

## **4 Commercial Buildings: Program Design, Implementation, and Evaluation**

### **Using Energy Information Services as a Delivery Channel for Energy Efficiency**

Don Anderson, ICF Consulting

Bill Von Neida, U.S. Environmental Protection Agency

Jennifer Taylor, ICF Consulting

### **Non-Energy Benefits (NEBs) in the Commercial Sector: Results from Hundreds of Buildings**

Charles Bicknell, Skumatz Economic Research Associates, Inc.

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

### **An Evaluation of Savings and Measure Persistence from Retro-Commissioning of Large Commercial Office Buildings**

Norman J. Bourassa, Lawrence Berkeley National Laboratory

Mary Ann Piette, Lawrence Berkeley National Laboratory

Naoya Motegi, Lawrence Berkeley National Laboratory

## **Assessing the Impacts of Energy Saving Products and Technologies: The Importance of Revealing Underlying Assumptions**

Martha Brook, California Energy Commission  
David M. Anderson, Pacific Northwest National Laboratory  
Michael R. Brambley, Pacific Northwest National Laboratory  
Michael Kintner-Meyer, Pacific Northwest National Laboratory

## **Real-Time Evaluation: Blurring the Line between Program, Evaluation and Market Research**

David Cohan, Northwest Energy Efficiency Alliance  
Richard Hazzard, Energy Market Innovations, Inc.  
Robert Bordner, Energy Market Innovations, Inc.

## **Building Performance Analysis: Energy Benchmarking of New York State Schools**

Gregory Coleman, TRC Energy Services  
Cyrus Afshar, TRC Energy Services

## **Market Research in MT Program Design: Commercial Windows in the Pacific Northwest**

Philipp Degens, Northwest Energy Efficiency Alliance  
John Jennings, Northwest Energy Efficiency Alliance  
Gary Curtis, West Wall Group

## **Changing the Mind Set on Commercial Building Design**

Mark Eggers, New York State Energy Research and Development Authority

## **Raising the Bar: How California's New 2005 Standard Saves 478 GWh and 181 MW a Year**

Charles Eley, Architectural Energy Corporation  
Bill Pennington, California Energy Commission  
Gary Fernstrom, Pacific Gas and Electric

## **California Self-Generation Incentive Program Evaluation**

Brenda Gettig, Itron, Inc.  
Patrick Lilly, Itron, Inc.  
Alan Fields, Itron, Inc.  
Kurt Scheuermann, Itron, Inc.  
Lori Kudo, Itron, Inc.  
Pierre Landry, Southern California Edison

## **Realizing Demand Response Capabilities and Energy Savings in Small Commercial Retail Chain Customers**

Michael J. Gibbs, ICF Consulting  
Michael Messenger, California Energy Commission

## **Measurement and Verification Evaluation of Demand Response Impact for the New York Energy \$mart<sup>SM</sup> Peak Load Reduction Program**

Dakers Gowans, Nexant, Inc.  
Daniel Osei-Antwi, Nexant, Inc.  
Jim Bradford, Nexant, Inc.  
Lee Smith, New York State Energy and Research Development Authority

## **Non-Energy Benefits from Commercial & Industrial Programs: What Are the Benefits and Why Are They Important to Participants?**

Nick Hall, TecMarket Works

Johna Roth, TecMarket Works

## **Comparing Commercial Building Energy Use Around the World**

Adam Hinge, Sustainable Energy Partnerships

Paolo Bertoldi, European Commission, Directorate General JRC

Paul Waide, International Energy Agency

## **Scenario-Based R&D Portfolio Analysis: Informing the Tough Decisions**

Donna J. Hostick, Pacific Northwest National Laboratory

David M. Anderson, Pacific Northwest National Laboratory

David B. Belzer, Pacific Northwest National Laboratory

Katherine Allen Cort, Pacific Northwest National Laboratory

Jerome P. Dion, U.S. Department of Energy

James A. Dirks, Pacific Northwest National Laboratory

Sean C. McDonald, Pacific Northwest National Laboratory

## **The High Performance Solution: A New Approach to Commercial New Construction**

Jeffrey Johnson, New Buildings Institute

Abby Vogen, Energy Center of Wisconsin

## **How Can You Capture the Other Half of the Market? Efficiency Vermont's Strategy for Small Commercial New Construction**

Jonathan Kleinman, Vermont Energy Investment Corporation

Arun Veda, Vermont Energy Investment Corporation

## **EnergySmart Grocer: Mapping Industry Connections Delivers Success**

Diane Levin, Portland Energy Conservation, Inc.

