7th Plan’s Resource Strategy Action Items

Resource Strategy Advisory Committee
September 9, 2015
Draft Resource Strategy - Seven Principal Elements

- Acquire Cost-Effective Efficiency
  - 1400 aMW by 2021
  - 3100 aMW by 2026
  - 4500 aMW by 2035

- Expand Use of Demand Response
  - Prepare and Be Able to Deploy Demand Response
  - Review Resource Adequacy Assessment Assumptions Regarding Limits to Reliance on External Market Supply

- Meet Existing Renewable Portfolio Standards
  - Expansion of RPS is not required to achieve EPA CO2 Emission limits at the regional level

- Option Gas-fired Generation for Capacity and other Ancillary Services
  - Regional need for development to meet capacity needs limited in near-term
  - Dictated by local utility circumstances

- Regional Resource Utilization
  - Regional exports impact the need for new in-region energy and capacity generating resource development
  - Regional reserve sharing could reduce cost and resource needs

- Expand Resource Alternatives (EE & Non-GHG emitting)
- Adaptive Management
Regional Conservation Goals

- Achieve the regional goal for cost-effective conservation resource acquisition.
  - With biennial “milestones”
  - Flexibility to “roll-forward” savings starting in 2016

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<th>FY16-17</th>
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<th>FY20-21</th>
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<td>Annual Energy</td>
<td>370</td>
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<td>Cumulative Energy</td>
<td>370</td>
<td>830</td>
<td>1400</td>
<td>2060</td>
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Consider Capacity Deferral Cost in Calculation of Cost-Effectiveness of Energy Efficiency

- Evaluate cost-effectiveness of measures using methodology outlined
- Develop and implement methods to identify system specific least-cost resources to maintain resource adequacy.
Demand Response

- Expand Regional Demand Response Infrastructure.
- Support Regional Market Transformation for Demand Response.
Renewable Resources

- Meet Existing Renewable Resource Portfolio Standards (RPS)
- Expand Renewable Generation Technology Options Considered for Renewable Resource Portfolio Standards (RPS) Compliance, especially Solar PV
Regional Carbon Emissions.

Analysis for the Seventh Plan found that compliance was highly probable at the regional level through:

- Reduced emissions from coal-plants that are already scheduled for retirement
- Achieving the regional conservation goals
- Satisfying existing state Renewable Portfolio Standards; and,
- Modest re-dispatch of existing gas-fired generation.