

Urban Water Conservation Priorities

USC Meeting

Sacramento, CA

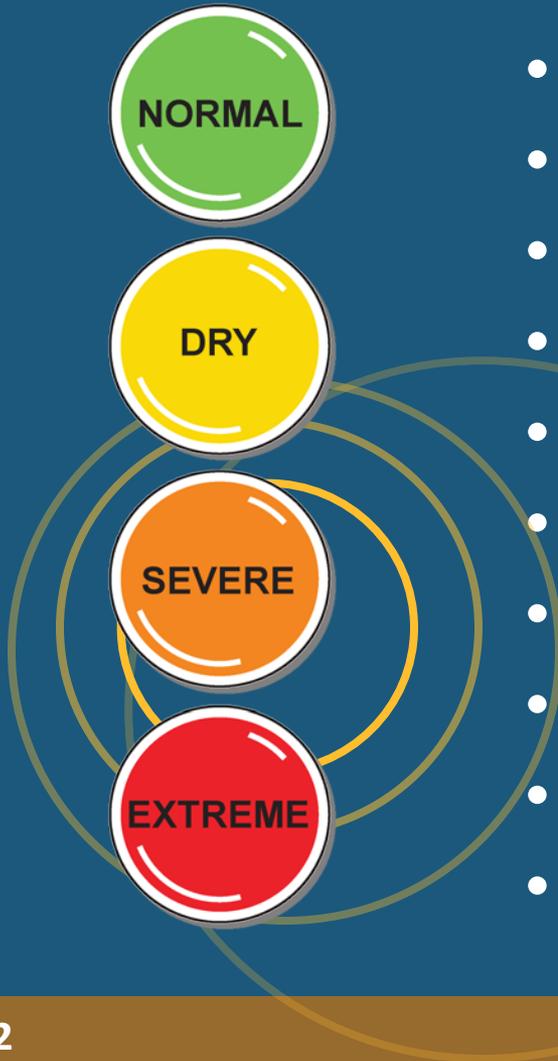
September 24, 2015

U R B A N W A T E R U S E E F F I C I E N C Y



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California's Drought



- Governor Declared Drought Emergency
- 2015 - 4th dry water year statewide
- 2014 - Warmest year on record
- 2012-2014 - Driest 3 years on record
- January 2015 – Driest in most areas
- 2015 - Warmer and dry
- Record low snowpack: zero
- Statewide storage is like 2013/14
- Groundwater basins continue to be depleted
- Local conditions are degrading
- High level of local, State, and federal coordination

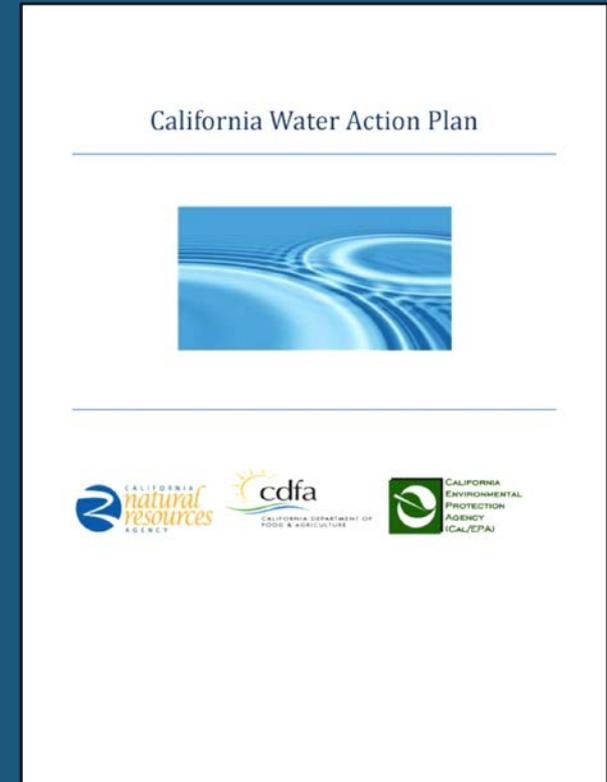
SB X7-7 Urban Water Use Efficiency Accomplishments

- Adopted methodologies
- Passed Process Water Regulation
- Completed Fourth Target Method
- Completed CII Task Force Report
- Reviewed 2010 UWMPs for compliance with methodologies
- Completed standardized reporting form
- Revised UWMP Guidebook
- Convened Independent Technical Panel (ITP) on DMMs

Governor's Water Action Plan

A Diverse Water Portfolio: 10 Priority Actions

- ❖ Make conservation a California way of life.
- ❖ Increase regional self-reliance and integrate water management across all levels of government.
- ❖ Manage and prepare for dry periods.



