



# Agricultural Advisory Group

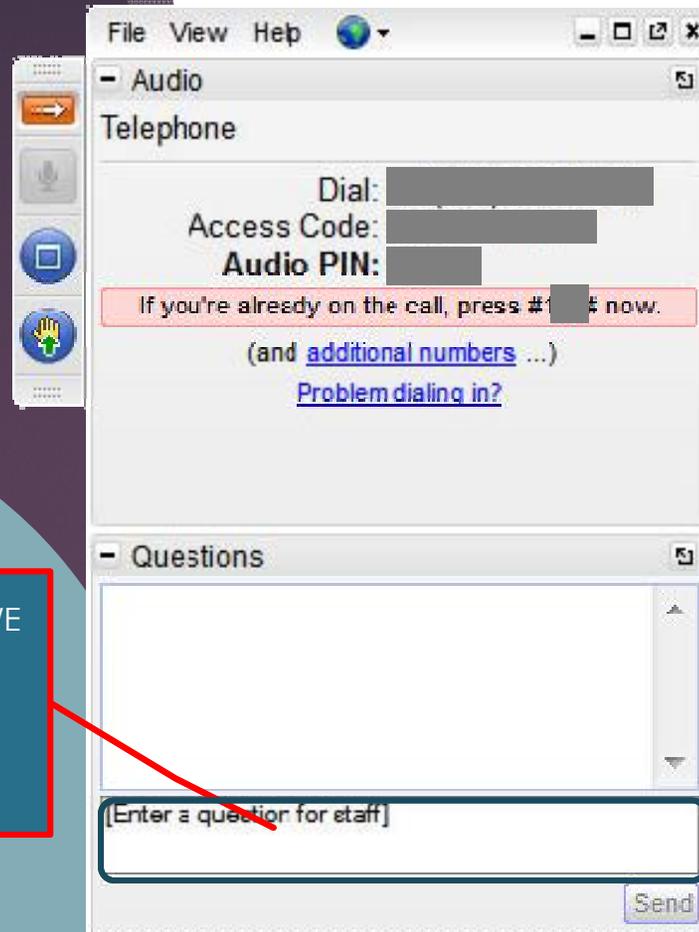
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OCTOBER 18, 2016

# Webinar Control Panel – Providing Comments

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Make sure you are unmuted on your end.



Questions entered here. WE recommend submitting comments to [agwue@water.ca.gov](mailto:agwue@water.ca.gov)

## WEBINAR ORIENTATION

*If you have technical difficulties, contact Emily Adams:  
[eadams@ccp.csus.edu](mailto: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 [AGwue@water.ca.gov](mailto:AGwue@water.ca.gov).

# Meeting Objectives

- ▶ Update on EO State Agency efforts.
- ▶ Discuss updates to draft framework to address EO Directive, “Improve Agricultural Water Use Efficiency and Drought Planning.”
- ▶ Present the Water Balance Approach.

# Agenda Overview

- ▶ Documenting Water Balances in the AWMPs
- ▶ Review Draft Content for EO Report
- ▶ Updates on Reporting, Assistance, Compliance, and Enforcement
- ▶ Changes to Annual Reporting
- ▶ Status Update on EO State Agency Efforts
  - ▶ County Water Shortage Contingency Planning

A graphic for the AAG logo consisting of a dark purple background with a teal circle on the left side. The letters 'AAG' are written in white, sans-serif font across the teal circle.

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WATER BALANCE  
APPROACH

# Agricultural Water Balance (or “Water Budget”) Examples

Dauids Engineering

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## EO FRAMEWORK FOR AWMP

# Framework for AWMP

- ▶ Proposing 2-element framework:
  1. Outcome/objective based planning
  2. Document water use and efficiency through:
    - i. Water Balances
    - ii. Calculation of water management fraction(s)
- ▶ Drought management plans as part of AWMPs
- ▶ Reporting
  - ▶ Lower reporting threshold to 10,000 acres

# AWMP Water Balance Components

## ▶ Current Requirements:

1. Surface water supplies
2. Supplier groundwater pumping
3. Service area water uses
4. Service area drainage
5. Percolation to groundwater
6. Agricultural Evapotranspiration

## ▶ Additional Requirements:

1. Precipitation
2. Private groundwater pumping

# Water Use Efficiency Fractions

- ▶ Draft Recommendation:

