

CONTENTS

PANEL 4: INTRODUCTION

Change Who Changes the Lightbulb: Building an Efficiency Ethic at School

Karen D. Anderson, *Alliance to Save Energy*

Janet A. Castellini, *Castle Education, Inc.*

The European GreenLight Programme: A Major Initiative to Reduce Electricity Consumption in Non-Residential Buildings

Vincent Berruto, *European Commission Joint Research Centre*

Flavio Conti, *European Commission Joint Research Centre*

Paolo Bertoldi, *European Commission Directorate General Energy and Transport*

Baseline Commercial Construction Practices in the Pacific Northwest

Shelly Borrelli, *Ecotope, Inc.*

David Baylon, *Ecotope, Inc.*

Michael Kennedy, *Ecotope, Inc.*

A Multi-Resource Conservation Collaboration at Seattle Public Schools

David Broustis, *Seattle Public Schools*

David Vanholde, *Seattle City Light*

Frank Griffin, *Seattle Public Schools*

Mary Smith, *Puget Sound Energy*

Phil Paschke, *Seattle Public Utilities*

Green Power for the Red, White and Blue

Nancy Carlisle, *National Renewable Energy Laboratory*

Anne Crawley, *U.S. Department of Energy*

Kevin DeGroat, *McNeil Technologies*

Guide Specifications: An Overlooked Avenue for Promoting Building Energy Efficiency

Philip E. Coleman, *Lawrence Berkeley National Laboratory*

Alexander T. Shaw, *National Institute of Building Science*

Developing the Australian Market for Energy Efficient Buildings

Daniel Cooper, *Sustainable Energy Development Authority*

Ronlyn Duncan, *Sustainable Energy Development Authority*

Bruce Precious, *Sustainable Energy Development Authority*

Nicole Workum, *Sustainable Energy Development Authority*

Retrocommissioning Programs: Current Efforts and Next Steps

Debby Dodds, *Portland Energy Conservation, Inc.*

Eric Baxter, *Portland Energy Conservation, Inc.*

Steven Nadel, *American Council for an Energy-Efficient Economy*

The Building Commissioning Association: An Industry Partnership in Market Transformation

John Doyle, *Building Commissioning Association*

Kent Barber, *Casault Engineering, Inc.*

Karl Stum, *Portland Energy Conservation, Inc.*

Debby Dodds, *Portland Energy Conservation, Inc.*

Moving Architects and Engineers Beyond Typical Practice

Mark Eggers, *New York State Energy Research and Development Authority*

Craig Kneeland, *New York State Energy Research and Development Authority*

Chris Reohr, *New York State Energy Research and Development Authority*

Rebuild America Program in Texas: Update on the Brazos Valley Energy Conservation Coalition

Jeff S. Haberl, *Energy Systems Laboratory, Texas A&M University*

Bahman Yazdani, *Energy Systems Laboratory, Texas A&M University*

Charles Culp, *Energy Systems Laboratory, Texas A&M University*

Dan Turner, *Energy Systems Laboratory, Texas A&M University*

David Claridge, *Energy Systems Laboratory, Texas A&M University*

Mike Meyers, *U.S. Department of Energy Rebuild America*

The Daylighting Collaborative: Creating an Advanced Market Transformation Program

Mark Hanson, *Energy Center of Wisconsin*

Abby Vogen, *Energy Center of Wisconsin*

Steven Ternoey, *LightForms LLC*

Melanie Lord, *Energy Center of Wisconsin*

Potential Energy, Cost, and CO₂ Savings from Energy-Efficient Government Purchasing

Jeffrey Harris, *Lawrence Berkeley National Laboratory*

Francis Johnson, *Stockholm Environment Institute*

Regional Resource Efficiency Program for Public Buildings

Gwen Haynes, *Washington State Department of General Administration*

Debby Dodds, *Portland Energy Conservation, Inc.*

Carolyn Dasher, *Portland Energy Conservation, Inc.*

An Evaluation of America's First ENERGY STAR® Buildings: The Class of 1999

Thomas W. Hicks, *U.S. Environmental Protection Agency*

Bill von Neida, *U.S. Environmental Protection Agency*

Commercial New Construction Programs: Results from the '90's, Directions for the Next Decade

Jeff Johnson, *New Buildings Institute*

Steven Nadel, *American Council for an Energy-Efficient Economy*

Put the Horse Before the Cart—Baseline Characterization in Support of Utility Program Design

