

**Implementing 2009
WUE Legislation
SBX7-7**

**SWRCB WUE Workshop
July 20, 2011**



www.saveourH2O.org

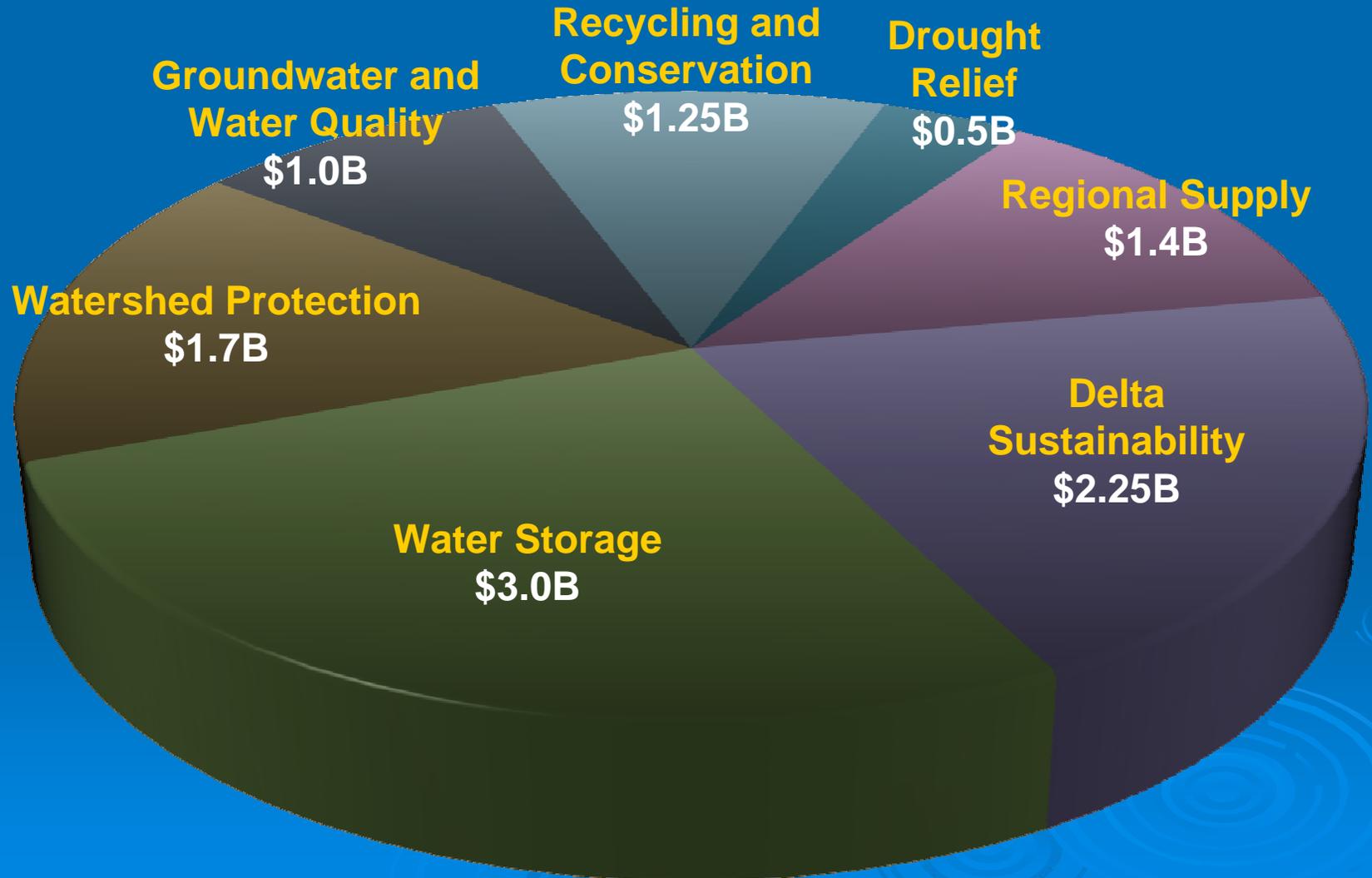
2009 Comprehensive Water Package



- Delta Management & Governance
- Urban & Agri. Water Conservation
- Groundwater Level Monitoring
- Water Rights Enforcement
- Funding for Supply Reliability



