

MONTREUX ENERGY

# CALIFORNIA CLEAN ENERGY ROUNDTABLE

September 28 – 30, 2011 ■ The Montage Hotel ■ Laguna Beach, California



*“Winning the Race to a Global Clean Energy Future”*

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**MONTREUX ENERGY**

Global Energy Thought Leadership

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# CALIFORNIA CLEAN ENERGY ROUNDTABLE

September 28 – 30, 2011 ▪ The Montage Hotel ▪ Laguna Beach, California

*Theme:* “Winning the Race to a Global Clean Energy Future”

*Purpose:* Montreux Energy’s seventh annual California Roundtable continues as an invitation-only, interactive stakeholder roundtable featuring many recognized policy experts, thought leaders and stakeholders from industry, government, academia, research and investment to discuss the future of clean, low-carbon power and transportation in California and the West.

Our objective is a comprehensive review of the landscape for California’s role in energy supply, demand, infrastructure, security, environment, and carbon – internationally, nationally, and locally. Looking out over a practical, five- to ten-year investment horizon, we review the many directions for fuel and technology selection, policy, investment, and consumer behavior.

*Benefits:*

- High-level, industry-to-industry interaction and quality dialogue
- Opportunity to build and renew working relationships
- A private, invitation-only debate without the constraints of the press

*Sponsorship / Speaking Opportunities:* Please contact us as soon as possible

*Delegates:* ▪ Invited participants & speakers from industry, government, NGOs, investors

*Registration:* \$1,400 Delegates (limited space) | \$1,000 Speaker rate | \$500 NGO/Academia

*Website Registration:* <http://www.montreuxenergy.com/events.php>

Please join us to share your visions. We look forward to having you with us!

Sincerely,



Andrew Bermingham, CEO

## MONTREUX ENERGY

*Global Energy Thought Leadership*

280 Detroit Street ▪ PO Box 6484 ▪ Denver, CO 80206

Tel: 303-534-2500 ▪ Cell: 303-875-8174

[Andrew@MontreuxEnergy.com](mailto:Andrew@MontreuxEnergy.com)

[www.CleanEnergy.com](http://www.CleanEnergy.com)

# CALIFORNIA CLEAN ENERGY ROUNDTABLE

## CONFIRMED SPEAKERS:



Mary Nichols  
*Chairman,*  
**California Air  
Resources Board**



Timothy Alan Simon  
*Commissioner,*  
**California PUC**



Dr Graeme Sweeney  
*EVP, CO2,*  
**Shell, London**



Dr Barry Wallerstein  
*Executive Officer,*  
**S Coast Air Quality  
Mgmt District**



Jonathan Burke  
*VP, Global Market  
Devel*  
**Westport  
Innovations**



Les Starck  
*SVP Regulatory Affairs*  
**SoCal Edison**



Peter Belisle  
*President, Energy &  
Sustainability,*  
**Jones Lang Lasalle**



Heather Quinley  
*Head of  
Environmental Policy,*  
**Duke Energy**



Kat Willson, *Partner,*  
*Environmental  
Sustainability Team,*  
**Microsoft**



Jeff Reed  
*Market Development &  
Emerging Technologies*  
**SoCal Gas**



Paul De Martini, *CTO &  
VP Innovation, Smart  
Grid Business Unit,*  
**Cisco**



