

ISSUES IN RESIDENTIAL HVAC AND APPLIANCES

Moderator: Scott Pigg, Seventhwave

PAPERS:

Evaluating Cold Climate Heat Pumps: Understanding How and Where Cold Climate Heat Pumps Can Displace Less Efficient Heating Sources

Dave Korn, PE, CEM, Cadmus Group
John Walczyk, CEM, Cadmus Group
Ari Jackson, Cadmus Group

Accounting for Real-Life Conditions in Mini-Split Heat Pump Savings: Findings from a Billing Analysis

Marie-Claude Hamelin, Econoler
Marie Couture-Roy, Econoler
Mai Thi Do, Econoler
Émilie Chartrand, Econoler

Issues with Evaluation of Early Replacement HVAC Projects Rebated through the Home Performance with Energy Star Program

Joe Loper, Itron

Gauging Consumer Appetite for Super Efficient (Heat Pump) Dryers

Amy Webb-Cabrera, Northwest Energy Efficiency Alliance
Dr. Ted Helvoigt, Evergreen Economics
Stephanie Q. Baker, Northwest Energy Efficiency Alliance
Ingo Bensch, Evergreen Economics

SESSION SUMMARY:

This session focuses on evaluation and market research issues for programs that promote big-ticket heating and cooling equipment—and other appliances—in the residential sector. Two papers look at evaluation issues related to increasingly popular ductless heat pumps, which typically only partially offset the need for existing heating equipment. A third paper grapples with thorny questions about how programs can appropriately stimulate early retirement of inefficient HVAC systems—and how evaluators can document the extent to which those programs achieve this goal. The final paper looks at the market potential for super-efficient, heat-pump clothes dryers, which—like the tale of high-efficiency clothes washers that came before—are common in Europe but have only just begun to make inroads in the North American market.