

# California Power Market Conference

**GHG Policies, DG/CHP Goals, and the Resurgence of Solar**

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November 12–13, 2012 • Hilton San Francisco Financial District • San Francisco, CA

## Join Power Industry Leaders:

Anders Hyde, **BENTEK Energy**

Samantha Katz,  
**BGC Environmental Brokerage Services**

Udi Helman, **BrightSource Energy**

Mary Nichols,  
**California Air Resource Board**

Beth Vaughan,  
**California Cogeneration Council**

Mark Rothleder, **California ISO**

Nancy Ryan,  
**California Public Utilities Commission**

Nat Skinner,  
**California Public Utilities Commission**

Matthew Barmack, **Calpine Corp.**

Ted Ko, **Clean Coalition**

Greg Wikler, **EnerNOC**

Katherine Ryzhaza, **Evolution Markets**

Mark Fillinger, **First Solar, Inc.**

Randi Abernethy, **LCH.Clearnet**

Paul Cusenza, **Nodal Exchange, LLC**

Todd Strauss, **Pacific Gas & Electric**

Trina Horner, **Pacific Gas & Electric**

Kevin Smith, **SolarReserve**

Andrew Wang, **SolarReserve**

Carl Silsbee, **Southern California Edison**

Gerome Torribio,  
**Southern California Edison**

Frank Wolak, Ph.D.,  
**Stanford University**

Walker Wright, **Sunrun, Inc.**

Catherine Reheis-Boyd,  
**Western States Petroleum Association**

Jerry Bloom, **Winston & Strawn LLP**

## Engage in Interactive Discussions on:

- Cap and trade — What are the market design and legal challenges? Is it a go in January 2013?
- Can California meet the governor's goals of a combined 18,500 MW of renewables and CHP?
- How can California balance the grid with renewables coming online?
- Dodd-Frank, the move to clearing, and enabling participants to meet specific hedging needs
- Managing volatility of hydroelectricity as renewables mandates and power generation increases
- What is the impact of cheap natural gas on procurement?
- What is the future of nuclear power in California (SONGS and Diablo Canyon)?
- How can storage assist in demand response?



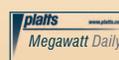
## PLUS — 3 Solar Case Studies:

- Crescent Dunes
- Agua Caliente
- Ivanpah

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**DAY 1: Monday, November 12, 2012**

7:30 Conference Registration and Networking Breakfast

8:30 Chair's Welcome and Opening Remarks  
Jerry Bloom, Partner, **Winston & Strawn LLP**

**Cap and Trade, the Governor's DG Goal, and CHP**

8:45 **California Cap on Greenhouse Gas Emissions and Market-Based Compliance Mechanisms**



- Legal challenges and market design issues
- Can California achieve a reduction in emissions to 1990 levels by 2020?
- Interactions between complementary programs
  - LCFS
  - cap and trade
- Who does and does not qualify as a “covered entity”?
- What are the issues and dynamics around allocations?
- Is cap and trade a go in January 2013?

Frank Wolak, Ph.D., Department of Economics, **Stanford University**  
Mary D. Nichols, Chairman, **California Air Resource Board**  
Catherine Reheis-Boyd, President, **Western States Petroleum Association**  
Samantha Katz, Managing Director, **BGC Environmental Brokerage Services**

10:00 **Networking & Refreshment Break**



Hosted by: **NODAL EXCHANGE**  
 **LCH.CLEARNET**

10:30 **Distributed Generation and Combined Heat and Power**



- Can we meet the governor's goals of 12,000 MW of renewables and 6,500 MW of CHP?
- The politics and economics of net energy metering
- Is there a price signal from the nodal market for distributed generation?
- What are the advantages of distributed generation over utility scale generation?

