year. Handheld key pads and interactive skits will provide hands-on learning opportunities that are fun and engaging;
- *Water Quality Lab and Field Trips:* In this two-part program for fifth graders, students will attend a workshop at school to learn about water quality testing. The second day of the program will take the students on a field trip to IRWD's San Joaquin Marsh where they will tour the ponds, learn about the Michelson Water Recycling Plant and perform tests for dissolved oxygen with samples collected from the San Diego Creek. Water conservation and learning kits will be distributed to the students for use at home; and

- *Citizen Science Program:* This new program will extend the District's educational outreach to middle school students, providing more advanced learning opportunities for grades 6 through 8. The program will begin with an in-class workshop, where students will learn about the lessons and activities they will encounter during a field trip to Newport Harbor. The second day of the program will include a three-hour visit to Ocean Quest, where students will collect data that they will share with citizen science partners in Orange County. The field trip will include 90 minutes on a boat, collecting water samples and keeping watch over Marine Protected Areas. Students will also spend 90 minutes on land processing water samples in the Ocean Quest lab, testing for bacteria, collecting marine debris at the beach and recording the data online, where their work will become a part of the public record.

FISCAL IMPACTS:

The cost of the elementary and middle school education programs will be \$191,542 per year for a total cost of \$383,084 over a two-year period. Program costs are included in the proposed FY 2019-20 and 2020-21 operating budgets. The program will be funded from over-allocation revenues.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

That the Board authorize the General Manager to execute a Professional Services Agreement with Discovery Cube Orange County to implement educational programs in the amount of \$191,542 per year for a total cost of \$383,084 for a two-year period covering Fiscal Years 2019-20 and 2020-21.

LIST OF EXHIBITS:

Exhibit "A" – Discovery Cube Scope of Work

Exhibit “A”



Discovery Cube Scope of Work **Irvine Ranch Water District, 2019-2021**

Background

The Irvine Ranch Water District (IRWD) and Discovery Cube Orange County (DCOC) have been partners on a comprehensive water education program since the 2008 school year. Since that time, this partnership has reached over 110,000 students. This partnership was the first in Orange County to utilize student response keypads to gauge student learning during the program. This innovation spread throughout Southern California and is now used in a variety of programs.

DCOC proposes to continue this partnership with the IRWD in an innovative effort to drive measurable action and awareness of the future of the region's water resources. DCOC has established itself as a regional leader in environmental education with water resource education as a particular strength. DCOC believes strongly that environmental education:

- Connects us to the world around us
- Teaches us about both natural and created environments
- Raises awareness of issues impacting the environment
- Encourages specific actions we can take to improve our environment

Overview

The newly designed IRWD program will consist of an integrated approach to water education for students in grades K-8. Each year of the program will strive to challenge students to explore how to use water efficiently and learn about sustainability to assure enough resources for both our current and future generations.

- Grades K-2: Program elements are created to engage the learner in foundational skills for language and literacy development as well as a basic understanding of water knowledge.
- Grades 3-4: With an emphasis on developing comprehension, students are exposed to a variety of activities focusing on their local environment and ecosystem and the limited water supply we have. Students will be challenged to critically analyze and reflect on solutions for our water supply problem.
- Grade 5: The goal of the fifth grade two-part program is to prepare students to be informed citizens and future scientists. Students build science mastery through repeated learning experiences centered on water quality. Students shift from learning facts about science to engaging in the practices of science.

- **Grades 6-8:** This two-part program centers around students engaging in projects in which they partner with scientists to answer real-world questions. It is designed to showcase the environment in which field studies are conducted while students are guided through data collections in support of various citizen science partners in Orange County, all while gaining a deep appreciation and understanding of the environment. Students will also be introduced to careers related to marine biology to help them form a pathway to a future career.

Kindergarten through 4th Grade – Assembly Programs

DCOC proposes to continue the assembly style programming at the kindergarten through fourth grade levels. Students will participate in grade specific, Next Generation Science Standard (NGSS) aligned assemblies that build upon each other year over year and instill a foundation of water-based knowledge. These assemblies will continue to feature student response keypads, which will allow DCOC instructors to ask interactive questions, track student progress, and provide results and feedback to IRWD. A brief description of each grade level is below:

- **Kindergarten:** Students learn about the importance of water to the survival of various life forms. Additional topic areas covered include the effect of sunlight on Earth's surface, the relationship between organisms' needs and the places they live, and ways to reduce human impacts on the environment and our natural resources.
- **1st Grade:** Students learn about the journey of a water molecule through the water cycle and the different forms in which it can be found, as well as how plants use their physical structure to use water, carbon dioxide and sunlight.
- **2nd Grade:** Students learn about water as an important resource and the ways in which nature cleans our limited water supply. The movement of water, where water (in its various states of matter) can be found in nature, and the need of plants for both sunlight and water is also looked at in more depth.
- **3rd Grade:** Students learn about our local climate, how the environment influences traits of the local flora and fauna, the ability of organisms to survive in a particular climate, and ways to adapt our local gardens to survive with much less water.
- **4th Grade:** Students understand their local ecosystem and it's limited water supply, how the geography of California affects our local water resources, how humankind has created solutions to assist in living in this coastal desert ecosystem by utilizing our water sources throughout the state, and the importance of water conservation.

Additionally, a take home booklet will accompany each grade level assembly. These booklets serve to reinforce key concepts taught in the assembly and include activities that encourage family learning.

5th Grade – Water Quality Lab

DCOC has been providing a two-part water quality lab featuring a field trip to the San Joaquin Marsh and take home water conservation kit to students in upper grades as a part of the previous incarnation of this program. Based on feedback that we have received from Irvine Unified School District (IUSD), DCOC proposes to continue this program, but to move the program to the 5th

grade level, where the District feels the program is best suited. In this two-part workshop, students learn about the importance of maintaining a healthy water supply for the residents of Irvine.

Day one of the program is conducted at the school and introduces the concept of water quality testing, specifically to monitor the levels of dissolved oxygen in our water supply. Chemically treated samples, as well as tap water, is tested to discover the acceptable levels of dissolved oxygen in our water supply.

The second day of the program takes the students on a field trip to the San Joaquin Marsh. During their visit, students tour the marsh ponds and learn about the Michelson Recycling Facility and its function in cleaning and recycling our household wastewater. Students also perform additional tests for dissolved oxygen with samples collected from the San Diego Creek.

Also included with this program is a water conservation kit that is focused on outdoor water use. The water conservation kit consists of a 1.5 gallon per minute (gpm) showerhead, 1.5 gpm swivel spray kitchen aerator, two 1.0 gpm bathroom aerators, toilet water saver fill cycle diverter, two toilet leak detection tablets, flow meter bag, water conservation wheel, directions for use and accompanying home survey. DCOC will order and distribute the kits as well as provide feedback based on the home survey results.

6th, 7th and 8th Grade – Citizen Science Program

In 2016, DCOC took over operations of what was formally known as Explore Ocean on the Balboa Peninsula. This space has been renamed Discovery Cube's Ocean Quest. Utilizing the facilities lab capabilities, as well as the research vessel, the Dylan Ayres, DCOC will complete the cycle of water education by turning students into Citizen Scientists. This unique program offers students a hands-on experience and an opportunity to conduct field studies and collect actual scientific data for area partners such as the Surfrider Foundation, Coast Keepers, and Algalita.

The Citizen Science Program consists of two parts:

- **In-Class Workshop (Pre-Field Trip):** The 50-minute workshop consists of lessons and activities that will help students understand the issues, studies, and protocols related to projects that they will encounter in Newport Harbor during their field trip. Each student will be provided with a personal Science Journal that includes data charts, career resources, and space for notetaking.
- **Field Trip Experience:** The one-day, 3 hour field trip to Ocean Quest is designed to showcase the environment in which field studies are conducted. Students will be guided through data collections in support of various citizen science partners in Orange County, all while gaining a deep appreciation and understanding of the environment. Students will spend 90 minutes on our boat, conducting a Marine Protected Area Watch, collecting water samples, and learning about Juvenile White Seabass Sustainability and Scientific

Meaningful Photos. They will also spend 90 minutes on land processing water samples in the lab, testing for bacteria, collecting marine debris at the beach, and recording the data.

Summer Camp at the San Joaquin Marsh

In previous years, DCOC has utilized classroom space at the San Joaquin Marsh to host a science focused summer camp program. While this program has not been included in past proposals or student reach figures, its inclusion in this one serves as a reaffirmation of DCOC's desire to host their summer camps at the Marsh in the future.

This updated and revised camp will focus on STEM-rich learning related to a marsh environment. Students will understand the wonderful world of water through an exploration of the San Joaquin Marsh and Newport Bay. They will be engaged in environmental science through the observation and tracking of various animals found throughout these settings, as well as identifying various plants found at the marsh and learning their potential uses. This camp will include a field trip to Discovery Cube's Ocean Quest to extend the understanding of one of our greatest renewable resources.

Student Targets and Pricing Summary

Component	Rate/Student	Student Target	Total
Grades K-4 Assembly Programs	\$ 5.04	7,000	\$ 35,280
Booklets	\$ 2.50	7,000	\$ 17,500
5 Grade Water Quality Classes	\$ 12.83	1,800	\$ 23,094
San Joaquin Marsh Field Trip	\$ 16.56	1,800	\$ 29,808
Water Conservation Kits	\$ 14.70	1,800	\$ 26,460
Citizen Science Workshop	\$ 10.00	1,800	\$ 18,000
Citizen Science Field Trip	\$ 23.00	1,800	\$ 41,400
TOTAL Per Year			\$ 191,542

March 18, 2019

Prepared and

submitted by: C. Compton

Approved by: Paul A. Cook



WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

2019 LEGISLATIVE AND REGULATORY UPDATE

SUMMARY:

This report provides an update on the 2019-2020 legislative session and IRWD priorities. As legislation and regulations develop, 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 510 (Cooley) — Local Government Records: Destruction of Records — “SUPPORT”;*
- *AB 1204 (Rubio) — Primary Drinking Water Standards: Implementation Date — “SUPPORT”;*
- *AB 1486 (Ting) — Local Agencies: Surplus Land — “OPPOSE UNLESS AMENDED”;*
- *SB 307 (Roth) — Water Conveyance: Use of Facility with Unused Capacity — “WATCH”;*
- *SB 332 (Hertzberg/Wiener) — Wastewater Treatment: Recycled Water — “OPPOSE/OPPOSE UNLESS AMENDED”; and*
- *SB 414 (Caballero) — Small System Water Authority Act of 2019 — “SUPPORT”.*

BACKGROUND:

The 2019 bill introduction deadline was February 22, 2019. Approximately 2,600 bills were introduced. On the Assembly side, 1,821 bills were introduced while the Senate introduced 784 bills. Many of the introduced bills contain spot or intent language; however, a number of bills include substantive proposals. With the introduction deadline having passed, the 2019 legislative year will come into full swing with policy committees ramping up and legislators working to amend their legislation so that it will be heard by the April 26 and May 3 policy committee deadlines.

A wide variety of bills have been introduced on issues of interest to IRWD including water conservation, groundwater, and recycled water. There are also a number of bills related to greenhouse gas emissions, energy, and public contracting. Many of these bills are expected to have significant amendments prior to their first policy committee hearings. As such, staff will monitor proposals and bring updates and recommendations to the Water Resources Policy and Communications Committee and the Board, as appropriate.

A copy of the 2019 Legislative Matrix is attached as Exhibit “A”. Exhibit “B” is the 2019 “Legislative Update Report Links to Bill Texts,” which contains links to the bills discussed below, unless a separate exhibit is noted.

State Budget Update:

January Revenue Numbers:

On February 11, 2019, State Controller Betty Yee released her monthly report on the State’s finances. She announced that the State took in \$18.79 billion during the month of January. This was \$1.81 billion, or 8.8 percent, less than estimates contained in the Governor’s Fiscal Year (FY) 2019-2020 budget proposal, but \$1.21 billion, or 6.9 percent, higher than estimates contained in FY 2018-2019 enacted budget. According to the State Controller, “[t]otal revenues of \$74.42 billion for the first seven months of FY 2018-19 were lower than expected in the proposed and enacted budgets by \$2.87 billion and \$1.32 billion, respectively. In the fiscal year to date, state revenues are just 0.2 percent lower than the same time last year.”

2019 State Legislative Update:

Water Tax and Other Safe Drinking Water Proposals:

Since the end of the 2017-2018 legislative session, work on a solution for safe drinking water in California has continued to be a topic of considerable conversation at the State level. Governor Newsom included support for a funding solution in his inaugural address and State of the State, and included a funding proposal in his proposed budget.

On February 1, 2019, his administration released budget trailer bill language detailing his funding proposal in the Safe and Affordable Drinking Water and Exide Cleanup Budget Trailer Bill. The Safe and Affordable Drinking Water and Exide Cleanup Budget Trailer Bill follows the provisions of SB 623 (Dodd, D-Napa) from 2017-2018 closely and includes a statewide water tax and a tax on fertilizer, confined animals facilities and dairy operations. The budget trailer bill also includes the liability relief previously included in SB 623 for agricultural operations.

