

CONTENTS

PANEL 8: INTRODUCTION

Socio-Technical Networks and the Sad Case of the Condensing Boiler

Nick Banks, *Environmental Change Institute, University of Oxford*

Why Innovation Happens: Structured Actors and Emergent Outcomes in the Commercial Buildings Sector

Thomas D. Beamish, *University of California-Davis*

Rick Kunkle, *Washington State University*

Loren Lutzenhiser, *Washington State University*

Nicole W. Biggart, *University of California*

Organizing People for Technological Change: System-Building in the Energy-Efficient Mortgage Movement

Bryan E. Burke, *Washington State University*

Organizing Energy: Consumption, Production, and Co-Provision

Heather Chappells, *Centre for Science Studies, Lancaster University*

Elizabeth Shove, *Centre for Science Studies, Lancaster University*

Transforming Appliance Markets in India: Consumer Research Leads the Way

Linda Dethman, *Dethman & Tangora, LLC*

Indira Unninaray, *Taylor Nelson Sofres Mode*

Mark Tribble, *International Resources Group*

Revealing Myths about People, Energy, and Buildings

Rick Diamond, *Lawrence Berkeley National Laboratory*

Mithra Moezzi, *Lawrence Berkeley National Laboratory*

Interim Findings of an Evaluation of the U.S. EnergyGuide Label

Christine Egan, *American Council for an Energy-Efficient Economy*

Christopher T. Payne, *Lawrence Berkeley National Laboratory*

Jennifer Thorne, *American Council for an Energy-Efficient Economy*

Some Recent Research on the Markets for Residential Renewable Energy

Barbara C. Farhar, *National Renewable Energy Laboratory*

Timothy C. Coburn, *Abilene Christian University*

Energy Codes and Standards: Time Dependent Valuation, A New Source Energy Basis

Gary Fernstrom, *Pacific Gas and Electric Company*

Patrick Eilert, *Pacific Gas and Electric Company*

Doug Mahone, *Heschong Mahone Group*

Jon McHugh, *Heschong Mahone Group*

Brian Horii, *E3*

Snuller Price, *E3*

Dan Engel, *Consultant*

Evaluating the Impacts of Education/Outreach Programs—Lessons on Impacts, Methods, and Optimal Education

John Green, *Skumatz Economic Research Associates, Inc.*

Lisa A. Skumatz, *Skumatz Economic Research Associates, Inc.*

Pay Now, Save Later: Using Conjoint Analysis to Estimate Consumers' Willingness to Pay for Energy Efficiency

Stephen Grover, *ECONorthwest*

Bill Babiuch, *National Renewable Energy Laboratory*

Daylighting and Productivity: Elementary Schools Studies

Lisa Heschong, *Heschong Mahone Group*

Roger Wright, *RLW Analytics*

Stacia Okura, *RLW Analytics*

Implications of Ownership: An Exploration of the Class of 1999 ENERGY STAR® Buildings

Kathryn Janda, *American Association for the Advancement of Science Fellow*

Stuart Brodsky, *U.S. Environmental Protection Agency*

A Unique Plan to Build Energy Efficiency into Sri Lanka's Restructured Electricity Market

Mahendra S. Jayalath, *Ceylon Electricity Board*

Influencing the Purchase of Energy Efficient Products in Public Organizations: It's Not as Easy as It Looks

Rick Kunkle, *Washington State University Energy Program*

Loren Lutzenhiser, *Washington State University*

Linda Dethman, *Dethman and Associates*

Collecting Energy-Related Consumer Behavior Information in the Real World

Nancy L. Leach, *U.S. Energy Information Administration*

Robert B. Latta, *U.S. Energy Information Administration*

Michael T. Laurence, *U.S. Energy Information Administration*

Lifestyle, Status, and Energy Consumption

Loren Lutzenhiser, *Washington State University*
Marcia Hill Gossard, *Washington State University*

Energy Efficiency Equals Energy, Economic, and Environmental Benefits

Charlie Middleton, *Pacific Gas and Electric Company*
Pam Murray, *Pacific Gas and Electric Company*
Grant Brohard, *Pacific Gas and Electric Company*

Programmable Thermostats That Go Berserk? Taking a Social Perspective on Space Heating in Wisconsin

Monica J. Nevius, *Energy Center of Wisconsin and Departments of Sociology and Rural Sociology, University of Wisconsin-Madison*
Scott Pigg, *Energy Center of Wisconsin*

