

Residential Heat Pump and Air Conditioner Research, Demonstration and Deployment; Improving Pacific Northwest Utility and State HVAC Programs.

The project is focused on discovering the simplest means to diagnose and optimize the new generation of high performance heat pumps and air conditioners and to integrate these diagnostic and optimization tools into the energy efficiency programs operated by the SEOs and utilities of the Pacific Northwest.

Total project cost: \$1,420,000

Funding request: \$630,000

Project Lead: Idaho Department of Water Resources, Energy Division

Project Participants: Northwest Power and Conservation Council, Bonneville Power Administration, Energy Trust of Oregon, Oregon Department of Energy, Washington State University Extension Service, Ecotope Inc., Stellar Processes, NEEA, NW Power and Conservation Council, Plus representative utilities

Start Date: March 23, 2006

End Date: March 23, 2008

Presentations/Publications

No publications based on or about the project were created or published during the quarter. The project was presented at an informal session on Thursday, August 17, 2006 at the ACEEE Summer Study on Energy Efficiency in Buildings. Attendance was small, but included the program partners and several people interested in heat pumps from around the nation.

The Oregon Department of Energy presented information about the project research agenda to Oregon solar energy system installers at Solar Expo Northwest. The role of high performance HVAC systems in net energy homes was explained.

Patents

None.

Progress in Past Quarter and Current Status

Plans for Next Quarter: