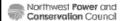
# Conservation Resources Supply Curve

CRAC Meeting March 24, 2015



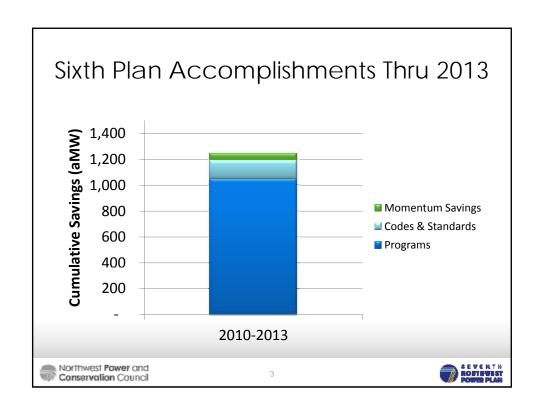


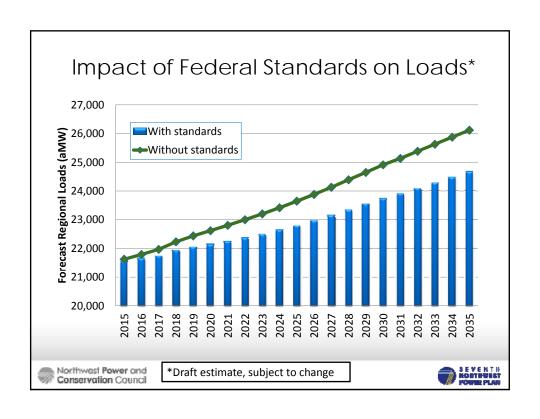
#### What the Data Represent

- Inputs to RPM
  - Achievable potential, cost & pace
  - These are not conservation targets
  - Cost-effectiveness & targets determined later
- Numbers are almost final!
  - Ready for RPM on March 27
  - We are reviewing Industrial loads
  - May add another small-saver measure or two
  - We do not expect major shifts from today's data

