

Renewable Energy Integration and Transmission Expansion

Enhancing Operational Strategies to Capitalize on Current and Future Renewable Energy Resources

March 22 -24 , 2011
San Francisco, CA

[More Registration Details. Click Here!](#)

“REACH renewable integration goals of managing peak load, reducing emissions and increasing the efficiency and reliability of asset use.”



Overcoming the challenges of renewable power integration, market investment, intermittency and interconnection in order to create a seamless renewables process.

Attending this Premier marcus evans Conference will Enable You to:

- **Address** the current policy environment for Renewable Integration and Transmission with **WAPA**
- **Implement** cost recovery strategies to offset profit draining renewable expenses with **New Mexico Public Regulation Commission**
- **Develop** a company integrated resource plan that embraces the use and growth of renewable energy sources with **Southern California Edison**
- **Explore** options for improving the current transmission system to accommodate renewable energy resources with **San Diego Gas & Electric**

Who Should Attend:

marcus evans invites Vice Presidents, Directors and Managers in Utility and Renewable Energy companies with responsibilities in:

- Renewable Energy Generation / Development
- Sustainable Energy
- Transmission / Interconnection / Integration
- Planning / Development
- Wind / Solar / Geothermal / Biomass projects

Featuring Case Studies from Leading Renewable Energy Experts Including:

David Hicks

Director of Renewable Energy Procurement and Technical Services
NV Energy

Paul Douglas

Manager of Renewable Procurement and Resource Planning
California Public Utilities Commission

James Avery

Senior Vice President Electric Transmission
San Diego Gas & Electric

Bryan Hannegan

Vice President, Environment and Renewables
Electric Power Research Institute

William Patzin

Senior Engineer Interconnection Coordinating Department
PJM Interconnection

Tom Nicholas

Regional Director, Central US
Solar Electric Power Association

Julie Fitch

Director Energy Division
California Public Utilities Commission

Jason A. Marks

Commissioner District 1
New Mexico Public Regulation Commission

John Pespisa

Manager Real-Time Operations
Southern California Edison

Craig Knoell

Transmission Infrastructure Program Manager
Western Area Power Administration

Marc Spitzer

Commissioner
Federal Energy Regulatory Commission

Thor Hinckley

Manager, Renewable Power Program
Portland General Electric Company

William McMullen

Manager, Renewables and Green Strategies
Southern Company

Rick Loughery,

Director, Environmental Activities
Edison Electric Institute

Jay Caspary

Director
Transmission Development
Southwest Power Pool

Mark Kapner

Senior Strategy Engineer
Austin Energy

Todd Allmendinger

Vice President
Charles River Associates

Charles Adamson

Manager – Major Projects Organization
Transmission Projects
Southern California Edison

Jeffrey Miller

Vice President, Planning
ColumbiaGrid

George Marshall,

Director Electric Transmission
Puget Sound Energy

Michael McMullen

Director West Regional Operations
Midwest ISO

Thomas Wrenbeck

Director, Regulatory Strategy
ITC Holdings Corp.

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Oh My Gov!

Day One | Tuesday, March 22, 2011

1:15 Registration

1:45 Opening Remarks from Chairperson

REVIEWING TRANSMISSION REQUIREMENTS FOR RENEWABLE ENERGY EFFECTIVENESS

2:00 Case Study

Addressing the Current Policy Environment for Renewable Integration and Transmission

- Providing insight into green energy related aspect stimulus package
- Highlighting policy changes under consideration for a consistent framework
- Outlining the legal issues associated with transmission for renewable development
- Identifying policy incentives for cost allocation and recovery
- Reconciling State, Regional and Federal mandates and policies

Craig Knoell

Transmission Infrastructure Program Manager

Western Area Power Administration

2:45 Interactive Panel Discussion

Incorporating Environmental Concerns into Transmission and Renewable Projects

- Understanding the issues that come along with working on environmentally sensitive, urban or federally owned lands
- Reviewing land use policies to put the best transmission lines in the best corridors
- Raising awareness and educating local property owners about the need form ore transmission
- Overcoming the hurdles of dealing with multiple interveners

Rick Loughery

Director, Environmental Activities,

Edison Electric Institute

Jay Caspary

Director, Transmission Development

Southwest Power Pool

3:30 Networking Break

4:00 Case Study

Update on FERC Transmission Policies and Regulations

- Discussing the recent updates and additions to FERC's regulations affecting transmission
- Understanding the influence these changes will have on companies' transmission expansion strategies
- Putting transmission projects and plans into place that will incorporate these policies

Marc Spitzer

Commissioner

Federal Energy Regulatory Commission

4:45 Case Study

Working Through Interconnection and System Operation Challenges Regarding Renewable Energy

- Mitigating the power congestion issues in and around cities
- Reviewing what it is going to take to integrate renewables
- Examining the Transmission needs in the light of current generation locations
- Balancing the intermittency or variability inherent in wind and solar to accommodate a higher penetration of renewables
- Discussing whether to give renewable energy dispatch priority

George Marshall

Director Electric Transmission

Puget Sound Energy

5:30 End of Day One

[More Registration Details, Click Here!](#)

PRODUCER INFO:

I would like to thank everyone who has assisted with the research and organization of the event, particularly the speakers for their support and commitment.
January Heckman, januaryh@marcusevansch.com.

