

EXECUTIVE ORDER B-37-16
MAKING WATER CONSERVATION A CALIFORNIA WAY OF LIFE

WHEREAS California has suffered through a severe multi-year drought that has threatened the water supplies of communities and residents, devastated agricultural production in many areas, and harmed fish, animals and their environmental habitats; and

WHEREAS Californians responded to the drought by conserving water at unprecedented levels, reducing water use in communities by 23.9% between June 2015 and March 2016 and saving enough water during this period to provide 6.5 million Californians with water for one year; and

WHEREAS severe drought conditions persist in many areas of the state despite recent winter precipitation, with limited drinking water supplies in some communities, diminished water for agricultural production and environmental habitat, and severely-depleted groundwater basins; and

WHEREAS drought conditions may persist in some parts of the state into 2017 and beyond, as warmer winter temperatures driven by climate change reduce water supply held in mountain snowpack and result in drier soil conditions; and

WHEREAS these ongoing drought conditions and our changing climate require California to move beyond temporary emergency drought measures and adopt permanent changes to use water more wisely and to prepare for more frequent and persistent periods of limited water supply; and

WHEREAS increasing long-term water conservation among Californians, improving water use efficiency within the state's communities and agricultural production, and strengthening local and regional drought planning are critical to California's resilience to drought and climate change; and

WHEREAS these activities are prioritized in the California Water Action Plan, which calls for concrete, measurable actions that "Make Conservation a California Way of Life" and "Manage and Prepare for Dry Periods" in order to improve use of water in our state.

NOW, THEREFORE, I, EDMUND G. BROWN JR., Governor of the State of California, in accordance with the authority vested in me by the Constitution and statutes of the State of California, in particular California Government Code sections 8567 and 8571, do hereby issue this Executive Order, effective immediately.

IT IS HEREBY ORDERED THAT:

The orders and provisions contained in my January 17, 2014 Emergency Proclamation, my April 25, 2014 Emergency Proclamation, Executive Orders B-26-14, B-28-14, B-29-15, and B-36-15 remain in full force and in effect except as modified herein.

State agencies shall update temporary emergency water restrictions and transition to permanent, long-term improvements in water use by taking the following actions.

USE WATER MORE WISELY

1. The State Water Resources Control Board (Water Board) shall, as soon as practicable, adjust emergency water conservation regulations through the end of January 2017 in recognition of the differing water supply conditions across the state. To prepare for the possibility of another dry winter, the Water Board shall also develop, by January 2017, a proposal to achieve a mandatory reduction in potable urban water usage that builds off of the mandatory 25% reduction called for in Executive Order B-29-15 and lessons learned through 2016.
2. The Department of Water Resources (Department) shall work with the Water Board to develop new water use targets as part of a permanent framework for urban water agencies. These new water use targets shall build upon the existing state law requirements that the state achieve a 20% reduction in urban water usage by 2020. (Senate Bill No. 7 (7th Extraordinary Session, 2009-2010).) These water use targets shall be customized to the unique conditions of each water agency, shall generate more statewide water conservation than existing requirements, and shall be based on strengthened standards for:
 - a. Indoor residential per capita water use;
 - b. Outdoor irrigation, in a manner that incorporates landscape area, local climate, and new satellite imagery data;
 - c. Commercial, industrial, and institutional water use; and
 - d. Water lost through leaks.

The Department and Water Board shall consult with urban water suppliers, local governments, environmental groups, and other partners to develop these water use targets and shall publicly issue a proposed draft framework by January 10, 2017.

Appendix A

3. The Department and the Water Board shall permanently require urban water suppliers to issue a monthly report on their water usage, amount of conservation achieved, and any enforcement efforts.

ELIMINATE WATER WASTE

4. The Water Board shall permanently prohibit practices that waste potable water, such as:
 - Hosing off sidewalks, driveways and other hardscapes;
 - Washing automobiles with hoses not equipped with a shut-off nozzle;
 - Using non-recirculated water in a fountain or other decorative water feature;
 - Watering lawns in a manner that causes runoff, or within 48 hours after measurable precipitation; and
 - Irrigating ornamental turf on public street medians.
5. The Water Board and the Department shall direct actions to minimize water system leaks that waste large amounts of water. The Water Board, after funding projects to address health and safety, shall use loans from the Drinking Water State Revolving Fund to prioritize local projects that reduce leaks and other water system losses.
6. The Water Board and the Department shall direct urban and agricultural water suppliers to accelerate their data collection, improve water system management, and prioritize capital projects to reduce water waste. The California Public Utilities Commission shall order investor-owned water utilities to accelerate work to minimize leaks.
7. The California Energy Commission shall certify innovative water conservation and water loss detection and control technologies that also increase energy efficiency.

