Advanced Workshop in Regulation and Competition

31st Annual Western Conference

Hyatt Regency, Monterey, California on June 27-29, 2018

The Conference features some of the latest developments in the network industries, especially energy, including:

- Deregulation
- Market Structure
- Policy and Regulatory Issues
- Environmental Policy and GHG
- Telecommunications and Water
- Pricing and Demand Response
- Capacity and Reliability

Who should attend:

- Industry Economists, Consultants and Attorneys
- Marketing and Regulatory Managers
- Regulatory Commission Staff

Dinner Speaker: Carla J. Peterman

The Center for Research in Regulated Industries, located at Rutgers University, aims to further study of regulation in economics, finance, and institutions. Its publications, seminars, workshop, and courses make available the latest advances to academics, managers, and regulatory commission staff. The Center has over thirty five years of experience providing research, instruction, conferences, courses, seminars, and workshops in economics of network industries. The Center’s Journal of Regulatory Economics is an international scholarly bi-monthly publication intended to provide a forum for the highest quality research in regulatory economics. Other research from the Center’s programs has been published in the book series Topics in Regulatory Economics and Policy.

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Rutgers Business School ● 1 Washington Park, Room 1104 ● Newark, NJ 07102-1897
973-353-5761 ● 973-353-1348 (fax)
**WEDNESDAY, JUNE 27, 2018**

2:00 - 4:00  Registration  
**Monterey Terrace**  
4:00 – 6:00  Welcome to Conference: Victor Glass  
**Grove Room**  
Robert Kelly: Memory Loss – The Case for Business Archives for Public Utilities  
Tim Brennan: Behavioral Economics in Regulatory Policy  
William E. Kovacic: The Do Not Rule at 15 and the Future of U.S. Privacy Policy  
6:00 – 7:00  Cocktail Hour  
**Monterey Terrace**  
7:00 – 9:00  Dinner & Keynote Speech: Carla J. Peterman  
**Beach Room**  
9:00 – 10:00  Reception  
**Monterey Terrace**

**THURSDAY, JUNE 28, 2018**

8:30 - 10:00  Concurrent Sessions  
**DER: PLANNING**  
Chair: Tim Drew  
Discussants: Tim Drew  
Mark Martínez, Dick Stevie, and Eric Woychik: DER Investment Targeting by Building Type and End Use: An Econometrics Approach  
Eric Woychik, Ken Skinner, and Tom Ostrehus: What if Distribution and System Level Models are Joined?  
Victor Glass, Eric Ackerman, Shalom Flank, and Timothy Tardiff: Network Reliability Opportunities: Lessons Learned from the Telecom Industry  
10:00 – 10:20  Coffee Break  
10:20 - 11:50  Concurrent Sessions  
**DER - EFFICIENCY**  
Chair: Tim Brennan  
Discussants: Eric Woychik  
Andrew Bilich, James Fine, and Howard Chong: 100 Home Temperature Study in Huron California  
Jordan Prassinos: Efficiency of State and Utility Sponsored Energy Efficiency Regulation  
Frank Monforte, Andy Sukenik, Margot Everett, and Anita Singh: Forecasting Hourly Load in the Age of DER  
11:50 - 1:20  Lunch Break  
1:20 - 2:50  Concurrent Sessions  
**DER – RATES I**  
Chair: Cynthia Fang  
Discussants: Neil Lessem, Dennis Keane  
Ahmad Faruqui and Walter Graf: Do Load Shapes of PV Customers Differ from other Customers?  
Louis Linden, Paul Nelson, and Gigio Sakota: Effective Load Carrying Capacity for Demand Response Resources  
Brian Lubeck: Residential Customer Segmentation  
2:50 - 3:00  Break  
3:00 - 4:30  Concurrent Sessions  
**DER – RATES II**  
Chair: Dennis Keane  
Discussants: Dhaval Dagli, Tim Mount  
Neil Lessem: New Network Tariff Design in Deregulated Markets  
Amparo Nieto: Examining Design Elements of New York’s “Reforming Energy Vision”  
Brian Dickman: Regulatory Implication of Grid Evolution – Reforming Rates  
Colin Kerrigan: Zero Net Energy Codes on Cost Recovery  
**STORAGE, WIND-PLANNING AND FINANCE**  
Chair: Hung-po Chao  
Discussants: Jason Hansen  
Kevin Woodruff: Wind: Scramble to Capture Expiring Credits  
Robert Mudge: New Technologies and Old Issues under PUPRA  
Aidan Tuohy and Udi Helman: Storage Valuation and Bulk Power System Planning  
**REGULATION**  
Chair: Paul Nelson  
Discussants: Carl Danner, Carl Peterson  
Ahmad Faruqui: Stabilizing Utility Revenue in the Context of Declining Demand  
Karl McDermott and Ross Hemphill: Is there a Future for Electric Utility Performance-Based Regulation?  
Stephen St. Marie: Regulatory Control over Utility Long-Term Commitments  
**GAS AND WATER**  
Chair: Viet Truong  
Discussants: Stephen St. Marie  
Philip Sheehy, Maurice Oldham, and Ray Williams: Outlook to 2030: Transportation Fuel Market and Low Carbon Fuel Standard on the West Coast  
Janie Chermak and Robert Patrick: Welfare Impacts of Residential Water Pricing Mechanisms  
Pui-Wa Li: A Case Study of Low-Income Discount Programs for Water Utilities in California – How to Ensure Reliability at Least Cost to Consumers  
**GAS POLICY**  
Chair: Bob Patrick  
Discussants: Carl Peterson  
Catherine Elder: California Regulatory Policies Leading to Natural Gas Decline Reviewed  
Ahmad Faruqui, Lea Grausz, and Henna Trewn: Tariffs for the Gas Utility of the Future  
Carly Page: How Reliable is Natural Gas?
8:30 - 10:30 Concurrent Sessions

