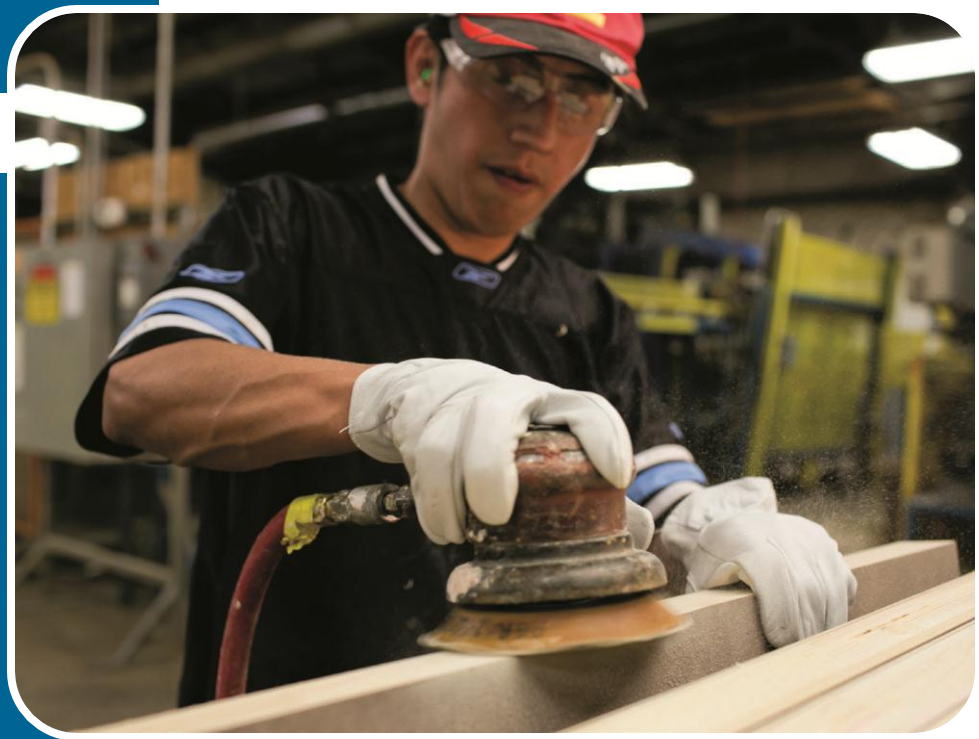