STRENGTHEN LOCAL DROUGHT RESILIENCE

8. The Department shall strengthen requirements for urban Water Shortage Contingency Plans, which urban water agencies are required to maintain. These updated requirements shall include adequate actions to respond to droughts lasting at least five years, as well as more frequent and severe periods of drought. While remaining customized according to local conditions, the updated requirements shall also create common statewide standards so that these plans can be quickly utilized during this and any future droughts.
9. The Department shall consult with urban water suppliers, local governments, environmental groups, and other partners to update requirements for Water Shortage Contingency Plans. The updated draft requirements shall be publicly released by January 10, 2017.

Appendix A

10. For areas not covered by a Water Shortage Contingency Plan, the Department shall work with counties to facilitate improved drought planning for small water suppliers and rural communities.

IMPROVE AGRICULTURAL WATER USE EFFICIENCY AND DROUGHT PLANNING

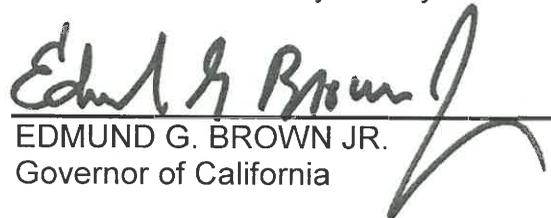
- 11. The Department shall work with the California Department of Food and Agriculture to update existing requirements for Agricultural Water Management Plans to ensure that these plans identify and quantify measures to increase water efficiency in their service area and to adequately plan for periods of limited water supply.
- 12. The Department shall permanently require the completion of Agricultural Water Management Plans by water suppliers with over 10,000 irrigated acres of land.
- 13. The Department, together with the California Department of Food and Agriculture, shall consult with agricultural water suppliers, local governments, agricultural producers, environmental groups, and other partners to update requirements for Agricultural Water Management Plans. The updated draft requirements shall be publicly released by January 10, 2017.

The Department, Water Board and California Public Utilities Commission shall develop methods to ensure compliance with the provisions of this Executive Order, including technical and financial assistance, agency oversight, and, if necessary, enforcement action by the Water Board to address non-compliant water suppliers.

This Executive Order is not intended to, and does not, create any rights or benefits, substantive or procedural, enforceable at law or in equity, against the State of California, its agencies, departments, entities, officers, employees, or any other person.

I FURTHER DIRECT that as soon as hereafter possible, this order be filed in the Office of the Secretary of State and that widespread publicity and notice be given of this order.

IN WITNESS WHEREOF I have hereunto set my hand and caused the Great Seal of the State of California to be affixed this 9th day of May 2016.


EDMUND G. BROWN JR.
Governor of California

ATTEST:

ALEX PADILLA
Secretary of State

EXECUTIVE ORDER B-37-16
Making water conservation a California way of life

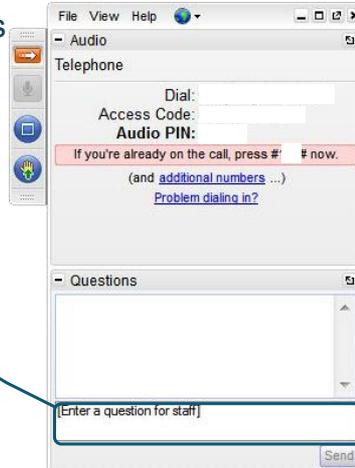
Urban Advisory Group

August 15, 2016



Webinar Control Panel – Providing Comments

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WEBINAR ORIENTATION

If you have technical difficulties, contact Emily Adams: eadams@ccp.csus.edu

This is a listen-only Webinar. We will not have time to respond to comments in real-time today, but they will be included in the meeting summary. You can also submit comments to wue@water.ca.gov.

Appendix B

Information and materials available at:
www.water.ca.gov/wateruseefficiency/conservation/

Meeting Materials also available at:
<http://www.water.ca.gov/calendar/>

Submit Comments to: wue@water.ca.gov

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Making Water Conservation a California Way of Life

Governor Brown Issues Order to Continue Water Savings as Drought Persists
 Executive Order B-37-16 - *Making Water Conservation a California way of Life*
 Director Mark Cowin's Remarks for the Release of Executive Order B-37-16

Executive Order
 On May 9, 2016 the Governor announced **Executive Order B-37-16**. This EO continues to build on the conservation accomplished during the drought and the implementation of Actions One and Five of the Governor's **California Water Action Plan**.

