

# CONTENTS

## **PANEL 5: INTRODUCTION**

### **Integrated Market-Based Efficiency and Supply for Small Energy Consumers: The Consumer Energy Cooperative**

Eric Belliveau, *Optimal Energy, Inc.*

Beth Sachs, *Vermont Energy Investment Corp.*

John Plunkett, *Optimal Energy, Inc.*

### **The Role of Energy Efficiency in the Deregulated Swedish Electricity Market**

Mikael Bergmash, *Goteborg University*

Anders Lewald, *Swedish National Energy Administration*

Lars J. Nilsson, *University of Lund*

Mats Strid, *Goteborg University*

### **Working Toward Market Transformation through Residential and Non-Residential Standard Performance Contract (SPC) Programs: Lessons Learned on Delivery, Design, Participation, and Needs**

Chris Ann Dickerson, *Pacific Gas and Electric Company*

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

Robert Bordner, *Energy Market Innovations*

Pierre Landry, *Southern California Edison*

### **The Role of Energy Efficiency and Energy Service Companies in Wholesale Markets**

Beth Dunlop, *Grueneich Resource Advocates*

Donald Gilligan, *Predicate Energy, LLC*

### **Why Financial Promotions Work: Leveraging Energy Efficiency Value to Promote Superior Products**

Wael El-Sharif, *Geothermal Heat Pump Consortium*

Marvin Horowitz, *Demand Research*

### **Tapping the Potential for Energy Efficiency: The Role of ESCOs in the Czech Republic, Ukraine and Russia**

Meredydd Evans, *Battelle, Pacific Northwest National Laboratory*

### **Wisconsin's Pilot Energy Efficiency Performance Program**

Linda Farinaccio, *Schiller Associates*

Barbara E. Smith, *Wisconsin Department of Administration*

Rick Brakken, *Schiller Associates*

Steven R. Schiller, *Schiller Associates*

**Historical Performances of the U.S. ESCO Industry: Results from the NAESCO Project Database**

C. Goldman, *Lawrence Berkeley National Laboratory*  
P. Juergens, *Lawrence Berkeley National Laboratory*  
M. Fowlie, *Lawrence Berkeley National Laboratory*  
J. Osborn, *Lawrence Berkeley National Laboratory*  
K. Kawamoto, *Lawrence Berkeley National Laboratory*  
Terry Singer, *NAESCO*

**Applying a Theory-Based Approach to California's Nonresidential Standard Performance Contract Program: Lessons Learned**

Sy Goldstone, *California Energy Commission*  
Michael Rufo, *XENERGY, Inc.*  
John Wilson, *California Energy Commission*

**Electricity Restructuring and Value-Added Services: Beyond the Hype**

William Golove, *Lawrence Berkeley National Laboratory*  
Rodrigo Prudencio, *Lawrence Berkeley National Laboratory*  
Ryan Wiser, *Lawrence Berkeley National Laboratory*  
Charles Goldman, *Lawrence Berkeley National Laboratory*

**Public Goods and Restructuring of the Brazilian Power Sector: Energy Efficiency R&D and Low Income Programs**

G.M. Jannuzzi, *State University of Campinas*

**Midwestern Renaissance: A Tale of Three States' Public Benefits Victories**

Val Jensen, *ICF Consulting*

**How Buildings Can Prosper by Interacting with Restructured Electricity Markets**

Brendan Kirby, *Oak Ridge National Laboratory*  
John Kueck, *Oak Ridge National Laboratory*

**What's Up with Public Benefits? A Review and Initial Assessment of Public Benefits Policies and Programs in Restructured States**

Martin Kushler, *American Council for an Energy-Efficient Economy*

**Linking Reforms and Energy Efficiency to Explore the Possibilities for IRP and DSM in the Liberalised Internal European Electricity Market**

Carlos Lopes, *Ecole des Mines de Paris, France and Centro para a Conservação de Energia, Portugal*  
Lars J. Nilsson, *University of Lund, Sweden*  
Stefan K. Thomas, *Wuppertal Institute, Germany*  
Aviel Verbruggen, *University of Antwerp, Belgium*