Corina Stetiu Jump, *Quantum Consulting*

Kris Bradley, *Quantum Consulting*

A Tool to Help Develop Cost-Effective M & V Plans

David A. Jump, *Schiller Associates*

Devan A. Johnson, *Schiller Associates*

Linda Farinaccio, *Schiller Associates*

Measurement and Verification Protocols—M & V Meets the Competitive and Environmental Marketplaces

J. Stephen Kromer, *Enron Energy Services*

Steven R. Schiller, *Schiller Associates*

Energy Efficiency Standards for Buildings in Mexico: Lessons Learned from a Technical and Political Process

Gaudencio Ramos Niembro, *Electrical Research Institute of Mexico IIE*

Christopher Heard, *Electrical Research Institute of Mexico IIE*

O. de Buen Rodriguez, *Mexican Energy Saving National Commission CONAE*

F. Hernandez Pensado, *Mexican Energy Saving National Commission CONAE*

Getting the Most Out of Your Building: SMUD's Retrocommissioning Program

Jim Parks, *Sacramento Municipal Utility District*

Mazin Kellow, *Sacramento Municipal Utility District*

Debby Dodds, *Portland Energy Conservation Inc.*

Greg Cunningham, *ESS Engineering*

Commissioning Public Buildings in Oregon: Market Transformation via the Public Sector

Andrzej Pekalski, *Oregon Office of Energy*

Carolyn Dasher, *Portland Energy Conservation, Inc.*

Karl Stum, *Portland Energy Conservation, Inc.*

The Structure and Operation of the Commercial Building Market

John H. Reed, *TecMRKT Works*

Andrew D. Oh, *TecMRKT Works*

Nicholas P. Hall, *TecMRKT Works*

Use of a Billing Simulation Tool for Performance Measurement and Verification

David Robison, *Stellar Processes*

Howard Reichmuth, *Stellar Processes*

M. Sami Khawaja, *Quantec*

Energy Efficiency Programme for Federal Public Administration Buildings

M. C. Odón de Buen Rodríguez, *National Commission for Energy Conservation*

Ing. Carlos Chávez Baeza, *Electric Power*

Ing. Manuela Azucena Escobedo Izquierdo, *Electric Power*

Market Assessment and Evaluation of California's 1999 Small and Medium Nonresidential Energy Efficiency Programs

Michael Rufo, *XENERGY, Inc.*

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

Allen Lee, *XENERGY, Inc.*

John Cavalli, *Quantum Consulting, Inc.*

Julia Larkin, *XENERGY, Inc.*

The Jury is (Halfway) In: New Building Performance Contracting Results

Jeff Ross Stein, *Taylor Engineering*

Aditi Raychoudhury, *Eley Associates*

Charles Eley, *Eley Associates*

California's Small Business Standard Performance Contract Program, the First Year

Richard H. Sterrett, *Alternative Energy System Consulting, Inc.*

David Bruder, *Southern California Edison*

Linda Linderman, *San Diego Gas and Electric Company*

Ann Kelly, *Pacific Gas and Electric Company*

Transforming Design Practices: A Statewide Program for Nonresidential New Construction

Nehemiah Stone, *Heschong Mahone Group*

Douglas Mahone, *Heschong Mahone Group*

Catherine Chappell, *Heschong Mahone Group*

Grant Duhon, *Pacific Gas and Electric Group*

Commissioning in Energy Savings Performance Contracts

Karl Stum, *Portland Energy Conservation, Inc.*

Program Overview: The Texas LoanSTAR Program: 1989-1999, a 10-Year Experience

W. Dan Turner, *Texas A&M University*

David E. Claridge, *Texas A&M University*

Dennis L. O'Neal, *Texas A&M University*

Jeff S. Haberl, *Texas A&M University*

Warren M. Heffington, *Texas A&M University*

Dub Taylor, *State Energy Conservation Office*

Theresa Sifuentes, *State Energy Conservation Office*

The Philippines Green Buildings Program: Developing a Market Niche for Energy Efficiency

Noel Verdote, *International Institute for Energy Conservation, Asia Regional Office*

Terry Oliver, *International Institute for Energy Conservation, Asia Regional Office*

Peter du Pont, *International Institute for Energy Conservation, Asia Regional Office*

Lando Velasco, *International Institute for Energy Conservation, Asia Regional Office*

Chainuwat Prijyanonda, *International Institute for Energy Conservation, Asia Regional Office*