Energy Trust of Oregon

Plan to Accelerate Gas Activity

April 23, 2007

Energy Trust of Oregon, Inc.

Plan to Accelerate Gas Activity

- This document outlines efforts to accelerate savings for gas programs.
- Context for 2007
  - $10.4M projected revenues
  - $10.5M projected expenditures
  - $7M 2006 carryover

- Note: several of the following items combine gas and electric efficiency measures, which sometimes is the best avenue to accelerate gas.

EnergyTrust of Oregon, Inc.

Accomplished: Overall

- Incorporated gas in all non-industrial programs
- Significant savings from new/existing commercial and residential sectors including appliances
- Significant savings volume increase over pre-Energy Trust programs
- Built regional and national relationships to develop markets and share ideas and strategies
- Participated in national meeting to establish gas market transformation priorities

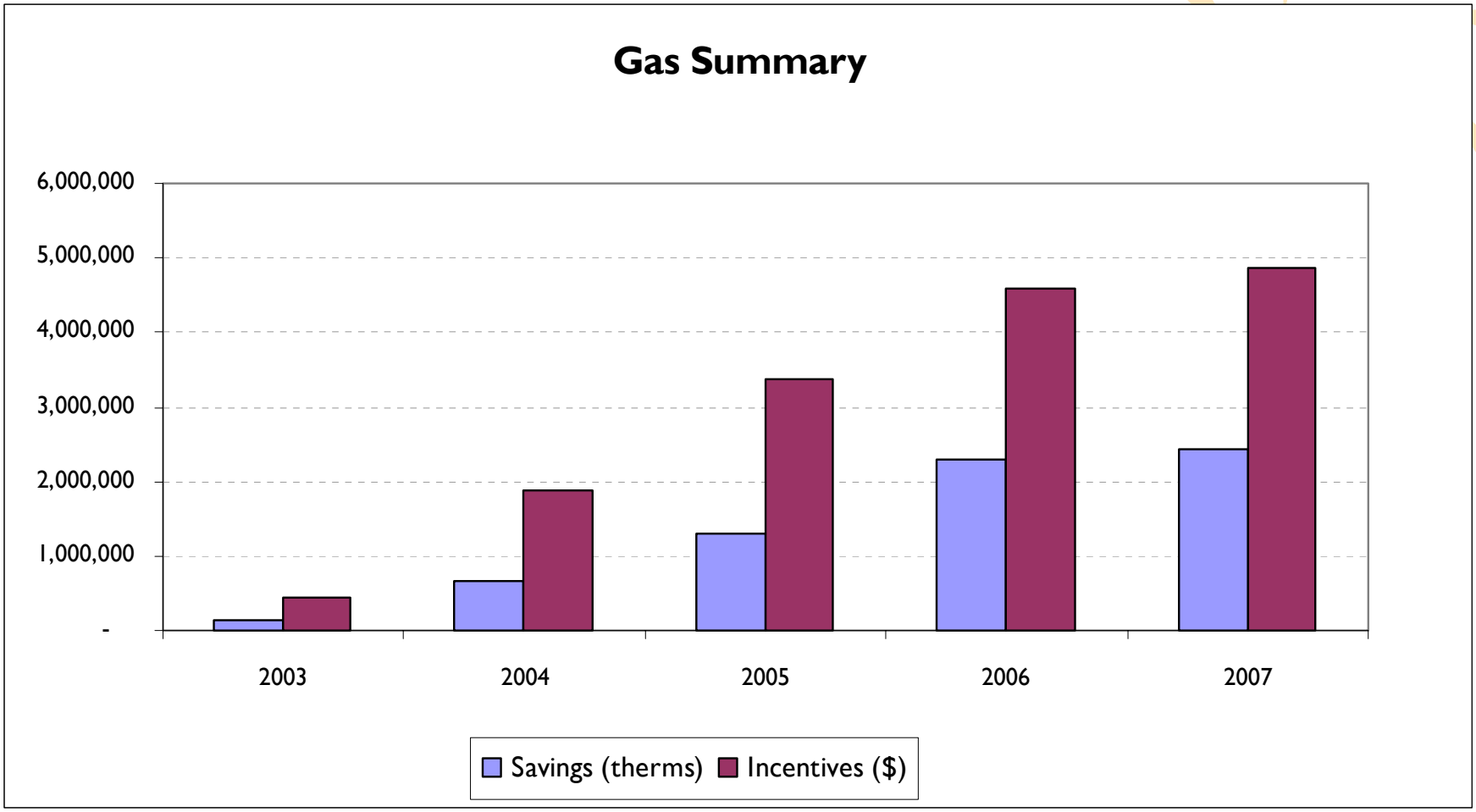
EnergyTrust of Oregon, Inc.

