

Moulton Niguel Water District Audio Visual Systems

Boardroom/Dais





Team Introductions

AVI-SPL Corporate Team

John Zettel - CEO

Dale Bottcher – SVP Sales

Mark Linton – SVP Operations

AVI-SPL Irvine Team

Stephen Wisner– Account Manager

Neil Crisostomo– Installation Manager

Augie Aguiar– Project Manager

Justin Deseo – Site Supervisor

David Thorson – Programming Manager/Architect

Richard Valdez – Senior Systems Programmer

Jojo Deseo – Manager, Engineering

Eric Johnson – Senior Engineer

AVI-SPL Client Support

Adam Howkins – VP, Service Delivery

Joe Laezza – SVP of UCC and Service Solutions



Project SOW Review

A modern conference room with a large white table, several black leather chairs, and a large window overlooking a city skyline. A whiteboard is mounted on the wall. The entire image has a green overlay.



WILMINGTON
MUNICIPAL
WATER
DISTRICT

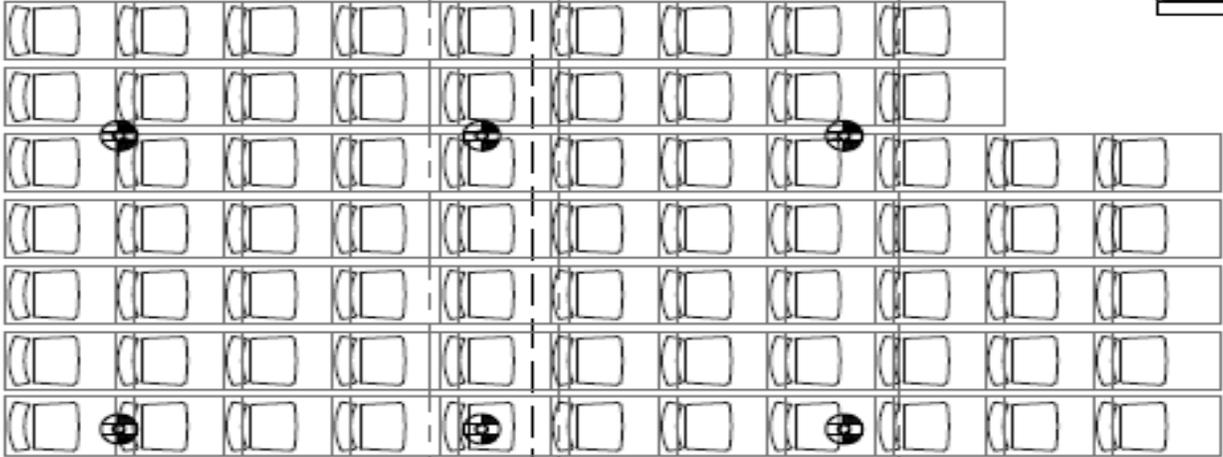


Jeffrey S. Sims
Mayor

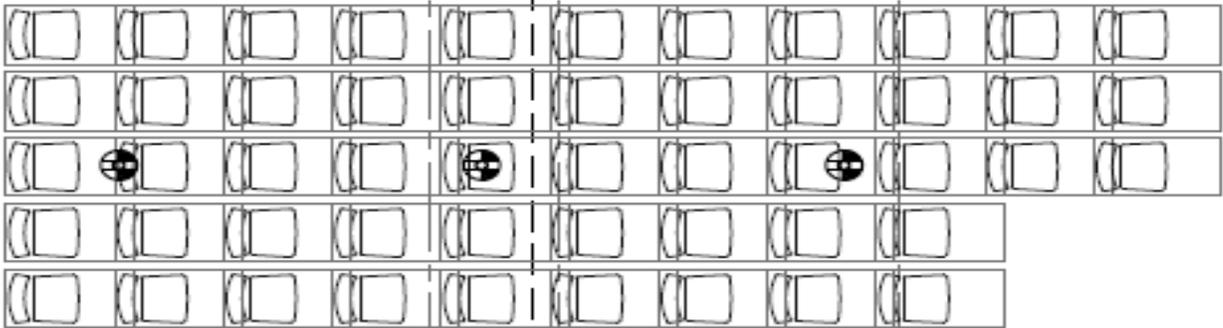
James E. ...
Council Member

...