Day Two | Wednesday, March 23, 2011

7:30 Registration

7:45 Opening Remarks from Chairperson

EVALUATING THE CURRENT RENEWABLE ENERGY LANDSCAPE AND INTERCONNECTION CHALLENGES

8:00 Case Study

Current Status of Renewable Energy Development in North America

- Providing an overview of the current North American renewable energy industry
- Outlining projections for future North American renewable energy supply and demand
- Understanding the implications of incorporating renewables into the energy system
- Describing the key technology, economic and environmental challenges of renewables

Bryan Hannegan

Vice President, Environment and Renewables

Electric Power Research Institute

8:45 Case Study

Developing Strategies for Renewable Energy Interconnection and Integration

- Identifying the key hurdles to renewable energy development including the strength of the current transmission system, interconnection processes, and operating and policy restrictions
- Addressing key challenges around the current economic landscape and renewable energy development
- Overcoming difficulties with renewable energy integration on different transmissions systems and highlighting possible solutions
- Combining various types of intermittent energy resources without over taxing the control center
- Determining integration costs with different resource mixes at certain levels of renewable penetration

David Hicks

Director of Renewable Energy Procurement and Technical Services

NV Energy

9:30 Networking Break

10:00 Case Study

Focusing on System Operations When Integrating Renewable Energy Projects

- Understanding the importance of effective system operations when incorporating renewable energy
- Reviewing the lack of dependability of renewable energy and what the transmission system needs to do to compensate for the volatility
- Developing dispatchable intermittent resources and implementing into the transmission system

Michael McMullen

Director West Regional Operations

Midwest ISO

UNDERSTANDING THE SIGNIFICANT CHANGES REQUIRED TO ACCOMMODATE RENEWABLE POWER

10:45 Case Study

Implementing Cost Recovery Strategies to Offset Profit Draining Renewable Expenses

- Designing a workable and policy-backed cost recovery or "trueup" mechanism that will automatically adjust charges stemming from approved transmission costs
- Utilizing storage facilities to contribute to the reliability, efficiency and cost-effectiveness of renewable generation
- Gaining approval for a rate schedule that will allow the utility to recover directly from customers the costs associated with qualifying renewable energy projects
- Using RECS and Green tag markets as cost recovery mechanisms
- Understanding regulatory outlook and provisions for cost recovery strategies to aid in the approval process

Jason A. Marks

Commissioner District 1

New Mexico Public Regulation Commission

Day Two | Continued

11:30 Luncheon

12:30 Case Study

Taking an Innovative Approach To Planning in the West

- Reviewing sub-regional plans and the Western Electricity Coordinating Council's interconnection-wide plans
- Understanding what is driving the new transmission investment
- Contemplating the question of who owns the interregional transmission network
- Identifying ColumbiaGrid's approach to cost allocation

Jeffrey Miller,

Vice President Planning

ColumbiaGrid

1:15 Case Study

CRA's Energy and Environment practice provides expert economic and business consulting services to a wide range of electricity industry clients, so we're keenly aware of current, critical issues. They include:

- Global climate change concerns focused on electricity generation
- The expansion of private equity firms into the energy sector
- A need for significant investments in transmission and generation assets
- Changes in the approach to regulation at national and state levels
- Changes in the pace and direction of electricity industry reform

Todd Allmendinger

Vice President

Charles River Associates

2:00 Case Study

Effectively Integrating Renewable Energy for an Ideal Power Grid

- Overcoming the challenge of source disconnects from the grid to improve the generation landscape
- Outlining the significant changes required of the power grid to accommodate renewable power integration
- Educating customers to ensure community engagement

William McMullen

Manager, Renewables and Green Strategies

Southern Company

2:45 Networking Break

3:15 Case Study

Keeping up with Customer Demand for Renewable Energy Options

- Responding to customer requests for renewable energy products
- Sharing best practices for dealing with rising customer connection rates
- Moving above and beyond RPS mandates by responding to customer demand
- Understanding how customers are educating themselves on the benefits of renewable energy, and where there may be gaps in knowledge
- Reviewing cost recovery strategies in light of green credits and subsidies

Thor Hinckley

Manager, Renewable Power Program

Portland General Electric Company

4:00 Case Study

Determining Funding Solutions for Proposed Transmission Projects

- Ensuring that companies receive equitable cost recovery after funding large transmission projects
- Meeting the demands from independent power producers who want to build large amounts of transmission without funding the projects
- Identifying who is paying for the infrastructure and how the cost is allocated

Thomas Wrenbeck

Director, Regulatory Strategy

ITC Holdings Corp.