With regard to the water tax, the budget trailer bill proposes a monthly water tax on the following:

- \$0.95 per month for meters less than or equal to 1-inch;
- \$4.00 per month for meters less than or equal to 2-inch;
- \$6.00 per month for meters less than or equal to 4-inch;
- \$10.00 per month for meters greater than 4-inch; and
- Customers without a meter would be taxed at a rate of \$0.95.

IRWD currently has an “oppose” position on the budget trailer bill.

In addition to the budget trailer bill, there are currently five bills this legislative session that relate to safe drinking water:

- *AB 134 (Bloom, D-Santa Monica) – Safe, Clean, Affordable, and Accessible Drinking Water:* As introduced, the bill includes findings and declarations related to the intent of the Legislature to address safe, clean, affordable, and accessible drinking water. As introduced, the bill includes no funding mechanism. IRWD currently has a “watch” position on AB 134;
- *AB 217 (Garcia, D-Coachella) – Safe and Affordable Drinking Water Fund:* The bill, as introduced, would establish the Safe and Affordable Drinking Water Fund in the State Treasury and would provide that moneys in the fund are available, upon appropriation by the Legislature, to the State Board to provide a stable source of funding to secure access to safe drinking water for all Californians, while also ensuring the long-term sustainability of drinking water service and infrastructure. As introduced, the bill includes no funding mechanism; however, it is expected that the bill will be amended shortly to include a hybrid approach to funding safe drinking water. The approach is outlined in a chart put together by the Chairman Eduardo Garcia’s office, which is attached as Exhibit “C”. IRWD currently has a “watch” position on AB 217;
- *SB 200 (Monning, D-Santa Cruz) – Safe and Affordable Drinking Water Fund:* The bill, as amended on March 11, 2019, would establish the Safe and Affordable Drinking Water Fund in the State Treasury and would provide that moneys in the fund are continuously appropriated to the State Board to provide a stable source of funding to secure access to safe drinking water for all Californians, while also ensuring the long-term sustainability of drinking water service and infrastructure. As amended, the bill does not include a funding mechanism. IRWD currently has a “watch” position on SB 200;
- *SB 669 (Caballero, D-Salinas) – Water Quality: Safe Drinking Water Fund:* SB 669 is the proposed sponsored by the Association of California Water Agencies (ACWA) and the California Municipal Utilities Association (CMUA). It proposed an alternative mechanism to fund safe drinking water. The proposal would create a Safe Drinking Water Trust to provide a perpetual funding source to address safe drinking water in disadvantaged communities. IRWD currently has a “support” position on SB 669; and
- *ACA 3 (Mathis (R-Visalia)/Garcia) – Water: Minimum Funding Guarantee:* ACA 3, while not directly related to safe and affordable drinking water, relates to providing a durable funding source for water in the state which could be used to address safe and affordable drinking water in California. The proposed constitutional amendment proposes that commencing with the 2021–2022 fiscal year, not less than two percent of State revenues are to be set apart for the payment of principal and interest on bonds authorized pursuant to the Water Quality, Supply, and Infrastructure Improvement Act of 2014; water supply, delivery, and quality projects administered by the department; and water quality projects administered by the State Board. IRWD currently has a “watch” position on ACA 3.

Additionally, CMUA, in coordination with the Eastern Municipal Water District (EMWD), is sponsoring SB 414 (Caballero). SB 414, which is similar to AB 2050 (2018), proposes to enact the Small System Water Authority Act of 2019. The proposal seeks to address the governance issues causing unsafe drinking water in a number of communities in California. IRWD currently has a “support in concept” position on the proposal because the bill language had yet to be released. Given that the bill is now in print, staff recommends that the Board adopt a “support” position on SB 414.

Staff would propose adjusting the District’s position on the other safe drinking water fundings bills should the bills be amended to propose a water tax is consistent with the Board-adopted position on a public good charge on water, or be amended in a way that presents other policy concerns for the District.

Staff continues to work with the water coalition on addressing safe drinking water in California without a water tax, and will provide an oral update on any new developments.

“Making Water a California Way of Life” Related Legislation:

Last year, Senator Bob Hertzberg (D, Van Nuys) and Assemblymember Laura Friedman (D, Glendale) authored SB 606 and AB 1668, the “Making Water Conservation a California Way of Life” legislation. The legislation, among other things, requires urban retail water suppliers to calculate and comply with an urban water use objective. The urban water use objective is comprised of adding efficient indoor residential water use, efficient outdoor water use, and water loss to create a retail-level water budget for each urban retail agency.

When SB 606 and AB 1668 were enacted last year, one of the outstanding issues was the fact that the urban water use objective language did not clearly state that the State Board could only enforce the water loss performance standard within the urban water use objective. In fact, the State Board has made statements indicating that enforcement of the water loss performance standard, which is currently being set by the State Board, may be enforced under both the urban water use objective and as a separate objective.

Hearing the concerns raised by the water community, Senator Hertzberg has introduced SB 134 this year to clarify that the performance standard being set by the State Board on water loss shall only be enforced via the urban water use objective. The District currently has a “support” position on SB 134, which is scheduled to be heard by the Senate Natural Resources and Water Committee on April 9.

In addition to SB 134, Assemblymember Friedman has introduced two bills related to the long-term conservation legislation while Assemblymember Brian Dahle (R-Redding) has introduced one. Those bills would:

- *AB 1414 (Friedman) – Urban Retail Water Suppliers: Reporting:* AB 1414 seeks to address issues raised by some urban retail water suppliers that the reporting deadlines contained in the “Making Water Conservation a California Way of Life” are challenging to meet given the large amount of data needed to complete the reports. As

a result, AB 1414 proposes changing the reporting date for submitting a validated water loss audit to the Department of Water Resources (DWR) from October 1 to January 1 of each year. Additionally, AB 1414 proposes changing the reporting date for calculating and complying with the urban water use objective from November 1 of 2023, and each November 1 thereafter, to January 1, 2024, and each January 1 thereafter. Finally, the bill adjusts the compliance deadlines and reporting deadlines for updating Urban Water Management Plans;

- AB 1415 (Friedman) – DWR: Reporting Requirements/Civil Penalties: AB 1415 would establish civil penalties that DWR would be required to impose of any person or entity failing to file certain statutorily required reports with the Department by the dates specified in the statute. Specially, the bill would authorize a \$1,000 civil penalty for failing to file a water loss audit report, urban water management plan, groundwater sustainability plan, and agricultural management plan, among others, by the deadlines prescribed in the statute. The civil penalty would increase to \$250 per day if the reports or plans are not submitted within 60 days of the statutory deadline; and
- AB 1432 (Dahle) – Urban Water Use Objective: Indoor Residential Water Use: AB 1432 is currently a spot bill that would modify Water Code Section 10609.4, which outlines the indoor residential water use standards to be used when calculating an urban water use objective.

AB 510 (Cooley, D-Rancho Cordova) – Local Records: Destruction of Records:

Since 1998, the Government Code has required that public agencies retain any routine video monitoring recordings for a period of one year, and keep radio and telephone recordings for 100 days. Over the past 20 years, video monitoring technology has changed drastically. When the original one year recording provision was enacted, the legislative history shows that the original intent was to store videotapes. However, since that time, technology has advanced while the law has remained unchanged. The vast majority of video monitoring today is now done using digital cameras that record onto DVRs, agency servers, and cloud-based servers.

With the ease of digital storage and decreased cost of digital cameras, public agencies are installing an ever-increasing number of cameras and the cameras are recording in significantly higher resolution. While this has made video monitoring records more useful and effective, the increased number of cameras and picture quality means that the amount of data that must be stored to comply with the current statutory retention requirements is exceptionally high. Additionally, public agencies are more frequently using more cameras for routine video monitoring that is of no value to the public because it is footage of no activity. For example, 24-hour footage from a camera facing the back entrance to an office building where zero incidents have occurred must still be maintained for one year.

In order to address the storage requirements of increased volumes of routine video recordings and in order to modernize the Government Code, Assemblymember Ken Cooley authored AB 510, which is sponsored by the California Special Districts Association (CSDA). The bill seeks to modernize the Government Code to allow local public agencies to adopt records retention

policies designed for modern digital recording technologies, while ensuring the proper retention of any records in which an incident may have occurred. Specifically, the bill allows public agencies to set their own records retention policies for routine digital (video, radio and telephone) recordings, provided they maintain routine monitoring records where incidents may have occurred until the incident is fully resolved. Additionally, the bill specifies that in the absence of agencies adopting their own records retention policy, the current one-year (video recordings) and 100-day (radio and telephone recordings) retention policies would remain in effect.

CSDA has requested that its members consider supporting AB 510. Given the benefit AB 510 would provide the District, staff recommends that the Board adopt a “support” position on AB 510.

AB 1204 (Rubio, D-West Covina) – Primary Drinking Water Standards: Implementation Date:

AB 1204 is a short, but important bill. The bill would provide that the adoption or amendment of a primary drinking water standard for a contaminant in drinking water that is more stringent than federal standards will take effect three years after the date on which the State Water Resources Controls Board adopts or amends the standard. Additionally, the bill would authorize the State Board to delay the effective date of the primary drinking water standard by up to two additional years when capital improvements are needed to comply with meeting the standard.

The bill is sponsored by ACWA and strives to provide water agencies the time needed to comply with new primary drinking water standards. Staff recommends that the Board adopt a “support” position on AB 1204.

AB 1486 (Ting, D-San Francisco) – Local Agencies: Surplus Land:

Assemblymember Phil Ting has introduced AB 1486. AB 1486 would revise the rules related to a local agency’s disposal of surplus land. Specifically, the bill would revise the definition of “surplus land” within the Government Code and would provide that land owned by a local agency is presumed to be surplus land when the local agency takes action to dispose of it regardless of whether the property is actually considered to be surplus property to the agency.

The bill would also define what actions are considered disposing of land. Of interest to IRWD, the bill would define the term “dispose of” to include the sale, lease, transfer, or other conveyance of any interest in real property owned by a local agency.

Under AB 1486, prior to a local agency entering into formal or informal negotiations to dispose of real property it owns, the local agency must issue a written notice of availability to low- and moderate-income housing providers, parks and recreations providers and to school districts. This means that prior to leasing any property owned by a local agency, a local agency would need to offer the property for housing, parks, and education uses.

AB 1486 is a reintroduction of a bill Assemblymember Ting ran last year. A broad coalition of local agencies opposed the bill. Given the bill's potential impact to IRWD's real estate investments, staff recommends that the Board adopt an "oppose unless amended" position on the bill and authorize staff to seek amendments, independently or through the coalition, that would protect IRWD's investments.

SB 307 (Roth, D- Riverside) – Water Conveyance: Use of Facility with Unused Capacity:

Senator Richard Roth (D-Riverside) has introduced SB 307, which is a reintroduction of AB 1000 (2018), authored by Assemblymember Laura Friedman, and SB 210 (2018), authored by Senator Roth. The bill seeks to prohibit water from the Cadiz Valley Water Conservation, Recovery & Storage Project from being placed into an existing water conveyance facility unless the State Lands Commission found that there would be no adverse effect on the natural or cultural resources. IRWD adopted a "watch" position on AB 1000 and SB 120. Staff recommends that the Board adopt a "watch" position on SB 307 this year.

SB 332 (Hertzberg/Wiener, D-San Francisco) – Wastewater Treatment: Recycled Water:

Senator Bob Hertzberg and Senator Scott Wiener (D, San Francisco) introduced SB 332. SB 332 would declare that the discharge of treated wastewater from ocean outfalls is a waste and unreasonable use of water, and would mandate that agencies reduce their ocean discharges by 50 percent by 2030 and by 95 percent by 2040, as compared to average annual wastewater discharges between 2010 and 2020. As currently written, the bill fails to recognize the water use efficiency and high levels of water reuse by agencies like IRWD. IRWD will be working with a coalition of industry associations and reuse agencies to oppose the bill, as currently drafted.

Staff recommends that the Board adopt an "oppose/oppose unless amended" position on SB 332.

2019 State Regulatory Update:

State Water Resources Control Board Proposed Recycled Water Policy Amendments:

In May, the State Board released proposed amendments to the "Policy for Water Quality Control for Recycled Water" (e.g. the Recycled Water Policy). The proposed amendments greatly change the policy from being focused on the use of recycled water for irrigation to a more overarching regulatory/policy document that will govern the terms of permits issued to recycled water producers and purveyors.

On June 19, 2018, the State Board held a public hearing to accept oral comments on the proposed amendments to the Recycled Water Policy. Staff participated in the hearing providing comments on the reporting, permitting and overarching policy goals of the proposed amendments. On June 26, 2018, IRWD submitted formal comments on the proposed amendments.

In late fall 2018, the State Board released a revised version of the proposed amendments. The State Board considered and adopted the final version on December 11, 2018. Many of the

changes made in the adopted version addressed the District's comments and concerns. One of the outstanding issues that was not fully addressed, however, is how environmentally beneficial uses of recycled water support in-stream flows or natural habitat are classified in the annual reporting recycled water purveyors are now required to make to the State Board. Staff has been working with WateReuse California, the California Association of Sanitation Agencies, and Coastkeeper to seek a solution on the classification. Staff will provide an update to the Committee.