Accomplished: Overall (cont'd)

- Organized and chaired session at national conference on gas market transformation
- Now serve two gas utilities in Oregon and deliver one program for the third, allowing for a more holistic approach to Oregon markets

EnergyTrust of Oregon, Inc.

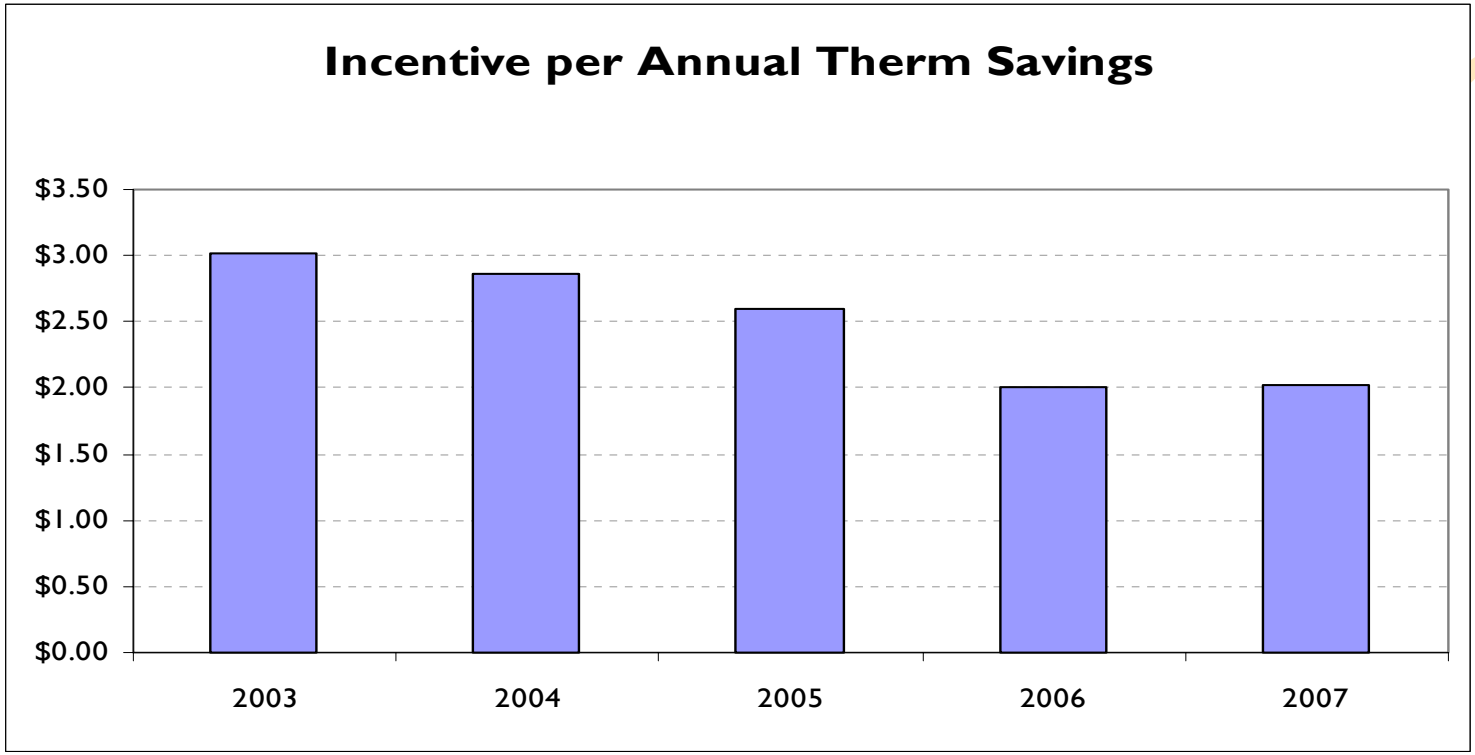
Gas Incentives and Savings



2007 Budget assumes a non-aggressive goal but meeting demand and building infrastructure for significant savings increases in 2008.

EnergyTrust of Oregon, Inc.

Incentive Cost Per Annual Therm



EnergyTrust of Oregon, Inc.

Accomplished: Residential

- New incentives available for efficient gas fireplaces
- New incentive available for tankless water heaters
- New incentive available for Energy Star "plus" new homes
- New incentives available for new multifamily homes
- New spiff for furnaces in new homes
- Simplified/consistent incentives for gas & electric weatherization

EnergyTrust of Oregon, Inc.

Accomplished: Commercial

- New incentive available for commercial washers
- Increased boiler incentives
- New or increased incentives for several food service measures

EnergyTrust of Oregon, Inc.

Next six months: Overall

- Promote all the new incentives listed above through new targeted initiatives within programs
  - EG: June bill stuffer and promotional offer for tankless water heat

EnergyTrust of Oregon, Inc.

Next six months: Residential

- ENERGY STAR homes/code transition- will capture market transformation savings
- Conducting market research on how to accelerate weatherization
- Cost effectiveness screening for dishwashers
- Expand outreach effort for solar thermal applications

EnergyTrust of Oregon, Inc.

Next six months: Commercial and Light Industrial

- Build lodging and foodservice initiative off of restaurant initiative
  - Hi-E cooking equipment
  - Hi-E water heater
  - Hi-E thru-wall gas heaters
- Research to validate savings from radiant heat
- Cost effectiveness screening for dry cleaner steam trap replacement