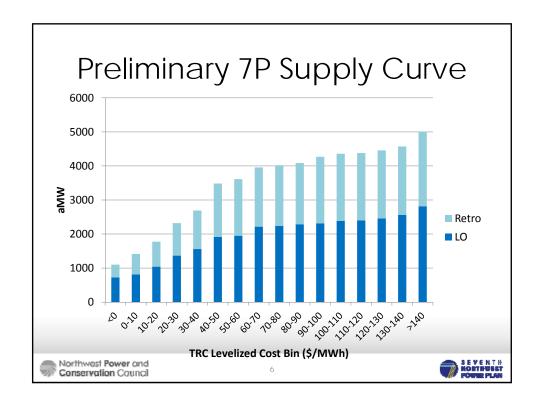


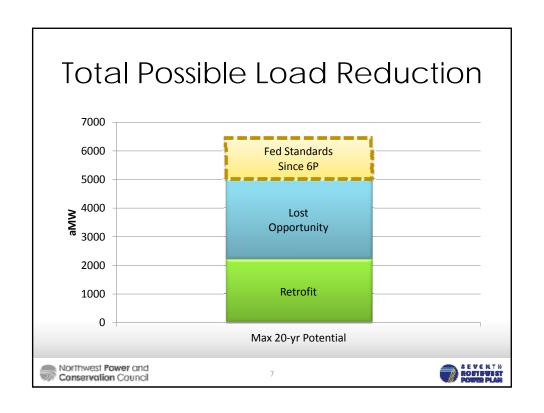


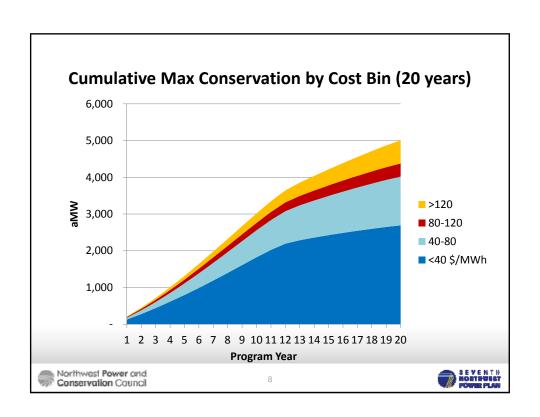


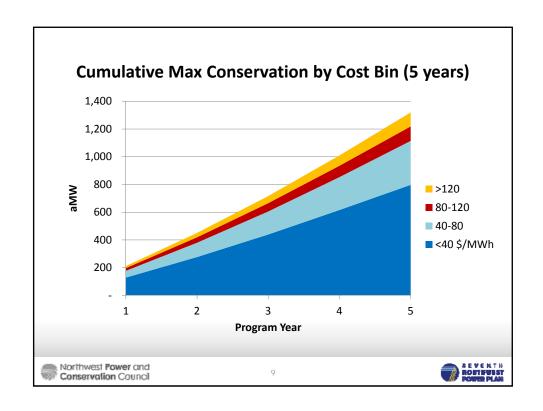


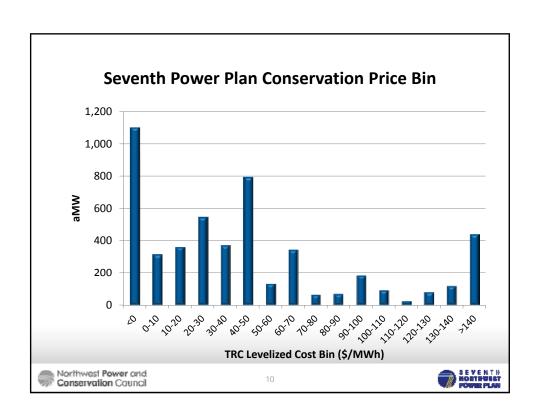


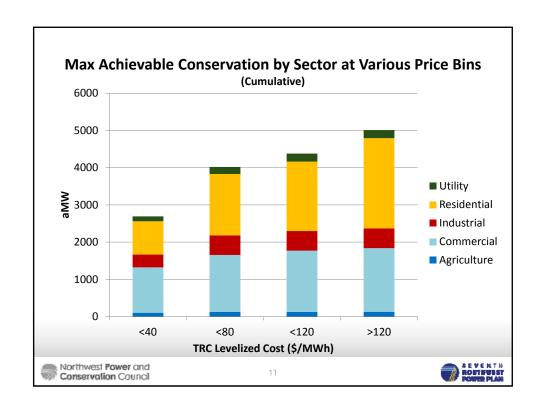


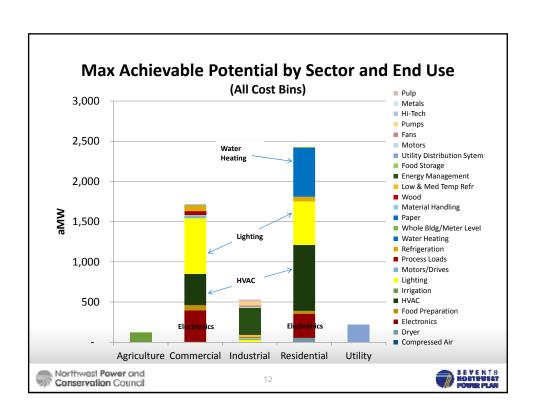












#### Measure List

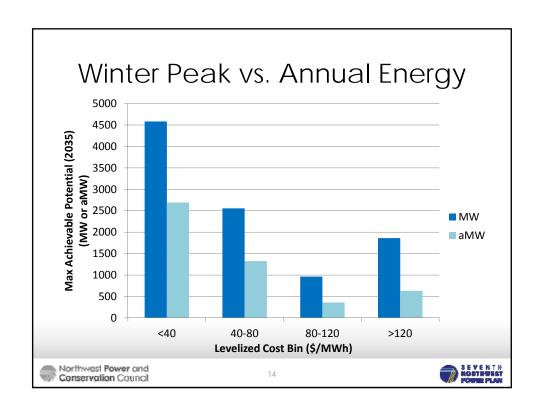
- Over 100 measures and around 1400 measure permutations analyzed across five sectors
- Significant new measures
  - Solid state lighting
  - Variable refrigerant flow HVAC systems
  - HP clothes dryer
  - Advanced power strips
- 6P measures removed or modified
  - TVs
  - Distribution system
  - Packaged refrigeration systems
  - New residential construction shell