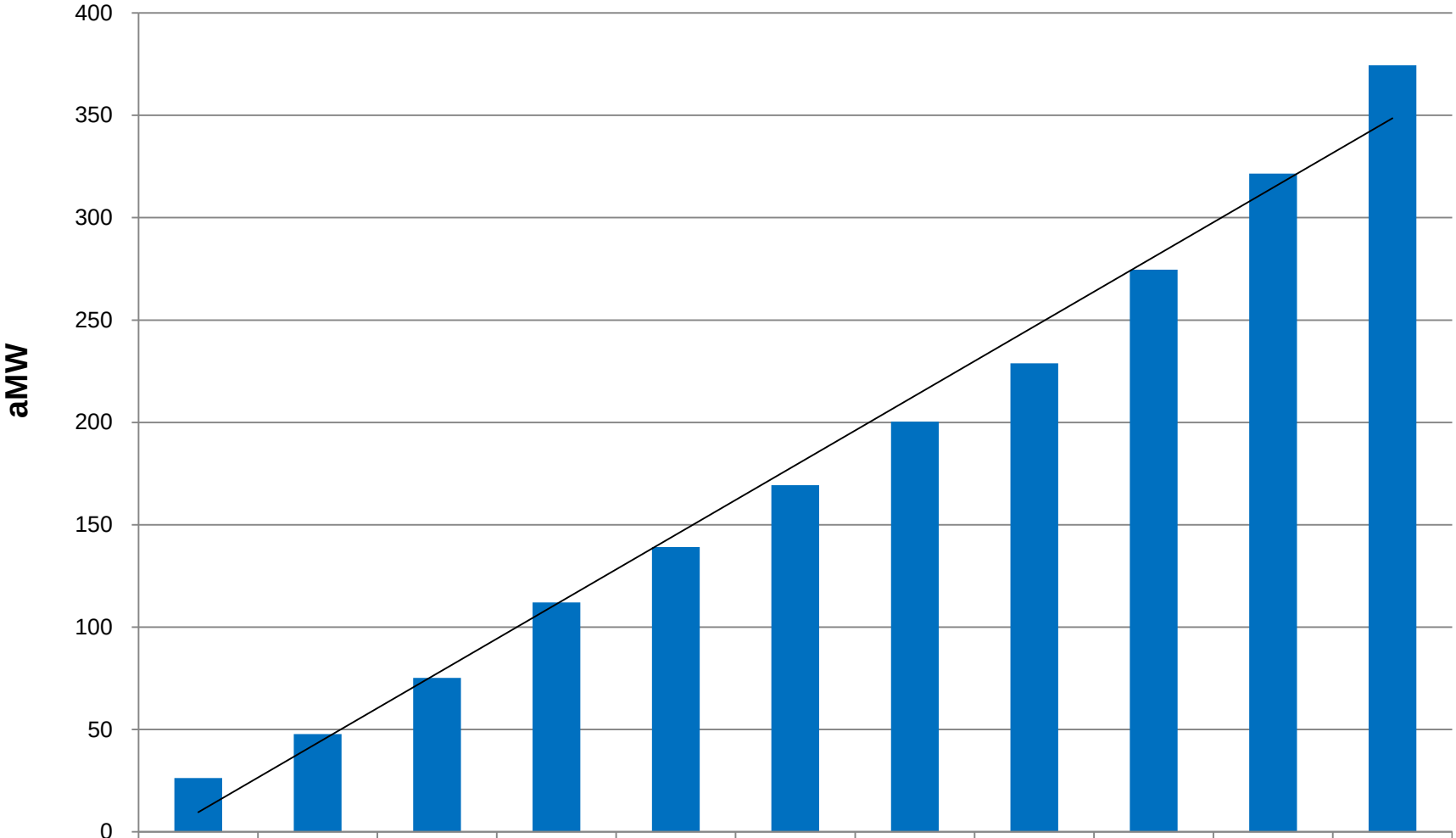