The new Executive Order calls for water use efficiency improvements that include:

- Developing new urban water use targets that generate more water conservation than existing SBX7-7 requirements

Water Use Efficiency
 » Executive Order

Contact Us
 WUE@water.ca.gov

Follow DWR on:
 f t y

Scroll Down for Schedule and Materials

MEETING OBJECTIVES

- Review UAG Charge
- Overview of EO Directives and EO State Agencies' Approach
 - Eliminate Water Waste
 - Strengthen Local Drought Resilience
 - Use Water More Wisely
 - Reporting, Compliance, & Enforcement
- Discuss and Confirm UAG Work Plan

AGENDA OVERVIEW

- Opening Remarks
- Overview of EO Directives
- UAG Charge
- EO Directives:
 - Eliminate Water Waste
 - Strengthen Local Drought Resilience
 - Use Water More Wisely
 - Reporting, Compliance, & Enforcement
- UAG Work Plan & Technical Workgroups
- Next Steps

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EO B-37-16 | OVERVIEW

- ❖ Eliminate Water Waste
- ❖ Strengthen Local Drought Resilience
- ❖ Use Water More Wisely
- ❖ Improve Agricultural Water Use Efficiency and Drought Planning (AAG)
- ❖ Reporting, Compliance, & Enforcement

USE WATER MORE WISELY

- New water use targets, based on standards for
 - Indoor water use
 - Outdoor landscape irrigation
 - Commercial, industrial and institutional (CII) water use
 - Distribution system water losses
- Water use targets to go beyond 20% reduction in per capita urban water use (SB X7-7 of 2009)
- Customized to fit unique conditions of each water supplier
- Generate more statewide water conservation than existing requirements

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ELIMINATE WATER WASTE

- Water Board to permanently prohibit wasteful practices
- DWR and Water Board shall direct actions to minimize water system leaks
- CPUC to order IOUs to accelerate work to minimize leaks
- CEC to certify innovative water conservation and water loss detection and control technologies that also increase energy efficiency

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STRENGTHEN LOCAL DROUGHT RESILIENCE

- Strengthen requirements for Water Shortage Contingency Plans (WSCPs)
 - Respond to droughts lasting at least five years
 - Create common statewide standards so these plans can be quickly utilized in this and future droughts.
- Working with counties to improve drought planning for small water suppliers and rural communities

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IMPROVE AGRICULTURAL WATER USE EFFICIENCY AND DROUGHT PLANNING

- Update existing AWMP requirements
 - Identify and quantify measures to increase water efficiency
 - Adequately plan for water shortages
 - Extend AWMP requirements to all agricultural water suppliers with over 10,000 irrigated acres of land

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REPORTING, COMPLIANCE, AND ENFORCEMENT

To ensure compliance with these new targets and water management plan requirements, DWR, the SWRCB and the CPUC will work together to develop methods to ensure compliance which could include:

- *Technical assistance*
- *Incentives*
- *Financial assistance*
- *Agency oversight*
- *Enforcement action, by Water Board if necessary*

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EO DELIVERABLES & TIMELINES

- Public Report released January 10, 2017
- Report to include:
 - Proposed draft Long-Term Water Use Efficiency Framework
 - Proposed draft water use targets
 - Updated draft requirements for Water Shortage Contingency Plans
 - Updated draft requirements for Agricultural Water Management Plans
 - Proposed reporting, compliance and enforcement mechanisms
- Status update on other EO directives

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EXECUTIVE ORDER STAKEHOLDER PROCESS

- Stakeholders include urban and agricultural water suppliers, local governments, agricultural producers, environmental groups, and others

- New EO stakeholder groups
 - Urban Advisory Group
 - Agricultural Advisory Group

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EXECUTIVE ORDER B-37-16 URBAN ADVISORY GROUP

- Send additional thoughts and comments to wue@water.ca.gov

- Check EO website for updated information at www.water.ca.gov/wateruseefficiency/conservation/

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EO OVERVIEW: CLARIFYING QUESTIONS

- UAG
- Public

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UAG CHARGE

UAG CHARGE

- UAG Purpose and Scope
- UAG Membership
- Roles and Responsibilities:
 - Agency Team
 - Project Leads Team
 - Project Teams
 - Advisory Groups
 - Technical Workgroups
- UAG Input
- EO B-37-16 Public Process

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ELIMINATE WATER WASTE

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ELIMINATE WATER WASTE: EO DIRECTIVES

- **EO 4:** Water Board shall permanently prohibit practices that waste water.
- **EO 5:** Water Board and DWR shall take actions to minimize system leaks that waste large amounts of water. Drinking Water State Revolving Fund will be utilized.
- **EO 6:** Water Board and DWR shall direct urban and agricultural water suppliers to accelerate data collection, improve water system management, and prioritize capital projects to reduce water waste. CPUC shall order investor-owned water utilities to accelerate work to minimize leaks.
- **EO 7:** CEC shall certify innovative water conservation and water loss detection and control technologies that also increase energy efficiency.

