

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

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CENTER FOR RESEARCH IN REGULATED INDUSTRIES

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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WEDNESDAY, JUNE 27, 2018

2:00 - 4:00	Registration	<i>Monterey Terrace</i>
4:00 – 6:00	Welcome to Conference: Victor Glass	<i>Grove Room</i>
	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	<i>Monterey Terrace</i>
7:00 – 9:00	Dinner & Keynote Speech: Carla J. Peterman	<i>Beach Room</i>
9:00 – 10:00	Reception	<i>Monterey Terrace</i>

THURSDAY, JUNE 28, 2018

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

FRIDAY, JUNE 29, 2018

8:30 - 10:30 *Concurrent Sessions***DER – THE TRANSMISSION LINK***Grove*

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***Pacific*

Chair: Jason Hansen

Discussants: Scott Harvey, Megan Accordinio

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

*Monterey Terrace*11:00 - 12:30 *Concurrent Sessions***NEW IDEAS FOR THE FUTURE***Grove*

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***Pacific*

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- 12:35 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 Bilich,** 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 Lexecom**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 Dagli,** 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 CRRI 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**Brian Lubeck,** Senior Regulatory Analyst, Pacific Gas and Electric**Mark S. Martinez,** 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 Prassinis,** Lead 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 Trewn,** Research Analyst The Brattle Group**Kevin Truong,** California Public Utilities Commission**Aidan Tuohy,** Senior Project Manager, EPRI**Cody Warner,** Senior Research Analyst, Brattle Group**Richard White,** Senior Policy Analyst, California Public Utilities Commission**Ray Williams,** Director-Climate Policy and Analysis, Pacific Gas and Electric**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 Entriiken (EPRI)
Cynthia Fang (San Diego Gas & Electric)
Ahmad Faruqui (Brattle Group)
Victor Glass (Rutgers University)
Rami Kahlon (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)

CONTACTING CRRRI

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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/CRRRI2018AnnualWesternConf>

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 CRRRI Program.

REGISTRATION INFORMATION

To Register: Please complete and return the form to CRRRI. 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: _____