Safe, Clean, and Reliable Drinking Water Supply Act of 2010

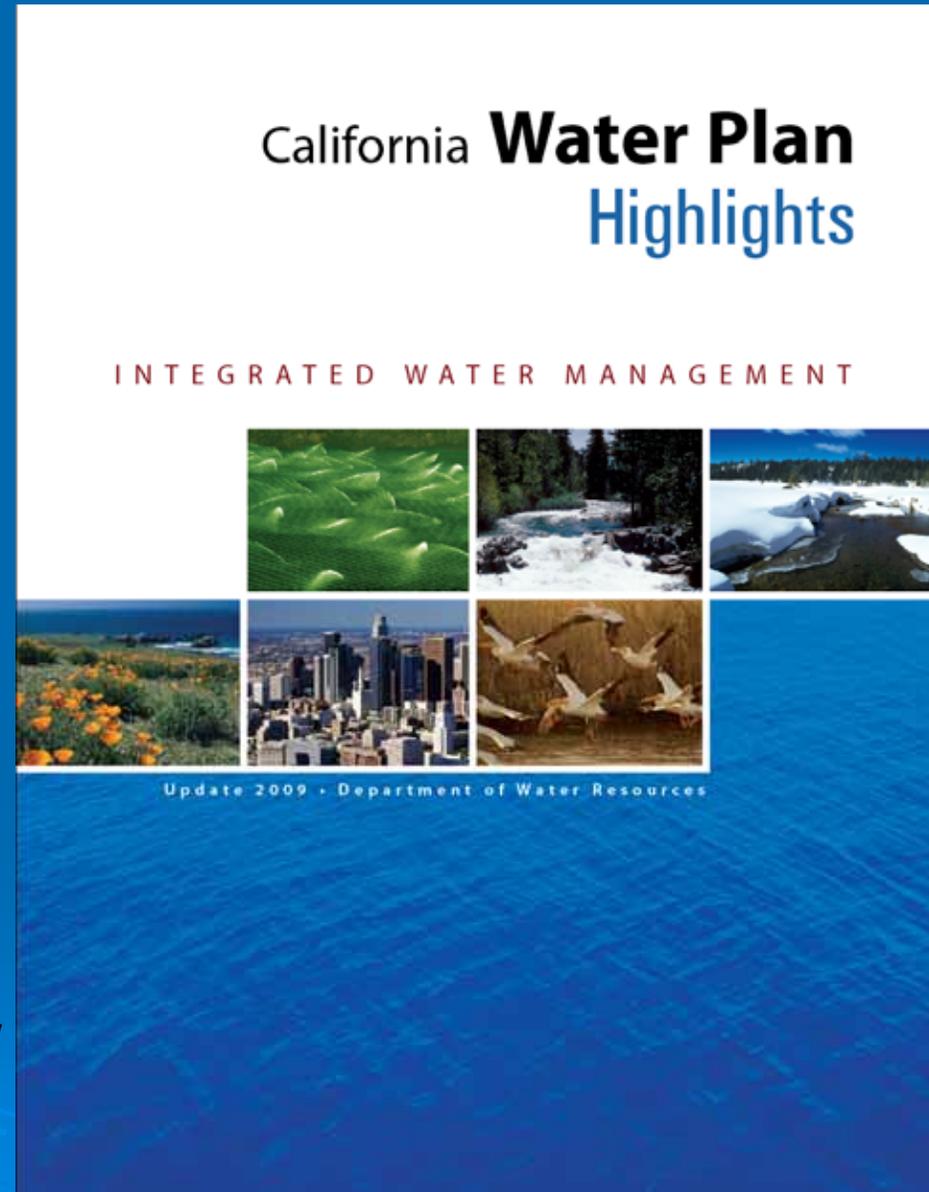


California Water Plan Update 2009

Incorporates
2009 Water Legislation

Includes WUE
Objective, Strategies &
Actions

- Visit the *Water Plan Web Portal*
www.waterplan.water.ca.gov



Statewide Water Conservation (SBx7-7)

- Statewide goal of 20% per capita water reduction in urban water use by 2020
- Requires Ag water measurement & development of Agricultural Water Management Plans
- Improve water use measurement & reporting