Tracey Grose  
*Director Research*  
**Collaborative  
Economics**



Tristan Grimbert  
*President & CEO,*  
**enXco**



Byron Washom  
*Director, Strategic  
Energy Initiatives,*  
**UCSD**



Robert Gardner  
*Manager, Economics &  
Energy,*  
**ExxonMobil**



Dian Grueneich  
*Partner, Energy &  
Environment,*  
**Morrison & Foerster**



Michael Bissonette  
*SVP & General  
Manager,*  
**AeroVironment**



Kristin Eberhard  
*Western Energy  
& Climate,*  
**NRDC**



David van Hoogstratten  
*Director, Policy &  
Regulatory Affairs,*  
**BP**



Jana Corey  
*Director Demand-Side  
Management Policy*  
**PG&E**



Hugh McDermott  
*Vice President  
Global Utilities,*  
**Better Place**



Dr Tony Haymet  
*Director*  
**Scripps Institution of  
Oceanography UCSD**



Bill Anderson  
*Principal/Vice  
President,*  
**AECOM**



Charlie Vartanian  
*Director, Grid  
Integration*  
**A123 Systems**



Steven Ellis  
*Manager Fuel  
Cell Marketing,*  
**Honda**

# CALIFORNIA CLEAN ENERGY ROUNDTABLE

Agenda as of September 26, 2011

**Wednesday, September 28** Afternoon arrivals, Registration & Evening Welcome 6pm

**Thursday, September 29**

## 1) Opening Keynote: LEADERSHIP IN GLOBAL CLEAN ENERGY

8:30 am – 10:30 am

- California RPS and LCFS: models for a National Clean Energy Standard?
- Meeting GHG and other environmental goals in an era of uncertain incentives
- The grid and natural gas pipeline systems: changing players and supply chains
- Communicating clean energy visions and policy objectives to consumers

Speakers:

- **Mary Nichols**, Chairman, **California Air Resources Board**, Sacramento
- **Timothy Alan Simon**, Commissioner, **California PUC**, San Francisco
- **Dr Graeme Sweeney**, EVP, CO2, **Shell**, London
- **Dr Barry Wallerstein**, Executive Officer, **S Coast Air Quality Mgmt District**, Diamond Bar
- **Kristin Eberhard**, Western Energy & Climate, **NRDC**, Santa Monica
- **Heather Quinley**, Head of Environmental Policy, **Duke Energy**, Charlotte

Break 10:30 am – 11 am

## Session 2) A FUTURE OF CLEAN POWER GENERATION

11 am – 12:30 pm

- Next gen power plants: digitized, connected, virtual, smarter
- Energy efficiency, large-scale DER, CCHP, and CCS
- Natural gas: matching demand with infrastructure investment
- Ranking options by energy, carbon, and water

Speakers:

- **Les Starck**, Senior Vice President of Regulatory Affairs, **SoCal Edison**, Rosemead
- **William Jayne**, Region Executive – West Region, **GE Energy**, Ontario
- **Jeff Reed**, Market Development & Emerging Technologies, **SoCal Gas**, Los Angeles
- **Jana Corey**, Director of Strategy, Customer Energy Solutions, **PG&E**, San Francisco
- **Peter Belisle**, President, Energy & Sustainability Services, **Jones Lang Lasalle**, Los Angeles
- **Kathy Musselman**, Vice President, Corporate Solutions, **Swiss Re**, Windsor (co-chair)
- **Dave Roberts**, VP Business Development & Strategic Sales, **OSIsoft**, San Leandro

**Luncheon** 12:30 pm – 1:30 pm

- **Dian Grueneich**, Partner, **Morrison Foerster**, San Francisco

# CALIFORNIA CLEAN ENERGY ROUNDTABLE

## Session 3) CAN THE AUTOMOBILE MEET U.S. FUEL ECONOMY AND ENVIRONMENTAL GOALS?

1:30 pm – 2:00 pm

- What is the likely ICE fuel and emissions profile of the U.S. auto fleet in 2025?
- Can the U.S. Auto Market Meet Regulations in 2025?

Speakers:

- **Mary Nickerson**, National Marketing Manager, Adv Technologies Group, **Toyota**, Torrance
- **Robert Gardner**, Manager, Economics & Energy, **ExxonMobil**, Houston

## Session 4) LOWER CARBON, ALTERNATIVE TRANSPORTATION FUELS & VEHICLES

2:00 pm – 3:30 pm

- Which new technologies can meet consumer AND fuel and emission expectations?
- How will NGVs compare and compete with biofuels/biodiesel and other alt fuels?
- Wide adoption of NGV's in CA: the vehicles and views of home natural gas refueling
- NGV fueling and smart charging: Turning slow adopters into FAST adopters

Speakers:

- **Jonathan Burke**, VP, Global Market Development, **Westport Innovations**, Vancouver
- **Steven Ellis**, Manager, Fuel Cell Marketing, **Honda**, Torrance
- **Dr Tim Brown**, Technology Manager, Sustainable Transportation & Energy, **UC Irvine**, Irvine
- **Michael Bissonette**, SVP & General Manager, **AeroVironment**, Monrovia
- **Ed Kjaer**, Director, Electric Transportation, **SoCal Edison**, Rosemead
- **Rob Bearman**, Director, Global Alliances, Utilities & Energy, **Better Place**, Palo Alto

Break 3:30 pm – 4 pm

## Session 5) GOVERNMENT TRANSPORTATION POLICIES TO GET US THERE

4 pm – 4:30 pm

- Policies to maximize commercialization & adoption AND minimize fuel use & GHG
- Are state and federal tax incentives performance-based? Should they be?
- What policies best stimulate R&D for auto technologies?