Jerry Bloom, Partner, **Winston & Strawn LLP**  
Beth Vaughan, Executive Director, **California Cogeneration Council**  
Ted Ko, Associate Executive Director, **Clean Coalition**  
Walker Wright, Director of Government Affairs, **Sunrun, Inc.**  
Gerome Torribio, Manager, Combined Heat and Power Contracts, **Southern California Edison**

12:00 **Networking Luncheon**



Hosted by: **WINSTON & STRAWN LLP**

**Balancing the Grid through Renewables and Power Contracts**

1:30 **Renewable Integration/Resource Adequacy**



PANEL DISCUSSION

- How can we balance the grid with renewables coming online?
- Transmission interconnection issues for renewable projects
- What is the long term plan for integrating renewables?
- SB 32 ramifications
- Short/long term impact of renewable projects on congestion patterns
- Achieving full deliverability status

Katherine Ryzhaya, Director, Structured Transactions, **Evolution Markets**  
Todd Strauss, Senior Director, Energy Policy, **Pacific Gas & Electric**  
Mark Rothleder, Principal Market Developer, **CAISO**  
Nat Skinner, Senior Analyst, **California Public Utilities Commission**  
Carl Silsbee, Manager of Resource Policy and Economics, **Southern California Edison**

3:00 **Networking & Refreshment Break**



Hosted by: **NODAL EXCHANGE**  
 **LCH.CLEARNET**

3:30 **Power Contracts for Energy Plus Congestion**

- Contracts settle against day ahead energy plus congestion prices
- No underfunding or capacity constraint in cleared environment
- Enabling participants to meet specific hedging needs
- Dodd-Frank and the move to clearing

Paul Cusenza, Chief Executive Officer, **Nodal Exchange, LLC**  
Randi Abernethy, Director, **Nodal Exchange, LCH.Clearnet**

**Cheap Natural Gas' Impact in the Power Portfolio Mix**

4:15 **Analyzing the Relationship between Natural Gas and Hydroelectric Power**

- Managing volatility of hydroelectricity as renewables mandates and power generation increases
- Dispatchability and low prices — How does natural gas ease integration challenges?
- Abundant gas supply in the West — Can we count on this long term?
- How low gas prices combined with system improvements eased the impact of San Onofre nuclear outages in 2012

Anders Hyde, Energy Analyst, **BENTEK Energy**

5:00 **Wine & Cheese Networking Reception**



## DAY 2: Tuesday, November 13, 2012

7:30 *Networking Breakfast*

8:15 *Chair's Review of Day One*  
*Jerry Bloom, Partner, Winston & Strawn LLP*

- 8:30 **The California Portfolio Mix**
- Integrating generation under the 33% renewable portfolio standard with natural gas
  - What is the impact of cheap natural gas on procurement?
  - Competitiveness of renewables in the immediate and long-term
  - Impact of renewables on retail rate design issues
  - What can replace voluntarily (aging) and involuntarily (once through cooling) retired natural gas units?
  - What is the future of nuclear power in California (SONGS and Diablo Canyon)?

*Kevin Smith, Chief Executive Officer, SolarReserve*  
*Trina Horner, Vice President, Regulatory Proceedings and Rates, Pacific Gas & Electric*  
*Matthew Barmack, Director, Market and Regulatory Analysis, Calpine Corp.*

9:45 **Utility Scale Solar — Design, Capacity, Location, and Forecast**



CASE STUDIES

- Crescent Dunes project
- Agua Caliente project
- Ivanpah project
- Aggregate solar profiles for 2013 and impact on the markets

*Mark Fillinger, Director, Development, First Solar, Inc.*  
*Udi Helman, Managing Director, Economic and Pricing Analysis, BrightSource Energy*  
*Andrew Wang, Director, SolarReserve*

10:45 **Networking & Refreshment Break**



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## Power Storage and the Future of Demand Response

- 11:15 **Demand Response and Efficiency Programs**
- What is the future for demand response solutions?
  - How cost effective will they be?
  - How can storage assist in demand response?

*Nancy Ryan, Deputy Executive Director, Policy and External Relations, California Public Utilities Commission*  
*Greg Wikler, Director of Regulatory Affairs, EnerNOC*

12:15 *Close of Conference*

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## Hear from the Following Leaders:

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A limited number of rooms has been reserved for Platts 8th Annual California Power Market Conference participants at the Hilton San Francisco Financial District hotel at a rate of \$209/night + tax for a standard room, single or double occupancy. The discounted group room rate will be honored until **Sunday, October 28, 2012** — or until the group block is sold-out, whichever comes first. Reservations can be made by calling the hotel directly at 415-433-6600 (direct) or 800-424-8292 (toll-free in the US). Be sure to mention that you are attending **Platts 8th Annual California Power Market Conference**.

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