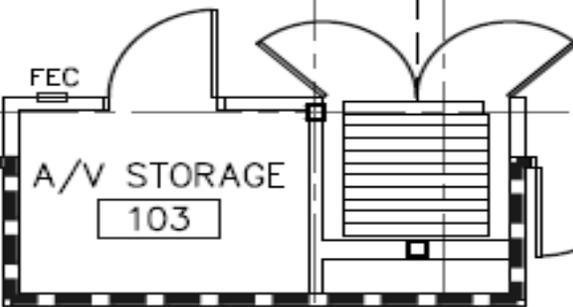
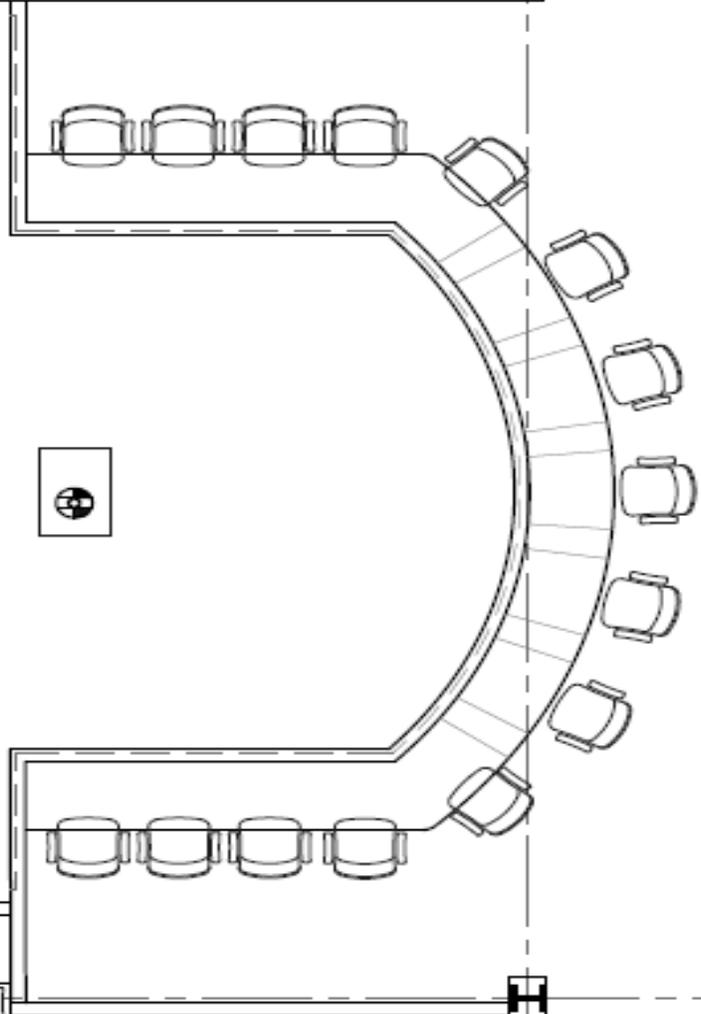




TRAINING ROOM
101



BOARD ROOM/ DAIS
102



A/V STORAGE
103

C.R.

Highly compatible with your budget



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S19E200BR 19" desktop monitor

Doing business with greater value is the whole idea behind the Samsung SE200 Series monitors. An extremely budget-friendly monitor ideal for everyday tasks, the Samsung S19E200BR features a 5:4 aspect ratio, which is perfect for viewing legacy applications. It also features approximately 30% recycled material, less than 0.1W Off Mode power consumption, and a simple and easy-to-use design, all at a reasonable cost. Rounding out the features are a low-glare commercial-grade TN panel, VGA and DVI connections, a matte black bezel with clearly labeled buttons, speaker bar compatibility, VESA mount compatibility and a 3-year warranty. The Samsung S19E200BR. When it comes to business value, it's simply brilliant.

Key features



5:4 aspect ratio

The S19E200BR fits comfortably on a desk, and its 5:4 aspect ratio is perfect for viewing legacy applications.



Environmentally friendly

Industry-leading features include approximately 30% recycled material, less than 0.1W Off Mode power consumption, Eco features to reduce power consumption when monitor is in use, and fully recyclable packaging.