Other Pending State Regulations:

In addition to the regulations discussed above, the following is a list of some of the other state regulations and agency reports staff is monitoring, tracking or planning to engage in over the next three to 12 months. As the next drafts of the regulations or report are released for public review and comment, staff will engage, as appropriate. Staff will also provide an oral update to the Committee on any new developments related to these regulations.

The pending regulations and reports actively being tracked include the:

- Building Standards Commission's "2019 California Plumbing Code;"
- DWR and the State Board's implementation of the "Making Water Conservation a California Way of Life" legislation;
- DWR's "The Open and Transparent Water Data Act (AB 1755, Dodd) Implementation Plan;"
- State Board Electronic Annual Report;
- State Board's AB 401 Implementation/Low Income Rate Assistance Report and the Office of Environmental Health Hazard Assessment's "A Framework and Tool for Evaluating California's Progress in Achieving the Human Right to Water;"
- State Board's development of a "Cross Connection Policy Handbook;"
- State Board's proposed "Environmental Laboratory Accreditation Program Regulations;"
- State Board's proposed "Mercury TMDL and Statewide Mercury Control Program for Reservoirs" regulations;
- State Board's proposed regulations on "Prohibiting Wasteful Water Use Practices;"
- State Board's "State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State" regulations;
- State Board's "Water Loss Performance Standards Regulations;" and
- State Board's Water Rights Enforcement Policy;
- State Board's "Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California" and draft "Toxicity Provisions."

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

That the Board adopt a “support” AB 510 (Cooley), AB 1204 (Rubio), and SB 414 (Caballero); a “watch” position on SB 307 (Roth); an “oppose unless amended” position on AB 1486 (Ting); and an “oppose/oppose unless amended” position on SB 332 (Hertzberg).

LIST OF EXHIBITS:

- Exhibit “A” – IRWD Legislative Matrix
- Exhibit “B” – 2019 Legislative Update Report Links to Bill Texts
- Exhibit “C” – Chairman Eduardo Garcia’s Proposal for AB 217

EXHIBIT “A”
IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 5</u> Gonzalez (D)	Independent Contractors		States the intent of the Legislature to codify the decision in the case of Dynamex Operations West, Inc. v. Superior Court of Los Angeles and clarify its application.	12/03/2018 - INTRODUCED.
<u>AB 11</u> Chiu (D)	Community Redevelopment Law		Authorizes a city or county or two or more cities acting jointly, to propose the formation of an affordable housing and infrastructure agency by adoption of a resolution of intention. Provides for a governing board of the agency. Requires the agency to submit an annual report, and final report of any audit undertaken to its governing body. Requires the governing board of an agency to designate an appropriate official to prepare a proposed redevelopment project plan.	01/17/2019 - To ASSEMBLY Committees on HOUSING AND COMMUNITY DEVELOPMENT and LOCAL GOVERNMENT.
<u>AB 38</u> Wood (D)	Fire Safety		Requires the State Fire Marshal to develop, and the California Building Standards Commission to review, building standards for buildings in very high fire hazard severity zones. Requires all newly constructed buildings and all transferred buildings in very high fire hazard severity zones to comply with the building standards.	01/24/2019 - To ASSEMBLY Committees on GOVERNMENTAL ORGANIZATION and NATURAL RESOURCES.
<u>AB 59</u> Kalra (D)	Elections: Voting Access		Expresses the intent of the Legislature to make a polling place or vote center available on every college and university campus in the state.	12/03/2018 - INTRODUCED.
<u>AB 60</u> Friedman (D)	Water Conservation: Water Meters: Accuracy Standards		Requires the State Energy Resources Conservation and Development Commission to adopt regulations setting standards for the accuracy of water meters. Prohibits any water meter manufactured on or after the effective date of those regulations from being sold or offered for sale in the state, or installed by a water purveyor, unless it is certified by the manufacturer to be in compliance with those standards.	02/25/2019 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS with author's amendments.;02/25/2019 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 64</u> Fong (R)	State Project Audits		Expresses the intent of the Legislature to require an independent audit of all state projects whose estimated cost exceeds a given threshold.	12/03/2018 - INTRODUCED.
<u>AB 65</u> Petrie-Norris (D)	Coastal Protection: Climate Adaption		Requires specified things of the State Coastal Conservancy when it allocates any funding appropriated pursuant to the Global Warming Solutions Act, including that it prioritize projects that use natural infrastructure to help adapt to climate change. Requires the conservancy to provide information to the Office of Planning and Research on any projects funded to be considered for inclusion into the clearinghouse for climate adaption information.	01/17/2019 - To ASSEMBLY Committee on NATURAL RESOURCES.
<u>AB 68</u> Ting (D)	Land Use: Accessory Dwelling Units	WATCH	Prohibits an ordinance from imposing requirements on minimum lot size, lot coverage, or floor area ratio. Prohibits an ordinance from establishing size requirements for accessory dwelling units that that do not permit at least an 800 square feet unit of at least 16 feet in height to be constructed. Provides that, if a local agency imposes an owner-occupancy restriction, the monitoring for compliance shall not be more frequent than annually and be based on specified published documents.	01/17/2019 - To ASSEMBLY Committees on HOUSING AND COMMUNITY DEVELOPMENT and LOCAL GOVERNMENT.
<u>AB 69</u> Ting (D)	Land Use: Accessory Dwelling Units	WATCH	Authorizes the Department of Housing and Community Development to submit written findings to a local agency as to whether the local ordinance complies with state law, and to notify the Attorney General if the ordinance violates state law. Requires a local agency to amend its ordinance to comply with state law. Requires the Department to propose small home building standards governing accessory dwelling units and homes smaller than 800 square feet.	01/17/2019 - To ASSEMBLY Committees on HOUSING AND COMMUNITY DEVELOPMENT and LOCAL GOVERNMENT.
<u>AB 71</u> Melendez (R)	Independent Contractors and Employees		Requires a determination of whether a person is an employee or an independent contractor to be based on a specific multifactor test, including whether the person to whom the service is	02/25/2019 - From ASSEMBLY Committee on LABOR AND EMPLOYMENT with author's

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			rendered has the right to control the manner and means of accomplishing the result desired.	amendments.;02/25/2019 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on LABOR AND EMPLOYMENT.
<u>AB 129</u> Bloom (D)	Waste Management: Plastic Microfiber		Declares the intent of the Legislature to, among other things, enact legislation to recognize the emerging threat that microfibers pose to the environment and water quality and makes related findings and declarations.	12/04/2018 - INTRODUCED.
<u>AB 134</u> Bloom (D)	Safe, Clean, Affordable, and Accessible Drinking Water	WATCH	States findings and declarations relating to the intent of the Legislature to adopt policies to insure that every Californian has the right to safe, clean, affordable, and accessible drinking water.	12/05/2018 - INTRODUCED.
<u>AB 170</u> Gonzalez (D)	Employment: Sexual Harassment: Liability		Requires a client employer to share with a labor contractor all civil legal responsibility and civil liability for harassment for all workers supplied by that labor contractor.	03/06/2019 - From ASSEMBLY Committee on LABOR AND EMPLOYMENT: Do pass to Committee on JUDICIARY.
<u>AB 196</u> Gonzalez (D)	Paid Family Leave		States the Legislature's intent to enact legislation that would expand the paid family leave program in order to provide a 100% wage replacement benefit for workers earning \$100,000 or less annually.	01/10/2019 - INTRODUCED.
<u>AB 202</u> Mathis (R)	Endangered Species: Conservation: Safe Harbor Program		Extends the operation of the California State Safe Harbor Agreement Program Act indefinitely, which encourages landowners to manage their lands voluntarily, by means of state safe harbor agreements approved by the Department of Fish and Wildlife, to benefit endangered, threatened, or candidate species.	02/26/2019 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;02/26/2019 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
<u>AB 217</u> E. Garcia (D)	Safe and Affordable Drinking Water Fund.	WATCH	Establishes the Safe and Affordable Drinking Water Fund in the State Treasury and provides that moneys in the fund are available, upon appropriation by the Legislature, to the State Water Resources Control Board to provide a stable source of	02/04/2019 - To ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.

IRWD 2019 LEGISLATIVE MATRIX

Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			funding to secure access to safe drinking water for all Californians, while also ensuring the long-term sustainability of drinking water service and infrastructure.	
<u>AB 223</u> Stone (D)	California Safe Drinking Water Act: Microplastics		Requires the State Water Resources Control Board, to the extent possible, and where feasible and cost effective, to work with the State Department of Public Health in complying with requirements to adopt a standard methodology to be used in the testing of drinking water for microplastics and requirements for 4 years of testing and reporting of microplastics in drinking water.	02/04/2019 - To ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>AB 231</u> Mathis (R)	Environmental Quality Act: Exemption: Recycled Water		Exempts from the California Environmental Quality Act a project to construct or expand a recycled water pipeline for the purpose of mitigating drought conditions for which a state of emergency was proclaimed by the Governor if the project meets specified criteria.	02/07/2019 - To ASSEMBLY Committee on NATURAL RESOURCES.
<u>AB 233</u> Cooley (D)	Insurance: Independent Contractors		Relates to existing case law that creates a presumption that a worker who performs services for a hirer is an employee, and requires a 3-part test to establish that a worker is an independent contractor. Clarifies the application of the case law to persons licensed by the Department of Insurance to transact insurance in specified capacities by providing that those persons are not employees when they have entered into a written agreement with an insurer or organizational licensee.	01/17/2019 - INTRODUCED.
<u>AB 292</u> Quirk (D)	Recycled Water: Raw Water and Groundwater Augmentation	SUPPORT	Eliminates the definition of direct potable reuse and instead substitutes the term groundwater augmentation for indirect potable reuse for groundwater recharge in definitions. Requires the State Water Resources Control Board to adopt uniform water recycling criteria for raw water augmentation.	03/06/2019 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS with author's amendments.;03/06/2019 - In ASSEMBLY. Read second time and amended. Re-referred to