Energy Trust of Oregon
Program Innovation and Delivery

February 14, 2013
House Energy and Environment Committee

Energy Trust of Oregon

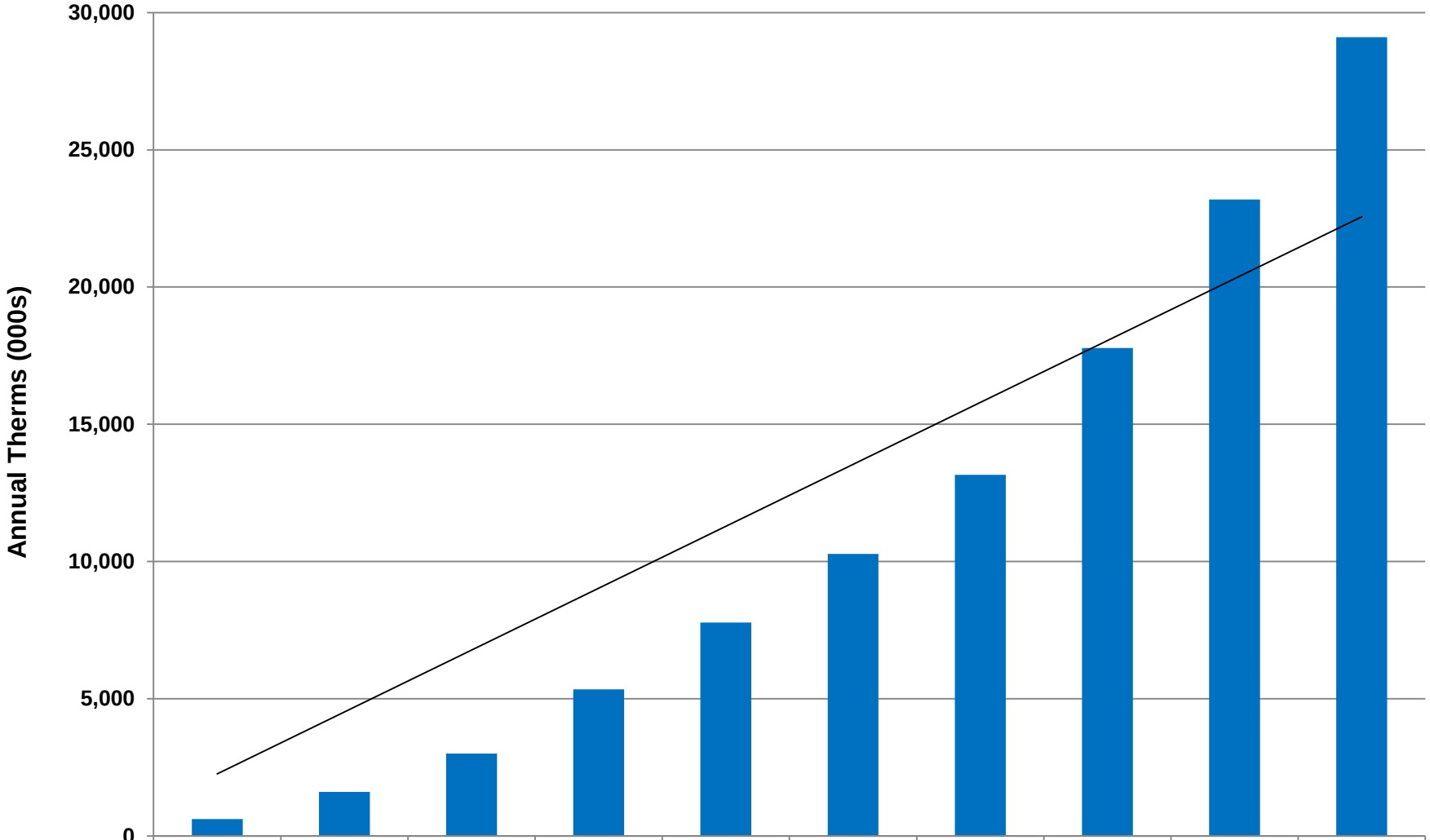
Energy Trust of Oregon Cumulative Electric Efficiency Savings (aMW)



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012*
Total Cumulative	26	48	75	112	139	169	200	229	275	322	374