Impressive picture quality

The LED-backlit LCD screen delivers sharp, bright, beautiful images. Mega Infinity dynamic contrast ratio ensures subtle detail even in the lights and darks, and MagicAngle technology delivers improved color even when viewed off-angle.



Slim design that fits any desk

The sleek, stylish design and low-profile stand take up less desk space and contribute to a cleaner-looking office. The built-in cable management feature also contributes to a clutter-free work environment.



Easy on the eyes

When Eye Saver Mode is active, blue light levels are lowered, for reduced eye strain during long work hours. Flicker-free technology adds further viewing comfort by eliminating flickering at all levels of brightness.



Speaker bar ready

The Samsung SPU10 (sold separately) is designed to be attached seamlessly to the back of compatible Samsung monitors. It adds rich stereo sound without taking up an inch of desk space.

Questions





moulton niguel water district

Long-Term Efficiency Framework

Policy Principles & Legislative Positions

Agenda

- Background
- Review Policy Principles
- Bill Comparison
- Status of all the Bills



Background

- 3 Years of Drought Emergency Regulations
- Lessons Learned
- Governor's Executive Order
- Urban Advisory Group
- Goal of Long-Term Efficiency Framework
- MNWD support for the Framework

Policy Principles

- Local Decision- Making
- Clarity & Choice for Customers
- Transparency & Understanding
- Financial Impact to Customers
- Cost-Effective
- Financial Resiliency
- Data Supported
- Equitable Approach
- Flexibility



Bill Comparison

- At this time, none of the Bills are consistent with the Framework
- Continuous Activities & Modifications
- Recap & Comparison



California Water Action Plan

Making Conservation a Way of Life



**Develop new efficiency targets
tailored to local conditions**

*Generate more statewide water
conservation*

**Long-Term Water
Efficiency Framework**



Water Shortage Contingency Plan

Strengthen local drought resilience



Prohibitive Actions

*Permanent ban on wasteful water
uses*

Bill Status

- Passed through Assembly
 - AB 1654 (Rubio)
 - AB 1667 & 1668 (Friedman)
- Did Not Pass through the Assembly
 - AB 968 & 869 (Rubio)
 - AB 1000 & 1669 (Friedman)
- Next Step: Senate Hearing
- Budget Trailer Bill
 - Governor's Stakeholder Group
- Timeline



Next Steps

- Draft Revised Language for Budget Trailer Bill
- Monitor Legislation
- Board Updates
- Maintain Communication with Customers



Policy Principles on Long Term Water Efficiency as Pertains to “Making Conservation a Way of Life” Legislation

- Demand management strategies must provide end water users choice in how they use water and clarity in how to achieve water efficiency as a way of life.
- Transparency, accountability and public understanding are critical factors in implementing demand management strategies on an ongoing basis as well as in response to emergency conditions.
- Efficiency and conservation strategies/programs must fit within a financial framework that supports meaningful planning and ensure financial resiliency of agencies.
- Targets must provide a data driven measure of water use efficiency in setting a future target that facilitates iteration, evaluation and continuous improvement.
- In contrast, they must not be based on arbitrary percentage reductions from an arbitrary baseline such as a past chosen timeframe.
- Targets must not penalize agencies for past demand management investments.
- Strategies/programs/projects to enhance reliability will be evaluated and prioritized based on cost-benefit analysis driven by sound data that takes into account risk assessments and certainty in meeting reliability goals. It is paramount to make conservative investments of our ratepayers’ and taxpayers’ funds.
- Compliance with the target must provide local control and discretion in implementing demand management strategies to meet the future efficiency target.
- Efficient use of all supplies, including recycled water, direct or indirect potable reuse, desalination, is critical to ensuring that imported water supplies utilized throughout the state are also utilized in the most efficient manner possible.
- Water Shortage Contingency Plans should only be implemented in response to local supply shortages. Drought supplies should be considered on par with demand management as a water shortage contingency plan strategy.

