NYSERDA Ductless Mini-split Heat Pump Market Characterization Study

## D-1 Appendix D - "New" Secondary Sources

DMSHP Market Characterization Study

## Survey of "New" Secondary Research

D-2 NYSERDA Ductless Mini-split Heat Pump Market Characterization Study

Following a 2014 NEEP DMSHP Meta Study, an additional 18 reports were reviewed to support this DMSHP effort. The following two slides includes the full list of sources .

- Bonneville Power Administration. "HVAC Market Intelligence Report". 2016.
- Cadmus. "Interaction of Cold Weather Ductless Heat Pumps and Primary Fossil Systems". 2016.
- Cadmus, National Grid. "Ductless Mini-Split Heat Pump Systems: The Answers to Questions about Efficiency You Didn't Know You Had". 2016.
- □ <u>Center for Energy and Environment, American Council for an Energy-Efficiency Economy. "Field</u> <u>Assessment of Cold Climate Air Source Heat Pumps". 2016.</u>
- □ <u>Connecticut Energy Efficiency Board. "R113 Ductless Heat Pump Evaluation". 2016.</u>
- Ecotope, Inc. "Performance Testing of Variable Capacity Heat Pumps in the Pacific Northwest". 2016.
- □ Navigant. "A Ductless Heat Pump in Every Pot...or Home?" 2015.
- Navigant, Eversource, Cadmus. "The Humpty Dumpty of Heating: Piecing Together an Understanding of Ductless Mini-Split Heat Pump Usage in the Northeast". 2015.
- New York State Energy Research and Development Authority. "Heat Pump Potential for Energy Savings in New York State". 2015.

## Survey of "New" Secondary Research

D-3 NYSERDA Ductless Mini-split Heat Pump Market Characterization Study

- New York State Energy Research and Development Authority. "Residential Baseline Study Volume Three HVAC Market Assessment Final Report". 2015.
- Northeast Energy Efficiency Partnership. "Northeast/Mid-Atlantic Air-Source Heat Pump Market Strategies Report 2016 Update". 2017.
- Northwest Energy Efficiency Alliance. "Consumer Messaging for Ductless Heat Pumps and Heat Pump Water Heaters". 2015.
- Northwest Energy Efficiency Alliance. "Residential Inverter-Driven Heat Pump Technical and Market Assessment". 2015.
- Northwest Energy Efficiency Alliance. "Northwest Ductless Heat Pump Initiative: Market Progress Evaluation Report #4". 2015.
- The Electric and Gas Program Administrators of Massachusetts and Rhode Island. "Ductless Mini-Split Heat Pump Impact Evaluation". 2016.
- United States Department of Energy, Energy Efficiency and Renewable Energy. "Building America Case Study: Field Performance of Inverter-Driven Heat Pumps in Cold Climates". 2015.
- United States Department of Energy, Energy Efficiency and Renewable Energy. "Field Performance of Inverter Driven Heat Pumps in Cold Climates". 2015.
- United States Department of Energy, Energy Efficiency and Renewable Energy. "Mini-Split Heat Pumps Multifamily Retrofit Feasibility Study". 2014.