Water Conservation Act of 2009 Timeline 04-20-2010

| Task# | Title | 2010 | | | | 2011 | | | | 2012 | | | | 2013 | | | | 2014 | | | | 2015 | | | | 2016 | | | | | | | |
|-------|-----------------------------------------------------|-------------------|-----|-----|-----|----------------------------------------------------------------|-----|-----|-----|-------------------------|-----|-----|-----|----------------------------------------|-----|-----|-----|---------------------------------------------------------------------------|-----|-----|-----|------|-----|-----|-----|--------------------------------------|-----|-----|-----|---|--|--|--|
| | | Jan | Apr | Jul | Oct | Jan | Apr | Jul | Oct | Jan | Apr | Jul | Oct | Jan | Apr | Jul | Oct | Jan | Apr | Jul | Oct | Jan | Apr | Jul | Oct | Jan | Apr | Jul | Oct | | | | |
| U1 | CII Task Force | ◇ Convene | | | | ◇ Report Due April 1, 2012 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U2 | Project postponed (AB 1420) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U3 | Develop baseline methodologies | | | | | ◇ Post on the web October 1, 2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U4 | Develop statewide 20% reduction targets | | | | | ◇ Report due to the Legislature December 31, 2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U5 | Adopt regulations related to process water | No date spec | | | | ◇ implied deadline December 2010 (May 2011 for permanent reg) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U6 | Report on progress toward 20% reduction by 2020 | | | | | | | | | | | | | | | | | | | | | | | | | Report due Dec. 31, 2016 | | | | ◇ | | | |
| U7 | Update UWMP Guidebook | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U8 | Revise urban loan and grant criteria | | | | | | | | | | | | | | | | | | | | | | | | | Revised Criteria due by July 1, 2016 | | | | ◇ | | | |
| A1 | Quantification of agricultural water use efficiency | | | | | ◇ Report due to the Legislature December 31, 2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2 | Adopt regulations for ag water measurement | No date specified | | | | ◇ implied deadline July 2011 (December 2011 for permanent reg) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A3 | May update EWMP's | No date specified | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A4 | Report on effectiveness of EWMP's | | | | | | | | | Report Due Dec 31, 2013 | | | | ◇ | | | | Subsequent reports due December 31, 2011 and December 31, 2021 | | | | | | | | | | | | | | | |
| A5 | Report on status of AWMP's | | | | | | | | | Report Due Dec 31, 2013 | | | | ◇ | | | | Subsequent reports due in years ending in six and in years ending in one. | | | | | | | | | | | | | | | |
| A6 | AWMP Guidebook | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A7 | Revise ag loan and grant criteria | | | | | | | | | | | | | ◇ Revised Criteria due by July 1, 2013 | | | | | | | | | | | | | | | | | | | |
| B1 | Develop standardized reporting form | No date specified | | | | ◇ implied deadline December 2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B2 | Promote regional water use resource management | No date specified | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B3 | statewide targets for regional resource management | | | | | ◇ Targets to be updated by January 1, 2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

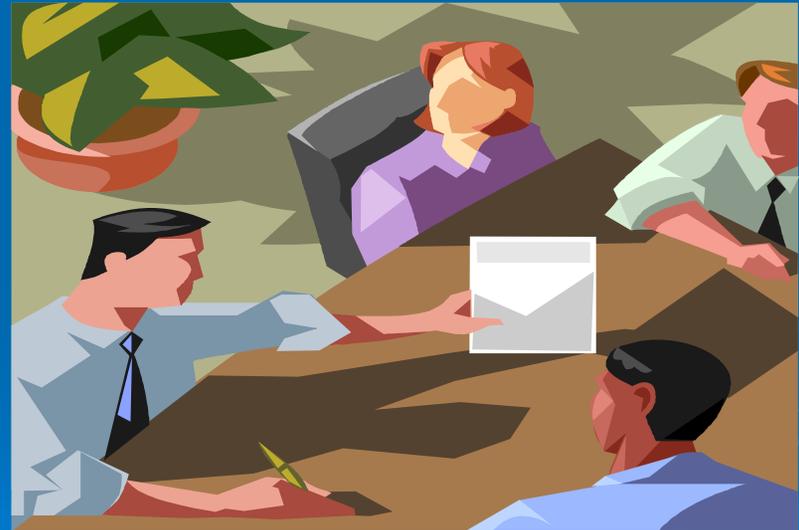
Multi-Agency Participation

- Department of Water Resources
- Department of Public Health
- State Water Resources Control Board
- Department of Food and Agriculture
- California Energy Commission
- CA Public Utilities Commission
- Delta Stewardship Council
- US Bureau of Reclamation
- USDA Natural Resources Conservation Service
- Agricultural Water Management Council
- Urban Water Conservation Council



Public Engagement Process

- Convene Urban Stakeholder Committee
- Convene Agricultural Stakeholder Committee
- Convene CII Task Force
- Hold public workshops
- Post information & comments on DWR website



www.water.ca.gov/wateruseefficiency/sb7

Urban WUE Requirements

- Urban water suppliers develop water use targets & report implementation to DWR in their UWM Plans
- DWR develops methodologies for consistent SBX7-7 implementation and reports progress to Legislature