Suppliers estimate water use efficiency using one of the 4 water use fractions:

- ▶ Crop Consumptive use
- ▶ Agronomic Water Use
- ▶ Total Water Use
- ▶ Water Management

# Outcome/Objective Based Planning

- ▶ Based on water balances and water use fractions suppliers identify water flow paths and/or water us where water efficiency improvements can be made.
- ▶ Objective could also be an environmental
  - Stream flow and timing
  - Water quality
- ▶ Include implementation plan to achieve the outcome and objective in AWMP
  - Identify efficient water management practices
  - schedule

## Framework for AWMP - Changes

- ▶ Changes from last AAG meeting:
  - ▶ Require water suppliers to select the water fraction method that accounts for all water uses. (Section 3)

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DROUGHT PLAN

# Plan for Periods of Limited Water Supply / Drought Plan

## ► Resilience Plan

- Vulnerability to drought
- opportunities / constraints / actions to improve drought resilience
- Hydraulic levels or conditions monitored / measured
- District's policy and process
- Alternative water supplies
- Cost for implementing resilience plan

## ► Action Plan

- Water shortage allocation policies
- Operational adjustments
- Demand Management policies and incentives
- Local/regional coordination and collaboration
- Effect of drought on revenues and expenditures

# Drought Plan - Changes

- ▶ Changes from last AAG meeting:
  - ▶ Removed the 5 year drought analysis
  - ▶ Removed the drought stages requirement

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REPORTING, ASSISTANCE,  
COMPLIANCE, AND  
ENFORCEMENT

# Reporting, Assistance, Compliance, & Enforcement

- ▶ Reporting

Permanently lower AWMP threshold to 10,000 irrigated acres

# Reporting, Assistance, Compliance, & Enforcement

## ► Assistance

- AWMP Guidebook
- AWMP Workshops
- Water Use Efficiency Calculator
- CIMIS
- Recommend additional tools and resources (e.g., additional WUE factors and water balance calculator, remote sensing ETA, deep percolation models or calculators)

# Reporting, Assistance, Compliance, & Enforcement

## ► Compliance

- List of suppliers required to submit AWMPs
- DWR reviews submitted AWMPs for required elements
- DWR contacts suppliers who have not submitted
- Report non-compliant suppliers to SWRCB

## ► Enforcement

- Grant and Loan eligibility
- SWRCB enforcement actions

# Annual Reporting

- ▶ Rescind AB1404 Aggregated farm-gate delivery reporting
- ▶ Report water balance inflow and outflow components by April 1 of each year (aligned w/ SGMA reporting)
  - Surface inflow
  - Supplier's groundwater pumping in the service area
  - Effective Precipitation
  - Surface outflow
  - Deep percolation
  - When tools provided:
    - Private Groundwater pumping
    - Evapotranspiration

# Reporting, Assistance, Compliance, & Enforcement - Changes

- ▶ Changes from last AAG meeting:
  - Included information on technical assistance
  - Added more details on compliance and enforcement (Section 6)
  - Added section on changes to annual reporting requirements (Section 7)



# Jan 10, 2017 Report



## Making Conservation a Way of Life Implementing Executive Order B-37-16

January 10, 2017



Cover image for illustrative purposes only.

# Targeted Audience

*Governor's Office*

*The Legislature*

*The Public*

# Framework Report

- ▶ The EO requires release of draft framework by January 10, 2017.
- ▶ Framework will include proposed strengthened efficiency standards, updated draft WSCP requirements, updated draft Ag Management Plan, and other required elements.
  - Will identify if legislative and/or regulatory changes are needed to implement the framework
- ▶ Estimated release of public draft report in early November, 2016
  - Public comments and input received, will be considered in development of Final Report
- ▶ Final Report released January 10th, 2017
  - Public workshop following release

# EO B-37-16 | Timeline



**January 10, 2017**

- Final Report

Stakeholder Advisory Group Meetings and Workshops

Summer – Fall 2016

- Develop Approach & Draft Recommendations

November 2016

- Public Draft and Public Workshop (Nov. 4)
- Public comments Due (Nov. 14)

Next Stages

- Implement New Requirements If Applicable
- Legislative Changes If Needed

Questions?