

Advanced Workshop in Regulation and Competition
33rd Annual Western Conference

Hyatt Regency, Monterey, California on June 24-26, 2020

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: Commissioner Jordan White

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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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Rutgers Business School • 1 Washington Park, Room 1104 • Newark, NJ 07102-1897
973-353-5761

WEDNESDAY, JUNE 24, 2019

2:00 – 4:30	Registration	<i>Mark Thomas Foyer</i>
4:30 – 6:05	Welcome to Conference: Victor Glass	<i>Cypress</i>
4:35 – 6:00	Karl A. McDermott “The Origin and Role of Capital Attraction in the Regulation of Public Utilities” <i>Alice Stebbins</i> <i>Michael Colvin</i>	
6:00 – 7:00	Cocktail Hour	<i>Mark Thomas Foyer</i>
7:00 – 9:00	Dinner & Keynote Speech: <i>Commissioner Jordan White</i>	<i>Big Sur</i>
9:00 – 10:00	Reception	<i>Mark Thomas Foyer</i>

THURSDAY, JUNE 25, 2019

8:30 – 10:00AM <i>Concurrent Sessions</i>	
Cypress	Spy Glass
Climate Change	Long Term Planning
Chair: TBA Discussants: Tim Brennan: Willingness to pay to avoid higher temperatures: A Simple Model with complex implications Eric Haglund: Weather Normalization in Warming Climate	Chair: TBA Discussants: Erica Bowman: Pathway 2045: Changing California’s Electric Supply in 25 years Trina Horner: How Much for a Full Tank? Sifting Through EV Rates
Lulu Tian: Environmental Regulation and Fair Competition: Evidence form Enterprise Markup	Richard Stevie, Ken Skinner, Mehdi Gangi, Patrick Burgess, Wei Tien, and Eric Woychik: Advanced Grid Planning for Carbon and All Resources : Where, When, and How the Details Matter
10:00 – 10:20AM Coffee & Tea Break	Mark Thomas Foyer
10:20 – Noon <i>Concurrent Sessions</i>	
Customer Response	Distributed Energy Resource Planning
Chair: TBA Discussants: Ahmad Faruqui, Ryan Hledik, Tony Lee, and John Higham: How Demand Response and Load Flexibility Can Help Meet the Needs of Decarbonized Grid Janie Chernak, Jesse Kaczmarek, and Benjamin Jones: Consumer Response to a Utility Controlled Conservative Program Robert Patrick and Janie Chermak: Disaggregating Consumer Water Demand Response by End Use and the Impacts on Optimal Incentives James Fine: Virtual Power Plants in California’s Disadvantaged Communities: Successes, Gaps and Solutions	Chair: TBA Discussants: Cindy Fang, Josh Mondragon, and Rina Tefiku: An Update on Customer Demand and Consumption of Solar Customers in the Residential Sector JP Carvallo: A Capacity Expansion Model under Various Rate Structures Eric Woychik, Mark S. Martinez, and Ken Skinner: Customer Innovation Futures: Value Mapping for DERs and Electrification
Noon – 1:15PM Lunch	
1:15 – 2:45PM <i>Concurrent Sessions</i>	
Net Energy Metering	Renewable Intergration
Chair:TBA Discussants: Larry Blank and Doug Gegax: Do Residential Net Metering Customers Pay Their Fair Share of Electricity Costs? Evidence from New Mexico Megshan Cui: Demand and Supply for Rooftop Solar: Evidence from the California Solar Initiatives Naim Darghouth: Rate-Making and Regulatory Frameworks	Chair: TBA Discussants: Ephram Glass and Victor Glass: Enabling Supercapacitors to Compete for Ancillary Services: An Important Step Towards 100% Renewable Energy Matthew Arenchild and Mike Kline: Intergrating New Resources into Electric System: Analyzing the Intersection Between Markets and Technologies Aiden Tuoy: Operator Guidelines for High VER/DER

for Rooftop Solar	David Salant and Matthew DeCoursey: Renewable Portfolio Standards– Recent Experience and Auction Design Options
2:45 – 3:15PM Break	
3:15 – 4:30PM	
Resource Adequacy Moderator: Tim Brennan	Panel Panelists: Edward Randolph, Stephen Keehn, Peter Griffes
Privacy	
William Kovacic, The Do-Not-Call Rule at 15 and the Future of U.S. Privacy Policy	

