This presentation premiered at WaterSmart Innovations

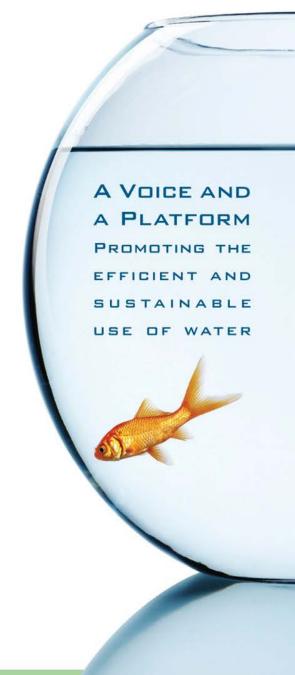
watersmartinnovations.com



The Alliance for Water Efficiency State Scorecard Project

Bill Christiansen Program Planner

Water Smart Innovations Conference October, 2011





Background

- Original State/Province Survey Project
- Funded by a grant from EPA
- Launched October, 2009
- Covered all 50 states and 13 Canadian provinces and territories
- Asked 11 standard questions
- Posted in the AWE online Resource Library
- Interest expressed during WSI 2010 spurred an update with scoring to be created



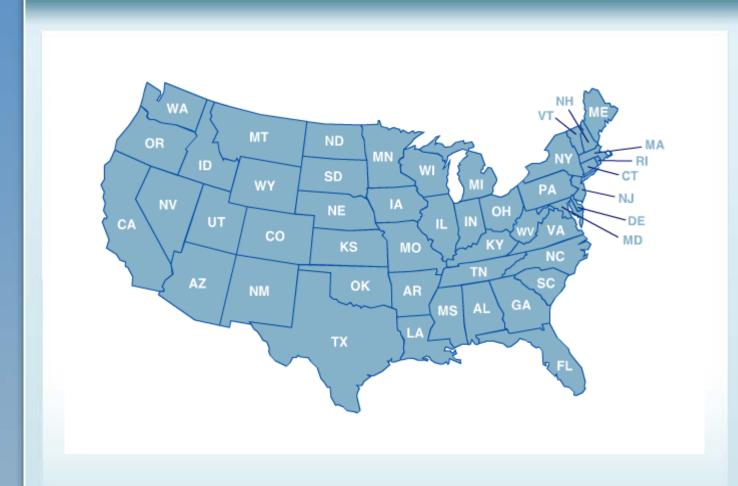


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State Information - Texas, USA

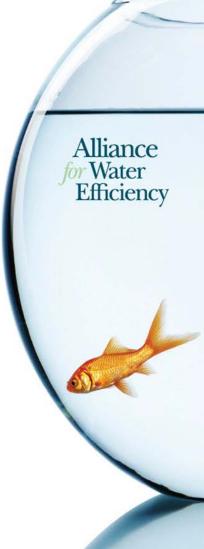
Texas is the first state to require that retail public water utilities file a standard water loss audit with the state, with a requirement to re-file every 5 years. The state's water loss guidance to utilities is available for download here. Texas has also become the second state to adopt more stringent standards for new residential water closets, beginning in 2010 and taking full effect in 2014.



- 1. What state agency or agencies are in charge of drinking water conservation/efficiency?
- 2. Does the state require preparation of drought emergency plans by water utilities or cities on any prescribed schedule?
- 3. Does the state have a mandatory planning requirement for drinking water conservation separate from drought emergency plans?
- 4. Does the state require implementation of conservation measures as well as preparation of plans?
- 5. Does the state have the authority to approve or reject the conservation plans?
- 6. Does the state have minimum water efficiency standards more stringent than federal or national requirements?
- 7. Does the state regulate drinking water supplies and require conservation as part of its permitting process or water right permit?
- 8. Does the state allow funding for conservation programs under a State Revolving Fund?
- 9. Does the state offer other financial assistance? Bonds? Appropriations?
- 10. Does the state offer direct or indirect technical assistance?
- 11. Does the state provide Statewide ET microclimate information?
- 1. What state agency or agencies are in charge of drinking water conservation/efficiency?