Skylighting and Retail Sales

Stacia Okura, *RLW Analytics*
Lisa Heschong, *The Heschong Mahone Group*
Roger Wright, *RLW Analytics*

Energy-Related Practices and Investment Criteria of Corporate Decision Makers

Gretchen Parker, *Institute for Market Transformation*
Mark Chao, *Institute for Market Transformation*
Ken Gillespie, *Pacific Gas & Electric Company*

Utility Bill Comprehension in the Commercial & Industrial Sector: Results of Field Research

Christopher T. Payne, *Lawrence Berkeley National Laboratory*

Detecting Behavioral Change from a Visit to a Children's Museum Energy Conservation Exhibit

Jane S. Peters, *Research Into Action, Inc.*
Marjorie McRae, *Research Into Action, Inc.*
Lyn Morander, *Wisconsin Electric Company*
Doug O'Brien, *Wisconsin Electric Company*

Cooler Reflective Pavements Give Benefits Beyond Energy Savings: Durability and Illumination

Melvin Pomerantz, *Lawrence Berkeley National Laboratory*
Hashem Akbari, *Lawrence Berkeley National Laboratory*
John T. Harvey, *Institute of Transportation Studies, UC Berkeley*

Non-Energy Benefits of Weatherization and Low-Income Residential Programs: The 1999 Mega-Meta-Study

Jeff Riggert, *TecMRKT Works*
Nick Hall, *TecMRKT Works*
John Reed, *TecMRKT Works*
Andrew Oh, *TecMRKT Works*

Occupant Comfort, Control, and Satisfaction in Three California Mixed-Mode Office Buildings

Erik W. Ring, *Center for the Built Environment, UC Berkeley*
Gail S. Brager, *Center for the Built Environment, UC Berkeley*

Why We Should Change Our Message from "Use Energy Efficiently" to "Use Less Energy"

Andrew Rudin, *Energy Management Consultant*

Innovation Adoption Processes for Third Party Property Management Companies

Chris Shockman, *Shockman Consulting*
Mary Ann Piette, *Lawrence Berkeley National Laboratory*

Non-Energy Benefits in the Residential and Non-Residential Sectors—Innovative Measurements and Results for Participant Benefits

Lisa A. Skumatz, *Skumatz Economic Research Associates, Inc.*
Chris An Dickerson, *Pacific Gas and Electric Company*
Brian Coates, *Seattle City Light*

Public Health Concerns and Opportunities for Energy Efficiency Upgrades in Subsidized Housing

John Snell, *Peregrine Energy Group*
Megan Sandel MD, *Boston Medical Center*
Jean Zotter, *Boston Medical Center*
Deborah George, *Independent Consultant*
Kate Bennett, *Boston Housing Authority*

Taking the Pulse of Thailand's DSM Market Transformation Programs

Iris M. Sulyma, *British Columbia Hydro*
F. K. H. Chin, *EEC Energetics*
P. T. du Pont, *International Institute for Energy Conservation, Asia*
D. Ference, *Ference Weicker & Co. Ltd.*
J. Martin, *AGRA Earth & Environment*
N. Phumaraphand, *Electricity Generating Authority of Thailand*
K. H. Tiedemann, *British Columbia Hydro*
G. Wikler, *EGAT DSM Advisor's Office*
S. Zariffa, *Bureau d'Etudes Zariffa Inc.*

Analyzing Consumer Behavior for Setting Energy Efficiency Program Priorities

Christie Torok, *Quantum Consulting*

John Cavalli, *Quantum Consulting*

Lifestyles and Energy Use: Are Eco-Pioneers Different from Mr. and Mrs. Average?

Christoph Weber, *University of Stuttgart, IER*

Alexander Schwarze, *University of Stuttgart, IER*

Beate Gebhardt, *University of Stuttgart, IER*

Katrin Hausser, *University Hohenheim, LKV*

Sabine Schroedl, *University Hohenheim, LKV*

Energy-Relevant Decisions in Organizations Within Office Buildings

Lukas Weber, *Swiss Federal Institute of Technology*

Twenty Years of Energy Demand Management: We Know More About Behavior but How Much Do We Really Know About Demand?

Harold Wilhite, *University of Oslo*

Elizabeth Shove, *University of Lancaster*

Loren Lutzenhiser, *Washington State University*

Willett Kempton, *University of Delaware*