**Energy Efficiency in Public or Privatized Power Systems: Contrasts of the Brazilian, Chilean and Mexican Experiences**

Pedro Maldonado, *PRIEN, Universidad de Chile*

Rafael Friedmann, *Consultant*

Gilberto de Martino Jannuzzi, *UNICAMP Brazil*

**Does "Energy Service" Always Mean "Energy Efficiency?" A Customer Dilemma in Swedish Perspective**

Peter Matsson, *Lund University*

Jurek Pyrko, *Lund University*

**The E-Business Revolution in Energy Services**

Philip E. Mihlmester, *ICF Consulting*

Michael McKelvey, *ICF Consulting*

**Deregulated Electricity Markets Offer Real-Time Price Signals to Promote Retail Load Management**

Kirk P. Miller, *City of Palo Alto Utilities*

Shiva Swaminathan, *City of Palo Alto Utilities*

**Explore the Feasibility of ESCO Business in Japan: Demonstration by Experimental Study**

Chiharu Murakoshi, *Jyukankyo Research Institute*

Hidetoshi Nakagami, *Jyukankyo Research Institute*

Tsuyoshi Sumizawa, *Shin Nippon Air Technologies Co., Ltd.*

**Are ESCOs a Change Agent for Market Transformation?**

Mary O'Drain, *Pacific Gas and Electric Company*

Katherine Johnson, *KJ Consulting*

Katherine Randazzo, *KVDR, Inc.*

Shel Feldman, *Shel Feldman Management Consulting*

Phil Willems, *Quantum Consulting*

**Lessons from the Restructuring of the Hungarian Electricity Industry**

Ramilo V. Pesic, *University of Belgrade*

Diana Urge-Vorsatz, *University of Belgrade*

**Capture the Wind™: How to Persuade Customers that Green Power is Worth a Premium Price**

Christopher Y. Reed, *Moorhead Public Service*

Kevin P. Bengtson, *Moorhead Public Service*

Carol Renner, *Marketing/Communications Consultant*

**Status of the U.S. Market for Green Power**

Glenn Reed, *XENERGY, Inc.*

Ashley Houston, *XENERGY, Inc.*

**The Activation Strategy of Energy Service Companies (ESCOs) Under Deregulation in Korea**

Chang-Ho Rhee, *Korea Electrotechnology Research Institute*

Keun-Dae Lee, *Korea Electrotechnology Research Institute*

Jong-Jin Park, *Korea Electrotechnology Research Institute*

**Public Benefit Charge Funded Performance Contracting Programs: Survey and Guidelines**

Steven R. Schiller, *Schiller Associates*

Charles A. Goldman, *Lawrence Berkeley National Laboratory*

Brian Henderson, *New York State Energy Research & Development Authority*

**Environmental Benefits as a Sales Paradigm for the Energy Efficiency Industry**

Mike Sherman, *Peregrine Energy Group*

John Snell, *Peregrine Energy Group*

**Piloting toward the Future: Six Low-Income Pilot Programs**

Bobbi Tannenbaum, *Energy Center of Wisconsin*

Barbara Smith, *Wisconsin Energy Bureau*

Scott Pigg, *Energy Center of Wisconsin*

**The Possibilities for Policy Supporting DSM in the Liberalised Internal European Electricity and Gas Markets**

Stefan Thomas, *Wuppertal Institut*

Carlos Lopes, *Ecole des Mines de Paris*

Pierluigi Alari, *Politecnico di Milano*

Lorenzo Pagliano, *Politecnico di Milano*

**ESCO's, ESP's and Small Business: A Model for Efficiency**

John Wellinohoff, *EESI*

John L. King III, *Aspen Systems Corporation*

Mark Bailey, *U.S. Department of Energy Rebuild America*

Jerry Lawson, *U.S. Environmental Protection Agency ENERGY STAR® Small Business*

**Customer Choice and Green Power Marketing: A Critical Review and Analysis of Experience to Date**

Ryan Wiser, *Lawrence Berkeley National Laboratory*

Mark Bolinger, *Lawrence Berkeley National Laboratory*

Edward Holt, *Ed Holt & Associates, Inc.*

**The Cooperative Alternative Case Study: The First Urban Electric Coop.**

Edward Yaker, *1st Rochdale Cooperative Group, Ltd.*

Fredric S. Goldner, *Energy Management & Research Associates*

Thomas Thompson, *1st Rochdale Cooperative Group, Ltd.*