SRP Welcomes WESTCAS to Phoenix

October 29, 2014
M. J. O’Connor
Water and Power Nexus

- Navajo Generating Station
- Thermal Plants
- EPA Proposed Rule 111(d)
EPA Rule 111(d)

Carbon Dioxide (CO₂) Emission Reductions Required in Arizona
EPA Clean Power Proposal

EPA takes action on state plans

* EPA assumes all in-state coal-fired generation will be replaced by other generation resources by 2020 to meet Interim Goal

EPA 2030 Goal: 702 lb/MWh
EPA Interim Goal * (2020-2029 Average): 735 lb/MWh
Challenges Facing SRP

Ongoing Drought in Arizona

<table>
<thead>
<tr>
<th>Reservoir data</th>
<th>Elev.</th>
<th>% Full</th>
<th>Storage (in acre feet)</th>
<th>24 hr. Change</th>
<th>Rain (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Current/Remaining</td>
<td>Current</td>
<td>Available</td>
</tr>
<tr>
<td>Roosevelt</td>
<td>2,091.26</td>
<td>59.74</td>
<td>40</td>
<td>654,147</td>
<td>998,896</td>
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<tr>
<td>Horse Mesa</td>
<td>1,908.32</td>
<td>5.68</td>
<td>94</td>
<td>230,298</td>
<td>14,840</td>
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<tr>
<td>Mormon Flat</td>
<td>1,656.74</td>
<td>3.76</td>
<td>94</td>
<td>54,319</td>
<td>3,533</td>
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<td>Stewart Mtn</td>
<td>1,524.25</td>
<td>4.75</td>
<td>92</td>
<td>63,911</td>
<td>5,854</td>
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<tr>
<td>Total Salt System</td>
<td></td>
<td>49</td>
<td></td>
<td>1,002,675</td>
<td>1,023,123</td>
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<tr>
<td>Horseshoe</td>
<td>1,951.84</td>
<td>74.16</td>
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<td>122</td>
<td>109,095</td>
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<td>Bartlett</td>
<td>1,782.23</td>
<td>15.77</td>
<td>77</td>
<td>137,590</td>
<td>40,596</td>
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<tr>
<td>Total Verde system</td>
<td></td>
<td>48</td>
<td></td>
<td>137,712</td>
<td>149,691</td>
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<tr>
<td>Total reservoir system</td>
<td></td>
<td>49</td>
<td></td>
<td>1,140,387</td>
<td>1,172,814</td>
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<tr>
<td>Total system year ago</td>
<td></td>
<td>55</td>
<td>49</td>
<td></td>
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</table>
Proposition 122

Be it resolved by the Senate of the State of Arizona, the House of Representatives concurring:

1. Article II, section 3, Constitution of Arizona, is proposed to be amended as follows if approved by the voters and on proclamation of the Governor:

3. Supreme law of the land; authority to exercise sovereign authority against federal action; use of government personnel and financial resources

Section 3. A. The Constitution of the United States is the supreme law of the land TO WHICH ALL GOVERNMENT, STATE AND FEDERAL, IS SUBJECT.

B. TO PROTECT THE PEOPLE'S FREEDOM AND TO PRESERVE THE CHECKS AND BALANCES OF THE UNITED STATES CONSTITUTION, THIS STATE MAY EXERCISE ITS SOVEREIGN AUTHORITY TO RESTRICT THE ACTIONS OF ITS PERSONNEL AND THE USE OF ITS FINANCIAL RESOURCES TO PURPOSES THAT ARE CONSISTENT WITH THE CONSTITUTION BY DOING ANY OF THE FOLLOWING:

1. PASSING AN INITIATIVE OR REFERENDUM PURSUANT TO ARTICLE IV, PART 1, SECTION 1.
2. PASSING A BILL PURSUANT TO ARTICLE IV, PART 2 AND ARTICLE V, SECTION 7.
3. PURSUING ANY OTHER AVAILABLE LEGAL REMEDY.

C. IF THE PEOPLE OR THEIR REPRESENTATIVES EXERCISE THEIR AUTHORITY PURSUANT TO THIS SECTION, THIS STATE AND ALL POLITICAL SUBDIVISIONS OF THIS STATE ARE PROHIBITED FROM USING ANY PERSONNEL OR FINANCIAL RESOURCES TO ENFORCE, ADMINISTER OR COOPERATE WITH THE DESIGNATED FEDERAL ACTION OR PROGRAM.

2. The Secretary of State shall submit this proposition to the voters at the next general election as provided by article XXI, Constitution of Arizona.
Things To Do In Phoenix Area

- **Museums:** Heard/Musical Instrument Museum Museum (MIM)
- **Downtown Scottsdale/Old Town** [www.experiencescottsdale.com]
  - Restaurants
  - Art Galleries
  - Scottsdale Museum of Contemporary Art
- **Arizona Falls** – combining art, history and technology [www.srpnet.com/water/canals/azfalls]
  - Three waterfalls
  - Renewable-energy hydroelectric plan
  - Solar-paneled roof
  - Pedestrian bridge
Thank you. Enjoy your stay in the Valley of the Sun