Heat Pumps & Integrated Controls

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Heat Pumps & Energy Optimization

- New Rules
- The Challenges
- The Solution
- Implementation Considerations
New Rules

“The 2019-2021 Plan will provide a more holistic and integrated approach to helping customers reduce total energy use”

- Previously able to claim savings on the difference between standard efficiency and energy efficient model
- Now have ability to claim savings from heating fuel displacement
- Focus is on reducing oil & propane use through deployment of heat pumps
Customers are not operating heat pumps in a way that maximizes heating savings

- Evaluation reporting minimal winter runtime hours
- Installing for AC capabilities
- Must interact with multiple controls and make daily decision
- Breaking old habits
The Solution

Use an integrated control that will seamlessly transition between multiple HVAC systems

- Use outdoor air temperature as trigger (economical, comfort, etc.)
- Maximize heat pump runtime
- Remove customer interaction and decision
- Encourage whole home/zone displacement
Implementation Considerations

- Solution for central, mixed duct and ductless HP
- Availability of integrated controls
- Customer & Market education
- Equipment limitations
- Weatherization requirement
Questions?

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