This presentation premiered at WaterSmart Innovations

watersmartinnovations.com
Scorecards Galore: State Policy Resources to Track and Initiate Progress
What is the Water Efficiency and Conservation State Scorecard?

► An assessment of state-level laws related to water efficiency and conservation for all 50 states
► Result of a 16-question survey (with sub-questions)
► A database of state laws
► A collaborative effort of AWE and the Environmental Law Institute
Goal of the State Scorecard

- Generate awareness and interest in state laws to promote water conservation and efficiency
- Highlight strong laws that can be foundational for other states
- Identify opportunities
- Motivate states through regular updates
- Create friendly competition among states
Primary Topics Covered

- Fixture & Appliance Standards
- Water Loss
- Permitting
- Drought Plans
- Conservation Plans
- Financial Assistance
- Technical Assistance
- Metering & Billing
AWE has been developing resources related to state-level laws that encourage water conservation and efficiency for a decade.
Colorado River Basin Supplement

- Focused on CRB States
- Detailed look at primary categories
- More Maps
- Full-length scorecards
- Released January 2019
Colorado River Basin Scores

- CRB States Averaged B-
- 50 States Averaged C
- CRB had highest and lowest scoring states
## CRB Supplement Tables & Maps by Category

<table>
<thead>
<tr>
<th>Plumbing and Appliance Standards and Building Codes</th>
<th>AZ</th>
<th>CA</th>
<th>CO</th>
<th>NV</th>
<th>NM</th>
<th>UT</th>
<th>WY</th>
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</table>

**Table 4:** AWE Water Efficiency and Conservation State Scorecard Points Awarded for Plumbing and Appliance Standards and Building Codes

![Map of Western States showing water efficiency points awarded](image)  

**Figure 3:** AWE Water Efficiency and Conservation State Scorecard Points Awarded for Fixture Standards more Efficient than EPAct 1992, and Building and Plumbing Codes

**Standards**  
- 0 points
- 6 points
- 10.5 points
Regional Supplement Charts

Nevada Points Earned for Each Primary Scorecard Category

- Plumbing Fixture and Appliance Standards and Building Codes: 0%
- Water Loss: 40%
- Water Conservation Connected to Water Supplier Permits: 0%
- Water Supplier Drought Plan Requirements: 57%
- Water Conservation Plan Requirements (beyond permit requirements): 82%
- Financial Assistance: 80%
- Technical Assistance: 67%
- Metering and Billing: 100%

Points Earned vs Total Points Available
## Nevada State Scorecard

### Nevada Water Efficiency & Conservation Scorecard

<table>
<thead>
<tr>
<th>Question</th>
<th>Points Awarded</th>
<th>Points Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. What state agency or agencies are in charge of drinking water conservation/efficiency?</td>
<td>2</td>
<td>2</td>
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<tr>
<td>2. Does the state have a water consumption regulation for toilets (that is more stringent than the federal standard)?</td>
<td>0</td>
<td>3</td>
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<tr>
<td>Yes or no?</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Extra Credit #1: Yes and the fixture is subject to a replacement mandate in law</td>
<td>0</td>
<td>1</td>
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<tr>
<td>3. Does the state have a water consumption regulation for showerheads (that is more stringent than the federal standard)?</td>
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<td>3</td>
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<tr>
<td>Yes or no?</td>
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<tr>
<td>Extra Credit #2: Yes and the fixture is subject to a replacement mandate in law</td>
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<tr>
<td>4. Does the state have a water consumption regulation for urinals (that is more stringent than the federal standard)?</td>
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<td>3</td>
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<tr>
<td>Yes or no?</td>
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<tr>
<td>Extra Credit #3: Yes and the fixture is subject to a replacement mandate in law</td>
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<tr>
<td>5. Does the state have a water consumption regulation for clothes washers (that is more stringent than the federal standard)?</td>
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<td>Yes or no?</td>
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<tr>
<td>Extra Credit #4: Yes and the appliance is subject to a replacement mandate in law</td>
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<tr>
<td>6. Does the state have a water consumption regulation for pre-rinse spray valves (that is more stringent than the federal standard)?</td>
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<td>3</td>
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<tr>
<td>Yes or no?</td>
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<tr>
<td>Extra Credit #5: Yes and the fixture is subject to a replacement mandate in law</td>
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<tr>
<td>8. Does a state statute(s)/regulation(s) limit water loss in utility distribution systems?</td>
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<td>(a) Yes or no? If yes, what is the requirement?</td>
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<td>Extra Credit #6: State is leveraging state-funding for M36-compliant technical assistance to water systems in support of an existing or potential mandate</td>
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<td>(b) To what water suppliers do the laws apply?</td>
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<tr>
<td>(c) If there is a numeric limit on leakage or a formula for calculating acceptable levels of leakage, what is it?</td>
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<td>(d) Is submitting audit information required?</td>
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<td>(d)(i) If yes, at what frequency must it be submitted?</td>
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<td>(d)(ii) If yes, is audit data validation required?</td>
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<td>Extra Credit #7: Audits are required to be conducted using the AWWA Free Water Audit Software</td>
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<td>(e) Is leak detection required?</td>
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<td>(f) Is leak correction required?</td>
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Nevada Progress