*2012 results are preliminary

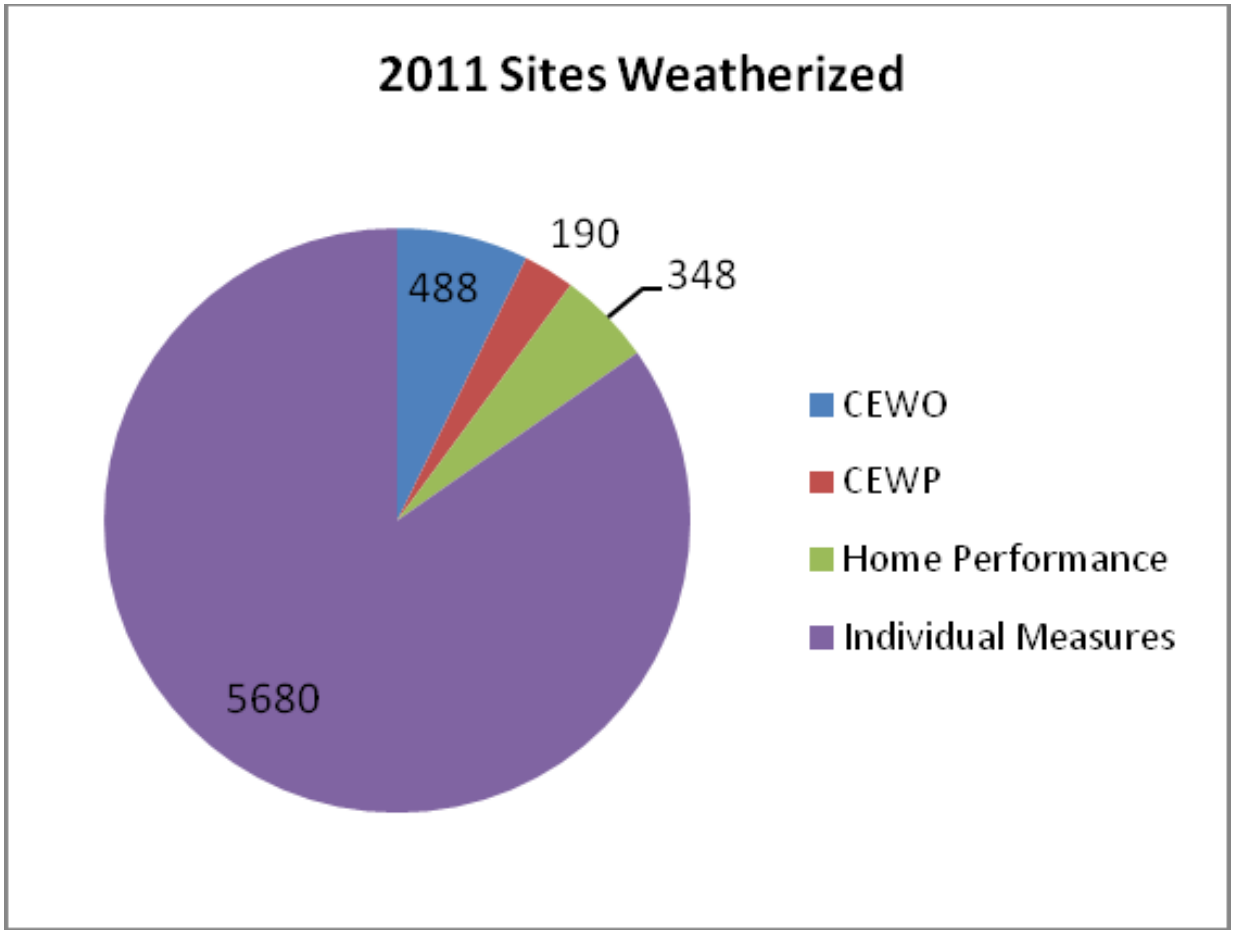
Energy Trust of Oregon Cumulative Natural Gas Efficiency Savings (000s therms)



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012*
Total Cumulative	613	1,608	3,001	5,344	7,776	10,278	13,156	17,779	23,186	29,102

*2012 results are preliminary

Residential Weatherization



- Deeper, whole home weatherization is a growing market segment
- Vast majority of weatherization activity continues to be through customers installing individual measures

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Delivering Lasting Benefits

- Direct benefit of $1 billion saved on participant energy bills
- Independent study shows $2.1 billion added to Oregon economy
  - $630 million in wages
  - $120 million in small business income
  - Employment equivalent to 1,800 jobs lasting 10 years
- Network of more than 1,500 contractors and 900 program allies
- Ratepayers avoid $1.57 billion in costs for equivalent amount of energy
- Linkages to other policy goals/interests