Topic	Framework	TBL	AB 968 & AB 869	AB 1654	AB 1000, AB 1667, AB 1668, AB 1669
<p>Conservation Approach</p>	<p>The Framework report describes the five Executive Order Agency's description and implementation plans for Making Water Conservation a California Way of Life. The Framework was required by Executive Order B-37-16, and was developed with input from an Urban Advisory group.</p> <ul style="list-style-type: none"> • Would require all urban water suppliers, using the same methodology, to calculate an efficiency-based water budget <i>at the supplier scale</i>. • While prescriptive in approach, would provide infinite pathways for compliance – thereby allowing for a high level of local control. The manner in which compliance is met is completely up to supplier. • Targets would be unique to each supplier – but because the methodology would be uniform statewide, would allow for apples-to-apples comparisons between suppliers. • Eliminate concept of 'baseline' – and eliminates conservation mandatory percentage reductions. • Proposed state enforcement for non-reporting and, after 2025, suppliers that do not meet targets. • New requirements for WSCPs and AWMPs. 	<p>The Trailer Bill Language (TBL) reflects the Administration's codification of major elements of the Framework Report.</p> <p>Currently being modified by the Governor's office in consultation with stakeholders.</p> <ul style="list-style-type: none"> • Consistent with Framework, but provides discretion to the Board. • Consistent with Framework, but provides discretion to the Board. • Consistent with Framework, but provides discretion to the Board. • Consistent with Framework. • Does not describe. • Good representation of UWMP, WSCP, and AWMP components as described in the Framework. 	<p>AB968 is in essence a "25x2025" program, that includes some elements of the Framework. AB869 is a recycled water exemption proposal.</p> <p>Both bills did not pass through the Assembly.</p> <ul style="list-style-type: none"> • Allows multiple approaches for calculating baseline. • Requires a five percent reduction in water use relative to existing law (e.g, suppliers must reduce water use by an additional 5% by 2025, relative to existing 20x2020 reductions). • Allows multiple compliance pathways (similar to existing 20x2020) • Keeps baseline, and would exclude recycled water from and budget target. • No state enforcement • Not applicable for UWMPs, WSCPs, or AWMPs. 	<p>AB1654 describes water shortage planning elements. The bill does not require a Water Shortage Contingency Plan, and instead would continue existing water shortage analysis measures with minor modifications and periodic reporting to DWR.</p> <p>Passed through the Assembly.</p> <ul style="list-style-type: none"> • Retains existing 20x2020 UWMPs drought planning requirements with minor modifications. 	<p>AB 1000 includes requirements for the Energy Commission to certify water conservation technologies. AB1667 is similar to the TBL for AWMPs. AB1668 is similar to the TBL for WSCPs and drought risk assessments. AB1669 is similar to the TBL for standards and targets.</p> <p>Only AB 1667 & 1668 (Friedman) passed through the Assembly.</p> <ul style="list-style-type: none"> • Consistent with Framework, but provides discretion to the Board. Consistent with the TBL. • Consistent with Framework, but provides discretion to the Board. Consistent with the TBL. • Consistent with Framework, but provides discretion to the Board. Consistent with TBL. • Consistent with Framework and TBL. • Does not describe. • Good representation of UWMP, WSCP, and AWMP components as described in the Framework and TBL.
<p>Standards and Targets</p>	<ul style="list-style-type: none"> • DWR will lead technical work on setting standards, methodologies, and protocols, working with Board. • DWR and Board will propose standards based on technical research. • Board will adopt standards via regulation. • State agencies reconvene, consider revision of standards every five years ending in five and zero. • Urban water suppliers report to DWR on progress towards meeting target beginning in 2022 (with 2021 water year). • Board may adopt interim standards in 2018. 	<ul style="list-style-type: none"> • Does not describe. • Consistent with Framework, but provides discretion to the Board. • Board develops long-term standards for urban water conservation and water use by May 20, 2021, in consultation with DWR. Allows Board to set new standards at any time. The standards include, but are not limited to: 1) indoor residential use, 2) outdoor irrigation use for residential and CII water use, 3) CII water use. • Does not describe. • Provides authority for the Board to adopt interim standards in 2018. 	<ul style="list-style-type: none"> • Does not describe. • Would remove the intent for targets or standards to instead "promote use efficiency". Allows standards/targets as one of three compliance pathways, but would not require them. • AB 968 cites 55 gallons per capita per day as a provisional standard for indoor use. Specifies "irrigable" landscaping standard – which will lead to higher landscape water use volume. • Periodic reporting (every five years with UWMPs) to DWR. • No Board role other than participation in CII workgroup. 	<ul style="list-style-type: none"> • Pertains to UWMPs/WSCPs, does not discuss standards or targets. 	<ul style="list-style-type: none"> • Does not describe. • Consistent with Framework, but provides discretion to the Board. Consistent with TBL. • Board develops long-term standards for urban water conservation and water use by May 20, 2021, in consultation with DWR. Allows Board to set new standards at any time. The standards include, but are not limited to: 1) indoor residential use, 2) outdoor irrigation use for residential and CII water use, 3) CII water use. Consistent with TBL. • Does not describe. • Provides authority for the Board to adopt interim standards in 2018, consistent with TBL.