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ELIMINATE WATER WASTE: LISTENING SESSIONS FEEDBACK

- Local agencies have efforts underway to reduce leaks, and the current initiative can support and enhance those efforts.
- Funding and technical assistance for leak detection and repair should be made available.
- There needs to be a prioritization of water loss needs.
- Water loss data collection and reporting metrics need to be considered.

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ELIMINATE WATER WASTE: **PROPOSED APPROACH**

- Codify Water Use Prohibitions in CA Code of Regulations (EO 4 - Water Board)
- Identify programs, funding, and activities already in place to reduce water waste (EO 5 - all agencies)
- Review water loss audits from urban water management plans to identify and prioritize funding for urban retail water suppliers with higher water losses (EO 5 - DWR and Water Board)
- Identify important metrics and reporting requirements

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ELIMINATE WATER WASTE: **PROPOSED APPROACH (CONTD.)**

- Direct urban and agricultural water suppliers to accelerate data collection to minimize leaks (EO 6 - DWR & Water Boards)
- Order investor-owned utilities to accelerate work to minimize leaks (EO 6 - CPUC)
- Proceed towards certifying innovative water conservation and water loss detection and control technologies that also increase energy efficiency (EO 7 - CEC)

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ELIMINATE WATER WASTE: DISCUSSION QUESTIONS

- What actions should the State and/or urban water suppliers take to accelerate leak detection and repair?
- How can the State Agencies contribute or support local efforts to identify leaks and reduce related potable water loss through leaks?
- What key data should urban water suppliers be responsible to develop, and what data should the State provide?

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ELIMINATE WATER WASTE: UAG

- Proposed Charge:
 - Suggest ways of accelerating water waste reduction
 - Discuss how local agency water loss needs can be prioritized
 - Assist in identifying key water loss metrics and reporting requirements

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ELIMINATE WATER WASTE: OPEN DISCUSSION

- UAG
- Public Comment

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STRENGTHEN LOCAL DROUGHT RESILIENCE

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WATER SHORTAGE CONTINGENCY PLANS BACKGROUND

- **Water Use Planning During “Normal” & Drought Years**
 - **Urban Water Management Plans, to be updated 2015**
 - **Water Shortage Contingency Plans**
- California Water Code (CWC), as part of the Urban Water Management Planning Act (UMWPA), states:
 - *CWC Section 10632. (a) The plan shall provide an urban water shortage contingency analysis that includes each of the following elements that are within the authority of the urban water supplier.*
 - an “urban water supplier,” defined as a “supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually” (CWC §10617)

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WATER SHORTAGE CONTINGENCY PLANS BACKGROUND (CONTD.)

- What contingency are WSCP?
- How do they relate to Urban Water Management Plans
- Include local water conditions
- Identify water shortage stages and implementation

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STRENGTHEN LOCAL DROUGHT RESILIENCE: EO DIRECTIVES

- **EO 8:** To strengthen requirements for WSCPs, assuring water purveyors plan for droughts lasting at least five years, as well as more frequent and severe periods of drought (DWR)
- **EO 10:** To work with counties to facilitate improved drought planning for small water suppliers and rural communities (DWR)

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STRENGTHEN LOCAL DROUGHT RESILIENCE: LISTENING SESSIONS FEEDBACK

- Provide flexibility in local contingency planning
- All local WSCPs could include a portfolio of measures from which suppliers can implement, depending upon the supplier's situation.
- Drought resilience should incorporate both supply diversification and demand management approaches.
- Local drought management necessitates a comprehensive approach that requires balancing various customer group demands, finances, supply management, and risk.