Speakers:

- **Bill Anderson**, Principal/Vice President, **AECOM**, San Diego

**Clean Energy Roundtable Discussion Sessions** 4:30 pm – 5:30 pm

**Roundtable Evening Networking Reception** overlooking the Pacific Ocean 7 pm

Keynote Speaker:

- **Dr Tony Haymet**, Director, **Scripps Institution of Oceanography, UCSD**, La Jolla

# CALIFORNIA CLEAN ENERGY ROUNDTABLE

**Friday, September 30**

## **Session 6) SCALING RENEWABLE ENERGY, PAIRING WITH SMART ENERGY STORAGE**

*8:30 am – 10:00 am*

- *Leveraging incentives for renewables commercialization*
- *Grid reliability security and storage; building-scale PV and PV storage*
- *Renewables & NG: Friends, foes, frienemies? Waste-to-energy, RNG, biogas, biofuels*
- *Renewably-charged EVs: pursuing the tailpipe endgame*

*Speakers:*

- **Byron Washom**, Director, Strategic Energy Initiatives, **UCSD**, San Diego
- **David van Hoogstratten**, Director, Policy & Regulatory Affairs, **BP**, Washington
- **Tristan Grimbert**, President & CEO, **enXco**, San Diego
- **Michael O'Halloran**, Director, Industrial and Advanced Technology, **CH2M Hill**, Portland

*Break 10:00 am – 10:30 am*

## **Session 7) CA AB2514 AND ENERGY STORAGE: PATHWAYS TO IMPLEMENTATION**

*10:30 am – 11:30 am*

*Speakers:*

- **Dr Keith Casey**, VP Market & Infrastructure Development, **California ISO**, Folsom
- **Charlie Vartanian**, Director, Grid Integration, **A123 Systems**, Waltham

## **Session 8) CALIFORNIA CLEAN ENERGY ROUNDTABLE LEADERSHIP PLENARY**

*11:30am – 1:30pm*

*Speakers:*

- **Paul De Martini**, CTO & VP Innovation, Smart Grid Business Unit, **Cisco Systems**, San Jose
- **Kat Willson**, Director, Business Development, and Partner, Environmental Sustainability Team, **Microsoft**, Redmond
- **Tracey Grose**, VP & Director, Research & Strategic Devel, **Collaborative Economics**, San Mateo
- **Matt Futch**, Global Policy Lead, Energy & Utilities, **IBM**, Denver
- **Jay Kyathsandra**, Marketing Manager and Product Strategist, **Intel Data Center and Connected Systems Group**, San Jose