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
				Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>AB 305</u> Nazarian (D)	Public Facilities: Water Quality: Rate Reduction Bonds		Extends indefinitely the authorization for a joint powers authority to issue rate reduction bonds to finance utility projects subject to certain requirements, and the requirement that the California Pollution Control Financing Authority submit an annual report to the Legislature.	02/11/2019 - To ASSEMBLY Committee on LOCAL GOVERNMENT.
<u>AB 314</u> Bonta (D)	Public Employment: Labor Relations: Release Time		Prescribes requirements relating to release time that would apply to all of the public employers and employees subject to specified labor relations laws. Repeals the provisions relating to release time in those acts. Requires these public employers to grant a reasonable number of employee representatives of the exclusive representative reasonable time off without loss of compensation or other benefits for specified activities.	02/11/2019 - To ASSEMBLY Committee on PUBLIC EMPLOYMENT AND RETIREMENT.
<u>AB 315</u> Garcia (D)	Stationary Sources: Emissions Reporting		Requires, instead of authorizes, the State Air Resources Board to require, as appropriate, a stationary source to verify or certify the accuracy of its annual emissions reports by a third party verifier or certifier that is accredited by the State Board.	02/11/2019 - To ASSEMBLY Committee on NATURAL RESOURCES.
<u>AB 322</u> Gallagher (R)	Political Reform Act: Online Filing System		Requires a local government agency to post on its internet website a copy of any specified statement, report, or other document filed with that agency in paper format. Requires that the statement, report, or other document be made available for four years from the date of the election associated with the filing.	02/11/2019 - To ASSEMBLY Committee on ELECTIONS AND REDISTRICTING.
<u>AB 333</u> Eggman (D)	Whistleblower Protection: Independent Contractors		Extends whistleblower protections afforded to employees to independent contractors and contracted entities working for state and local government who are tasked with receiving and investigating complaints from facilities, services, and programs operated by state and local government. Provides that	03/06/2019 - From ASSEMBLY Committee on LABOR AND EMPLOYMENT: Do pass to Committee on APPROPRIATIONS.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			prohibitions against retaliation by an employer apply to the state or local contracting agency under these provisions.	
<u>AB 400</u> Lackey (R)	State Mandates		Amends existing law which authorizes a local agency or school district, by February 15, to file an annual reimbursement claim detailing state-mandated costs. Extends that date to March 1.	02/28/2019 - To ASSEMBLY Committee on LOCAL GOVERNMENT.
<u>AB 402</u> Quirk (D)	Water Resources Control Board: Local Primacy Delegation		Includes enforcement costs as costs covered by the annual Drinking Water Surveillance Program grant. Authorizes any local primacy agency, with the approval of the State Water Resources Control Board, to elect to participate in a funding stabilization program. Requires the State Board, during any fiscal year for which a local primacy agency participates in the program, to establish and collect all fees payable by public water systems for the local primacy agency activities.	03/05/2019 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS with author's amendments.;03/05/2019 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>AB 405</u> Rubio (D)	Sales and Use Taxes: Exemption: Water Treatment		Exempts from the Sales and Use Tax Law the gross receipts from the sale in this state of, and the storage, use, or other consumption in this state of, chemicals used to treat water, recycled water, or wastewater regardless of whether those chemicals or other agents become a component part thereof and regardless of whether the treatment takes place before or after the delivery to consumers.	02/15/2019 - To ASSEMBLY Committee on REVENUE AND TAXATION.
<u>AB 418</u> Kalra (D)	Evidentiary Privileges: Union Agent-Worker Privilege		Establishes a privilege between a union agent and a represented employee or represented former employee to refuse to disclose any confidential communication between the employee or former employee and the union agent made while the union agent was acting in the union agent's representative capacity, except as specified.	02/15/2019 - To ASSEMBLY Committee on JUDICIARY.
<u>AB 441</u> Eggman (D)	Water: Underground Storage		Revises the declaration that the storing of water underground constitutes a beneficial use of water to additionally provide that certain uses of stored water while underground constitute	02/21/2019 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			beneficial use. Provides that the forfeiture periods of a water right do not apply to water being beneficially used, as provided, or being held in storage for later beneficial use.	
<u>AB 448</u> Garcia E (D)	Water Rights: Stockponds		Provides that the owner of a stockpond built prior to a specified date, that does not have a capacity greater than ten acre feet, has a valid water right for the principal purpose of watering livestock if that person files a claim for a water right with the State Water Resources Control Board accompanied by a fee not later than a certain date.	02/21/2019 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
<u>AB 454</u> Kalra (D)	Migratory Birds: Migratory Bird Treaty Act		Makes unlawful the taking or possession of any migratory nongame bird designated in the Migratory Bird Treaty Act as of January 1, 2017, any additional migratory nongame bird that may be designated in the federal act after that date, or any part of those migratory nongame birds, except as provided by any provision of the Fish and Game Code, or any rule, regulation, or order made or adopted pursuant to the code.	02/21/2019 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
<u>AB 456</u> Chiu (D)	Public Contracts: Claim Resolution		Removes the repeal date of a claim resolution process applicable to any claim by a contractor in connection with a public works project against a public entity, thereby making this claim resolution process operative indefinitely.	02/21/2019 - To ASSEMBLY Committee on ACCOUNTABILITY AND ADMINISTRATIVE REVIEW.
<u>AB 487</u> Gallagher (R)	Department of Water Resources: Dams and Reservoirs		Requires notice for the construction, enlargement, alteration, repair, maintenance, operation, and removal of dams and reservoirs be given to the Department of Water Resources at least one month before construction is to be commenced.	02/21/2019 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
<u>AB 508</u> Chu (D)	Drinking Water: Administrator: Services		Makes nonsubstantive changes in provisions of the California Safe Drinking Water Act for the operation of public water systems.	02/13/2019 - INTRODUCED.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 510</u> Cooley (D)	Local Government Records: Destruction of Records		Exempts the head of a department of a county or city, or the head of a special district from recording retention requirements if the county, city, or special district adopts a records retention policy governing recordings of routine video monitoring and recordings of telephone and radio communications.	02/21/2019 - To ASSEMBLY Committee on LOCAL GOVERNMENT.
<u>AB 520</u> Kalra (D)	Public Works: Public Subsidy		Amends existing law relating to prevailing wages for workers employed on public works. Provides that a public subsidy is de minimis if it is both less than a specified amount and less than certain percentage of the total project cost. Specifies that these provisions do not apply to a project that was advertised for bid, or a contract that was awarded before a specified date.	02/28/2019 - From ASSEMBLY Committee on LABOR AND EMPLOYMENT with author's amendments.;02/28/2019 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on LABOR AND EMPLOYMENT.
<u>AB 533</u> Holden (D)	Income Tax: Exclusion: Water Conservation: Runoff	SUPPORT	Provides an exclusion from gross income for any amount received as a rebate, voucher, or other financial incentive issued by a local water agency or supplier for any water conservation or efficiency program or water runoff management improvement program.	02/21/2019 - To ASSEMBLY Committee on REVENUE AND TAXATION.
<u>AB 557</u> Wood (D)	Atmospheric Rivers: Research and Forecasting Program		Appropriates \$9,250,000 from the General Fund to the Department of Water Resources in the 2019-20 fiscal year to operate the Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program.	02/25/2019 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
<u>AB 570</u> Aguiar-Curry (D)	Local Agencies: Bonds		Makes a nonsubstantive change to existing law requiring the treasurer to keep a register and to enter specified information on this register upon presentation of an interest coupon of a bond.	02/14/2019 - INTRODUCED.
<u>AB 587</u> Friedman (D)	Accessory Dwelling Units: Sale or Separate Conveyance		Authorizes an accessory dwelling unit that was ministerially approved to be sold or conveyed separately from the primary residence to a qualified buyer if certain conditions are met. Provides that those conditions include that the property was built or developed by a qualified nonprofit corporation that is receiving the welfare exemption, and a recorded contract exists	02/25/2019 - To ASSEMBLY Committees on HOUSING AND COMMUNITY DEVELOPMENT and LOCAL GOVERNMENT.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			between the qualified buyer and the qualified nonprofit corporation.	
<u>AB 616</u> Patterson (R)	California Forest Carbon Plan: Report		Requires the Department of Forestry and Fire Protection, in collaboration with the Natural Resources Agency and California Environmental Protection Agency, to prepare and submit to the Legislature and appropriate legislative policy and budget committees, on or before January 1, 2021, and by January 1 of each year thereafter, until January 1, 2025, a report on the progress made and policies and resources needed to achieve specified wildland fire prevention goals for fuel treatment and vegetation management.	02/25/2019 - To ASSEMBLY Committee on NATURAL RESOURCES.
<u>AB 626</u> Quirk-Silva (D)	Conflicts of Interest		Makes nonsubstantive changes to existing law that excepts certain remote interests of public officers or employees from the conflict of interest prohibition.	02/15/2019 - INTRODUCED.
<u>AB 636</u> Gray (D)	State Water Resources Control Board: Objectives		Prohibits the State Water Resources Control Board from implementing water quality objectives for which the state board makes a certain finding relating to environmental quality until it has submitted the water quality objectives and a statement of that finding to the appropriate policy committees of the Legislature and each committee has held a hearing on these matters.	02/15/2019 - INTRODUCED.
<u>AB 637</u> Gray (D)	State Water Resources Control Board: Drinking Water		Prohibits the State Water Resources Control Board or a regional board from adopting or implementing any policy or plan that results in a direct or indirect reduction to the drinking water supplies that serve a severely disadvantaged community.	02/25/2019 - To ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>AB 638</u> Gray (D)	Dept. of Water Resources: Water Storage Capacity		Requires the Department of water Resources, with updates every 2 years, to identify the statewide water storage capacity, the adverse impacts to the capacity from the effects of climate change, and the mitigation strategies for anticipated adverse	02/25/2019 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.