Linda Irvine, Portland Energy Conservation, Inc.

## **Unlocking the Potential for Efficiency and Demand Response through Advanced Metering**

Roger Levy, Levy Associates

Karen Herter, Lawrence Berkeley National Laboratory

John Wilson, California Energy Commission

## **A Revolutionary Approach to Evaluation: NYSERDA's Portfolio Model**

Douglas Mahone, Heschong Mahone Group Inc.

Paul A. DeCotis, New York State Energy Research and Development Authority

Helen Kim, New York State Energy Research and Development Authority

Cathy Chappell, Heschong Mahone Group Inc.

## **Recent Advances in Energy Codes in Russia and Kazakhstan: Innovation, Energy Savings, Market Transformation**

Yurij A. Matrosov, Center for Energy Efficiency

Mark Chao, Institute for Market Transformation

David B. Goldstein, Natural Resources Defense Council

Cliff Majersik, Institute for Market Transformation

### **Beyond Energy Code-Based Models for Commercial Building New Construction Programs with an Emphasis on Lighting Initiatives**

Brian McCowan, Energy & Resource Solutions, Inc.  
Gary Epstein, Energy & Resource Solutions, Inc.  
Mark D'Antonio, Energy & Resource Solutions, Inc.  
Doug Baston, Northeast by Northwest

### **Amplifying Real Estate Value through Energy & Water Management: From ESCO to "Energy Services Partner"**

Evan Mills, Lawrence Berkeley National Laboratory

### **Who Says Small Commercial Customers Can't be Reached? A Few Program Concepts for Attracting Small Customers to Energy Efficiency Programs**

Marissa Myers, Quantum Consulting  
Beatrice Mayo, Pacific Gas & Electric Company  
Rafael Friedman, Pacific Gas & Electric Company

### **Improving Energy Efficiency in Federal Commercial Buildings**

Cyrus H. Nasser, U.S. Department of Energy  
Sriram Somasundaram, Pacific Northwest National Laboratory  
David W. Winiarski, Pacific Northwest National Laboratory

### **Multivariate Methods for Evaluating Building Energy Efficiency**

Thomas Olofsson, Umeå University  
Staffan Andersson, Umeå University  
Jan-Ulric Sjögren, Umeå University

### **Using Logic Models to Improve and Enhance Nonresidential Programs**

Jane S. Peters, Research Into Action, Inc.  
Dulane Carr Moran, Research Into Action, Inc.  
Scott Albert, GDS Associates, Inc.  
Victoria Engel, New York State Energy Research and Development Authority  
Lori Megdal, Megdal & Associates

### **Energy-Related Commercial Building Construction Characteristics: An Assessment of National Current Practice and Energy Code Compliance**

Eric Richman, Pacific Northwest National Laboratory  
Justin Williams, Washington State University  
Rahul Biyani, Washington State University  
Susanne Gaines, Pacific Northwest National Laboratory

### **Commercial Building R&D Program Multi-Year Planning: Opportunities and Challenges**

John D. Ryan, U.S. Department of Energy  
Andrew Nicholls, Pacific Northwest National Laboratory

### **Energy Efficiency Programs for Niche Markets: The Labs21 Program as an Exemplar**

Phil Wirdzek, U.S. Environmental Protection Agency  
William Lintner, U.S. Department of Energy  
Paul Mathew, Lawrence Berkeley National Laboratory  
Nancy Carlisle, National Renewable Energy Laboratory

## **A Proposed New Framework for Evaluation in California: The Sampling Roadmap**

Roger Wright, RLW Analytics, Inc.

Tim Hennessy, RLW Analytics

Marian Brown, Southern California Edison

Nick Hall, TecMarket Works

Lori Megdal, Megdal & Associates

Ken Keating, Ken Keating & Associates