EnergyTrust of Oregon, Inc.

Next six months: Commercial and Light Industrial (cont'd)

- Target nursery heating and efficient glazing systems
  - Cost effectiveness screening for greenhouse window film
- Exploring biofuels to supplant gas boiler loads
- Target smaller industrial operations that contribute to PPC through Production Efficiency small industrial initiative
  - Boiler efficiency upgrades
  - Steam trap replacement
  - Radiant heating opportunities

EnergyTrust of Oregon, Inc.

Next six months: Commercial and Light Industrial (cont'd)

- Perform training outreach sessions to contractors and users about gas efficiency technologies and strategies
- Establish closer ties with public electric utilities for referrals and comprehensive services to customers
- Expand outreach effort for solar thermal applications

EnergyTrust of Oregon, Inc.

Late 07-08: Residential

- Promote HI-E water heaters (EF=.70) as soon as available.
- Research to validate savings from tankless water heaters
- Develop more advanced ENERGY STAR new home program

EnergyTrust of Oregon, Inc.

Late 07-08: Commercial

- Developing enhanced small new building incentive offering
- Review pre-rinse spray valve performance
- Heat recovery from refrigeration for heating hot water and space heat (groceries)
- More large new buildings in 08
- Continue facilitating the introduction of Hi-E gas options for packaged roof-top HVAC equipment
- Continue to market solar thermal applications

EnergyTrust of Oregon, Inc.

Long Term Exploration: Residential

- Figure out niche and cost effectiveness for space/water heating combo units
- Explore residential home energy feedback devices, if they become available for gas
- Complete furnace market transformation
- Explore advanced home duct control technologies

EnergyTrust of Oregon, Inc.

Long Term Exploration: Commercial

- Marketing for more commercial equipment (tankless water heat for restaurants?)

EnergyTrust of Oregon, Inc.