Path to Net-Zero Pilot

Installation Incentives

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Path to Net-Zero Pilot

- Launched May 1, 2009
- Purpose: Encourage market to move to high-performance design in pursuit of a net-zero standard
- Net-Zero site energy: Buildings that generate on-site all of the energy that they consume on an annual basis. Energy consumption and generation is calculated in kBTU to capture both electric and gas sources.
- Budget: $580,000 in 2009 and $2 million in 2010

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Eligibility

- Projects must be at least 50% better than 2007 Oregon Code AND at least another 10% better than Oregon Code through any combination of energy efficiency and on-site renewable energy generation

- Projects must be in schematic design phase or earlier

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Enrolled Projects

- Pilot is close to capacity – 11 projects enrolled (nearly 800,000 sf)
- 7 projects are striving for net-zero site energy use. Others have minimum goals of 60% more efficient than current Oregon code.
- Building types: school, retail, office, multifamily residential
- Building sizes range from 1,500 sf to 500,000 sf

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Incentive Payment Milestones and Rollout Schedule

- Early Design Assistance: May 1, 2009
- Technical Assistance: July 1, 2009
- Installation: October 1, 2009
- Measurement and Verification: December 1, 2009

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Current Offerings

- **Early Design Assistance**: Up to $10,000 to help offset the cost of an integrated design charrette
- **Technical Assistance**: Up to $50,000 for energy studies and building simulation modeling

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Future Offering: Installation Incentive

- To be released October 1, 2009
- Projects that demonstrate modeled savings of at least 50% energy savings through energy efficiency and at least 60% energy savings through any combination of energy efficiency and on-site renewable energy
- Incentive calculated at **$0.20/kWh and $1.60/therm** (twice the current Custom Track incentive for new construction) for energy savings on approved measures
- Incentivized measures will be site-verified by the program
- New Buildings program and Energy Trust Planning are working on detailing a more forward-looking cost-effectiveness protocol for the purposes of piloting technologies that are poised to be cost-effective in the future

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Future Offering: Monitoring & Verification

- To be released December 1, 2009
- Projects will be required to provide a minimum level of whole building performance data
  - What level of data resolution should be required?
  - Should requirements vary based on building type and/or size?

Potentially two types of incentives:

1. Assistance with M&V equipment, personnel, or planning (e.g. a per-meter incentive, M&V plan)
2. Incentive for achieving successful design, installation, and operation
   - Tiered incentive based on level of savings, so that a truly net-zero building earns higher incentives than a 60% better building
   - Paid after 12-18 months of operation

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Questions and Comments

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