Topic	Framework	TBL	AB 968 & AB 869	AB 1654	AB 1000, AB 1667, AB 1668, AB 1669
<p>Enforcement & Reporting</p>	<p>The Framework report describes the five Executive Order Agency's description and implementation plans for Making Water Conservation a California Way of Life. The Framework was required by Executive Order B-37-16, and was developed with input from an Urban Advisory group.</p> <ul style="list-style-type: none"> Data on monthly water production reported to Board. DWR collects data on UWMPs, WSCPs, and AWMPs. DWR receives annual reports on water use/targets compliance. DWR refers compliance issues to UWMPs, WSCPs, and AWMPs to Board for enforcement. DWR and Board work together to develop compliance criteria and review target compliance. Board retains enforcement discretion. Board may issue Info Orders or Conservation Orders from 2022-2025, and beginning in 2026 may issue financial penalties for suppliers not meeting targets. Provides local public agencies authority to enforce prohibitions and other conservation actions. Board could issue Conservation Orders, Cease and Desist Order, or Information Orders in advance of 2026 for suppliers that are not meeting their targets 	<p>The Trailer Bill Language (TBL) reflects the Administration's codification of major elements of the Framework Report.</p> <p>Currently being modified by the Governor's office in consultation with stakeholders.</p> <ul style="list-style-type: none"> The board may issue a regulation or information order requiring suppliers to submit information on water production, water use, or water conservation. Consistent with Framework. Does not include language on reporting relative to standards-based targets. Does not describe. Consistent with Framework Provides the Board authority to issue a Cease and Desist Order to water suppliers. Without new language, the Board's only enforcement authority would be for Administrative Civil Liability (ACL) complaints, which is within the Board's existing authority (TBL does not add the ACL authority, which is preexisting). 	<p>AB968 is in essence a "25x2025" program, that includes some elements of the Framework. AB869 is a recycled water exemption proposal.</p> <p>Both bills did not pass through the Assembly.</p> <ul style="list-style-type: none"> There is no role for the Board, and no enforcement of any requirement. Appears to keep 20x2020 reporting structure for UWMPs. None of the targets developed by AB968 would be enforceable. No role for the Board, no enforcement by state agencies. No Board role. 	<p>AB1654 describes water shortage planning elements. The bill does not require a Water Shortage Contingency Plan, and instead would continue existing water shortage analysis measures with minor modifications and periodic reporting to DWR.</p> <p>Passed through the Assembly.</p> <ul style="list-style-type: none"> Reporting under some scenarios, when triggered by Water Shortage Analysis. Would not require a WSCP There are no enforcement provisions in AB1654 for either the Board or DWR. AB1654 does not change existing law that provides local public agencies the authority to enforce emergency conservation requirements. 	<p>AB 1000 includes requirements for the Energy Commission to certify water conservation technologies. AB1667 is similar to the TBL for AWMPs. AB1668 is similar to the TBL for WSCPs and drought risk assessments. AB1669 is similar to the TBL for standards and targets.</p> <p>Only AB 1667 & 1668 (Friedman) passed through the Assembly.</p> <ul style="list-style-type: none"> The board may issue a regulation or information order requiring suppliers to submit information on water production, water use, or water conservation. Consistent with Framework and TBL. Does not include language on reporting relative to standards-based targets. Does not describe. Consistent with Framework and TBL. Provides the Board authority to issue a Cease and Desist Order. Without new language, the Board's only enforcement authority would be for Administrative Civil Liability (ACL) complaints, which is within the Board's existing authority (Consistent with TBL, which does not add the ACL authority, which is preexisting).
<p>Recycled Water</p>	<ul style="list-style-type: none"> Areas irrigated with recycled water are considered special landscapes and will be granted an evapotranspiration factor of 1.0. Agencies will consider to standards can best reflect local variances in climate when developing permanent standards. 	<ul style="list-style-type: none"> Does not describe. 	<ul style="list-style-type: none"> Excludes recycled water from calculation of any urban water use target or reduction in urban water per capita use. Would exempt recycled water from any compliance target calculation. Includes a list of definitions, changes "gross water" and "recycled water". Declares any recycled water use is equivalent to other water efficiency measures. 	<ul style="list-style-type: none"> Not applicable. 	<ul style="list-style-type: none"> Does not describe