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STRENGTHEN LOCAL DROUGHT RESILIENCE: PROPOSED APPROACH

- Develop recommendations for meeting the EO 8 directive based upon analysis, interviews, stakeholder input, and professional experience
 - Draft requirements for updating WSCPs in January 10th report
 - Include recommendations towards common standards and prepare for a drought of at least five years
 - Improve connection between long term planning and near-term shortage risk assessment
 - Improve shortage response mechanisms and accountability
 - Perform an analysis of a sample of 2010 and 2015 WSCPs and interview the purveyors to understand effectiveness of current approaches
- Establish county advisory work group to inform development of county-based water shortage planning (EO 10)

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STRENGTHEN LOCAL DROUGHT RESILIENCE: DISCUSSION QUESTIONS

- After five years of drought conditions, how can water shortage contingency plans requirements be improved and strengthened to make the plans a more effective tool for urban water suppliers to respond to future droughts?
- Which elements of a water shortage contingency plan requirements are conducive for developing uniform statewide standards, and which requirements should be more flexible to account for local conditions?
- How can small supplier and rural community drought planning be improved and strengthened?

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STRENGTHEN LOCAL DROUGHT RESILIENCE: TECHNICAL WORKGROUPS

- Proposed Charge:
 - Members will consult and advise EO State Agencies project team on draft recommendations for updating the UWMP WSCPs.
 - A second technical group will be formed to advise and consult the development of County WSCPs.

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STRENGTHEN LOCAL DROUGHT RESILIENCE: OPEN DISCUSSION

- UAG
- Public Comment

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USE WATER MORE WISELY

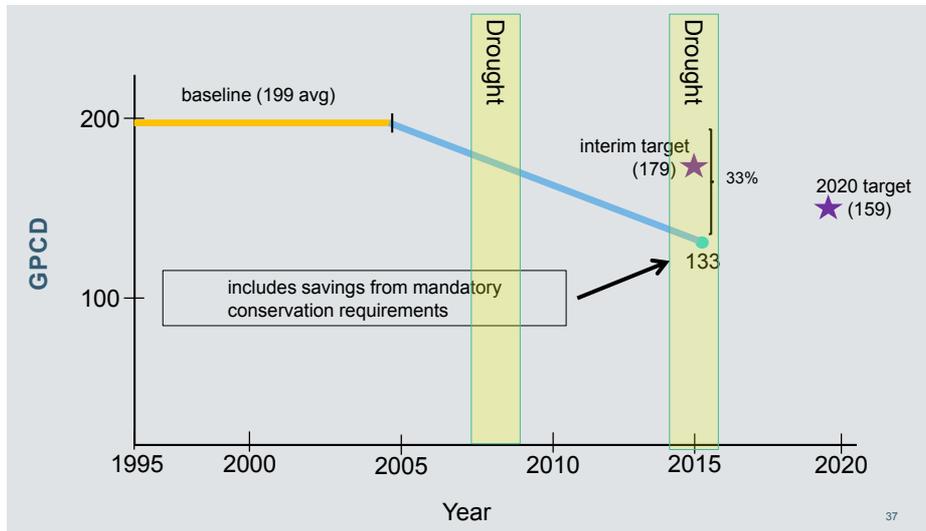
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WATER USE TARGETS BACKGROUND

- 2009 – SB X7-7 enacted-
 - First water use target requirement
 - Set statewide goal to reduce per capita water use by 20% by 2020
 - Water suppliers selected one of 4 methods to set individual target
 - Suppliers document compliance in 2015 and 2020

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STATEWIDE AVERAGE PER CAPITA URBAN WATER USE



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EO B-37-2016 USE WATER WISELY ACTIONS

Governor Brown released Executive Order B-37-16 to continue conservation momentum from current drought.

3 actions under Use Water Wisely:

- 1) Adjust emergency conservation regulation
- 2) Develop new water use targets based on strengthened standards for:
 - Indoor residential
 - Outdoor landscape
 - CII water use
 - Water lost through leaks
- 3) Require urban water supplier monthly reporting on a permanent basis

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USE WATER MORE WISELY: LISTENING SESSIONS FEEDBACK

- Recognize that many communities have invested heavily in WUE improvements
- New water use targets should take variable geography, populations, and infrastructure into account
- CII use is variable by community; standards should consider that variability
- There are benefits to regional alliances; consider how water use targets and standards can facilitate alliances
- Reporting should be efficient and streamlined

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LISTENING SESSION FEEDBACK

- State can help develop outdoor water use standard through data, technical assistance
 - State should consider how remote sensing data take local and regional differences into account (tree canopy, etc.)
- Set achievable water use targets - understand what measures suppliers will have to take to reach the water use target

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USING STANDARDS TO SET TARGETS

EO Targets build upon a composite of four components:

For Example:

| | |
|---------------------|---|
| Indoor Residential: | 55 gpcd |
| Outdoor Landscape: | 0.8 of Eto |
| CII: | 10% Reduction from baseline CII water use |
| Water Loss: | |