Urban WUE Implementation

- Convene CII Task Force & Urban Stakeholder Comm.
- Develop technical methodologies
- Develop 4th target method
- Update Urban Water Management Plan Guidebook
- Adopt process water regulation
- Standardized data reporting form for urban suppliers to report targets

Urban WUE Status (1)

- CII Task Force is at work
 - Developing alternative BMPs for CII
- Developed technical methodologies, late 2010
 - Consistent implementation of 20x2020
- Developed 4th target method, early 2011
 - Alternative method to calculate 2020 target

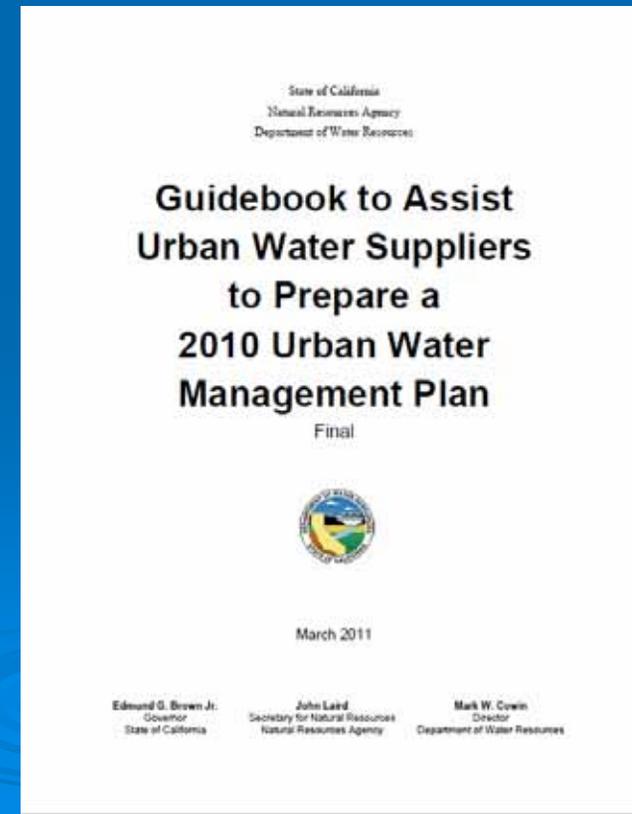


**Methodologies for Calculating
Baseline and Compliance
Urban Per Capita Water Use**

*(For the Consistent Implementation of the
Water Conservation Act of 2009)*

Urban WUE Status (2)

- **Perm industrial process water regulation, 2011**
 - Exclude process water from gross water use calculation
- **Updated UWMP Guidebook, March 2011**
- **Reports to the Legislature**
 - Method 4 Report in 2011
 - UWMP review in 2012, 2016, 2021
 - Update Method 4 in 2014



Ag WUE Requirements

➤ Adopt Ag Water Measurement Regulation

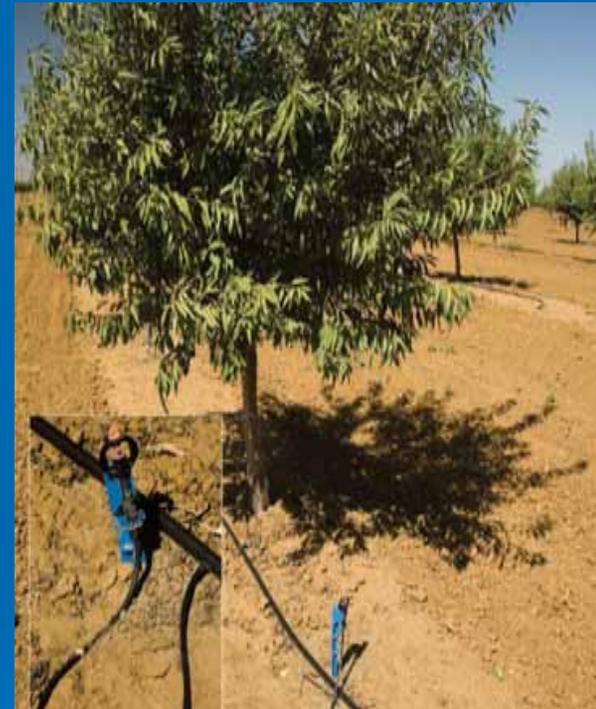
- Measure water delivered to customers

➤ Adopt Ag Water Management Plans by end 2012

- Describe EWMPs implemented or planned & estimate efficiency improvements
- Document EWMPs not implemented
- Report using standardized forms
- Submit plans to DWR (incl. Ag Council plans)