Make Conservation a California Way of Life

How?

- (1a) Expand Agricultural and Urban Water Conservation and Efficiency to Exceed SB X7-7 Targets.
- (1b) Provide Funding for Conservation and Efficiency.
- (1c) Increase Coordinated Water-Energy Efficiency and Greenhouse Gas Reduction Capacity.
- (1d) Promote Local Urban Conservation Ordinances and Programs.

2015 Urban Water Use Efficiency Priorities

1. Efficient Landscapes
2. Distribution System Leak Detection and Repair
3. Conservation Rate Structures
4. Urban water use data
5. Standards and targets
6. Water-Energy Efficiency and GHG reductions
7. Local water supply reliability – alternate water supplies
8. Drought Contingency Planning
9. Technical / Financial Support for Conservation and Efficiency

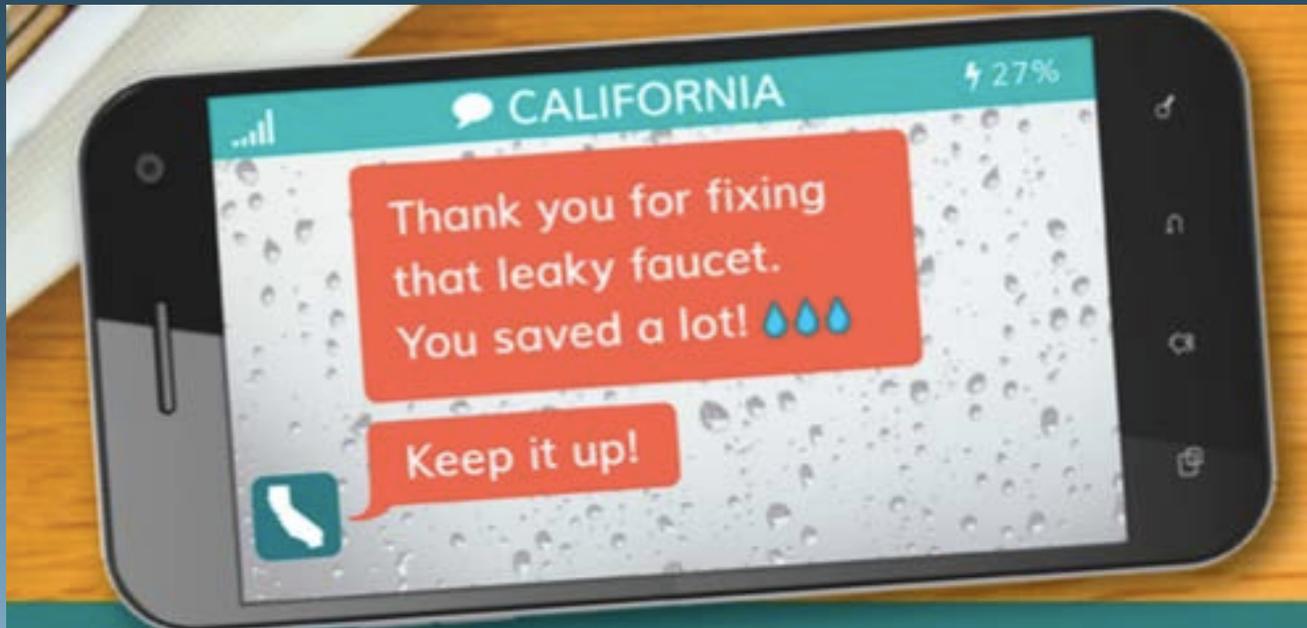
Urban Water Use Efficiency Research Needs

- What are the most important unanswered questions about urban water conservation/WUE?
- What type of water use data do we need to develop new performance metrics?
- What are the research gaps?
- How should we set research priorities?
- Which research topics/needs are most important to policymakers?

Potential Future Urban Water Use Efficiency Studies

1. End Use Studies
2. Industrial Water Use Survey
3. Accuracy of remote sensing of urban landscape area
4. Landscape water use requirements
5. MWELo implementation and assessment
6. Vacation second homes

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