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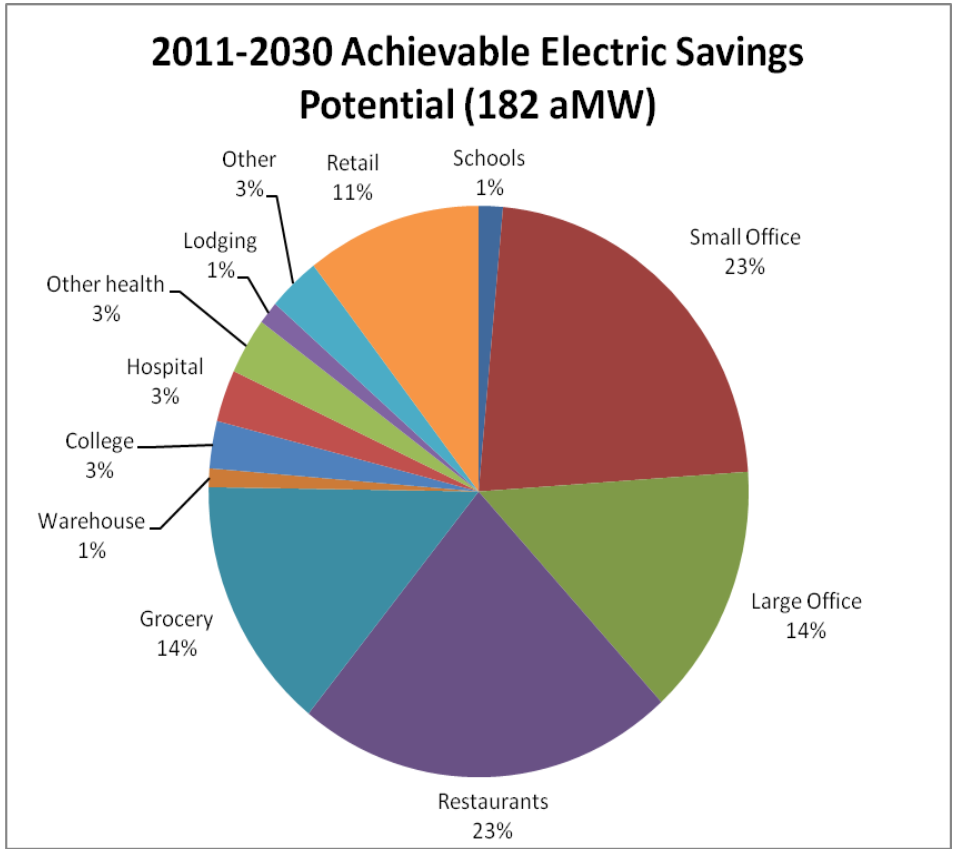
A World of Opportunity

- We waste up to 50% of the energy we use
- Oregon and the Pacific Northwest have a proud history of reclaiming this waste through energy conservation and efficiency programs
- Our region has chosen to meet future energy needs through cost-effective investments in efficiency
- The largest opportunities are in the commercial and industrial sectors and underserved markets
- Tools of the trade include rebate and incentive programs, tax credits, loans, codes and standards and mandates
- Innovation is constant

Identifying The Next Opportunities

Inputs:

- Program evaluation
- Customer feedback
- Market penetration assessments
- New emerging technologies and innovative strategies
- Integrated resource planning
  - Technical and achievable savings
  - Target markets
- Program design & strategies
- Pilot activities to full scale implementation



