November 8, 2022

MEMORANDUM

TO: Council Members

FROM: Tina Jayaweera, Kevin Smit

SUBJECT: Update on Bonneville Power Administration’s Energy Efficiency Program

BACKGROUND:

Presenter: Jamae Hilliard-Creecy, VP of Energy Efficiency, BPA

Summary: Jamae was will present on BPA’s recently published Energy Conservation Annual Review, discuss the broader value BPA sees in efficiency, and discuss the timeline and process in developing their next five-year Energy Efficiency Action Plan.

Relevance: BPA represents approximately 36% of the region’s cost-effective energy efficiency potential and has specific action items related to conservation highlighted in the 2021 Power Plan.

Background: BPA has been actively engaging with its customer utilities to acquire energy efficiency for the past 40 years. Over the past decade, these public utilities have acquired more than 800 aMW of savings through programmatic initiatives, NEEA, and momentum savings. BPA’s customer utilities implement efficiency programs within their service territories. Once complete, these savings are reported and approved by BPA for acquisition and customers are reimbursed through the Energy Efficiency Incentive (EEI) budget. Utilities also have the option to self-fund energy efficiency programs.

ENERGY EFFICIENCY AT BPA
Accomplishments, Value, and Action Plan

Jamae Hilliard Creecy, VP of Energy Efficiency

November, 2022
AGENDA

- BPA’s Inaugural Annual Review
- Value of Energy Efficiency
- Action Plan
Energy Conservation Annual Review
537.5 aMW
During 7th Power Plan (2016-2021)

SAVINGS BY TYPE

BPA Programmatic: 332.7
BPA Momentum: 68.8
NEEA-reported Momentum Savings: 107.1
NEEA Net Market Effects: 28.8
BPA Programs Delivered

332.7 aMW

Savings slowed in 2020 and 2021 due to pandemic and transforming lighting market.
NEEA Provided 136 aMW of Savings for BPA

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<td>10.8</td>
<td>9.4</td>
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<td>NEEA Net Market Effects</td>
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<td>6.0</td>
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<tr>
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<td>13.1</td>
<td>22.3</td>
<td>29.9</td>
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<td>136.0</td>
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BPA Quantified 68.8 aMW of Momentum Savings During the 7th Plan
The Value of EE
The EE Resource Brings Many Benefits

Enabling Customer Success

Building a Resilient Future

Creating Economic Benefits for the Community

Minimizing Environmental Impacts
Enabling Customer Success
Customers Can Leverage BPA Engineering Expertise To…

- Identify EE opportunities
- Prioritize measures
- Implement measures
- Measure and verify savings
- Assist in claiming savings
A positive connection to customers
Investing in the community
Since 2016:
• Weatherized > 4 million sqft. of living area
• Approx. $1.25 million in bill savings

Supporting Tribes and Low-Income Households
Creating Economic Benefits for the Community
Enabling economic vibrancy
Supporting Regional Capacity Needs

ECONOMIC BENEFITS

$1.8M
Building a Resilient Future
Improving the grid’s ability to cope with a new world
Offering customer resilience in extreme events
Minimizing Environmental Impacts
10 MILLION TONS OF CO$_2$e AVOIDED

Equivalent to taking more than 2.1 million cars off the road
Avoid environmental impact associated with any new builds
Energy Efficiency
Action Plan
A Plan that Balances Priorities

EE Action Plan

Council Plan

Customer Needs

BPA Resource Program
Action Plan Outcomes

- Refined Measure Offerings
- Revised Program Plans
- Goals, Milestones, and Resources
- A Living Document
Draft 2021 Plan
Period Forecast:
at Least 300 aMW
The 2021 Northwest Power Plan: More than just a number
Discussion and Questions
THANK YOU