

SESSION 9C

UPSTREAM/DOWNSTREAM

The papers in this session explore issues related to different parts of the market for energy products. These issues range from improving our understanding of how markets operate and the conception of programs to end of life issues related to refrigerator mortality.

Moderator: Jim Mapp, Ph.D., Wisconsin Division of Energy

PAPERS:

Another Link in the Chain: Characterizing the Wisconsin C&I HVAC Supply Market

Michael Rufo, Quantum Consulting

Michael Sedmak, Quantum Consulting

Philippus Willems, Quantum Consulting

Evaluation of the Energy and Environmental Effects of the California Appliance Early Retirement and Recycling Program

Eric Daly, ICF Consulting

Val Jensen, ICF Consulting

Bruce Wall, Appliance Recycling Centers of America

The Operations of the Used Refrigerator Market – Interviews with Used Refrigerator Dealers: A Qualitative Assessment

Nick P. Hall, TecMarket Works

SESSION SUMMARY:

The papers in this session explore issues related to different parts of the market for energy products. The first paper analyzes the supply chain for commercial and industrial HVAC equipment to identify points of influence to improve energy efficiency. This paper provides an improved understanding of supply chain structures, product flows and market actor practices with regard to improving the effectiveness of programs. The final two papers discuss residential refrigerator programs and cover issues such as program impacts and the used appliance market. The first discusses the energy and environmental impacts of an early retirement and recycling program for refrigerators in the California market. This paper includes a review of significant uncertainty in key performance parameters. The second looks at the structure of and program impacts on the used appliance market in Wisconsin. This paper describes two different acquisition streams that feed the secondary refrigerator market and how appliance turn-in program can effect the characteristics of refrigerators sold through the secondary market.