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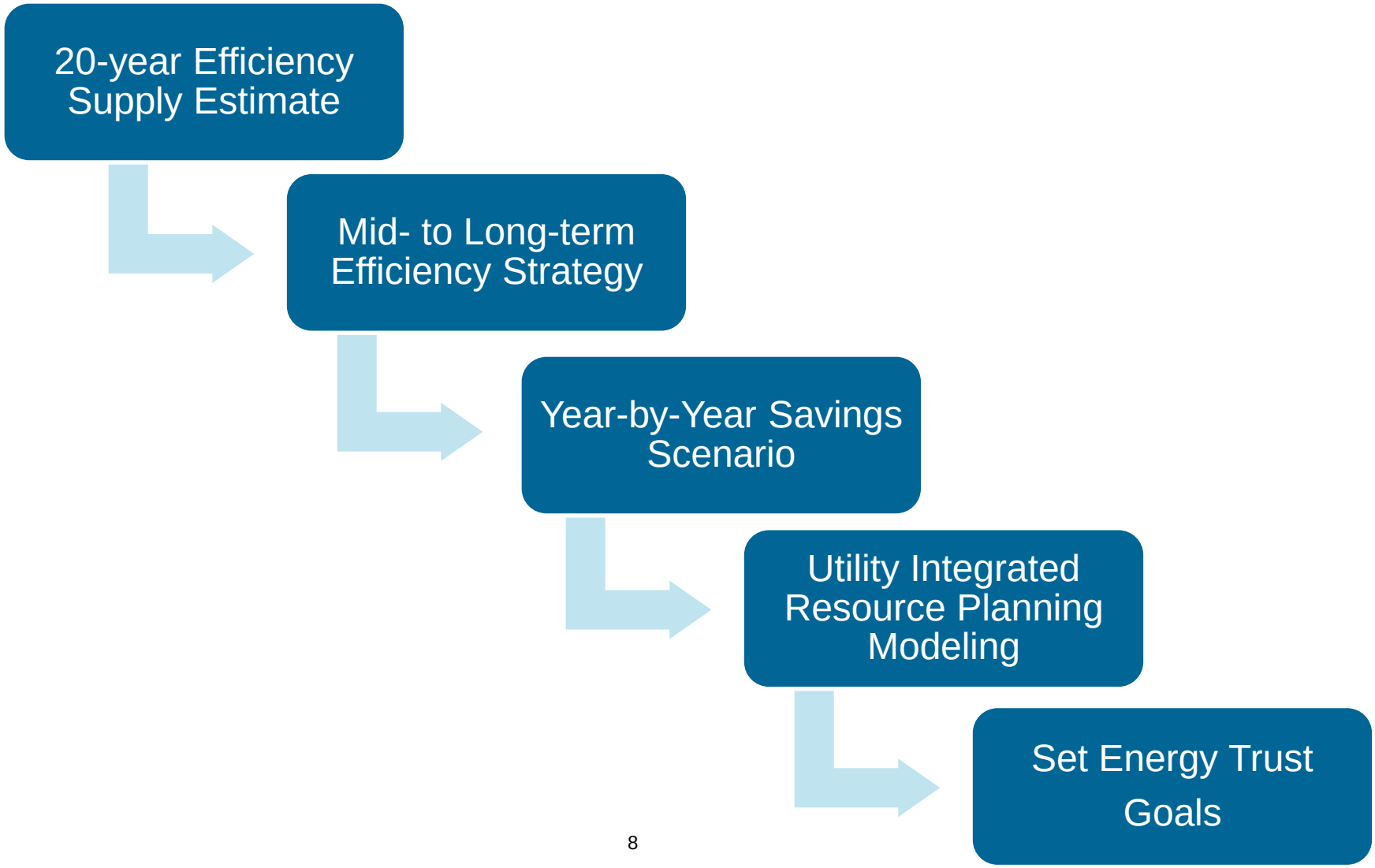
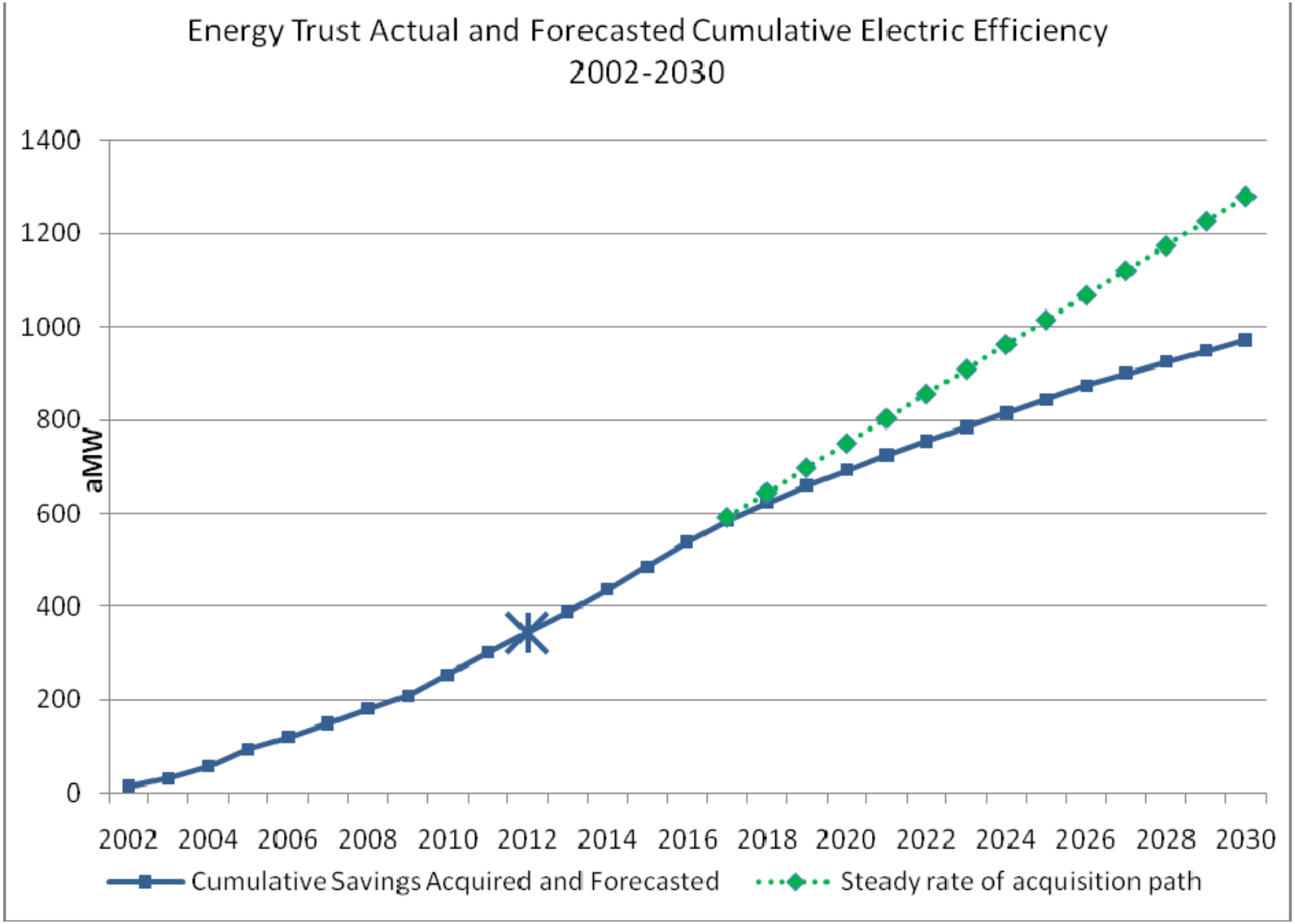
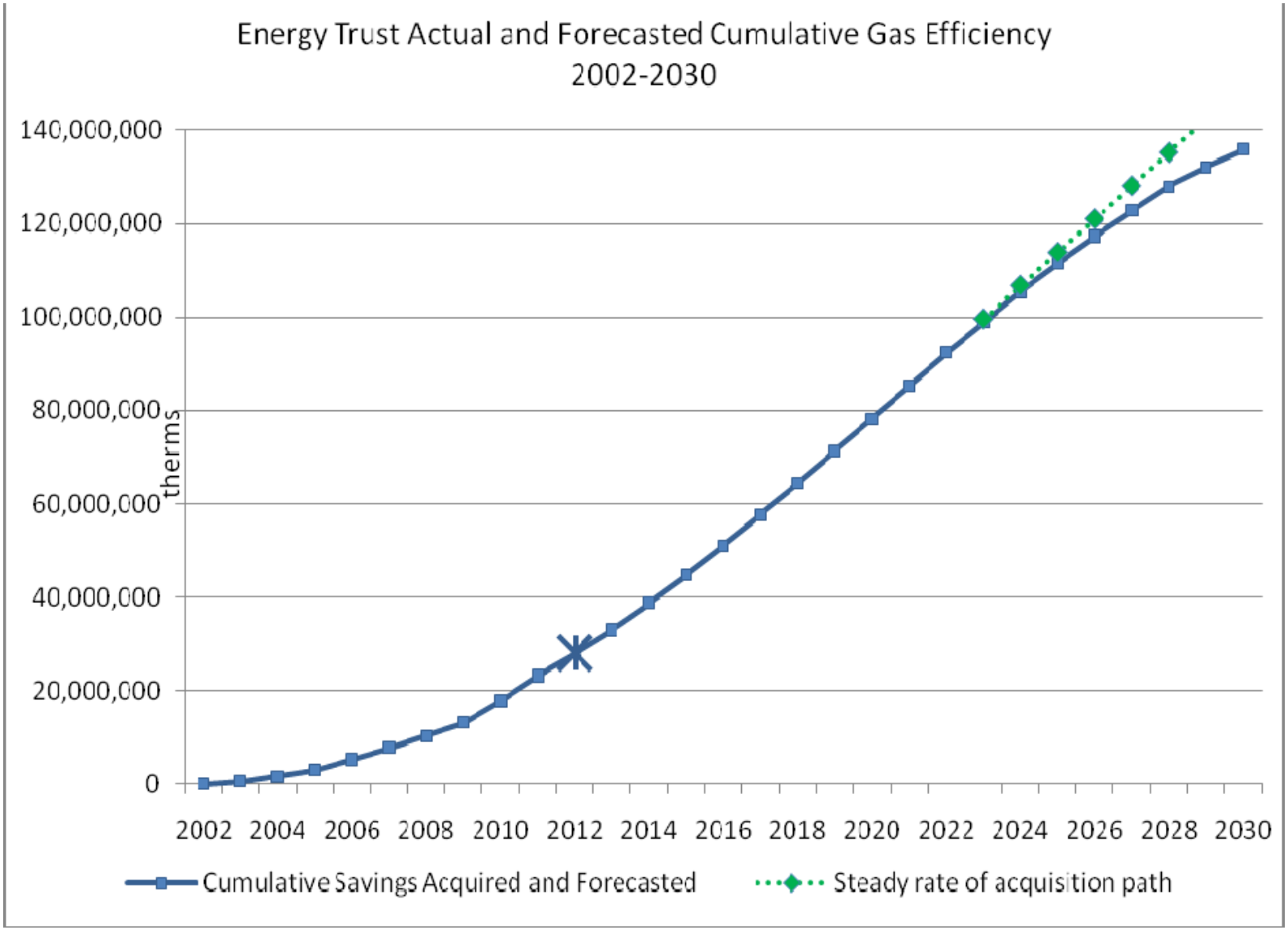
Energy Trust Role in Utility IRP Process



Electric Savings Trajectory



Gas Savings Trajectory



A Small Sampling of Current Initiatives

- Field testing emerging technologies such as heat pump water heaters, LED lighting and data center standards
- Sharing best practices via Strategic Energy Management
- Path to Net Zero and solar ready new construction
- Favorable loan programs for moderate income residential customers and for deep retrofit in commercial buildings
- Bulk purchase, community approaches to reduce transaction costs for small commercial buildings
- Targeting small commercial customers who lease space
- Energy Performance Score for new and existing homes
- Behavior change approaches using Opower, Aclara and other innovative software

Focused Areas of Technology Validation

- Behavioral approaches
- Home heat pump water heaters
- Advanced design and lighting controls for retrofits
- Window retrofits in commercial buildings – may be cost-effective only when replacing cooling systems and requires integrated analysis
- Home windows – generally cost-effective to upgrade when customer is replacing for other reasons, retrofit to save energy only is very expensive
- Evaporative cooling for commercial buildings
- LED and OLED lighting
- Advanced design in new buildings and homes

Thank You

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Energy Trust of Oregon is an independent nonprofit organization dedicated to helping utility customers benefit from saving energy and tapping renewable resources.