Chelan PUD Proposed 2014/2015 Conservation Target and 10-Year Plan

Presentation to the Chelan PUD Board of Commissioners
November 18, 2013
Overview

• No action is requested
• Purpose of the Conservation Potential Assessment (CPA)
• Review the results of the 2014/2015 CPA.
• Review proposed 2014/2015 target and 10-year plan.
• Review proposed programs for 2014 and associated budget.
Purpose of Conservation Potential Assessment

- To identify achievable cost-effective conservation potential

- RCW19.285.040 (1)(a) “...using methodologies consistent with the Pacific Northwest electric power and conservation planning council in its most recently published power plan, each qualifying utility shall identify its achievable cost-effective conservation potential...”

- RCW19.285.040 (1)(b) “...each qualifying utility shall establish and make publicly available a biennial acquisition target for cost-effective conservation consistent with its identification of achievable opportunities in (a) of this subsection, and meet that target in the subsequent two-year period....”
Chelan PUD’s CPA Meets the Standard

- WAC 194-37-070 (6)(a) Utility Specific Analysis/Conservation Potential Assessment: “The NWPCC's analytical methodology for establishing the conservation resource potential and conservation targets for the Northwest power system is outlined in procedures (a)(i) through (xv) of this subsection. A utility that chooses this option will document that it established a ten-year potential using an analytical methodology consistent with these NWPCC procedures (a)(i) through (xv) of this subsection:”

- The 2014/2015 CPA documents how these criteria are met.
Conservation Potential Assessment Results

- 2014/2015 potential is 2.08 aMW
- ~ 40% reduction from 2012-2013 (3.38 aMW)
- Key drivers
  - Lower avoided costs (energy market)
  - Code changes (light bulbs for example)
  - Recent achievements
  - Revised deemed measure savings from the Regional Technical Forum
  - Updated customer characteristics data
Achievable 10-Year Savings/Plan

2.08 aMW
Comparison of I-937 Conservation Targets by Biennium

<table>
<thead>
<tr>
<th>Biennium</th>
<th>Target (aMW)</th>
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<tbody>
<tr>
<td>2010/2011</td>
<td>3.0</td>
</tr>
<tr>
<td>2012/2013</td>
<td>3.5</td>
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<tr>
<td>2014/2015</td>
<td>2.0</td>
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Comparison of % Savings by Sector 2010-2014

*These numbers are based on planned programs. Actual savings will vary.
2014 Proposed Stack*

- Residential - .35 aMW
- Low Income - .02 aMW
- Regional - .37 aMW
- Industrial - .35 aMW
- Commercial - .17 aMW
- Agricultural - .03 aMW

Goal ~1.29 aMW

*Actual results may vary depending on program implementation.
2014 Comm./Ind. and Ag. Stack

- No new programs
- Focus on current programs
  - Lighting
  - Fan Variable Frequency Drives
  - Industrial Tune-Up
  - Custom projects

Expected Savings .55 aMW
2014 Residential Stack

New program option
• NEEM Manufactured Homes

Current programs
• Focus on improving newer programs
  – Refrigerator/Freezer recycling
  – Appliance rebates
  – Manufactured home duct sealing
  – Ductless Heat Pumps

• Mature Programs
  – Weatherization
  – Simple Steps
  – Low-income weatherization

Expected savings .37 aMW
2014 Regional Program

Northwest Energy Efficiency Alliance

- 2014 Forecast is 0.37 aMW
Proposed Conservation Programs Budget
(conservation incentives + direct labor)

• 2014/2015 ~ $4.2 Million

• 2014 budget request is $2.14 million
  – Residential- $990,000*
  – Industrial- $490,000*
  – NEEA- $349,000*
  – Commercial- $272,000*
  – Agricultural- $40,000*

• Includes labor and conservation incentives

*The actual amount spent in each sector may change if more cost effective projects are identified during the year.
Proposed Schedule

• Nov. 18 – Board of Commissioner study session to review CPA results, proposed 2-year target and 10-year plan (today)

• Dec. 2 – Publicly advertised Board of Commissioner business session to request approval of proposed 2-year target and 10-year plan.

• By Dec. 31 - Submit target and plan to Commerce per WAC 194-37-070(1) and (2).
Questions