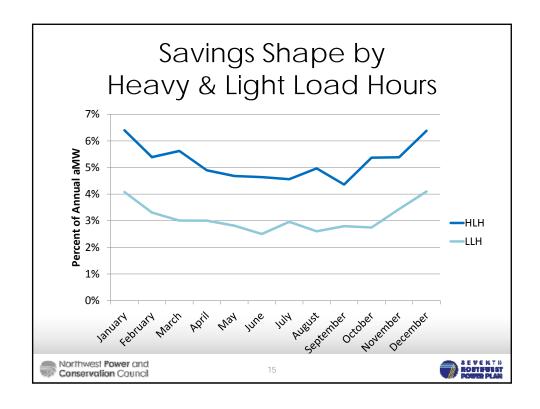


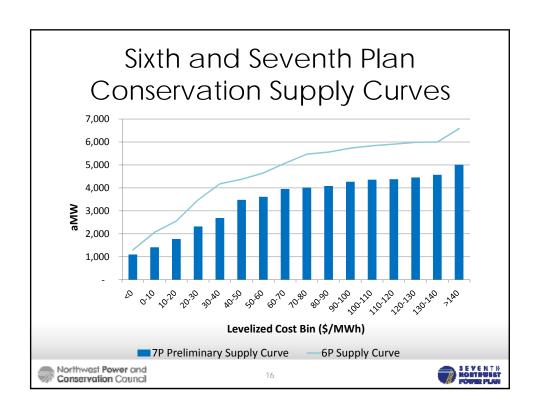
Northwest Power and Conservation Council

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### Some Observations



- Over 5000 aMW identified 20-year
- Similar cost profile to 6P
- Similar Retrofit potential to 6P
  - Although there have been lots of accomplishments, there are also new substantive measures
- Less Lost Opportunity potential due to new codes & standards in place
- Similar measure set a few new notables
- Significant impact on January single hour peak



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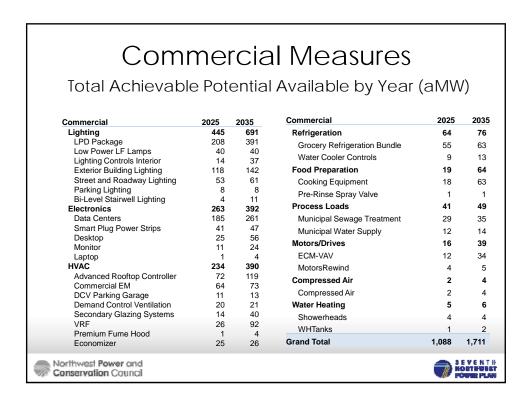
Supplemental Slides

## MEASURES IN THE SEVENTH PLAN CONSERVATION ASSESSMENT

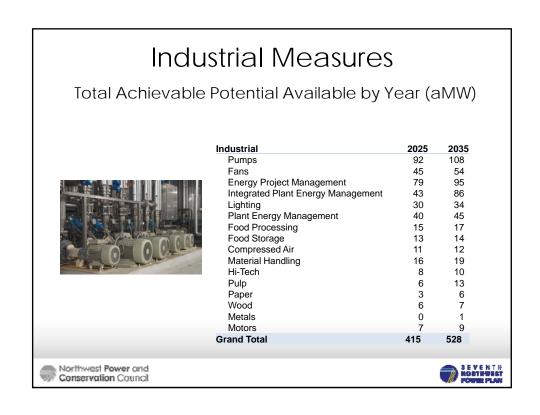








#### Agriculture Measures Total Achievable Potential Available by Year (aMW) **Agriculture** 2025 2035 Irrigation 120 Irrigation Hardware 46 53 Irrigation Pressure 8 24 Irrigation Water Mgmt 23 23 Irrigation Efficiency 6 19 Lighting 3 3 0 0 Dairy Lighting 3 3 Motors/Drives 3 3 Dairy 0 0 Irrigation Motor 3 3 Refrigeration 1 1 Dairy 1 **Grand Total** 90 127 Northwest Power and Conservation Council



# Utility System Measures Total Achievable Potential Available by Year (aMW)



Utility	2025	2035
Utility Distribution System	76	218
LDC voltage control method	29	83
Light system improvements	17	50
Major system improvements	19	55
EOL voltage control method	10	28
SCL implement EOL w/ major system improvements	1	2
Grand Total	76	218



