Multifamily Weatherization

Conservation Advisory Council

February 13, 2013

EnergyTrust of Oregon

Drivers for Changes in 2013

- **Integration of Small Multifamily (2-4 units)**
  Align incentives for multifamily buildings, regardless of the number of living units, where feasible.

- **ODOE Small Premium Project Incentive Program**
  Leverage SPP offerings available by aligning Energy Trust specifications to match when possible or appropriate.

- **Avoided Cost of Gas**
  Remove non-cost effective gas measures that we do not have ability to influence in the next two years to reach cost effectiveness thresholds.

EnergyTrust of Oregon

Measure analysis – ceiling and floor

Energy Efficiency Measure Name	Combined Utility System BCR	Combined Societal BCR
Ceiling insulation ≥ 5 units ELE SPHT R49	**2.2**	**1.2**
Ceiling insulation > 5 units GAS SPHT R49	**0.9**	**0.6**
Ceiling insulation ≤ 4 units ELE SPHT	**5.8**	**2.1**
Ceiling insulation ≤ 4 units GAS SPHT	**1.4**	**0.5**
Floor insulation > 5 units ELE SPHT	**2.7**	**1.4**
Floor insulation > 5 units GAS SPHT	**1.2**	**0.7**
Floor insulation < 4 units ELE SPHT	**4.9**	**1.3**
Floor insulation < 4 units GAS SPHT	**1.2**	**0.3**

EnergyTrust of Oregon

Measure analysis – wall insulation in small multifamily

Energy Efficiency Measure Name	Combined Utility System BCR	Combined Societal BCR
Wall insulation < 4 units ELE SPHT	**6.1**	**1.7**
Wall insulation < 4 units GAS SPHT	**1.5**	**0.4**
Knee wall insulation < 4 units ELE SPHT	**6.1**	**1.3**
Knee wall insulation < 4 units GAS SPHT	**1.5**	**0.3**
Rim joist insulation < 4 units ELE SPHT	**6.1**	**1.3**
Rim joist insulation < 4 units GAS SPHT	**1.5**	**0.3**

EnergyTrust of Oregon

Program Impact of Changes

Impact on Existing Multifamily

- Average of 6,500 therms over the past two years
- Average represents less than 5% of gas savings for 2013

Impact on Existing Buildings

- Average savings represents less than 1% of gas savings

Impact on Energy Trust

- Minimal savings impact associated with change.
- No measures affected included in MPower Oregon Pilot

EnergyTrust of Oregon

Measure Change Summary

- For all multifamily buildings with gas space heat, discontinue ceiling insulation and floor insulation.
- For small multifamily buildings with gas space heat, also discontinue wall insulation, knee wall insulation, and rim joist insulation.
- Where technically feasible to do so, increase the specification for ceiling insulation to R49 for buildings with electric space heat to align with ODOE's tax credits for Small Premium Projects.
- No changes to other similar measures for electric space heat

EnergyTrust of Oregon

What Fills the Gas Pipeline?

Custom Track Growth

- Custom track savings represented over 31% of all 2012 gas savings.
- Identified pipeline projects represent over 50% of 2013 gas stretch goals met through the custom track.

More Therms Through Direct Install

- Instant Savings Measures made up over 60% of all 2012 gas savings.
- Addition of smaller properties will yield gas savings through direct install. Correlation of more gas savings through ISMs when the average number of dwelling units at a property gets lower.

New Prescriptive Gas Measures and Initiatives

- Demand Control System for Domestic Hot Water Circulation
- Expansion of HE Clothes Washer midstream buy down promotion through multifamily distributors
- Proposed 2013 launch of midstream buy down of HE Water Heaters
- Proposed 2013 launch of multifamily steam trap initiative

EnergyTrust of Oregon

Next steps…

Duct Insulation Analysis

- Savings from duct insulation are uncertain.
- Billing analysis conducted this year will help to clarify the savings.
- Multifamily and single family duct insulation measures will be reviewed and aligned with each other.

Collateral and Form Changes for Existing Multifamily

- Measure changes will be reflected on website, forms and marketing collateral on April 1, 2013
- Projects completed under previous incentive offerings will be honored at the previous incentive rate if submitted within 90 days of project completion.

EnergyTrust of Oregon