Topic	Framework	TBL	AB 968 & AB 869	AB 1654	AB 1000, AB 1667, AB 1668, AB 1669
Landscape Area Measurement	<p>The Framework report describes the five Executive Order Agency's description and implementation plans for Making Water Conservation a California Way of Life. The Framework was required by Executive Order B-37-16, and was developed with input from an Urban Advisory group.</p> <ul style="list-style-type: none"> EO Agencies will develop landscape area estimates for each urban retail water supplier. The landscape area measurement project will focus on the aggregate water supplier service landscape area. Suppliers may contract with the vendors individually to obtain parcel level landscape area measurements. Framework would calculate landscape area at the supplier level. EO Agencies will determine whether the irrigated landscape area or the irrigable (developed landscape area that could be irrigated) landscape area is used as the basis for the standard. 	<p>The Trailer Bill Language (TBL) reflects the Administration's codification of major elements of the Framework Report.</p> <p>Currently being modified by the Governor's office in consultation with stakeholders.</p> <ul style="list-style-type: none"> Does not detail the landscape area component – only states that the Board-developed standards will include a standard for outdoor irrigation. Does not describe. Does not describe 	<p>AB968 is in essence a "25x2025" program, that includes some elements of the Framework. AB869 is a recycled water exemption proposal.</p> <p>Both bills did not pass through the Assembly.</p> <ul style="list-style-type: none"> AB 968 contains detailed requirements for a database of validated aerial imagery, measured irrigable areas, and reference evapotranspiration data provided by DWR. Data are to be correlated to assessor parcels within each supplier's service area. The database shall be suitable for determining appropriate irrigation amounts for large trees and irrigable area under native tree canopy. DWR would be required to maintain a confidential database and conduct a statistically valid review of accuracy of information. A supplier would be able to use its own database, if the supplier certifies that its database is of comparable or better quality. 	<p>AB1654 describes water shortage planning elements. The bill does not require a Water Shortage Contingency Plan, and instead would continue existing water shortage analysis measures with minor modifications and periodic reporting to DWR.</p> <p>Passed through the Assembly.</p> <ul style="list-style-type: none"> Not applicable. 	<p>AB 1000 includes requirements for the Energy Commission to certify water conservation technologies. AB1667 is similar to the TBL for AWMPs. AB1668 is similar to the TBL for WSCPs and drought risk assessments. AB1669 is similar to the TBL for standards and targets.</p> <p>Only AB 1667 & 1668 (Friedman) passed through the Assembly.</p> <ul style="list-style-type: none"> Does not detail the landscape area component – only states that the Board-developed standards will include a standard for outdoor irrigation (Consistent with TBL). Does not describe. Does not describe
CII	<ul style="list-style-type: none"> Called for performance measures for CII (audits, water management plans) as opposed to volumetric standard. The Framework states that regulations and guidelines for implementing the CII performance measures will be developed by December 2018. Require dedication irrigation accounts (meters) or similar technology for mixed meters above a certain sized landscape. Cutoff landscape size would be determined later. Development of Technical Workgroup to develop CII classifications and performance measures, commits to iterative process for EO agencies to review performance measures every five years. 	<ul style="list-style-type: none"> The Board may set standards for CII use. Does not describe. Consistent with Framework, but provides discretion to the Board. Does not describe. 	<ul style="list-style-type: none"> Requires a CII Technical workgroup by July 2018. CII Workgroup would develop and submit a report to the Legislature before January 2020, detailing recommendations for performance measures and appropriate CII classification metrics. Note that there would be no requirements for CII performance measures, only that a report would be generated. 	<ul style="list-style-type: none"> Not applicable. 	<ul style="list-style-type: none"> The Board may set standards for CII use. Consistent with TBL. Does not describe. Consistent with Framework, but provides discretion to the Board. Consistent with TBL. Does not describe.
Stakeholder Involvement	<ul style="list-style-type: none"> Continued UAG, twice a year, through at least 2021. A CII Technical workgroup to develop appropriate CII classifications and performance measures. Calls for public input and workgroup discussions. 	<ul style="list-style-type: none"> Does not describe. 	<ul style="list-style-type: none"> DWR will develop an Urban Stakeholder Committee to develop variances for livestock, swamp coolers, and transient populations. There is no Board involvement. 	<ul style="list-style-type: none"> Not applicable 	<ul style="list-style-type: none"> Does not describe