DER – THE TRANSMISSION LINK
Chair: Menahem Spiegel
Discussants: Joseph Abhulimen
Matt Arenchild: Planning the Western Grid-Impact of New Policies and Technology
Paul Nelson: Future of Wholesale Transmission Rates Used by Members of the CAISO

ENERGY MARKET OPTIMIZATION
Chair: Jason Hansen
Discussants: Scott Harvey, Megan Accordino
Hung-po Chao: Integer Relaxation for Electricity Clearing
Ryan Kurlinski and Roger Avalos: FERC: Fast-Start Pricing NOPR
Alberto Lamadrid, Wooyoung Jeonb, and Tim Mount: A Comparison of the Daily Commitment and Dispatch of Generating Units when Distributed Storage is Managed Centrally Versus Locally

10:30 – 11:00 Coffee Break

11:00 - 12:30 Concurrent Sessions

NEW IDEAS FOR THE FUTURE
Chair: Bradely Leong
Discussants: Anne-Marie Cuneo
Ahmad Faruqui: Rate Design by Negotiation
Richard White: Leveraging Data: Cutting Data Silos to Enhance the Economic Value of Regulation at CPUC
Tim Brennan: Is “Grid Resiliency” a New Problem Requiring a New Remedy?

 NEED FOR FLEXIBLE RESOURCES
Chair: Tim Mount
Discussants: Kevin Woodruff, Hung-po Chao
Joseph Cavicchi, Scott Harvey, and Susan Pope: Ramp Capability Dispatch and Pricing Theory and Initial Performance
Aidan Tuohy, Eamonn Lannoye, Erik Ela, and Qin Wang: Assessing Flexibility in Resource Planning
Daniel Brooks, Adam Diamont, Robert Entriken, and Tom Wilson: Planning Framework for Integrated Energy Networks

12:30- 12:55 Concluding Remarks – Victor Glass

Speakers, Discussants & Chairs

Joseph Abhulimen, Program Supervisor, California Public Utilities Commission
Matt Arenchild, Managing Director, Navigant
Meredith Barnett, Assistant Staff Counsel, Nevada Public Utilities Commission
Andrew Bilech, Climate Policy and Analysis, Pacific Gas and Electric
Tim Brennan, University of Maryland Baltimore County
Daniel Brooks, Manager, EPRI
Joseph Cavicchi, Executive Vice President, Compass Lexcom
Hung-po Chao, Chief Economist and Senior Director Economics – Operations and Markets, PJM Interconnection
Janie Chermak, Professor, University of New Mexico
Tamara Cordova, Staff Counsel Manager, Nevada Public Utilities Commission
Anne-Marie Cuneo, Director of Regulatory Operations, Nevada Public Utilities Commission
Dhaval Dugli, Principal Manager, Southern California Edison
Carl Danner, Chief Internal Auditor, California Public Utilities Commission
Brian Dickman, Associate Director, Navigant
Tim Drew, Senior Analyst, California Public Utilities Commission
Catherine Elder, Director, Energy Resource Economics, Aspen Environment Group
Robert Entriken, Principal Technical Leader, EPRI
Margot Everett, Senior Director, Pacific Gas and Electric
Cynthia Fang, Manager of Customer Pricing, SDG&E
Victor Glass, Director CRIE and Professor of Professional Practice, Rutgers University
Walter Graf, Associate, The Brattle Group
Jason Hansen, Research Economist, Idaho National Laboratory
Scott Harvey, Consultant, FTI Consulting
Udi Helman, Consultant
Rami Kahlon, Director of the Water Division, California Public Utilities Commission
Dennis Keane, Senior Manager, Rate Design and Quantitative Analysis, Pacific Gas & Electric
Robert Kelly, Vice President, Regulatory Affairs, Suburban Water Systems
Colin Kerrigan, Analyst, Pacific Gas and Electric
Richard Kim, Pacific Gas and Electric
William E. Kovacic, Global Competition Professor of Law and Policy, The George Washington University Law School
Ryan Kurlinski, Manager, Analysis and Mitigation Group, California Independent System Operator
Alberto Lamadrid, Associate Professor of Economics, Lehigh University
Bradley Leong, California Public Utilities Commission
Neil Lessem, Senior Associate, The Brattle Group
Pui-Wa Li, Utilities Engineer, California Public Utilities Commission
Louis Linden, Analyst, Southern California Edison
Birian Lubock, Senior Regulatory Analyst, Pacific Gas and Electric
Mark S. Martínez, Manager, Emerging Markets & Technologies, Southern California Edison

