



Minnesota TRM
Heat Pump Working Group
July 30, 2014

Agenda

1. Measure Review/Discussion

- Commercial Heat Pump Systems
- Residential Central AC/ASHP
- Residential AC/ASHP QI
- Residential AC/ASHP Tune-Up
- Residential ECM Motors Furnace Fans
- Residential Dehumidifier

2. Wrap Up

Commercial Heat Pump Systems

- Measure Design
 - Equipment Size
 - SEER/EER; HSPF
 - Working or Failed
 - Building Type, Project Location
 - No Oversizing Factor unlike Furnaces
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Residential Central AC/ ASHP

- Measure Design
 - Equipment Size
 - SEER/EER; HSPF
 - Working or Failed
 - Building Type, Project Location

Residential Central AC/ ASHP

- Does not include any QI factors
 - ASHP now includes heating savings
 - ASHP Heating
 - Baseline is standard efficiency ASHP
 - Previously was electric resistance
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Residential AC/ ASHP QI

- Measure Design
 - Equipment Size
 - SEER/EER; HSPF
 - Existing or New Construction
 - Building Type, Project Location
 - Measure Life Set to 18 years
 - Incremental Cost
 - Increased to \$250 from \$100
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Residential AC/ ASHP Tune-Up

- Measure Design
 - Equipment Size
 - SEER
 - Actual Cost of Tune Up
 - Building Type, Project Location
 - Measure Life Decreased from 3 years to 2 years
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Residential ECM Motors Furnace Fans

- Measure Design
 - Central AC Present
- Measure does not consider Climate Zone

Residential Dehumidifier

- Measure Design
 - Unit Size (pints/day)
- Measure added to ESP this month

Wrap-up

- Takeaways
- Next Steps

Thank you!

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