New "State Scorecard" Project

- Funded by the Turner Foundation
- Updated questions
- Advisory committee of state representatives
- Began collecting data in Summer of 2011
- Now analyzing data and conducting QA/QC
- Developing report and scoring methodology





Home 1 Energy Efficiency by Sector 1 State Energy Policy 1 Texas

State Energy Efficiency Policy Database

Texas

ACEEE 's 2010 State Scorecard Ranking: #32

TX Utility Policies

TX Appliance Standards

TX Building Codes

TX Clean Distributed Generation

TX Vehicle Policies

TX Transport System Efficiency

TX Lead by Example Initiatives

TX Financial Incentives

TX Climate Change Policies

Related Publications & Documents

ENERGY STAR Window Market Share in Eight U.S. Regions (Fact Sheet - 7/22/2011)

Energy Efficiency Resource Standards: State and Utility Strategies for Higher Energy Savings

(Research Report - 6/15/2011)





Texas Utility Policies

Summary

Customer Energy Efficiency Programs

Energy Efficiency Program Funding

Energy Efficiency Resource Standards

Alternative Business Models

Reward Structures for Successful Energy Efficiency Programs

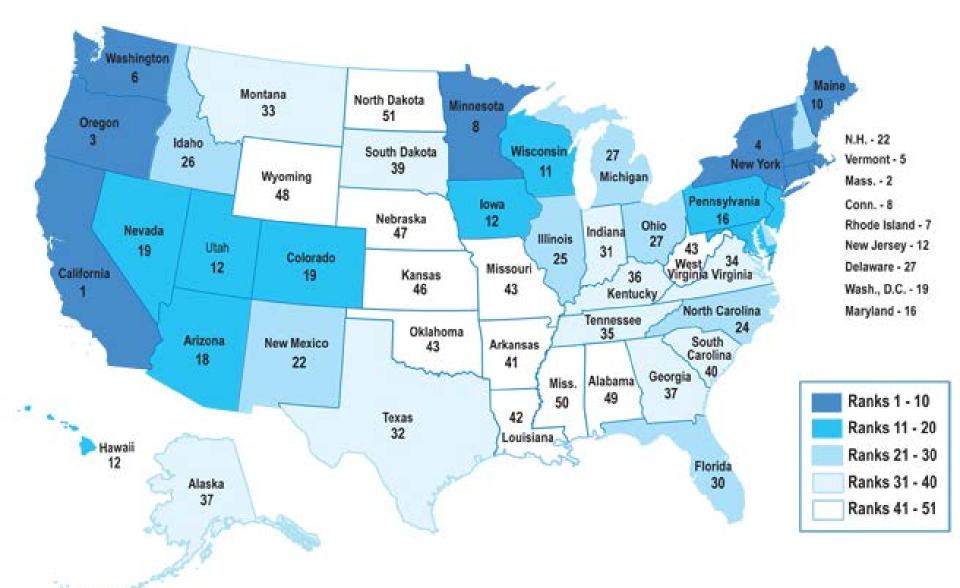
Energy Efficiency as a Resource

Summary

Since 1999, Texas law has required electric utilities to meet energy efficiency goals, thereby creating the nation's first EERS. The Public Utilities Commission of Texas (PUCT) recently approved Substantive Rule 25.181, a new Energy Efficiency Rule which increases the goals from 20% of electric demand growth to 25% growth in demand in 2012 and 30% in 2013 and beyond. The rule also establishes customer cost caps to contain costs, which will inhibit some utilities from investing in cost-effective energy efficiency measures. Texas most recently adopted S.B. 1125, which will eventually require utilities to meet EERS targets based on peak demand rather than growth in demand.

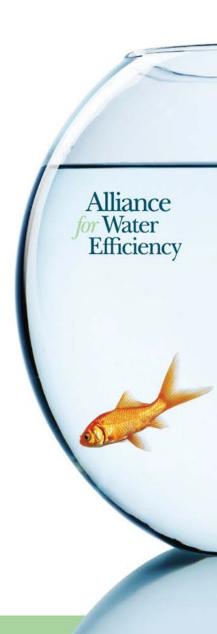
To meet these goals, utilities administer incentive programs, which retail electric providers and energy efficiency service providers implement. Programs are typically funded through the utilities' tariff or base rate. In 2009, Texas electric utilities reported saving 750 GWhs of energy to the **Energy Information Administration**. The Consortium for Energy Efficiency reports 2010 electric utility energy efficiency program budgets totaling \$128.4 million.

Utilities submit plans for the forthcoming year and reports on energy and capacity savings from the previous year to the PUCT. The PUCT approves the plans. Utilities receive performance bonuses based on their energy savings.