IRWD 2019 LEGISLATIVE MATRIX

Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			impacts. Requires the department to publish this information on the department's publicly available internet website.	
<u>AB 654</u> Rubio (D)	Public Records: Utility Customers: Personal Information		Authorizes a local agency to disclose the name, utility usage data, and home address of utility customers to an officer or employee of another governmental agency when the disclosure is not necessary for the performance of the other governmental agency's official duties but is to be used for scientific, educational, or research purposes, and the requesting agency receiving the disclosed material agrees to maintain it as confidential in accordance with specified criteria.	02/28/2019 - To ASSEMBLY Committee on JUDICIARY.
<u>AB 658</u> Arambula (D)	Water Rights: Water Management		Authorizes a groundwater sustainability agency or local agency to apply for, and the State water Resources Control Board to issue, a conditional temporary permit for diversion of surface water to underground storage for beneficial use that advances the sustainability goal of a groundwater basin.	02/25/2019 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
<u>AB 661</u> McCarty (D)	Best Available Control Technology		Makes technical, nonsubstantive changes to existing law that requires an air district to review whether the best available control technology or lowest achievable emission rate requirements have been achieved.	02/15/2019 - INTRODUCED.
<u>AB 722</u> Bigelow (R)	Integrated Regional Water Management Plans		Makes a nonsubstantive change to findings and declarations regarding the Integrated Regional Water Management Planning Act.	02/19/2019 - INTRODUCED.
<u>AB 727</u> Flora (R)	Dams and Reservoirs: Inspections and Reporting		Makes nonsubstantive changes to existing law requiring the Division of Safety of Dams to propose amendments to its dam safety inspection and reevaluation protocols to incorporate updated best practices.	02/19/2019 - INTRODUCED.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 756</u> Garcia (D)	Public Water Systems: Perfluorooctanoic Acid Sulfate		Requires a public water system to monitor for perfluorooctanoic acid and perfluorooctane sulfonate.	02/28/2019 - To ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>AB 782</u> Berman (D)	Environmental Quality Act: Exemption: Agencies		Exempts from California Environmental Quality Act (CEQA) the acquisition, sale, or other transfer of property by a public agency for certain purposes, or the funding of that acquisition, sale, or other transfer by a public agency conditions those transactions on compliance with CEQA before making physical changes to the transferred property.	02/28/2019 - To ASSEMBLY Committee on NATURAL RESOURCES.
<u>AB 801</u> Levine (D)	Solar Energy Systems		States the intent of the Legislature to enact legislation to remove obstacles to the expansion of community-shared solar electric generation systems as an option for onsite solar electric generation requirements in the State.	02/20/2019 - INTRODUCED.
<u>AB 834</u> Quirk (D)	Freshwater and Estuarine Harmful Algal Bloom Program		Requires the state Water Resources Control Board to establish a Freshwater and Estuarine Harmful Algal Bloom Program to protect water quality and public health from algal blooms. Requires the board in consultation with specified entities to coordinate immediate and long-term algal bloom even incident response and conduct and support algal bloom field assessment and ambient monitoring at the state, regional, watershed, and site-specific waterbody scales.	03/04/2019 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
<u>AB 835</u> Quirk (D)	Safe Recreational Water Use: Harmful Algal Blooms		Requires the Department of Public Health by regulation and in consultation with the Water Resources Control Board, local health officers, and the public, to establish, maintain, and amend as necessary, minimum standards for the safety of freshwater recreational bodies as related to harmful algal blooms, as it determines are reasonably necessary for the protection of the public health and safety.	03/04/2019 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 841</u> Ting (D)	Drinking Water: contaminants		Requires the Office of Environmental Health Hazard Assessment to adopt and complete a work plan within prescribed timeframes to assess which substances in the class of perfluoroalkyl and polyfluoroalkyl substances should be tested as a risk to human health.	03/04/2019 - To ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>AB 849</u> Bonta (D)	Elections: District Boundaries		Permits the city council to consider existing neighborhoods in establishing the boundaries of council districts.	03/04/2019 - To ASSEMBLY Committee on ELECTIONS AND REDISTRICTING.
<u>AB 868</u> Bigelow (R)	Electric Utilities: Wildfire Mitigation Plans		Provides that the consideration of public safety impacts of the protocols for disabling reclosers and deenergizing portions of the electrical distribution system also include impacts on water and waste water.	03/04/2019 - To ASSEMBLY Committee on UTILITIES AND ENERGY.
<u>AB 877</u> Gabriel (D)	Energy: Solar Energy and Energy Storage Systems		States the intent of the Legislature to authorize the Energy Commission to develop criteria for solar energy systems and energy storage systems.	02/20/2019 - INTRODUCED.
<u>AB 881</u> Bloom (D)	Accessory Dwelling Units		Requires a local agency to designate areas where accessory dwelling units may be permitted based on the adequacy of water and sewer services and the impact of accessory dwelling units on traffic flow and public safety. Deletes the provision authorizing a local agency to require owner-occupancy as a condition of issuing a permit.	03/04/2019 - To ASSEMBLY Committees on HOUSING AND COMMUNITY DEVELOPMENT and LOCAL GOVERNMENT.
<u>AB 883</u> Dahle (R)	Fish and Wildlife: Catastrophic Wildfires: Report		Requires the Department of Fish and Wildlife, in consultation with Department of Forestry and Fire Protection, on or before a certain date, and by certain day of each year and thereafter, to study, investigate, and report to the Legislature on the impacts on wildlife and wildlife habitat resulting from any catastrophic wildfire that occurred during that calendar year.	03/04/2019 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 903</u> Levine (D)	Political Reform Act of 1974		Provides that an exclusion from the definition of expenditure under the Political Reform Act does not apply to communications paid for with public moneys by a state or local government. Requires preelection statements to disclose contributions and independent expenditures made to a state, county, or city general purpose committee or made to support or oppose a candidate measure appearing on the ballot as a specified election.	03/04/2019 - To ASSEMBLY Committee on ELECTIONS AND REDISTRICTING.
<u>AB 933</u> Petrie-Norris (D)	Ecosystem Resilience: Watershed Protection		Authorizes the Department of Conservation to the extent funds are available, to establish and administer the Ecosystem Resilience Program to fund watershed coordinator positions, and other necessary costs, throughout the state for the purpose of achieving specified goals, including the goal of developing and implementing watershed improvement plans aligned with multiple statewide and regional objectives across distinct bioregions.	03/07/2019 - To ASSEMBLY Committee on NATURAL RESOURCES.
<u>AB 937</u> Rivas R (D)	Waste Discharge Requirements: Produced Water		Authorizes a regional board to approve a waste discharge requirement for the use or reuse of produced water from an oil and gas operation for agricultural purpose or for groundwater recharge, only if, after a public hearing, it finds that the California Council on Science and Technology has reviewed the best available independent scientific evidence and has found the use will not pose a significant risk to the public from contaminants in the produced water.	03/04/2019 - To ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>AB 945</u> McCarty (D)	Local Government: Financial Affairs: Surplus Funds		Authorizes a local agency to invest and deposit the agency's surplus funds in deposits at specified types of financial institutions whether those investments are certificates of deposit or another form, and increases the percentage of the local agency's funds that can be invested to a certain percentage.	03/04/2019 - To ASSEMBLY Committees on LOCAL GOVERNMENT and BANKING AND FINANCE.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 948</u> Kalra (D)	Flood Control or Watershed Protection Projects		Makes nonsubstantive changes to legislative findings and declarations relating to providing for the preservation and enhancement of the state's fish and wildlife resources and recreational opportunities in connection with flood control and watershed protection projects.	02/20/2019 - INTRODUCED.
<u>AB 955</u> Gipson (D)	Water Quality		Makes Nonsubstantive changes to the legislative findings and declarations under The Porter-Cologne Water Quality Control Act.	02/21/2019 - INTRODUCED.
<u>AB 961</u> Reyes (D)	Energy Programs and Projects: Nonenergy Benefits		Requires the Public Utilities Commission to establish common definitions of nonenergy benefits and attempt to determine consistent values for use in all energy programs, meaningfully consider and prioritize producing nonenergy benefits in clean energy programs and projects, give preference to producing nonenergy benefits in clean energy programs and projects in low-income and disadvantaged communities.	03/04/2019 - To ASSEMBLY Committee on UTILITIES AND ENERGY.
<u>AB 966</u> Bonta (D)	Greenhouse Gases: Cement Production		States the intent of the Legislature to enact legislation to reduce the carbon impact of cement production in the State.	02/21/2019 - INTRODUCED.
<u>AB 992</u> Mullin (D)	Open Meetings: Local Agencies: Social Media		Provides that the Ralph M. Brown Act does not apply to the posting, commenting, liking, interaction with, or participation in, internet-based social media platforms that are ephemeral, live, or static, by a majority of the members of a legislative body, provides that a majority of the members do not discuss among themselves the business of a specific nature that is within subject matter jurisdiction of the legislative body.	03/07/2019 - To ASSEMBLY Committee on LOCAL GOVERNMENT.
<u>AB 1013</u> Oberholte (R)	State Agencies: Grant Applications		Prohibits any state agency from selecting as an evaluator of a grant application a representative, former member, or former staff member of an organization or person that is applying to receive grant funding from that state agency.	03/07/2019 - To ASSEMBLY Committee on ACCOUNTABILITY AND ADMINISTRATIVE REVIEW.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 1021</u> Frazier (D)	Groundwater Recharge Facilities Financing		Makes a nonsubstantive change in the legislative findings and declarations of Groundwater Recharge Facilities Act.	02/21/2019 - INTRODUCED.
<u>AB 1026</u> Wood (D)	Electricity: Interconnection Rules		States the intent of the Legislature to enact legislation to ensure that compliance with the codes and construction specifications for the extension of service required by an electrical or gas corporation at the time of the start of construction of a home shall suffice for the extension of service to the home upon the completion of construction.	02/21/2019 - INTRODUCED.
<u>AB 1035</u> Mayes (R)	Personal Information: Data Breaches		Requires a person or business, as defined, that owns or licenses computerized data that includes personal information to disclose any breach of the security of the system within 72 hours following discovery or notification of the breach, subject to legitimate needs of law enforcement.	03/07/2019 - To ASSEMBLY Committee on PRIVACY AND CONSUMER PROTECTION.
<u>AB 1038</u> Muratsuchi (D)	Air Quality Management Districts Review		Authorizes an air district to impose a charge equal to the costs the air district expends in contracting with a third party to review the scientific or engineering information provided to the air district at the air district's request by a facility regulated pursuant to specified provisions in order to verify the information provided is accurate.	03/07/2019 - To ASSEMBLY Committee on NATURAL RESOURCES.
<u>AB 1086</u> Bauer-Kahan (D)	Agriculture: Microirrigation Methods		States the intent of the Legislature to reduce the prevalence of eutrophication through agricultural water use by expanding and incentivizing the use of microirrigation methods.	02/21/2019 - INTRODUCED.
<u>AB 1093</u> Rubio (D)	Municipal Separate Storm Sewer Systems		Requires the State Water Resources Control Board by July 1, 2020, to establish financial capability assessment guidelines for municipal separate storm sewer system permittees that are adequate and consistent when considering the costs to local jurisdictions.	03/07/2019 - To ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 1130</u> Levine (D)	Personal Information: Data Breaches		Revises the definition of personal information to add specified unique biometric data and government issued identification numbers in addition to those for driver's licenses and California identification.	03/07/2019 - To ASSEMBLY Committee on PRIVACY AND CONSUMER PROTECTION.
<u>AB 1144</u> Friedman (D)	Energy Storage Resources: Report		Requires the Public Utility Commission to prepare and submit to the Legislature and to post on its internet website a report that provides guidance to local publicly owned electric utilities and the Independent System Operator on measures that remove barriers to the participation of energy storage resources in the capacity, energy, and ancillary services markets to assist those utilities and Independent System Operator to comply with the federal order.	03/07/2019 - To ASSEMBLY Committees on UTILITIES AND ENERGY and NATURAL RESOURCES.
<u>AB 1151</u> Daly (D)	Fire Damages: Civil Actions: Public Agencies		Makes nonsubstantive changes to provisions for public agency civil actions to recover damages caused by a fire, pecuniary damages.	02/21/2019 - INTRODUCED.
<u>AB 1157</u> Burke (D)	Public Contracts		Makes nonsubstantive changes to California's Public Contract Law.	02/21/2019 - INTRODUCED.
<u>AB 1180</u> Friedman (D)	Water: Recycled Water	SUPPORT	Requires the State Water Resources Control Board to administer provisions under the California Safe Drinking Water Act relating to the regulation of drinking water to protect the public health. Requires the state board to adopt standards for the backflow protection and cross-connection control through the adoption of a policy handbook.	02/21/2019 - INTRODUCED.
<u>AB 1194</u> Frazier (D)	Sacramento-San Joaquin Delta		Increases the membership of the Delta Stewardship Council to 13 members, including 11 voting members and 2 nonvoting members.	02/21/2019 - INTRODUCED.
<u>AB 1204</u> Rubio (D)	Public Water Systems: Primary Water Standards		Relates to the California Safe Drinking Water Act. Requires the adoption or amendment of a primary drinking water standard	02/21/2019 - INTRODUCED.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			for a contaminant in drinking water not regulated by a federal primary drinking water standard or that is more stringent than a federal primary drinking water standard to take effect 3 years after the date on which the state board adopts or amends the primary drinking water standard.	
<u>AB 1212</u> Levine (D)	Public Employees' Retirement: Pension Fund		Requires a state agency that is responsible for infrastructure projects to produce a list of priority infrastructure projects for funding consideration by the retirement boards, as described, and to provide it to them. Requires a state agency also to provide further project information to a board upon request.	02/21/2019 - INTRODUCED.
<u>AB 1220</u> Garcia (D)	Metropolitan Water Districts		Relates to the Metropolitan Water Districts Act. Authorizes each member public agency to designate and appoint additional representatives pursuant to the greater of that allowed under either the assessed valuation calculation or, on and after January 1, 2021, for each full 5% of the population within the entire district that is within the member public agency.	02/21/2019 - INTRODUCED.
<u>AB 1224</u> Gray (D)	Employee Leave: Limitations		Relates to the Moore Brown Roberti Family Rights Act, or California Family Rights Act (CFRA). Eliminates the requirement for the employee to have at least 1,250 hours of service with the employer within the last 12 months, in order to be eligible for leave under these provisions.	02/21/2019 - INTRODUCED.
<u>AB 1241</u> Quirk-Silva (D)	Contracts Between Public and Private Entities		Requires an agency that contracts with a person or private entity that owns or licenses an electronic database that contains the personal information of individuals for the purpose of hiring and training specified individuals, to do so only if the contract requires the person or private entity to comply with the requirements for disclosure and maintenance of personal information that are applicable to an agency pursuant to the Information Practices Act.	02/21/2019 - INTRODUCED.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 1253</u> Rivas R (D)	Local Agency Formation Commissions: Grant Program		Requires the Strategic Growth Council, until July 31 of 2025, to establish and administer a local agency formation commissions grant program for the payment of costs associated with initiating and completing the dissolution of districts listed as inactive, the payment of costs associated with a study of the services provided within a county by a public agency to a disadvantaged community, as defined, and for other specified purposes, including the initiation of an action, as defined.	02/21/2019 - INTRODUCED.
<u>AB 1276</u> Bonta (D)	Green New Deal		States intent of Legislature to enact legislation to develop and implement a Green New Deal with the objective of reaching specified environmental outcomes within the target window of 10 years from the start of execution of the plan and accomplishing certain social goals.	02/21/2019 - INTRODUCED.
<u>AB 1330</u> Kiley (R)	Personal Information: Privacy: Breach		Makes nonsubstantive changes to existing law that requires any agency that owns or licenses computerized data that includes personal information, as defined, to disclose expeditiously and without unreasonable delay a breach in the security of the data.	02/22/2019 - INTRODUCED.
<u>AB 1347</u> Boerner Horvath (D)	Electricity: Renewable Energy		Establishes the policy of the state that eligible renewable energy resources and zero carbon resources supply a percentage of all retail sales of electricity to state and local government buildings by a certain date, and to all the State end use customers by a certain date.	02/22/2019 - INTRODUCED.
<u>AB 1375</u> Bigelow (R)	Disaster Relief: Dead and Dying Tree Removal		Provides that the state share for removal of dead and dying trees in connection with the Governor's Proclamation of a State of Emergency issued on October 30, 2015, is not more than a certain percentage of total eligible costs.	02/22/2019 - INTRODUCED.
<u>AB 1381</u> Salas (D)	Safe Drinking Water Plan		Makes nonsubstantive changes to the provision requiring submission of a Safe Drinking Water Plan.	02/22/2019 - INTRODUCED.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>AB 1389</u> Eggman (D)	Special Districts: Organization: Revenue Loss		Authorizes the local agency formation commission to propose, as part of the review and approval of a proposal for the establishment of new or different functions or class of services, or the divestiture of the power to provide particular functions or class of services, that the special district, to mitigate any loss of property taxes, franchise fees, and other revenues to any other affected local agency, provide payments to the affected local agency.	02/22/2019 - INTRODUCED.
<u>AB 1414</u> Friedman (D)	Urban Retail Water Suppliers: Reporting		Requires each urban retail water supplier on or before a certain day of each year until a certain date, to submit a completed and validated water loss audit report as prescribed by the Department of Water Resources. Requires on or before a certain date, and on or before a certain day of each year thereafter, each urban retail water supplier to submit a completed and validated water loss audit report for the previous calendar year or previous fiscal year.	02/22/2019 - INTRODUCED.
<u>AB 1415</u> Friedman (D)	Department of Water Resources: Reporting		Requires the Department of Water Resources to impose a civil penalty on any person or entity who fails to file with the Department a specified report or plan by the deadline required for that particular report or plan, as provided. Authorizes the department to reduce or waive the civil penalty under certain circumstances.	02/22/2019 - INTRODUCED.
<u>AB 1432</u> Dahle (R)	Urban Water Use Objectives: Indoor Residential		Makes a nonsubstantive change to provisions to the Department of Water Resources.	02/22/2019 - INTRODUCED.
<u>AB 1439</u> Melendez (R)	Policy for Water Quality Control		Makes nonsubstantive changes to the Porter-Cologne Water Quality Control Act.	02/22/2019 - INTRODUCED.
<u>AB 1445</u> Gloria (D)	Climate Change: Emergency Declaration and Policy		Declares that it is the policy of the State of California to restore an optimal safe climate and to provide maximum protection	02/22/2019 - INTRODUCED.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			from climate change to all people and species, globally, including the most vulnerable.	
<u>AB 1484</u> Grayson (D)	Mitigation Fee Act: Housing Developments		Prohibits a local agency from imposing a fee on a housing development project unless the type and amount of the exaction is specifically identified on the local agency's website at time of the application for the development project is submitted to the local agency. Requires a local agency to include the location on its website of all the fees imposed upon a housing development project in the list of information provided to a development project.	02/22/2019 - INTRODUCED.
<u>AB 1486</u> Ting (D)	Local Agencies: Surplus Land		Expands the definition of local agency to include sewer, water, utility, and local and regional park districts, joint powers authorities, successor agencies to former redevelopment agencies, housing authorities, and other political subdivisions of this state, and any instrumentality thereof, that is empowered to acquire and hold real property, thereby requiring these entities to comply with requirements for the disposal of surplus land.	02/22/2019 - INTRODUCED.
<u>AB 1574</u> Mullin (D)	Lobbying Expenditures		Requires reports regarding lobbying expenditures to be filed on a monthly basis.	02/22/2019 - INTRODUCED.
<u>AB 1588</u> Gloria (D)	Drinking Water and Wastewater Operator Certification	SUPPORT	Requires operators of complex industrial facilities, including members of the military and military service veterans, to receive full equivalent experience credit and education credit for work and tasks performed that are directly related to the operation of water or wastewater facilities. Relates to water treatment operator certification.	02/22/2019 - INTRODUCED.
<u>AB 1640</u> Boerner Horvath (D)	Local Government Finance: Budget Reserves.		Requires a local government by September 1, 2020, and annually thereafter, to submit a written report to the State Controller's office on how it plans to spend any of its budget reserves, as defined, on specified priorities over a 5-year fiscal	02/22/2019 - INTRODUCED.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			period, including, among others, mental and behavioral health services and affordable housing.	
<u>AB 1653</u> Frazier (D)	Sacramento San Joaquin Delta		Makes nonsubstantive changes to legislative findings and declarations relating to the Sacramento-San Joaquin Delta and its invaluable and unique resources of major statewide significance.	02/22/2019 - INTRODUCED.
<u>AB 1672</u> Bloom (D)	Product Labeling: Flushable Products		Expresses the intent of the Legislature to enact legislation to prohibit the sale or advertisement of any nonwoven disposable product labeled as flushable or sewer and septic safe if that product fails to meet specified performance standards.	02/22/2019 - INTRODUCED.
<u>AB 1694</u> O'Donnell (D)	Water Supply Improvements		States the intent of the legislature to enact legislation. Relates to water supply improvements.	02/22/2019 - INTRODUCED.
<u>AB 1768</u> Carrillo (D)	Contractors: Subcontractor Withholding		Makes technical, nonsubstantive changes to existing law regulating public works contracts.	02/22/2019 - INTRODUCED.
<u>AB 1819</u> Judiciary Cmt	Public Records Inspection: Use of Requester's Equipment		Grants the requester of a public record the right to use the requester's equipment, without being charged any fees or costs, to photograph or otherwise copy or reproduce any record upon inspection, unless the means of copy or reproduction would damage the record.	03/06/2019 - INTRODUCED.
<u>ACA 3</u> Mathis (R)	Water: Minimum Funding Guarantee	WATCH	Requires not less than a certain percent of specified state revenues to be set apart for the payment of principal and interest on bonds authorized pursuant to the Water Quality, Supply, and Infrastructure Improvement Act. Relates to water supply, delivery, and quality projects administered by the Department of Water Resources and water quality projects administered by the State Water Resources Control Board.	01/16/2019 - INTRODUCED.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 1</u> Atkins (D)	Environmental, Public Health, and Workers Defense Act		Enacts the California Environmental, Public Health, and Workers Defense Act, which prohibits a state or local agency from amending or revising its rules to be less stringent than the federal baseline standards pertaining to environmental protection.	01/16/2019 - To SENATE Committees on ENVIRONMENTAL QUALITY, NATURAL RESOURCES AND WATER, and JUDICIARY.
<u>SB 13</u> Wieckowski (D)	Accessory Dwelling Units	WATCH	Expresses the intent of the Legislature to enact legislation that would reduce impact fees and other existing barriers for homeowners seeking to create accessory dwelling units for the purpose of creating additional residential housing within their neighborhoods.	01/16/2019 - To SENATE Committee on RULES.
<u>SB 15</u> Portantino (D)	Redevelopment		States the intent of the Legislature to enact legislation relating to redevelopment.	01/16/2019 - To SENATE Committee on RULES.
<u>SB 19</u> Dodd (D)	Water Resources: Stream Gages		Requires the Department of Water Resources and the State Water Resources Control Board, upon an appropriation of funds by the Legislature, to develop a plan to deploy a network of stream gages that includes a determination of funding needs and opportunities for modernizing and reactivating existing gages and deploying new gages.	02/28/2019 - From SENATE Committee on NATURAL RESOURCES AND WATER with author's amendments.;02/28/2019 - In SENATE. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES AND WATER.
<u>SB 43</u> Allen (D)	Carbon Taxes		Requires the State Air Resources Board in consultation with the Department of Tax and Fee Administration, to submit a report to the Legislature on the results of a study to propose and determine the feasibility and practicality of a system to replace the tax imposed pursuant to the Sales and Use Tax Law with an assessment on retail products sold or used in the state based on the carbon intensity of the product to encourage the use of less carbon-intensive products.	01/16/2019 - To SENATE Committees on ENVIRONMENTAL QUALITY and GOVERNANCE AND FINANCE.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 44</u> Skinner (D)	Medium and Heavy Duty Vehicles: Comprehensive Strategy		Requires the State Air Resources Board to develop a comprehensive strategy for the deployment of medium and heavy duty vehicles in the state that results in bringing the state into compliance with federal ambient air quality standards and a reduction of motor vehicle greenhouse gas emissions. States that an unspecified amount of the annual proceeds of the Greenhouse Gas Reduction Fund will be appropriated to support the California Clean Truck, Bus, and Off Road Vehicle and Equipment Technology Program.	03/07/2019 - From SENATE Committee on RULES with author's amendments.;03/07/2019 - In SENATE. Read second time and amended. Re-referred to Committee on RULES.
<u>SB 45</u> Allen (D)	Wildfire, Drought, and Flood Protection Bond Act 2020		Enacts the Wildfire, Drought, and Flood Protection Bond Act of 2020, which, if approved by voters, authorizes the issuance of bonds to finance projects to restore fire damaged areas, reduce wildfire risk, create healthy forests and watersheds, reduce climate impacts on urban areas and vulnerable populations, protect water supply and water quality, protect rivers, lakes, and streams, reduce flood risk, protect fish and wildlife from climate impacts, and protect coastal lands and resources.	03/05/2019 - From SENATE Committee on NATURAL RESOURCES AND WATER with author's amendments.;03/05/2019 - In SENATE. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES AND WATER.
<u>SB 46</u> Jackson (D)	Emergency Services: Telecommunications		Expands the types of public utilities that can enter into agreements to access accountholder information by defining public utility to include, a local publicly owned electric utility, wireless telephony services, a public water agency, and an agency responsible for solid waste or recycling services. Authorizes a local government to establish a public warning system. Requires the Public Utilities Commission to collect specified information from telecommunications service providers	03/05/2019 - In SENATE. Read second time and amended. Re-referred to Committee on GOVERNMENTAL ORGANIZATION.
<u>SB 69</u> Wiener (D)	Ocean Resiliency Act		Requires the Department of Fish and Wildlife to undertake projects to improve hatchery management. Names certain streams and watercourses as the state Endangered Rivers List. Requires reporting on coastal and harbor management programs to address the effects of climate change. Imposes certain	03/06/2019 - From SENATE Committee on RULES with author's amendments.;03/06/2019 - In SENATE. Read second time and

