Energy Efficiency Opportunities in the Industrial Sector
10/25/2019
Who we serve

• Industrial + manufacturing facilities
• Agriculture, nurseries, dairies, irrigators
• Water + wastewater treatment facilities
• Limitations on services for large customers
Energy Trust Production Efficiency Program

- Standard
- Lighting
- Custom Track
- Strategic Energy Management
- Megaprojects
Electric Savings by Program Track

![Bar chart showing electric savings by program track from 2009 to 2018. The chart indicates the actual savings for each year, segmented by program type: Custom, Lighting, Mega Projects, SEM, and Standard.]

Working savings
Chart shows 2009-2018 actuals.
Electric Savings by Market Segment

Chart shows 2009-2018 actuals.

Working savings
Boise Cascade Wood Products

- $332,000 in cash incentives from Energy Trust
- Over $350,000 annual energy cost savings
- 6.4 million annual kWh saved
- 7 million pounds of avoided CO₂ emissions

“We’re in a very competitive industry…Energy Trust incentives make this project a good investment and are symbolic of the efforts that our guys have put into making us more competitive.”

Mike Zojonc, mill manager
Average % of Total Site Electric Energy Saved

- Extra-large: 10%
- Large: 16%
- Medium: 14%
- Small: 14%
- Extra-small: 18%
Gas Savings by Program Track

Chart shows 2009-2018 actuals.
Gas Savings by Market Segment

Working savings
Chart shows 2009-2018 actuals.
Yoshida Foods

- Upgraded pasteurizer, compressed air, solar energy
- $218,000 in Energy Trust incentives
- 187,000 therms and 232,000 kWh saved annually
- 2.4 million pounds avoided CO₂

“Energy Trust keeps us aware of available offerings. We appreciate their streamlined approach in helping us get projects online fast.”

Frank Heushkal, President
10 Year Annual Electric Savings Projections (kWh)

<table>
<thead>
<tr>
<th>Year</th>
<th>Annual kWh Savings</th>
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<tr>
<td>2029</td>
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</tbody>
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- **All Other Industrial Measures**
- **Lighting Measures**
10 Year Annual Natural Gas Savings Projections (Therms)
Trends

• Strong savings still exist with our large customers
• Strong program participation with wood products, food processors and high tech customers continues
• Savings potential from compressed air, motors HVAC and primary process remains strong
• Savings from new opportunities come on line as measures phase out
Policy Constraints

- Very large customers (over 1 aMW)
- Gas transport customers
- Utility system benefits only, limited carbon reduction benefits
Thank you

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