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TARGET

| | | |
|--------------------|------------|-----------|
| Indoor Residential | xx gallons | xx GPCD |
| Outdoor Landscape | xx | xx |
| CII | xx | xx |
| <u>Water Loss</u> | <u>xx</u> | <u>xx</u> |
| Target | xx | xx |

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USE WATER MORE WISELY: PROPOSED APPROACH

- Develop a framework for water use target requirements for long-term water use efficiency by January 10, 2017 (EO 2).
- Deliverables:
 - Plan to get urban landscape area measurement for entire state in place
 - Strengthened standards for indoor residential, outdoor irrigation, CII water use, and distribution system water loss; standards will be used to calculate water use targets unique to each supplier

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USE WATER MORE WISELY: PROPOSED APPROACH

- Evaluate existing standards
- Key Questions EO Agencies will ask in evaluation:
 1. Where is State now?
 2. What should be the long-term goal and when should it be achieved?
 3. Should CII have a volume target, BMP performance measures, a combined approach or utilize industry standards?

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USE WATER MORE WISELY:
DRAFT TARGET FRAMEWORK
PROPOSED APPROACH

Data Analysis to Answer key Questions:

- Indoor residential - study estimating current indoor GPCD and potential future reductions from plumbing codes and standards
- Outdoor Landscape - develop representative dataset of agencies with landscape area measurement and by measuring landscape area for other selected agencies
- Evaluate different CII approaches and standards

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DRAFT TARGET FRAMEWORK
PROPOSED APPROACH

- Representative set of agencies will be used to evaluate how changing water use standards would affect production volumes
- Bracket range of water use standards and water use targets using representative statewide dataset, adjust standards to achieve long term conservation goals, as needed
- Evaluate how new water use targets exceed existing requirements (SB X7-7)

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USE WATER MORE WISELY: TECHNICAL WORKGROUP

- Proposed Charge: provide technical input on data use and evaluation in developing the new water use standards and water use targets
- Membership open to water agency staff, NGOs, and other interested parties

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USE WATER MORE WISELY: OPEN DISCUSSION

- UAG
- Public Comment

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REPORTING, COMPLIANCE, & ENFORCEMENT

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REPORTING, COMPLIANCE, & ENFORCEMENT: EO DIRECTIVES

- **EO3:** The Department and Water Board shall permanently require urban water suppliers to issue a monthly report on their water usage, amount of conservation achieved, and any enforcement efforts.
- **EO:** The Department, Water Board, and CPUC shall develop methods to ensure compliance with the provisions of this Executive Order, including technical and financial assistance, agency oversight, and, if necessary, enforcement action by the Water Board to address non-compliant water suppliers.

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REPORTING, COMPLIANCE, & ENFORCEMENT: LISTENING SESSIONS FEEDBACK

- Enforcement should be reasonable
- Reporting should be coordinated and streamlined
- Technical and financial assistance are important

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REPORTING, COMPLIANCE, & ENFORCEMENT: **PROPOSED APPROACH**

- **Focus Areas:**
 - Water Shortage Contingency Plans
 - Ag Water Management Plans
 - Urban Water Use Targets
- Different reporting requirements and enforcement for plans and efficiency-based water use targets
 - Framework in January 10th report to include:
 - What type of data is collected, and where
 - Who manages data collection system
 - Frequency
 - Primary agency responsible for review
 - Process for addressing non-compliance

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REPORTING, COMPLIANCE, & ENFORCEMENT: DISCUSSION QUESTIONS

- Should there be a different RCE approach to water management plans, water shortage contingency plans, and efficiency target reporting?
- What role can technical assistance and financial support play in supporting compliance?