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			requirements for timber harvesting plans relating to discharge of waste into water.	amended. Re-referred to Committee on RULES.
<u>SB 70</u> Nielsen (R)	Central Valley Project: State Agency		Makes nonsubstantive changes to the definition of state agency for purposes of the Central Valley Project.	01/16/2019 - To SENATE Committee on RULES.
<u>SB 128</u> Beall (D)	Enhanced Infrastructure Financing Districts: Bonds		Authorizes the public financing authority to issue bonds for purposes of enhanced infrastructure financing districts without submitting a proposal to the voters. Requires specified information related to the issuance of the bonds to be contained in the resolution.	01/24/2019 - To SENATE Committee on GOVERNANCE AND FINANCE.
<u>SB 130</u> Galgiani (D)	Wildfires: Siren Warning System		Provides that it is the intent of the Legislature to enact legislation that would authorize the installation of a siren warning system for wildfires in populated areas and communities in state responsibility areas.	01/24/2019 - To SENATE Committee on RULES.
<u>SB 133</u> Galgiani (D)	Wildfires: Detection		States the intent of the Legislature to enact legislation to create and fund a program for installing remote infrared cameras that can help in detecting wildfires.	01/24/2019 - To SENATE Committee on RULES.
<u>SB 134</u> Hertzberg (D)	Water Conservation: Water Loss Performance Standards	SUPPORT	Prohibits the State water Resources Control Board from imposing liability for a violation of the performance standards for the volume of water losses except as part of the enforcement of an urban water use objective.	01/24/2019 - To SENATE Committee on NATURAL RESOURCES AND WATER.
<u>SB 139</u> Allen (D)	Independent Redistricting Commissions		Requires certain counties to establish an independent redistricting commission to adopt the county's supervisorial districts after each federal decennial census. If a county subject to this requirement does not establish an independent redistricting commission, that county is required to establish a nine member independent redistricting commission pursuant to a specified procedure. Requires such counties to provide for reasonable funding and staffing of the commission.	03/07/2019 - From SENATE Committee on ELECTIONS AND CONSTITUTIONAL AMENDMENTS with author's amendments.;03/07/2019 - In SENATE. Read second time and amended. Re-referred to Committee on ELECTIONS AND

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
				CONSTITUTIONAL AMENDMENTS.
<u>SB 143</u> Skinner (D)	Junk Dealers/Recyclers: Nonferrous Material: Payment		Authorizes a junk dealer or recycler to pay for nonferrous material by general use prepaid card in accordance with specified requirements.	01/31/2019 - To SENATE Committee on BUSINESS, PROFESSIONS AND ECONOMIC DEVELOPMENT.
<u>SB 166</u> Wiener (D)	Process Water Treatment Systems: Breweries and Wineries		Requires the State Water Resources Control Board, in consultation with the State Department of Public Health - Food and Drug Branch, to adopt regulations for microbiological, chemical, and physical water quality and treatment requirements for the onsite treatment and reuse of process water in breweries and wineries. Requires breweries and wineries to submit a report containing specified information and to terminate any process water treatment systems.	02/06/2019 - To SENATE Committee on ENVIRONMENTAL QUALITY.
<u>SB 190</u> Dodd (D)	Fire Safety: Building Standards		Requires the Office of the State Fire Marshal to develop, in consultation with representatives from local, state, and federal fire services, local government, building officials, utility companies, the building industry, and the environmental community, a model defensible space program. Requires the Office to make available on their website a Wildland Urban Interface Fire Safety Building Standards Compliance training manual for the training of local building officials, builders, and firefighters.	03/05/2019 - From SENATE Committee on GOVERNMENTAL ORGANIZATION with author's amendments.;03/05/2019 - In SENATE. Read second time and amended. Re-referred to Committee on GOVERNMENTAL ORGANIZATION.
<u>SB 200</u> Monning (D)	Safe and Affordable Drinking Water Fund	WATCH	Establishes the Safe and Affordable Drinking Water Fund in the State Treasury and provides that moneys in the fund are available, upon appropriation by the Legislature, to the State Water Resources Control Board to provide a stable source of funding to secure access to safe drinking water for all Californians, while also ensuring the long-term sustainability of drinking water service and infrastructure.	02/13/2019 - To SENATE Committees on ENVIRONMENTAL QUALITY and NATURAL RESOURCES AND WATER.