- Nevada AB163
- Introduced February 15, 2019
- Approved by Governor June 3, 2019
- AWE Scorecard helped make the case
- AWE provided support
Water Loss Supplement
Water Loss Supplement

- Report published in March 2019
- Detailed look at water loss
- More maps
- Detailed tables
Does a state statute or regulation limit water loss in a utility distribution system?

a. If yes, is it a: requirement, requirement only in order to receive state funding, or a voluntary target?

*Extra Credit*: State is leveraging state-funding for M36-compliant technical assistance to water systems in support of an existing or potential mandate.

b. To what water suppliers do the laws apply?

c. If there is a numeric limit on leakage or a formula for calculating acceptable levels of leakage, what is it?

d. Is submitting audit information required?

*Extra Credit*: Audits are required to be conducted using the AWWA Free Water Audit Software.

   i. If yes, at what frequency must it be submitted?

   ii. If yes, is audit data validation required?

e. Is leak detection required?
f. Is leak correction required?
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</tbody>
</table>
Does a state statute or regulation limit water loss in a utility distribution system?

a. If yes, is it a: requirement, requirement only in order to receive state funding, or a voluntary target?

Extra Credit: State is leveraging state funding for M36-compliant technical assistance to water systems in support of an existing or potential mandate.

b. To what water suppliers do the laws apply?

c. If there is a numeric limit on leakage or a formula for calculating acceptable levels of leakage, what is it?

d. Is submitting audit information required?

Extra Credit: Audits are required to be conducted using the AWWA Free Water Audit Software.

i. If yes, at what frequency must it be submitted?

ii. If yes, is audit data validation required?

e. Is leak detection required?

f. Is leak correction required?
High Priority Topic Area 1: State Funding for M36-Compliant Technical Assistance

- AWWA M36 manual is the industry-standard water loss control guide for utilities
- State funding for technical assistance shows utilities that they are supported in their efforts
M36-Compliant Technical Assistance Funding

- No
- Pilot-scale only
- Statewide scale
Does a state statute or regulation limit water loss in a utility distribution system?

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f. Is leak correction required?
High Priority Topic Area 2: Water Loss Audit Requirements

- Requiring audits means utilities must establish an audit practice and methodology
- Audits should be validated to ensure quality data leading to quality decision-making
- Audits should be submitted regularly: preferred frequency is yearly, in keeping with standard business practices in all industries
- Extra credit for requiring industry-standard AWWA software
Does a state statute or regulation limit water loss in a utility distribution system?

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High Priority Topic Area 3: Leak Detection and Correction

- Leak detection and correction programs should be based on good audit data
-Leaks may be public-facing and dramatic
-Audits help establish proactive rather than reactive leak response
Ongoing Tracking and Support

- Regular Committee Updates
- Call to Action
- Legislative Watch
Legislative Watch

The Alliance for Water Efficiency (AWE) is pleased to monitor U.S. and Canadian federal legislation, and U.S. state-level legislation to inform its members of bills relating to water conservation and efficiency. Bills of interest will be posted as action is taken, and they come to our attention. Check back for updates.

116th Congress
U.S. House of Representatives
U.S. Senate

Parliament of Canada

U.S. State-Level Legislation