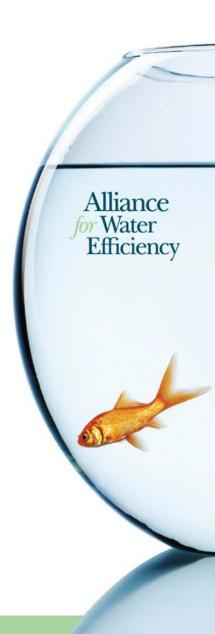
Changes Made to Questions

- Added six new questions
- Reworded four of the existing questions
- Expanded the previous question on water efficiency standards for fixtures to be five specific questions
- Combined two questions on financial assistance into one question
- Survey is now 20 questions



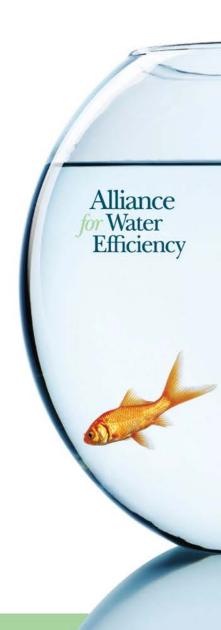
What is Being Asked

- State plumbing product efficiency standards?
- Water loss policies and regulations?
- State conservation plans?
- Mandatory conservation planning for water supply systems?
- Volumetric billing required?
- What percentage or number of connections are metered?



What is Being Asked

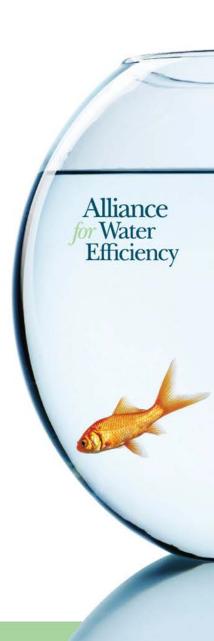
- ET data available for urban landscapes?
- Technical assistance for urban water conservation programs?
- Mandatory conservation implementation for water supply systems?
- Ability to use SRF funds for conservation programs?
- Case examples from within the state?
- Any published reports on conservation within the state?



Preliminary Highlights

High Scoring States:

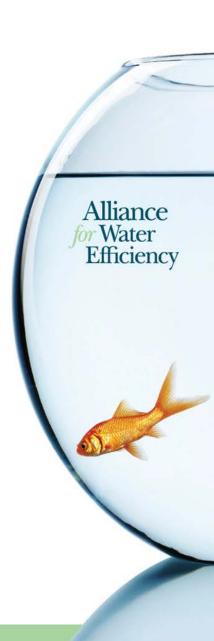
- Texas
- Arizona
- Georgia
- California
- Colorado
- Kansas



Preliminary Highlights

Low Scoring States:

- Tennessee
- Alaska
- Oklahoma
- South Dakota



State Legislation Highlights

GEORGIA

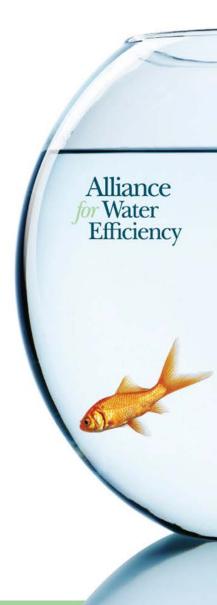
- Standards for toilets, faucets, urinals, cooling towers
- Standardized water loss reporting by water utilities
- Full metering of multi-family, commercial and industrial construction
- Statewide outdoor watering schedule
- Revised State Implementation Plan

CALIFORNIA

- Standards for toilets, faucets, urinals
- 20% reduction in urban water use by 2020

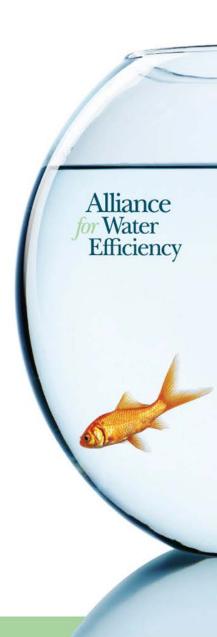
TEXAS

Standards for toilets, faucets, urinals



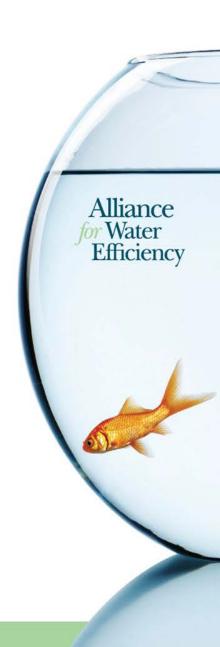
Project Outcomes

- Learn from what states are currently doing
- Motivate states to do more
- Encourage friendly competition like we see with the State Energy Efficiency Scorecard
- Create a foundation for future project development and regular updates to the scorecard



Challenges:

- Question development
- Data collection
- Equitable scoring
 - Regional irrigation issues
 - Water supply issues
- Information quickly outdated
- Lack of long term funding for future scorecard updates





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