IRWD 2019 LEGISLATIVE MATRIX

Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 204</u> Dodd (D)	State Water Project: Contracts	OPPOSE UNLESS AMENDED	Requires the Department of Water Resources to provide at least 10 days' notice to the Joint Legislative Budget Committee and relevant policy and fiscal committees of the Legislature before holding public sessions to negotiate any potential amendment of a long-term water supply contract that is of projectwide significance with substantially similar terms intended to be offered to all contractors, or that would permanently transfer a contractual water amount between contractors.	02/13/2019 - To SENATE Committee on NATURAL RESOURCES AND WATER.
<u>SB 209</u> Dodd (D)	California Wildfire Warning Center: Weather Monitoring		Establishes the California Wildfire Warning Center, a statewide network of automated weather and environmental monitoring stations conducting fire weather forecasting and threat assessment to aid in wildfire prevention and response. Comprises the center of representatives from the Public Utilities Commission, the Office of Emergency Services, and the Department of Forestry and Fire Protection.	02/13/2019 - To SENATE Committees on GOVERNMENTAL ORGANIZATION and ENERGY, UTILITIES AND COMMUNICATIONS.
<u>SB 210</u> Leyva (D)	Heavy-Duty Vehicle Inspections and Maintenance Program		Authorizes the State Air Resources Board to develop and implement a Heavy-Duty Vehicle Inspection and Maintenance Program for nongasoline heavy-duty onroad motor vehicles. Authorizes fee assessment and penalties as part of the program. Creates the Truck Emission Check Fund, with all the moneys deposited in the fund to be available upon appropriation.	02/14/2019 - To SENATE Committees on ENVIRONMENTAL QUALITY and TRANSPORTATION.
<u>SB 212</u> Allen (D)	Elections: Local Voting Methods		Authorizes a city, county, or local educational agency to conduct an election using ranked choice voting, in which voters rank the candidates for office in order of preference.	02/13/2019 - To SENATE Committee on ELECTIONS AND CONSTITUTIONAL AMENDMENTS.
<u>SB 216</u> Galgiani (D)	Carl Moyer Memorial Air Quality Standards Attainment		Adds as an eligible project under the Carl Moyer Memorial Air Quality Standards Attainment Program, a used heavy-duty truck exchange.	02/13/2019 - To SENATE Committees on ENVIRONMENTAL QUALITY and TRANSPORTATION.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 226</u> Nielsen (R)	Watershed Restoration: Grant Program		Requires the Natural Resources Agency to develop and implement a watershed restoration grant program for purposes of awarding grants to private property land owners to assist them with watershed restoration on watersheds that have been affected by wildfire. Requires the agency to provide technical resources to the private property land owners seeking assistance with watershed restoration.	02/21/2019 - To SENATE Committee on NATURAL RESOURCES AND WATER.
<u>SB 241</u> Moorlach (R)	Public Agencies: Joint Powers Authorities: Contracts		Relates to the Joint Powers Act. Requires the governing body of each member agency of an agency established pursuant to a joint powers agreement to approve and ratify each memorandum of understanding negotiated between the joint powers agency and its employees. Requires each member agency to approve and ratify each contract for municipal services or functions, as defined, negotiated between the joint powers agency and the entity providing the services or functions.	02/21/2019 - To SENATE Committees on GOVERNANCE AND FINANCE and LABOR, PUBLIC EMPLOYMENT AND RETIREMENT.
<u>SB 247</u> Dodd (D)	Wildland Fire Prevention: Vegetation: Management		Provides that it is the intent of the Legislature to enact legislation that would require the Department of Forestry and Fire Protection to identify trees that should be trimmed or removed to protect against contact between trees and electric power lines that could cause a fire.	02/21/2019 - To SENATE Committee on RULES.
<u>SB 266</u> Leyva (D)	Public Employees Retirement: Disallowed Compensation		Establishes new procedures under the Public Employee Retirement Law for cases in which PERS determines that the benefits of a member or annuitant are, or would be, based on compensation that conflicts with the Public Employees Pension Reform Act, and other specified laws and thus impermissible under PERL. Applies procedures retroactively to determinations made on or after a certain date, if an appeal has been filed and the employee member, survivor, or beneficiary has not exhausted specified remedies.	02/21/2019 - To SENATE Committee on LABOR, PUBLIC EMPLOYMENT AND RETIREMENT.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 287</u> Nielsen (R)	Commission on State Mandates: Test Claims: Filing Date		Relates to the filing date on test claims for the Commission on State Mandates. Specifies that for purposes of filing a test claim based on the date of incurring increased costs, "within 12 months" means by June 30 of the fiscal year following the fiscal year in which increased costs were first incurred by the test claimant.	02/21/2019 - To SENATE Committee on GOVERNANCE AND FINANCE.
<u>SB 288</u> Wiener (D)	Electricity: Self-Generation and Storage		Requires the PUC and the governing board of each local publicly owned electric utility to create one or more tariffs that offer fair compensation for customer-sited energy storage systems that export electricity to the electrical grid and to consider one or more tariffs for customer-sited energy storage and renewable energy systems to support grid reliability and community resiliency in the event of emergencies or grid outages.	02/21/2019 - To SENATE Committee on ENERGY, UTILITIES AND COMMUNICATIONS.
<u>SB 307</u> Roth (D)	Water Conveyance: Use of Facility with Unused Capacity		Prohibits a transferor of water from using a water conveyance facility that has unused capacity to transfer water from a groundwater basin underlying desert lands that is in the vicinity of specified federal lands or state lands to outside of the groundwater basin unless the State Lands Commission, in consultation with the Department of Fish and Wildlife, finds that the transfer of the water will not adversely affect the natural or cultural resources of those federal and state lands.	02/28/2019 - To SENATE Committee on NATURAL RESOURCES AND WATER.
<u>SB 324</u> Rubio (D)	Local Government: Meetings		Clarifies that the list of entities subject to the Ralph M. Brown Act includes infrastructure financing districts, enhanced infrastructure financing districts, affordable housing authorities, and community revitalization and investment authorities.	02/28/2019 - To SENATE Committee on GOVERNANCE AND FINANCE.
<u>SB 332</u> Hertzberg (D)	Wastewater Treatment: Recycled Water		Declares, except in compliance with the bill's provisions, that the discharge of treated wastewater from ocean outfalls is a waste and unreasonable use of water. Requires each wastewater treatment facility that discharges through an ocean outfall and	02/28/2019 - To SENATE Committees on ENVIRONMENTAL QUALITY and JUDICIARY.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			affiliated water suppliers to reduce the facility's annual flow as compared to the average annual wastewater discharge baseline volume, as prescribed, by at least 50% on or before January 1, 2030, by at least 95% on or before January 1, 2040.	
<u>SB 335</u> Hurtado (D)	Provision of Sewer Service: Onsite Treatment System		Authorizes the property owner of an affected residence to opt out of the provision of sewer service for a maximum of 5 years if the adequate onsite sewage treatment system was installed no more than 5 years prior to the issuance of the order.	02/28/2019 - To SENATE Committees on ENVIRONMENTAL QUALITY and GOVERNANCE AND FINANCE.
<u>SB 341</u> Morrell (R)	Public Employment and Retirement		Requires the Board of Administration of the Public Employees' Retirement System to report a calculation of liabilities based on a discount rate equal to the yield on a 10-year United States Treasury note in the year prior to the report. Requires the Teacher's Retirement Board to provide a description of the discount rate the board uses for reporting liabilities, a calculation of liabilities based on a discount rate that is 2% below the long-term rate of return.	02/28/2019 - To SENATE Committee on LABOR, PUBLIC EMPLOYMENT AND RETIREMENT.
<u>SB 355</u> Portantino (D)	Joint Powers Agencies: Meetings		Relates to The Joint Exercise of Powers Act. Relates to The Ralph M. Brown Act. Eliminates the requirement that the designated alternate member of the legislative body of the joint powers agency also be a member of the legislative body of a member local agency.	02/28/2019 - To SENATE Committee on GOVERNANCE AND FINANCE.
<u>SB 370</u> Umberg (D)	Discovery: Response to Inspection Demands		Eliminates the option to produce documents as they are kept in the usual course of business, thereby requiring documents produced in response to a demand for inspection, copying, testing, or sampling to be organized and labeled to correspond with the categories in the demand made under the Civil Discovery Act.	02/28/2019 - To SENATE Committee on JUDICIARY.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 379</u> Governance and Finance Cmt	Validations		Enacts the First Validating Act of 2019 validating organization, boundaries, acts, proceedings, and bonds of the state and counties, cities and specified districts, agencies, and entities.	02/28/2019 - To SENATE Committee on GOVERNANCE AND FINANCE.
<u>SB 380</u> Governance and Finance Cmt	Validations		Enacts the Second Validating Act of 2019 validating organization, boundaries, acts, proceedings, and bonds of the state and counties, cities and specified districts, agencies, and entities.	02/28/2019 - To SENATE Committee on GOVERNANCE AND FINANCE.
<u>SB 381</u> Governance and Finance Cmt	Validations		Enacts the Third Validating Act of 2019 validating organization, boundaries, acts, proceedings, and bonds of the state and counties, cities and specified districts, agencies, and entities.	02/28/2019 - To SENATE Committee on GOVERNANCE AND FINANCE.
<u>SB 386</u> Caballero (D)	State Renewables Portfolio Standard Program		Provides that hydroelectric generation that is owned by one or more irrigation districts is an eligible renewable energy resource for purposes of the State Renewables Portfolio Standard Program if it has a first point of interconnection with a State balancing authority or has a first point of interconnection with distribution facilities used to serve end users within a State balancing authority area.	02/28/2019 - To SENATE Committee on ENERGY, UTILITIES AND COMMUNICATIONS.
<u>SB 414</u> Caballero (D)	Small System Water Authority Act of 2019	SUPPORT IN CONCEPT	Creates the Small System Water Authority Act of 2019 and states legislative findings and declarations relating to authorizing the creation of small system water authorities that will have powers to absorb, improve, and competently operate noncompliant public water systems.	02/28/2019 - To SENATE Committees on GOVERNANCE AND FINANCE and ENVIRONMENTAL QUALITY.
<u>SB 454</u> Caballero (D)	Water Resources Control Board: Administrative Hearing		Authorizes the State Water Resources Control Board an Administrative hearings Office to be supported in full or in part by fees assessed against parties that participate in a hearing conducted by the office and prohibits the fees from being in an amount more than necessary to cover the reasonable costs of the burden imposed on the office by the individual fee payor.	03/07/2019 - To SENATE Committee on NATURAL RESOURCES AND WATER.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 474</u> Stern (D)	Department Of Water Resources: Appropriations Of Water		Eliminates the exemption from application of water diligence provisions under the State Water Resources Control Board.	03/07/2019 - To SENATE Committee on NATURAL RESOURCES AND WATER.
<u>SB 487</u> Caballero (D)	Department Of Water Resources: Aerial Snow Survey		Requires the Department of Water Resources California snow survey program to conduct aerial surveys of the snowpack in the Trinity Alps and Sierra Nevada Mountains, including hydrologic areas that drain or supply water to certain major reservoirs and lakes. Requires the department to collect the aerial survey data up to 10 times per year in each hydrologic area and to summarize and make publicly available the data obtained.	03/07/2019 - To SENATE Committee on NATURAL RESOURCES AND WATER.
<u>SB 518</u> Wieckowski (D)	Public Records: Disclosure: Court Costs and Attorney		Relates to court costs and attorney's fees disclosure for purposes of the award of those costs specifically notwithstanding a provision of existing law that prescribes the withholding or augmentation of costs if an offer is made before judgment or award in a trial or arbitration.	03/07/2019 - To SENATE Committees on JUDICIARY and APPROPRIATIONS.
<u>SB 530</u> Galgiani (D)	Construction: Discrimination and Harassment Policy		Requires the Division of Labor Standards Enforcement to develop recommendations for an industry-specific harassment and discrimination prevention policy and training standard for use by employers in the construction industry. Requires the department to convene an advisory committee consisting of specified representatives from the construction industry and state agencies to assist the division in developing the policy.	03/07/2019 - To SENATE Committee on LABOR, PUBLIC EMPLOYMENT AND RETIREMENT.
<u>SB 532</u> Portantino (D)	Redevelopment: Bond Proceeds: Affordable Housing		Authorizes a successor agency, of a dissolved redevelopment agency, to use the remaining bond proceeds for the purposes of increasing, improving, and preserving affordable housing, as defined.	03/07/2019 - To SENATE Committees on GOVERNANCE AND FINANCE and HOUSING.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 535</u> Moorlach (R)	Global Warming Solutions Act: Scoping Plan		Requires the State Air Resources Board to prepare and approve a scoping plan for achieving the maximum technologically feasible and and cost-effective reductions in greenhouse gas emissions and to update the scoping plan at least once every five years. Requires the state board to include greenhouse gas emissions from wildfires and forest fires in the scoping plan.	03/07/2019 - To SENATE Committee on ENVIRONMENTAL QUALITY.
<u>SB 559</u> Hurtado (D)	Department of Water Resources Grant		Appropriates funds to the Department of Water Resources for the purposes of restoring the Friant Kern Canal to its full capacity.	03/07/2019 - To SENATE Committee on NATURAL RESOURCES AND WATER.
<u>SB 576</u> Umberg (D)	State Coastal Conservancy: Coastal Climate Change		Requires the State Coastal Conservancy to develop and implement a coastal climate adaption, infrastructure, and readiness program designed to, among other things, improve the climate change resiliency of the state's coastal communities, infrastructure, and habitat, as prescribed, and host an international conference on coastal climate change not less than once every 2 years.	03/07/2019 - To SENATE Committee on NATURAL RESOURCES AND WATER.
<u>SB 608</u> Glazer (D)	Architects: Contracts		Relates to existing law requiring an architect to use a written contract when contracting to provide professional services. Requires the written contract to include a description of the project, a description of the procedure that will be used to accommodate contract changes, the project address, a statement identifying the ownership and use of instruments of service prepared by the architect.	02/22/2019 - INTRODUCED.
<u>SB 629</u> McGuire (D)	Air Districts: Hearing Boards: Notice Requirements		Relates to the Ralph M. Brown Act. Requires a hearing board to send a notice of hearing not less than a specified number of hours before the hearing to any person who requests the notice.	02/22/2019 - INTRODUCED.
<u>SB 641</u> Allen (D)	Special Elections: Ranked Choice Voting		Authorizes the Governor to require that a special election to fill a vacancy in a congressional or legislative office be conducted by ranked choice voting, as defined, if the affected jurisdiction	02/22/2019 - INTRODUCED.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			is capable of using this voting method and the Secretary of State has approved the specific ranked choice voting method to be used.	
<u>SB 646</u> Morrell (R)	Local Agency Utility Services: Service Extensions		Requires a local agency formation commission to authorize a city or district to extend a service outside its jurisdiction boundary, but within its sphere of influence, if no city, district, or privately owned public utility provides that service, irrespective of whether a change of organization is anticipated.	02/22/2019 - INTRODUCED.
<u>SB 668</u> Rubio (D)	Fire Hydrants: Water Suppliers: Regulations		Requires the State Water Resources Control Board, by December 1, 2021, to develop and adopt regulations for reporting and inspections regarding public water suppliers. Requires that the regulations adopted by the board ensure water suppliers' compliance with local standards for fire safety.	02/22/2019 - INTRODUCED.
<u>SB 669</u> Caballero (D)	Water Quality: Safe Drinking Water Fund	SUPPORT	Establishes the Safe Drinking Water Fund in the State Treasury. Provides that moneys in the fund are continuously appropriated to the state board. Requires the state board to administer the fund to assist community water systems in disadvantaged communities that are chronically noncompliant relative to the federal and state drinking water standards and do not have the financial capacity to pay for operation and maintenance costs comply with those standards.	02/22/2019 - INTRODUCED.
<u>SB 690</u> Hueso (D)	California Regional Water Quality Control Boards		Makes a nonsubstantive change to the State Water Resources Control Board and the 9 California regional water quality control boards.	02/22/2019 - INTRODUCED.
<u>SB 693</u> Borgeas (R)	State Water Resources Control Board		Makes nonsubstantive changes in the State Water Resources Control Board an administrative Hearings Office.	02/22/2019 - INTRODUCED.
<u>SB 699</u> Hill (D)	Director of Water Resources		Makes nonsubstantive changes relating to the powers of the Director of Water Resources.	02/22/2019 - INTRODUCED.