Topic	Framework	TBL	AB 968 & AB 869	AB 1654	AB 1000, AB 1667, AB 1668, AB 1669
<p>WSCPs & UWMPs</p>	<p>The Framework report describes the five Executive Order Agency's description and implementation plans for Making Water Conservation a California Way of Life. The Framework was required by Executive Order B-37-16, and was developed with input from an Urban Advisory group.</p> <ul style="list-style-type: none"> Requires WSCPs as new component to UWMPs. UWMPs updated July 1 & every five years ending in six and one. Includes detailed description of WSCP requirements, thresholds, and plan elements. Sets contingency plan thresholds. Suppliers with PUC oversight include UWMPs/WSCPs as part of general rate case filings Requires annual supply reliability assessment. Defines "drought risk assessment" (5 or more consecutive years), "water budget forecast" (annual), "water shortage contingency plan"(adopted with UWMP 	<p>The Trailer Bill Language (TBL) reflects the Administration's codification of major elements of the Framework Report.</p> <p>Currently being modified by the Governor's office in consultation with stakeholders.</p> <ul style="list-style-type: none"> Consistent with the Framework. Consistent with the Framework 	<p>AB968 is in essence a "25x2025" program, that includes some elements of the Framework. AB869 is a recycled water exemption proposal.</p> <p>Both bills did not pass through the Assembly.</p> <ul style="list-style-type: none"> Not applicable. 	<p>AB1654 describes water shortage planning elements. The bill does not require a Water Shortage Contingency Plan, and instead would continue existing water shortage analysis measures with minor modifications and periodic reporting to DWR.</p> <p>Passed through the Assembly.</p> <ul style="list-style-type: none"> Does not require a WSCP. Consistent with the Framework. Would allow suppliers to develop group or regional reports. Requires report to DWR on status of suppliers for current year by June 15. If inadequate supply, provide a Water Shortage Contingency Analysis (WSCA). DWR would develop portal for reports and provide access to the Board. . Adds definition of "emergency supply" (water available when shortages occur). 	<p>AB 1000 includes requirements for the Energy Commission to certify water conservation technologies. AB1667 is similar to the TBL for AWMPs. AB1668 is similar to the TBL for WSCPs and drought risk assessments. AB1669 is similar to the TBL for standards and targets.</p> <p>Only AB 1667 & 1668 (Friedman) passed through the Assembly.</p> <ul style="list-style-type: none"> Consistent with the Framework and TBL.

CA Legislative Bills on "Making Conservation a Way of Life"

Bill Number	Author	Title	Short Description
AB 869	Rubio	Sustainable Water Use and Demand Reduction: Recycled Water	Exempts recycled water from urban water use targets
AB 968	Rubio	Urban Water Use: Water Efficiency	A 25% reduction by 2025 long term efficiency bill
AB 1000	Friedman	Water Conservation: Performance Standards for Water Meters	Authorizes State Energy Resources Conservation Development Commission to adopt performance standards for water metering
AB 1323	Weber	Sustainable Water Use and Demand Reduction: Stakeholder Workgroup	Sets up a stakeholder group to work with DWR to develop future recommendations on long term water efficiency
AB 1654	Rubio	Water Shortage: Urban Water Management Planning	Water shortage contingency planning best practices
AB 1667	Friedman	Agricultural Water Management Planning	Agricultural portions of trailer bill
AB 1668	Freidman	Water Management Planning	WSCP & UWMP sections of trailer bill
AB 1669	Friedman	Urban Water Conservation Standards and Use Reporting	Urban water use targets portion of trailer bill