

## **SESSION 1C**

### **A HOME FOR EVALUATION**

*Moderator: Matthew Murray, Energy Saving Trust*

#### PAPERS:

##### **Ductless Heat Pumps for Residential Customers in Connecticut**

Joseph R. Swift, The Connecticut Light & Power Company  
Rebecca A. Meyer, The Connecticut Light & Power Company

##### **The Sun Devil in the Details: Lessons Learned from Residential HVAC Programs in the Desert Southwest**

Justin Spencer, Navigant Consulting  
Chris Newton, Navigant Consulting  
Kevin Cooney, Navigant Consulting  
Marshall Keneipp, Navigant Consulting

##### **A Household Panel for Energy Efficiency Works Monitoring: A Key Methodology to Assess the Impact of Policies in the Existing Building Sector**

Didier Bosseboeuf, ADEME

#### SESSION SUMMARY:

This session will focus on the evaluation of energy efficiency measures in residential homes and the influence that the evaluation can have on policy initiatives or how evaluation can assist in understanding the impact of different policies.

Two of the papers relate to the energy efficiency of specific equipment, one dealing with ductless heat pumps, the other with air conditioning systems. These evaluations set out how on-site measurements were used to establish energy savings deriving from the operation of the equipment and means to identify factors that drive performance and energy savings. The results of the evaluations set out implications for policy makers for the operating framework or administration of energy efficiency programmes that include ductless heat pumps or air conditioning systems.

The third paper describes the survey methodology used to evaluate the energy savings from a mix of household policies resulting in the implementation of a range of energy efficiency measures such as insulation, boilers and double glazing. A representative panel of 10,000 households is used and the results provide an understanding of the contribution of individual policies to the overall energy saving impact from the policy mix that includes policies such as tax credits and zero interest eco loans. The methodology will show how the evaluation issues of free-riders and double counting between several policies targeted towards households, can be addressed.