

Public Scoping Workshop on Agricultural Irrigation Water Distribution and Use

A Joint Department of Water Resources and
Department of Food and Agriculture Project

November 16, 2015



Presentation Outline

1. DWR and CDFA roles in Agricultural Water Management
2. The Joint Program
3. Funding
4. Timeline of Activities
5. Stakeholder Feedback

DWR's Role in Agricultural Water Management

- The Department of Water Resources (DWR) is responsible for managing and protecting California's water.
- DWR works with other agencies to benefit the state's people, and to protect, restore and enhance the natural and human environments.
- Responsible for the conveyance of water to farmers through irrigation districts

DWR's Role in Agricultural Water Management

- Agricultural water use efficiency and water management planning programs as part of DWR Water Use and Efficiency Branch
- Many other DWR programs are related to agriculture

The screenshot shows the California Department of Water Resources website. The header includes the CA.GOV logo, the text 'CALIFORNIA DEPARTMENT OF WATER RESOURCES', and navigation links for HOME, NEWSROOM & EVENTS, ISSUES, and ABOUT US. A search bar and utility links for CA.gov, Help, and Accessibility are also present. The main content area is divided into several categories, with red dashed circles highlighting specific sections:

- Flood & Safety**: FloodSAFE California, Flood Risk Notification, California Flood Preparedness, Flood Management, CDEC, CVFMP, SFMP, FESSRO, All Flood & Safety Topics...
- State Water Project**: Water Deliveries, Operations Control, Water Contract Extension, Facilities, Perris Dam Seismic Remediation Project, Oroville Facilities Relicensing, All SWP Topics...
- Delta & Environment**: Climate Change, Environmental Services, IEP FESSRO, All Delta & Environment Topics...
- Supply & Use**: CA Cooperative Snow Surveys, Groundwater, Water Supply Contracts, Water Use Efficiency, Water Transfers, Air Supply/Use Topics...
- Data**: CDEC, CIMIS, Water Data Library, IEP, Groundwater Information Center, All Data Topics...
- Planning**: California Water Plan, RWQM Strategic Plan, Land and water Use, Surface Storage Investigations, Sustainable Groundwater Management, All Planning Topics...
- Funding**: Bond Accountability, BRASS, Financial Documents, Sustainable Groundwater Planning, Grant Program, Water Bond 2014 Summary, All Funding Topics...
- Drought**: Breaking Drought News, Governor's Drought Declaration, Water Conditions, Drought Background Publications.

CDFA's Role in Agricultural Water Management

- The State Water Efficiency and Enhancement Program (SWEEP) that began in 2014
- DWR is a key partner
- Authority of the Environmental Farming Act of 1995

Division 1, Part 1, Chapter 3, Article 8.5, Sections 560-568, Section 566 (a)

The department shall establish and oversee an environmental farming program. **The program shall provide incentives to farmers whose practices promote the well-being of ecosystems, air quality, and wildlife and their habitat.**

SWEEP (CDFA)

- Emergency drought legislation bill (SB 103) signed by Governor Brown on March 1, 2014.
 - \$10 million
- AB 91 allocated additional funds in March 27, 2015.
 - \$10 million
- Item 8570-001-3228 of the Budget Act of 2015 (Chapter 321, Statutes of 2015) appropriated another \$40 million dollars from the Greenhouse Gas Reduction Fund

.....to invest in irrigation and water pumping systems that **reduce water use, energy use and greenhouse gas emissions.**

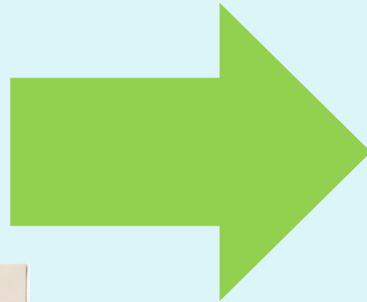
Proposition 1 (DWR)

- For 2015, \$33 million was budgeted for agricultural water use efficiency grants to implement Proposition 1 §79746(a)(2).
- **\$3 million for joint PSP** with CDFA to implement a pilot project targeting agricultural water supplier water use efficiency improvements in conjunction with on-farm improvements.
- **50% Cost Share** is required for all projects unless Disadvantaged Communities (DAC) or Economically Distressed Areas (EDA) status is claimed and documented.

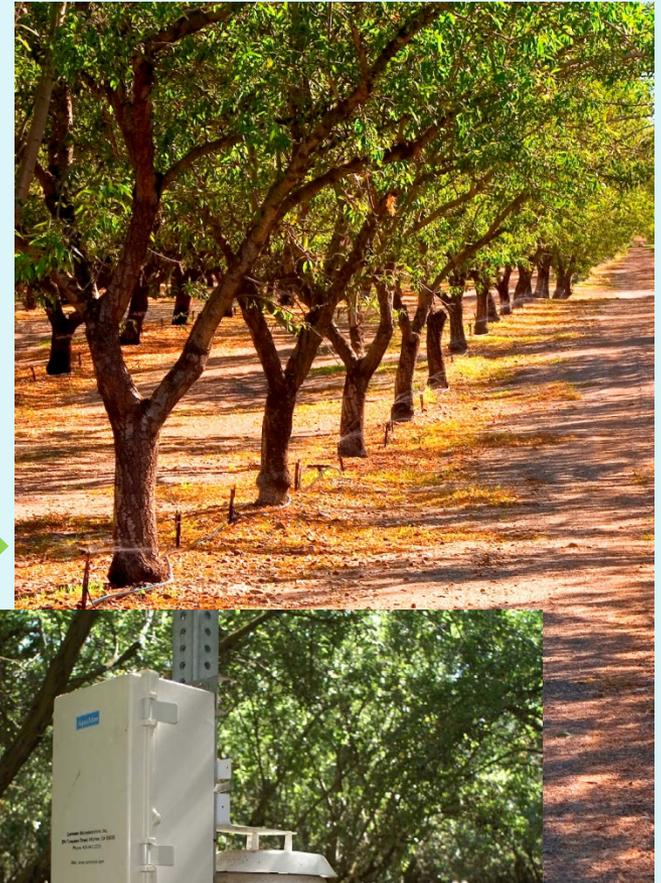
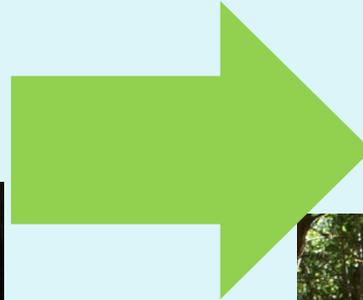
The Joint Program

- **Can we design a program to:**
 1. Incentivize the pressurization of the delivery of water to farms;
 2. Incentivize efficient on-farm water distribution systems that increase water use efficiency and reduce greenhouse gases;
 3. Both incentive pieces are connected;
 4. Irrigation district would be applicant for pressurized system and growers.

The Joint Program - DWR



The Joint Program - CDFA



The Joint Program and Funding



Conveyance

Funded by DWR

Prop 1 \$



Initial Framework

- **Program can be set up to:**
 1. One application from agricultural water supplier with farmer applications included
 2. Show significant decrease in use of groundwater pumps to reduce GHGs
 3. Water and GHG savings to be quantified by agricultural water supplier
 4. Records maintenance for minimum three years post-project
 5. Flexibility for conjunctive use

Preliminary Timeline

- Release Draft Guidelines
- Public Workshops (multiple locations statewide)
- Release Final Guidelines
- Review and rank applications received
- Announce awards
- Project implementation
- Project closeout

THANKS.....



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