Were these units installed properly?

30% improvement by adjusting airflow

20% improvement by adjusting refrigerant charge

Research outline

**MARKET RESEARCH**
- Conduct a review of utility QI/QM programs
- Conduct 50 one-on-one interviews with HVAC-industry professionals
- Conduct MN stakeholder meetings on QI/QM
- Conduct a survey of approximately 1,000 MN homeowners about maintenance practices

**FIELD RESEARCH**
- Target a random sample of 120 central AC/furnace systems or ASHP systems
- Conduct on-site testing for 120 sites
- Conduct on-going monitoring for 60 systems

INCIDENCE OF COOLING ADJUSTMENTS

INCIDENCE OF HEATING ADJUSTMENTS

COOLING EFFICIENCY IMPROVEMENT

FINAL REPORT EXPECTED
JANUARY, 2016

FOR MORE INFORMATION
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