Karl A. McDermott, Ameren Professor of Government and Business, University of Illinois-Springfield
Frank Monforte, Director of Forecasting Solutions at ITRON
Timothy D. Mount, Professor, Cornell University
Robert S. Mudge, Principal, The Brattle Group
Paul D. Nelson, Consultant, Barkovich and Yap
Amparo Nieto, Senior Vice President, Economists Inc.
Carly Page, Economist, Public Utilities Commission of Nevada
Robert Patrick, Associate Professor, Rutgers University
Carla J. Peterman, Commissioner, California Public Utilities Commission
Carl Peterson, Professor, University of Illinois Springfield
Jordan Prassinos, Load Research Leader, Idaho Power
Gigio Sakota, Senior Manager, Southern California Edison
Philip Sheehy, Technical Director, ICF
Menahem Spiegel, Professor, Rutgers University
Stephen St. Marie, Policy Planning Analyst, California Public Utilities Commission
Keith Switzer, Vice President, Regulatory Affairs, Golden State Water Company
Adam Thaler, California Public Utilities Commission
Henna Trew, Research Analyst The Brattle Group
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Cody Warner, Senior Research Analyst, Brattle Group
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Kevin Woodruff, Principal, Woodruff Expert Services
Eric C. Woychik, Senior Vice President, Willdan Group
ORGANIZING COMMITTEE

Matthew Arenchild (Navigant Consulting, Inc.)
Carl Danner (California Public Utilities Commission)
Robert Entriken (EPRI)
Cynthia Fang (San Diego Gas & Electric)
Ahmad Faruqui (Brattle Group)
Victor Glass (Rutgers University)
Rami Kahlou (California Public Utilities Commission)
Dennis Keane (Pacific Gas & Electric)
Eric Korman (Analysis Group)
Neil Lessem (The Brattle Group)
Paul Nelson (Barkovich and Yap)
Amparo Nieto (NERA Economic Consulting)
Kevin D. Woodruff (Woodruff Expert Services)

HOTEL RESERVATIONS

Sufficient Rooms are reserved at the Hyatt Regency Monterey for all of the Conference participants. Reservations should be received by **May 28, 2017**. Hotel reservation can be made by using the following Passkey Link:

https://aws.passkey.com/go/CRRI2018AnnualWesternConf

Regency Monterey
1 Golf Course Road
Monterey, California, 93940, USA
1-888-421-1442

If you are not making reservations through the link above please identify yourself as being held under the group block: Rutgers University CRRI Program.

CONTACTING CRRI

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REGISTRATION INFORMATION

To Register: Please complete and return the form to CRRI. Registrations are accepted by mail, email, fax, and telephone. Please confirm telephone registrations by sending in a completed and signed registration form. The deadline for registrations is **May 24, 2017**. Registrations received after May 24, 2017 will be admitted on a space available basis.

Volume discount: Second and subsequent applications received in the same envelope, fax, email, or made at the same time by phone will receive a 5% volume discount.

Payment Information: Make checks payable to “Rutgers University” and mail to the attention of at the above address. Fees include prescribed learning materials, dinner on Wednesday night, June 28, 2017, all receptions and coffee breaks, but do not include lodging and other meals. The government registration fee is available for government employees.

REGISTRATION FORM: 30th Annual Western Conference

Name

Title:

Company:

Complete Address:

Telephone:        Fax:

Email:

Billing Information:

___ Payment enclosed $1,135 U.S. Dollars

___ Send invoice to participant at above address.

___ Send invoice to__________

___ Credit Card: ___ VISA ___ MC  Exp. _____/_____  CVC Code: _____ Card #______________

GOVERNMENT RATE: Government employees may apply for reduced enrollment fees.

___ I would like to apply for the govt rate of $610

CANCELLATION POLICY: Until May 9, 2017 cancellation is allowed without penalty and refunds will be allowed in full. After this date, the indicated fee is due in full whether or not the participant actually attends. Substitutions may be made at any time.

Signature of Participant: __________________________