*End of Roundtable, Friday 2pm*

# CALIFORNIA CLEAN ENERGY ROUNDTABLE

## Past California Clean Energy Roundtable attendees:

|                             |                            |                          |
|-----------------------------|----------------------------|--------------------------|
| A123 Systems                | Deutsche Bank              | Powerex Corp             |
| ADM                         | Dunlap & Browder           | PowerLight               |
| AeroVironment               | Dynamotive                 | PetroAlgae               |
| AES                         | Eaton Corp                 | Propel Fuels             |
| Air Products & Chemicals    | EDF North America          | R. W. Beck               |
| Alcantar & Kahl             | Edison Mission Energy      | Redpoint Ventures        |
| Alstom                      | EIA                        | Rentech                  |
| Altairnano Technology       | Electric Vehicle Int'l     | Royal Dutch Shell        |
| Amer Superconductor         | Eltron Research            | RockPort Capital Ptnrs   |
| America Lithium Energy      | EmeraChem                  | Rustic Canyon Partners   |
| AEP                         | eMeter                     | Safeway Corp             |
| American Honda              | EnerNOC                    | SAFT America             |
| AMSC Power                  | EnerVault                  | SAIC                     |
| Applied LNG Technologies    | Energy                     | Sandia National Labs     |
| Applied Materials           | EPRI                       | SDGE & SoCal Gas Co      |
| APX                         | ExxonMobil                 | Sempra Energy Utilities  |
| Aramco Services             | Fluor Corp                 | Shell                    |
| BASF Venture Capital        | Ford                       | Sierra Club              |
| BC Hydro                    | GE Energy                  | SoCal Edison             |
| BDC Venture Capital         | General Atomics            | South Coast AQMD         |
| Beacon Power Corp           | General Motors             | SRI International        |
| Bechtel Group               | Honda                      | Stanford University      |
| Bessemer Ventures           | Honeywell                  | SunPower Corporation     |
| Boeing                      | ICCT                       | Synthetic Genomics       |
| Boies, Schiller & Flexner   | Janney Montgomery Scott    | Toyota Motor Sales, USA  |
| BP                          | IBM                        | U.S. DOE                 |
| Calif Climate Registry      | John Deere                 | U.S. EPA                 |
| Calif Energy Commission     | KBR Development            | UC Berkeley              |
| California EPA              | Kenworth Truck PACCAR      | UC Davis ITS             |
| Calif Fuel Cell Partnership | Lawrence Berkeley N Lab    | UC San Diego             |
| California ISO              | Lawrence Livermore N Lab   | United Technologies      |
| California PUC              | Lotus Engineering          | UOP LLC                  |
| CalPERS                     | Mohr Davidow Ventures      | USC Energy Institute     |
| Calpine Corporation         | Morgan Stanley             | US Venture Partners      |
| CALSTART                    | Nat'l Renewable Energy Lab | Viasyn                   |
| CARB                        | Nissan                     | Volkswagen               |
| Carbon Trust                | NRDC                       | Volvo Cars North America |
| Chevron                     | Oak Ridge Nat'l Lab        | VRB Power Systems        |
| Chrysler                    | Pacific Corporate Group    | Wells Fargo Bank         |
| Climate Change Capital      | Pacific Gas & Electric     | Westport Innovations     |
| CMEA Ventures               | Pacific Northwest Labs     | Wilson Sonsini Goodrich  |
| ConocoPhillips              | Paladin Capital Group      | Xcel Energy              |
| Cummins                     | Pentadyne Power            | ZBB Energy Corp          |
| Daimler                     | PetroAlgae                 | Zenergy Power            |

# CALIFORNIA CLEAN ENERGY ROUNDTABLE

The Montage Hotel, Laguna Beach, California



*Montage*  
LAGUNA BEACH



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The Montage Hotel, Laguna Beach, California

## **Directions from John Wayne/Orange County Airport (SNA)**

1. Turn right out of Airport onto MacArthur Boulevard.
2. Follow MacArthur Boulevard for approx. 5 miles until it ends at Pacific Coast Highway.
3. Turn left on Pacific Coast Highway (South).
4. Follow Pacific Coast Highway for approximately 12 miles to Montage Resort Drive.
5. Turn right on Montage Resort Drive.

Driving time: 30 minutes

## **From Los Angeles International Airport (LAX)**

1. Follow signs exiting LAX to 405 Freeway South.
2. Proceed on Interstate 405 South for approximately 45 miles.
3. Exit Highway 133 South to Laguna Beach.
4. Proceed on Highway 133 for 9 miles until it ends at Pacific Coast Highway.
5. Turn left onto Pacific Coast Highway (South) through town.
6. Turn right on Montage Resort Drive.

Driving time: 1 hour 30 minutes (in light traffic)

## **From San Diego International Airport (SAN)**

1. Follow Harbor Drive out of the airport.
2. Follow signs to Interstate 5 North.
3. Proceed on Interstate 5 North to Highway 1 (Beach Cities exit) near Dana Point.
4. Proceed on Highway 1 through Dana Point to Laguna Beach.
5. Turn left on Montage Resort Drive.

Driving time: 1 hour 15 minutes (in light traffic)

## **From Long Beach International Airport (LGB)**

1. Turn right out of Long Beach Airport onto Lakewood Boulevard.
2. Follow signs to Interstate 405 South, Proceed on Interstate 405 South for approximately 25 miles.
3. Exit Highway 133 South to Laguna Beach.
4. Proceed on Highway 133 for 9 miles until it ends at Pacific Coast Highway.
5. Turn left onto Pacific Coast Highway (South) through town.
6. Turn right on Montage Resort Drive.

Driving time: 1 hour

## **From Ontario International Airport (ONT)**

1. Exit airport and follow signs to Interstate 15 South.
2. Proceed on Interstate 15 South to Highway 91 West (Beach Cities).
3. Proceed on Highway 91 West to Highway 241 South.
4. Exit Highway 241 (toll road) South. Exact change is not required.
5. Exit Highway 133 South to Laguna Beach.
6. Proceed on Highway 133 for 13 miles until it ends at Pacific Coast Highway.
7. Turn left onto Pacific Coast Highway (South) through town.
8. Turn right on Montage Resort Drive

Driving time: 1 hour 30 minutes