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REPORTING, COMPLIANCE, & ENFORCEMENT: OPEN DISCUSSION

- UAG
- Public Comment

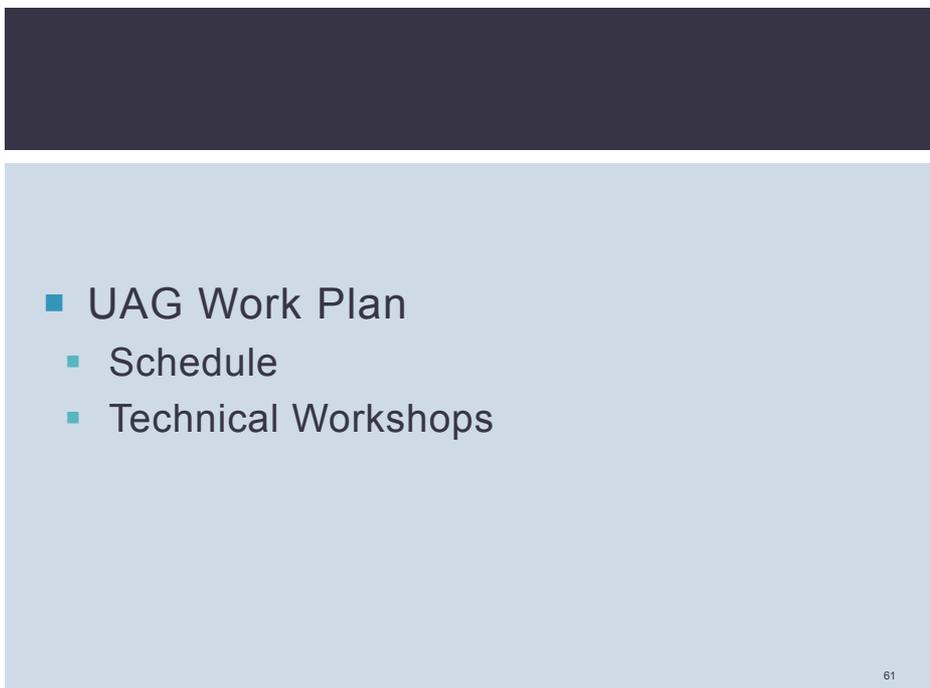
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UAG

- ❖ Work Plan
- ❖ Technical Workgroups

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UAG Work Plan

- Schedule
- Technical Workshops

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DISCUSSION

- ❖ UAG
- ❖ Public Comment

NEXT STEPS

THANK YOU!

- If you have questions, please contact:
 - Peter Brostrom, DWR, Peter.Brostrom@water.ca.gov,
 - Erik Ekdahl, Water Boards, erik.ekdahl@waterboards.ca.gov, or
 - Stephanie Lucero, CCP, slucero@ccp.csus.edu.

Executive Order B-37-16 Urban Advisory Group Charge August 10, 2016

Background

On May 9, 2016, Governor Brown issued Executive Order B-37-16 (EO B-37-16). EO B-37-16 builds on temporary statewide emergency water restrictions to establish longer-term water conservation measures, including permanent monthly water use reporting, new permanent water use standards in California communities and bans on wasteful water use practices. EO B-37-16 calls for the Department of Water Resources (DWR), the California State Water Resources Control Board (Water Board), and the California Department of Food and Agricultural (CDFA), in coordination with the California Public Utilities Commission (CPUC), and California Energy Commission (CEC) (collectively “EO State Agencies”) to seek input from stakeholders on implementation of EO B-37-16.

Urban Advisory Group Purpose:

The EO State Agencies formed the Urban Advisory Group (UAG) as part of the EO B-37-16 public process. The UAG shall provide input and advice on EO State Agencies’ recommendations and approaches regarding EO directives applicable to urban water use.

Scope of UAG

The EO B-37-16 directs the EO State Agencies to consult with stakeholders in implementation of the following Projects: Use Water More Wisely, Strengthen Local Drought Resilience, and Eliminate Water Waste, and Report Preparation.

UAG Membership

The UAG membership was determined by the EO State Agencies and approved by the Office of the Governor. See Attachment 1 for a list of UAG members.

Roles and Responsibilities

EO State Agency Team (AT): The AT consists of EO State Agencies management-level representatives. The purpose of the AT is to ensure consistent agency coordination and continuity in implementation of the EO B-37-16 requirements and make final EO implementation decisions.

Project Leads Team (PLT) –The PLT consists of agency representatives responsible for overall Project work plan. The PLT provides guidance to Project Teams, updates the AT of progress, and develops documents for AT and UAG review.

Project Teams and Subprojects – Project Teams and Subproject teams provide project oversight, develop initial drafts of recommendations for review by PLT and AT. Project

Teams manage day-to-day operations, and may help with authoring portions of the EO Final Report sections.

UAG Members -- will consult and advise EO State Agencies on draft recommendations and EO implementation materials. They will provide honest perspectives, representing a broad scope of California interests impacted by EO B 37-16 requirements. UAG members will participate in UAG meetings consistently.

Technical Workgroups -- The EO State Agencies may need to meet in smaller groups between UAG meetings about a certain topic or issue. Such groups will be known as “Technical Workgroups.” Technical Workgroups will work with Project Teams on their topics. In order to ensure an acceptable range of perspectives on the Technical Workgroups, members outside the UAG may be specifically invited to serve on the Technical Workgroup by the Project Teams, AT or facilitators. In lieu of Technical Workgroups, Project Teams may hold Technical Workshops that will be open to the public.

