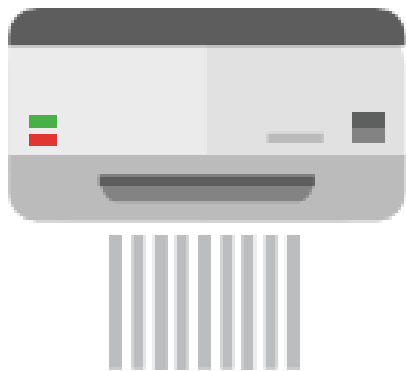


Heat Pumps & Integrated Controls

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



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

- ⑩ Previously able to claim savings on the difference between standard efficiency and energy efficient model
- ⑩ Now have ability to claim savings from heating fuel displacement
- ⑩ 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

- ⑩ Evaluation reporting minimal winter runtime hours
- ⑩ Installing for AC capabilities
- ⑩ Must interact with multiple controls and make daily decision
- ⑩ Breaking old habits

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

- ⑩ Use outdoor air temperature as trigger (economical, comfort, etc.)
- ⑩ Maximize heat pump runtime
- ⑩ Remove customer interaction and decision
- ⑩ Encourage whole home/zone displacement

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

Questions?

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