FRIDAY, JUNE 26, 2019

8:30 – 10:00AM <i>Concurrent Sessions</i>	
Cypress	Spy Glass
Rate Design 1	Resource Planning
Chair: TBA Discussants: Amparo Nieto Tim Mount, Alberto J. Lamadrid, and Wooyoung Jeon: A Simple Alternative to Peaking-Load Pricing	Chair: TBA Discussants: E. Ela, R. Entriken, R. Hytowitz, V. Singhvi, and E. Vittal: Power System Supply Resilience
Jan Grygier: What the Heck is the Marginal Unit, Anyway?	Udi Helman: Energy Storage in Resource Planning-Findings from Recent Surveys
Cindy Fang: New Considerations for Residential Rate Reform to Support California’s Pursuit of Decarbonization	Joseph Cavicchi and Edmund Downie: Resource Adequacy Through Wholesale Markets: Challenges to Revenue Self-Sufficiency Amidst VRE Growth and Electrification
10 – 10:30AM Coffee and Tea Break, & Check out	Mark Thomas Foyer
10:30 – 12:15PM <i>Concurrent Sessions</i>	
Rate Design 2	Whole Sale Markets
Chair: TBA Discussants: Edward Cazalet: The Subscription Transactive Tariff	Chair: TBA Discussants: Darryl Biggar and Mohammad Hesamzadeh: Merchant Transmission Investment Using Generalized FTRs
Hung-po Chao:Pricing Strategy for Clean Power Under Uncertainty	Darryl Biggar and Mohammad Hesamzadeh: Time Inconsistency and Looking-ahead dispatch
Colin Kerrigan: PG&E’s Historical Rate Designs	Joseph Duggan Jr.: Tacit Collusion in Repeated Unit Commitment Auctions
12:15 –12:20 Concluding Remarks – Victor Glass	Cypress

SPEAKERS DISCUSSANTS & CHAIRS

Matt Arenchild, Managing Director, Navigant
Darryl Biggar, Australian Competition and Consumer Commission
Larry Blank, Associate Professor New Mexico State University
Erica Bowman, Director, SCE
Tim Brennan, University of Maryland Baltimore County
JP Carvallo, Sr. Scientific Engineering Associate, Lawrence Berkeley National Laboratory
A. Joseph Cavicchi, Vice President, Analysis Group
Michael Colvin: Director Regulatory and Legislative Affairs, Environmental Defense Fund
Edward Cazalet, President, TeMix

Hung-po Chao, Chief Economist and Senior Director Economics – Operations and Markets, PJM Interconnection
Janie M. Chermak, Professor, University of New Mexico
Michael Colvin, California Legislative and Regulatory Director, Environmental Defense Fund
Megshan Cui, Associate, Analysis Group
Naim Dargouth, Senior Science Engineer, LBL
Joseph Duggan Jr., Assistant Professor, University of Dayton
Eric Hagland, Trial Staff, Colorado PUC
Trina Horner, Director, Navigant
William Kovacic, Professor, George Washington Law School

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CRRRI – Rutgers University

Carl Danner, Managing Director, Berkeley Research Group
Erik Ela, Senior Technical Leader, EPRI
Robert Entriiken, Principal Technical Leader, EPRI
Cyndee Fang, Manager of Customer Pricing, SDG&E
Derek Fong, Senior Utilities Engineer, CPUC
James Fine, Environmental Defense Fund
Ephram Glass, Consultant
Victor Glass, Director CRRRI and Professor of Professional Practice, Rutgers University
Peter Griffes, Chief, Market Design, PG&E
Jan Grygier, Principal Data Scientist, PG&E
Udi Helman, Consultant
Ryan Hledik, The Brattle Group
Stephen Keehn, Manager of Energy Regulatory and Legislative Affairs, Monterey Bay Community Power
Colin Kerrigan, Principal Strategic Analyst, PG&E
Ryan Kurlinski, Manager, Analysis and Mitigation Group, CAISO
Martin Kurtovich, Policy and Planning Analyst, CPUC
Karl A. McDermott, Ameren Professor of Government and Business, University of Illinois-Springfield
Andrew Mills, Research Scientist, Lawrence Berkely National Laboratory
Gwen Morien, Rate Strategy Project Manager, San Diego Gas and Electric
Tim Mount, Professor, Cornell University
Amparo Nieto, Senior Vice President, Economists Inc.
Robert H. Patrick, Associate Professor, Rutgers University
Edward Randolph, Deputy Executive Director, CPUC
David Salant, Senior Managing Director, FTI Consulting Group
Alice Stebbins, Executive Director, CPUC
Lulu Tuan, SDTBU
Aidan Tuohy, Senior Project Manager, EPRI
Jordan White, Commissioner Utah Public Service Commission
Kevin Woodruff, Woodruff Expert Services
Eric 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)
Paul Nelson (Barkovich and Yap)
Amparo Nieto (Economists Inc.)
Ryan Kurlinski, Caiso
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 26, 2020**. Hotel reservation can be made by using the following Passkey Link:

<https://www.hyatt.com/en-US/group-booking/MRYDM/G-RUT6>

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.

CONTACTING CRRI

Victor Glass, Director – CRRI and Professor of Professional Practice, Rutgers University

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crri@business.rutgers.edu (CRRI Admin Asst)

REGISTRATION INFORMATION

REGISTRATION FORM: 32nd 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, 2019 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: _____