IRWD 2019 LEGISLATIVE MATRIX
Updated 03/11/2019

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 762</u> Jones (R)	Groundwater Storage		Makes a nonsubstantive change in provisions relating to groundwater storage.	02/22/2019 - INTRODUCED.
<u>SB 772</u> Bradford (D)	Long Duration Bulk Energy Storage: Procurement		Requires the Independent System Operator to complete a competitive solicitation process for the procurement of one or more long duration energy storage projects.	02/22/2019 - INTRODUCED.
<u>SB 779</u> Nat Resour & Water Cmt	Appropriation of Water: Change of Point of Diversion		Authorizes an applicant, permittee, or licensee, for purposes of appropriating water, to change any other provision or condition from that specified in the application, permit, or license upon permission of the State Water Resources Control Board. Authorizes the board to make a minor change to an application, permit, or license without requiring the filing of a petition for change if it makes specified findings.	02/27/2019 - INTRODUCED.
<u>SB 780</u> Governance and Finance Cmt	Local Government Omnibus Act		Requires the Secretary of State and each county clerk to establish and maintain an indexed Registry of Public Agencies containing a specified statement of facts about the agency.	02/28/2019 - INTRODUCED.

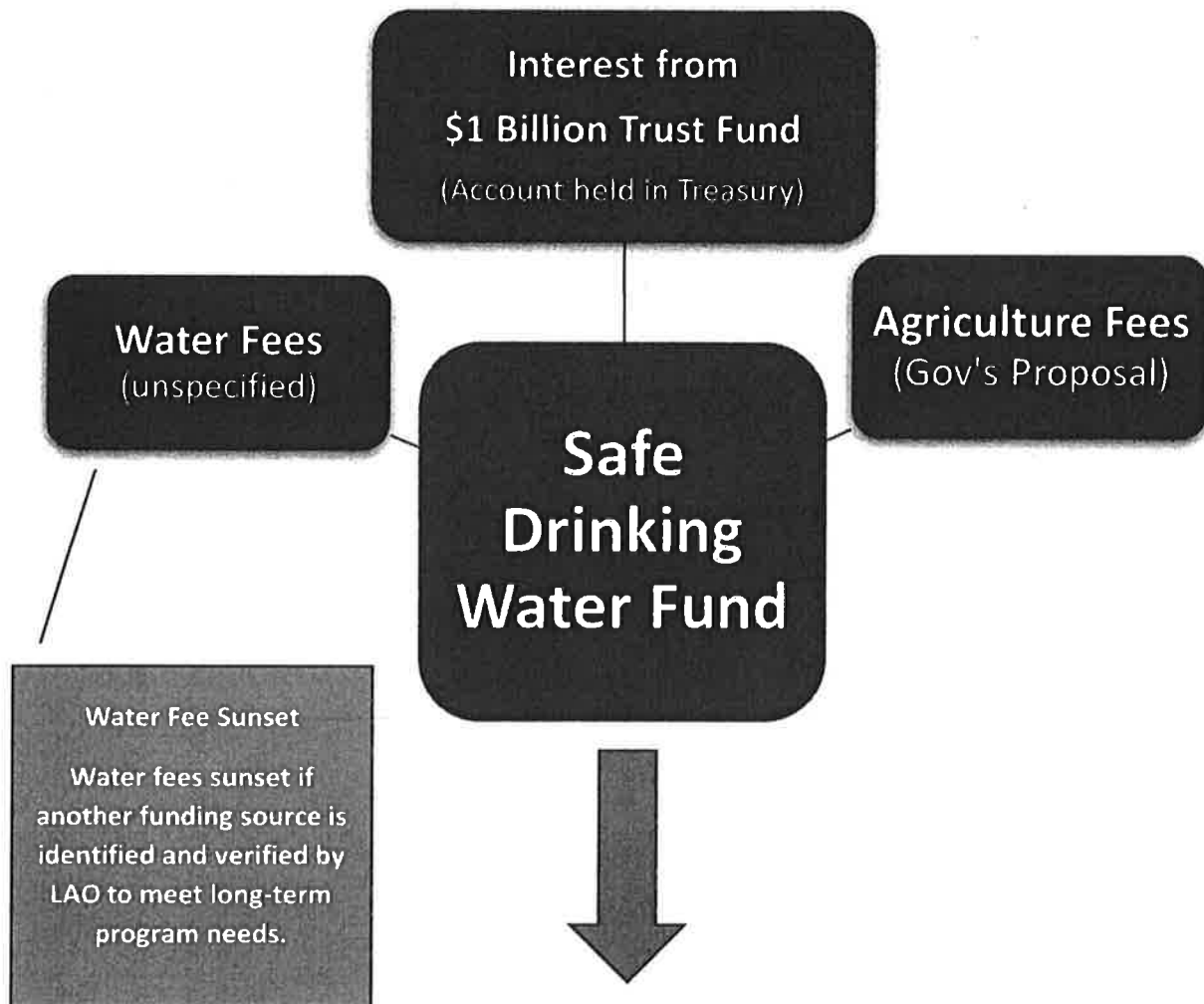
Exhibit “B”

2019 Legislative Update Report:
Links to Bill & Regulatory Texts
(as of March 11, 2019)

Bill Number/Version Date	Link to Bill Text
Safe and Affordable Drinking Water Budget Trailer Bill	http://www.dof.ca.gov/Budget/Trailer_Bill_Language/documents/SafeandAffordableDrinkingWaterandExideCleanup.pdf
AB 134 (Bloom), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB134
AB 217 (Garcia), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB217
AB 510 (Cooley), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB510
AB 1204 (Rubio), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB1204
AB 1414 (Friedman), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB1414
AB 1415 (Friedman), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB1415
AB 1432 (Dahle), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB1432
AB 1486 (Ting), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB1486

ACA 3 (Mathis/Garcia), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200ACA3
SB 134 (Hertzberg), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB134
SB 200 (Monning), as amended	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB200
SB 307 (Roth), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB307
SB 332 (Hertzberg/Wiener), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB332
SB 414 (Caballero), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB414
SB 669 (Caballero), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB669

EXHIBIT "C"



80% for Statewide Needs

- Prioritizes disadvantaged communities, operations and maintenance, and identified failing water systems. May be used for individual wells (only where serving community water systems), lead, etc.

20% for Regional Needs

- May be used within regions for similar purposes, rate affordability, lead, etc.

March 18, 2019

Prepared and

submitted by: C. Compton

Approved by: Paul A. Cook 

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

SUPPORT FOR THE NOMINATION OF BRENT HASTEY AS A CANDIDATE FOR THE ACWA JPIA EXECUTIVE COMMITTEE

SUMMARY:

The Association of California Water Agencies Joint Powers Insurance Authority (ACWA JPIA or JPIA) is a partnership of water agencies that provides insurance coverage and related services to California water agencies. ACWA JPIA is managed by a board of directors, which are elected from the directors and managers of the water agencies it serves. Currently, the JPIA is accepting nominations for candidates to the ACWA JPIA Executive Committee. The submission deadline for submitting nominations is March 22, 2019.

IRWD is a participant in some of ACWA JPIA's four insurance/liability programs, but not all of them. As a participant in the JPIA, IRWD has been approached by the Yuba Water Agency and asked to support the nomination of Yuba Water Agency Director and ACWA President Brent Hastey to the ACWA JPIA Executive Committee. Staff recommends that the Committee authorize the District to communicate its support for Brent Hastey's nomination to ACWA JPIA Executive Committee.

BACKGROUND:

ACWA JPIA provides insurance coverage and related services to California water agencies through four programs. Its programs are Liability, Property, Workers' Compensation and Employee Benefits. The JPIA is governed by a board of directors elected by the ACWA JPIA members.

Recently, ACWA JPIA opened the nomination period for four seats on its Executive Committee. The nomination process requires that candidates be nominated by a ACWA JPIA member agency and that the nomination be concurred in by three ACWA JPIA member agencies. Only those member agencies that participate in all four of ACWA JPIA's programs can nominate a candidate or concur in a nomination.

Nominations and a concurrence in a nomination for the Executive Committee must be received by 4:30 p.m. on March 22, 2019. The election for candidates to the Executive Committee will be held on May 6, 2019, at the ACWA spring conference.

Request for Support of Nominees:

The Yuba Water Agency recently wrote to IRWD and asked that the District consider supporting the nomination of Yuba Water Agency Director and ACWA President Brent Hastey to the ACWA JPIA Executive Committee. A copy of Brent Hastey's biography is attached as Exhibit "A".

While IRWD participates in ACWA JPIA, it is not a participant of all four of the JPIA's programs. As a result, it can not nominate a candidate for the ACWA JPIA Executive Committee or concur in the nomination of a candidate. The District can, however, support the nomination of a candidate. Staff recommends that the Committee authorize the District to communicate its support for Brent Hastey's nomination to ACWA JPIA.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

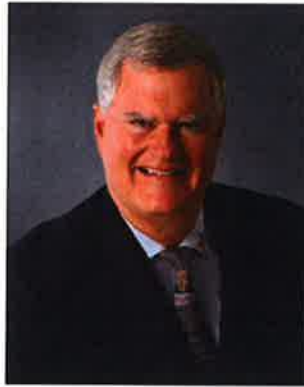
RECOMMENDATION:

That the Committee authorize IRWD to communicate its support for Brent Hastey's nomination to ACWA Joint Powers Insurance Authority.

LIST OF EXHIBITS:

Exhibit "A" – Biography for Brent Hastey

EXHIBIT "A"



Brent Hastey was elected to a two-year term as president of the Association of California Water Agencies on Nov. 29, 2017.

He is a member and chairperson of the Yuba Water Agency Board of Directors and a former member of the Yuba County Board of Supervisors. He also has served on the boards of Reclamation District 784, Yuba County LAFCO, Regional Council of Rural Counties and the Sacramento Area Council of Governments.


In addition to his service in the water management arena, Hastey has worked in higher education both locally and on a statewide level. In 2010, he was elected to the Yuba Community College District, which serves eight counties and spans nearly 4,200 square miles of rural Northern California. He is a member of the California Community College Trustee Board, which represents the state's 72 community college districts. Hastey also serves as a Director of Bank of Feather River, a community bank in Yuba City, CA.

Hastey previously served as vice president of the ACWA for the 2016-'17 term and on the ACWA JPIA executive committee 2016-2017.

March 18, 2019

Prepared and

submitted by: C. Compton

Approved by: Paul A. Cook 

WATER RESOURCES POLICY AND COMMUNICATIONS COMMITTEE

ANNUAL DISTRICT MEMBERSHIPS IN AND SPONSORSHIPS OF CHAMBERS OF COMMERCE

SUMMARY:

As part of its local outreach to and engagement of the business community within its service area, IRWD participates in a number of local chambers of commerce. The annual membership dues for each local chamber and the level of the District's sponsorship of chamber events varies between each chamber. Given the important role chambers of commerce play within the Orange County business community and the District's interest in engaging the business communities it serves, staff is requesting guidance from the Committee regarding the limits of financial participation by IRWD in the local chambers of commerce.

BACKGROUND:

The District is a member of a number of statewide and local associations. It is also active in local community groups, such as the chambers of commerce for the business communities of interest to IRWD. These memberships allow the District to engage directly with the businesses it serves. The current annual dues levels of each chamber are summarized below:

Chamber of Commerce	Current Membership Dues
Greater Irvine Chamber of Commerce	\$1,600
Lake Forest Chamber of Commerce	\$175
Newport Beach Chamber of Commerce	\$2,500
Orange County Business Council	\$5,000
South Orange County Chamber of Commerce/ South Orange County Economic Coalition	\$2,500
Tustin Chamber of Commerce	\$889

In addition to membership dues, the District also sponsors several events hosted by its local chambers depending on the year and event types. For example, in the past the District has sponsored the Greater Irvine Chamber of Commerce's Irvine Business Outlook Breakfast, the Newport Beach Chamber of Commerce's Green on Green, and the Orange County Business Council's Sacramento Advocacy Trip. The District's sponsorships are provided where IRWD receives a commensurate benefit for the amount of the sponsorship and/or when the event relates directly to the services that the District provides.

There are instances when staff fields requests for IRWD to participate in chambers of commerce, either at the membership level or in event sponsorships, that exceed traditional funding levels. Staff is bringing this item to the Committee to discuss and receive guidance regarding the appropriate funding levels for chambers of commerce.

FISCAL IMPACTS:

Dues for IRWD association memberships and sponsorships are included in each annual operating budget. It has been suggested that IRWD may want to consider participating in a local chamber of commerce for an amount up to \$10,000 per year.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

That the Committee provide direction to staff as to the limits of financial participation by IRWD in local chambers of commerce.

LIST OF EXHIBITS:

None.