6th and 7th Plan Update

Danielle Walker
October 15, 2014
Public Power Commitment

- BPA and public power committed to achieving the public power share of the EE target in the Council’s 6th Power Plan

- 504 aMW from 2010-2014
6th Plan: A Journey

Eckman

IS2.0

Post 2011 lollypop forest

Non-programmatic Queen
Carrie Cobb

EE Central

overspend

DHPs!

These targets are huge!

Look at all this low hanging fruit!
The Good News

- BPA and public power utilities are on track to exceed the public power share of the council target
  - Higher than expected achievements in non-programmatic savings
  - Slightly higher than estimated achievements in total program savings
  - Self-funded savings achievements in line with forecast
# 2010-2014 Savings
Actual and Projected

## 6th Plan Savings Summary (aMW) - Adjusted and Updated for Actuals

<table>
<thead>
<tr>
<th>Savings by funding source</th>
<th>2010 Actual</th>
<th>2011 Actual</th>
<th>2012 Actual</th>
<th>2013 Actual</th>
<th>2014 Projected</th>
<th>Total Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPA Funded Programmatic Savings</td>
<td>51</td>
<td>111</td>
<td>47</td>
<td>45</td>
<td>41</td>
<td>295</td>
</tr>
<tr>
<td>Utility Self Funded Savings</td>
<td>28</td>
<td>3</td>
<td>12</td>
<td>26</td>
<td>14</td>
<td>84</td>
</tr>
<tr>
<td>Norpac - BPA Funded</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>0</td>
<td>4</td>
<td>10.4</td>
</tr>
<tr>
<td>Norpac - Cowlitz PUD Funded</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1.9</td>
</tr>
<tr>
<td>Market Transformation^</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>9</td>
<td>48</td>
</tr>
<tr>
<td>Non-Programmatic</td>
<td>14</td>
<td>22</td>
<td>37</td>
<td>26</td>
<td>27</td>
<td>126</td>
</tr>
<tr>
<td><strong>Baseline Adjustments</strong></td>
<td><strong>9</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Annual Savings</strong></td>
<td><strong>103</strong></td>
<td><strong>148</strong></td>
<td><strong>112</strong></td>
<td><strong>107</strong></td>
<td><strong>95</strong></td>
<td><strong>574</strong></td>
</tr>
<tr>
<td><strong>Total Reported 6th Plan Savings</strong></td>
<td><strong>100</strong></td>
<td><strong>144</strong></td>
<td><strong>109</strong></td>
<td><strong>104</strong></td>
<td><strong>95</strong></td>
<td><strong>561</strong></td>
</tr>
</tbody>
</table>

## Carryover

<table>
<thead>
<tr>
<th>Total Annual Savings</th>
<th>103</th>
<th>148</th>
<th>112</th>
<th>107</th>
<th>95</th>
<th>608</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Reported 6th Plan Savings</td>
<td>100</td>
<td>144</td>
<td>109</td>
<td>104</td>
<td>95</td>
<td>595</td>
</tr>
</tbody>
</table>

^NEA net market effects over the 6th Plan baseline. Other NEEA-reported savings are included in programmatic savings (NEEA co-created) and non-program savings (NEEA baseline)

* adjusted for savings with a 1 year measure life
6th Plan Annual Savings Goals

![Bar chart showing annual savings goals from 2010 to 2029]

- **2010**: 84
- **2011**: 92
- **2012**: 101
- **2013**: 109
- **2014**: 118
- **2015**: 122
- **2016**: 134
- **2017**: 143
- **2018**: 147
- **2019**: 151
- **2020**: 153
- **2021**: 153
- **2022**: 153
- **2023**: 151
- **2024**: 130
- **2025**: 118
- **2026**: 105
- **2027**: 101
- **2028**: 97
- **2029**: 92

Legend:
- **Blue Bars**: 6th Plan Annual Goals
- **Red Line**: BPA Achievements
2015-2017 Savings Goals

- BPA and the Council have agreed to use the annual savings goals outlined in the 6th Plan

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Annual Savings</strong></td>
<td>122</td>
<td>134</td>
<td>143</td>
<td>400</td>
</tr>
</tbody>
</table>
But, what does this mean for budgets?
Savings Goals and Achievements

![Graph showing savings goals and achievements from 2010 to 2017. The graph illustrates annual savings goals and the contributions from different funding sources: Non-Programmatic, Federal Standards, Market Transformation, Norpac - Cowlitz PUD Funded, Norpac - BPA Funded, Utility Self Funded Savings, and BPA Funded Programmatic Savings.](image)
# 2015-2017 Savings Estimates

## 6th Plan Savings Summary (aMW) - 2015-2017 - Annual Goals

<table>
<thead>
<tr>
<th>Savings by Source</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>Total Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPA Funded Programmatic Savings</td>
<td>49</td>
<td>46</td>
<td>47</td>
<td>143</td>
</tr>
<tr>
<td>Utility Self Funded Savings*</td>
<td>16</td>
<td>15</td>
<td>16</td>
<td>48</td>
</tr>
<tr>
<td>Market Transformation^</td>
<td>6</td>
<td>6</td>
<td>5</td>
<td>16</td>
</tr>
<tr>
<td>Federal Standards Adjustment</td>
<td>21</td>
<td>23</td>
<td>23</td>
<td>67</td>
</tr>
<tr>
<td>Non-Programmatic - Mid</td>
<td>48</td>
<td>50</td>
<td>49</td>
<td>146</td>
</tr>
<tr>
<td><strong>Total Savings</strong></td>
<td>140</td>
<td>139</td>
<td>140</td>
<td>420</td>
</tr>
<tr>
<td>Non-Programmatic - Low</td>
<td>27</td>
<td>29</td>
<td>30</td>
<td>86</td>
</tr>
<tr>
<td><strong>Total Savings</strong></td>
<td>120</td>
<td>119</td>
<td>121</td>
<td>360</td>
</tr>
<tr>
<td>Non-Programmatic - High</td>
<td>68</td>
<td>70</td>
<td>68</td>
<td>207</td>
</tr>
<tr>
<td><strong>Total Savings</strong></td>
<td>161</td>
<td>160</td>
<td>160</td>
<td>480</td>
</tr>
</tbody>
</table>

*assumes 25% self funding

^ NEEA net market effects over the 6th Plan baseline
SIX GOING ON SEVEN

Update

LITERATURE REVIEW
DATA COLLECTION
DATA ANALYSIS
MARKET RESEARCH
Market Research Objectives

- Measure Performance
- Adoption Challenges
- Marketing Strategies
- Overcoming Barrier Strategies
- Planning & Supply Curves
- Effects of Regional Support
Key Findings

- One Target...Many Paths
- Emerging Technologies are special
- Emerging Technologies Need Program Infrastructure Support
Want to hear more?

- Attend or call into the CRAC meeting
- November meeting TBD
- Council Office - Portland
Next Steps

DATA COLLECTION
2013 data has been collected and analysis has begun

DATA ANALYSIS
2013 will be added to the 2010-2012 analysis captured in phase 1 and presented