➤ Update Ag Water Management Plans

- By end 2015 and every 5 years thereafter



Ag Water Measurement Reporting (AB 1404, 2007)

- Ag water suppliers to use range of options for water measurement adopted by DWR
[Water Code Section 10608.48 (b) (1)]
- Ag water suppliers with >2,000 irrigated acres or 2,000 acre-feet per year to report annual aggregated farm-gate water deliveries to DWR
[Water Code Section 531.10]

Agricultural WUE Implementation

- Convene Ag Stakeholder Committee
- Develop agriculture efficiency quantification methods
- Adopt agricultural water measurement regulation
- Develop AWM Plan Guidebook
- Develop standard data reporting forms
- Report to Legislature in 2010, 2012, 2016
- Grant criteria by 2013 and 2016



DWR'S Responsibilities (1)

- Adopt a regulation providing a range of options for agricultural water measurement
- Develop methodology for quantifying efficiency of agricultural water use
- Develop single Standardized Water Use Reporting Form for DWR, SWRCB, CPUC, CDPH, DSC
- Revise Ag Water Management Plan requirements & develop first AWMP Guidebook

DWR'S Responsibilities (2)

- Review Water Management Plans and report to Legislature on status of plans & EWMPs (w/ SWRCB)
- Update Ag Efficient Water Management Practices (w/ SWRCB)
- Revise eligibility requirements for State water management grants and loans
- Promote regional water management practices

Agricultural WUE Status (1)

- Adopted emergency regulation for agricultural water measurement, June 2011
 - Range of option to measure water delivery
 - Performance requirements
 - Reporting requirements
- Developed draft discussion paper on methods for quantifying efficiency of Ag water use, 2011

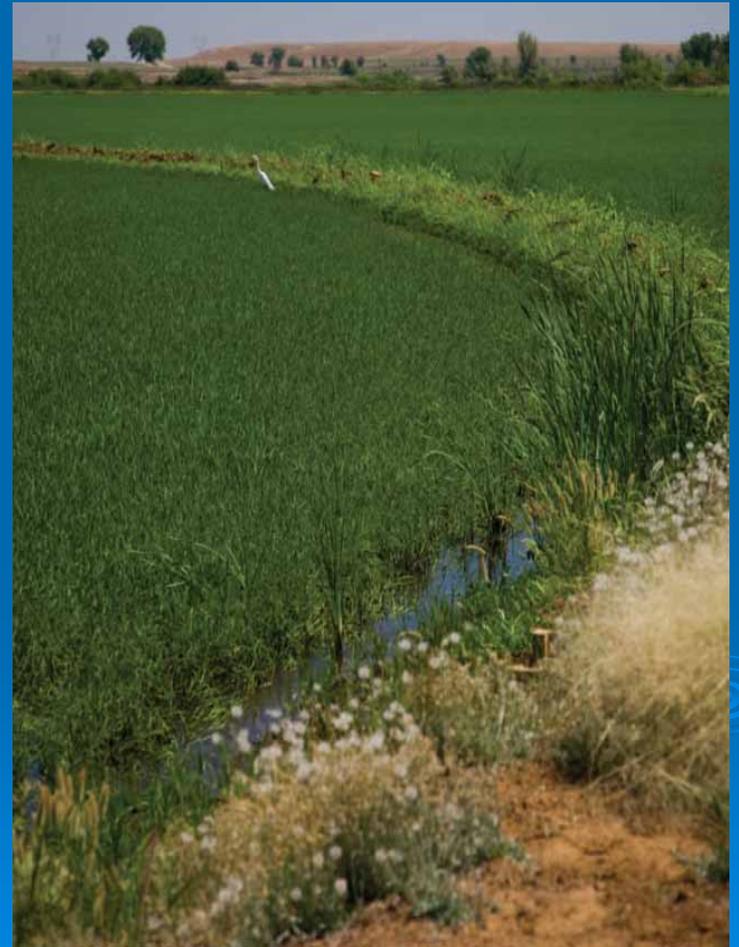


Agricultural WUE Status (2)

- Preparing draft AWM Plan Guidebook, 2011
- Developing standardized data reporting forms, 2011
- Prepared Farm-gate Water Delivery Report Form, 2011 (AB 1404)
 - Will be incorporated in standardized data reporting form
- Report to Legislature in 2013, 2016, 2021
- Revise WUE Grant criteria by 2013 & 2016

SBx7-7 Contact @ DWR

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Questions & Comments