Facilitators -- Serve as professional neutrals and will manage dialogue in meetings and oversee the provisions of this Charge. They will design, implement and refine (as needed) the collaborative process; and facilitate UAG meetings and technical workgroup meetings as necessary.

UAG Input

The UAG shall consult with and provide input to the EO State Agencies at the UAG meetings. Facilitator will periodically ask for an informal “straw poll” of the group’s perspective. Answers to this straw poll are used for the purpose of developing the dialogue and are not binding. EO State Agencies will benefit from the review comments and information exchange as it prepares implementation of the EO B-37-16. The EO State Agencies may accept, modify, or seek an alternate direction from the advice of the UAG as they prepare documents or final products.

Open Process

All UAG meetings shall be open to the public and offer a designated time for public comment. Members of the public are expected to adhere to the same ground rules as UAG members.

ATTACHMENT 1 UAG Membership List

| | |
|---|-------------------|
| Association of California Water Agencies | Cindy Tuck |
| Building Industry Association | Richard Lyon |
| Calaveras County Water District | Dave Eggerton |
| California American Water Co. | Rob MacLean |
| California Building Owners and Managers Association | Matthew Hargrove |
| California Landscape Contractors Association | Peter Estournes |
| California League of Food Processors | Trudi Hughes |
| California State Association of Counties | Cara B. Martinson |
| California Water Association | Jack Hawks |
| Climate Resolve | Jonathan Parfray |
| Clovis, City of | Lisa Koehn |
| Coachella Valley Water District | Jim Barrett |
| Community Water Center | Laurel Firestone |
| East Bay Municipal Utility District | Alex Coate |
| Fresno, City of | Tommy Esqueda |
| Inland Empire Utilities Agency | Martha Davis |
| League of California Cities | Chris McKenzie |
| Los Angeles Dept. of Water and Power | Penny Falcon |
| Metropolitan Water District | Deven Upadhyay |
| Moulton Niguel Water District | Joone Lopez |
| Municipal Water District of Orange County | Joe Berg |
| Natural Resources Defense Council | Tracy Quinn |
| Pacific Institute | Heather Cooley |
| Rain Bird Corporation | Ron Wolfarth |
| Regional Water Authority | John Woodling |
| Sacramento, City of | Jim Peifer |
| San Diego County Water Authority | Maureen Stapleton |
| Santa Cruz Municipal Utilities | Toby Goddard |
| Santa Rosa, City of | Jennifer Burke |
| Sonoma County Water Agency | Grant Davis |
| Sweetwater Authority | Sue Mosburg |
| University of California, Davis | Frank Loge |
| University of California, Los Angeles | Stephanie Pincetl |
| WaterNow Alliance | Cynthia Koehler |
| Western Municipal Water District | John Rossi |

Project Timeline

| | | |
|------------------|-------------|---|
| June | | |
| | 6/3,6,7 | Stakeholder Listening Sessions |
| July | | Agency Team and Project Team Meetings |
| August | | |
| | | Agency Team and Project Team Meetings |
| | 8/15 | UAG Meeting #1 (Sacramento) |
| | 8/25 | AAG Meeting #1 (Sacramento) |
| | 8/31* | Water Shortage Workshop (Sacramento CA) |
| September | | |
| | | Agency Team and Project Team Meetings |
| | 9/1* | Water Shortage Workshop (Southern CA) |
| | 9/6* | Targets Workshop (Sacramento CA) |
| | 9/8* | Targets Workshop (Southern CA) |
| | 9/19 + 9/20 | UAG Meeting #2 (Southern CA) |
| | 9/26 | AAG Meeting #2 (Central Valley) |
| | | Additional Technical Workshops/Workgroup meetings (as needed) |
| October | | |
| | | Agency Team and Project Team Meetings |
| | 10/5* | SWRCB Board Workshop on EO and Implementation (UAG invited) |
| | 10/18 | AAG Meeting #3 (Sacramento) |
| | 10/20 | UAG Meeting #3(Sacramento) |
| | 10/28 | Public Draft Release |
| | 10/28 | Public Workshop on Public Draft Report |
| November | | |
| | | Agency Team and Project Team Meetings |
| | 11/7 | Public Comments Due |
| | 11/18 | UAG and AAG Webinar |
| | 11/21 | Admin Draft Release to EO State Agencies |
| December | | |
| | | Internal EO State Agency review and revisions |
| January | | |
| | 1/10 | Final Report |
| | 1/10 | Public Workshop on Final Report |

* These meetings are tentative and subject to change. Final Dates will be posted to the DWR Water Calendar. <http://www.water.ca.gov/calendar/>