4:45 Case Study

Forming Productive Permitting and Siting Techniques to Receive Project Approval

- Understanding what local governments are doing to coordinate the siting and building of transmission networks
- Identifying the requirements typically involved in the state permitting process
- Receiving specific permits for different corridors where transmission lines are being built
- Balancing ecological needs and aesthetics when making project plans

Charles Adamson

Manager- Major Projects Organization, Transmission Projects

Southern California Edison

5:00 End of Day Two

Day Three | Thursday, March 24, 2011

8:30 Registration

8:50 Opening Remarks from Chairperson

LESSONS LEARNED FROM CURRENT RENEWABLE ENERGY INITIATIVES

9:00 Case Study

Discussing Issues Posed by the Growth of Wind Energy in Texas

- Determining what factors contributed to the dramatic expansion of wind farms in Texas
- Debating the impact of the state's pro-active policy concerning approval of new transmission to expedite new wind farm development
- Sharing how wind energy is integrated into the Texas Grid

Mark Kapner

Senior Strategy Engineer

Austin Energy

9:45 Case Study

Helping Utilities Make Smart Solar Decisions Through Solar Business Models

- Aggregating, integrating and controlling systems to reduce host and developer costs
- Targeting local capacity constraints using tracking systems
- Integrating distributed solar with local smart grid initiatives

Tom Nicholas

Regional Director, Central US

Solar Electric Power Association

10:30 Networking Break

11:00 Case Study

Identifying the Challenges of Receiving State vs. Federal Approval for Transmission Projects

- Pinpointing whether state or federal bodies have the ultimate authority when approving projects and who is going to make the final decision
- Understanding the basic requirements needed to receive project approval from state or federal entities
- Balancing national policy regulatory changes with the current economic situation
- Dealing with policy changes and still meeting rates and budget goals

Julie Fitch

Director Energy Division

California Public Utilities Commission

11:45 Case Study

Developing a Company Integrated Resource Plan that Embraces the Use and Growth of Renewable Energy Sources

- Creating a company wide support and investment in providing reliable and cost-effective renewable energy alternative to customers
- Gaining public involvement from state and regional agencies, customer and industry advocacy groups, project developers and other stakeholders
- Adopting action plans to grow renewable power integration and development by determining the long-run economic and operational performance of alternative resource portfolios
- Forming a preferred portfolio mix which is cost effective, and takes into consideration risk, supply reliability, uncertainty, and government policies

John Pespisa

Manager Real-Time Operations

Southern California Edison

[More Registration Details, Click Here!](#)

MARKETING INFO

A limited amount of exhibition space is available at the conference. Sponsorship opportunities covering luncheon, evening functions and documentation also exist. For further details, please inquire to **David Drey** ddrey@marcusevansch.com or 312 540 3000 ext: 6474.

Day Three | Continued

12:30 Topical Luncheon

Forecasting Challenges with Renewable Power Distribution

Top utility companies continue to look into the future to anticipate possible challenges. This topical luncheon will give you the opportunity to network with your peers and identify possible areas of setback and concerns around distribution of renewable energy resources. Early communication and discussion can open the pathway to later identification and problem solution. Discuss your thoughts with the group once you reconvene in the conference room.

Moderator:

Paul Douglas

Manager of Renewable Procurement and Resource Planning

California Public Utilities Commission

1:30 Topical Luncheon Discussion

2:00 Case Study

Lessons Learned in the Integration of Wind Projects into the PJM System – from the Interconnection Services Agreement to Initial Operation; Items to Address for a Successful integration

- Understanding the particulars of the Interconnection Services Agreement and Construction Services Agreement
- Establishing a good repertoire with the Interconnected Transmission owner project manager and PJM
- Critical items to address early on in the project such as telemetry
- Behind the scene items that need to be completed timely such as interconnection outage planning and system model updates
- Identifying and addressing how project will be marketed
- The home stretch – testing and commission activities
- Successful start up and integration into the system
- Final project close out

William Patzin

Senior Engineer, Interconnection Coordinating Department

PJM Interconnection

2:45 Case Study

Exploring Options for Improving the Current Transmission System to Accommodate Renewable Energy Resources

- Increasing reliability by developing a new grid with better technology and efficiency
- Ramping up the transmission system and the strength of the grid to withstand the integration of renewables
- Determining the best methods for integrating new energy sources into an aging infrastructure with accuracy and speed
- Targeting what is needed in order to realize our renewable potential

James Avery, Senior Vice President, Electric Transmission

San Diego Gas & Electric

3:30 Closing Remarks and End of **Renewable Energy Integration and Development**

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WHY YOU MUST ATTEND:

Renewable energy requirements continue to grow in the US driving the need for electric providers to utilize renewable energy resources such as wind, solar, geothermal and biomass. With the growth of renewable power consumption and development, utilities are finding it increasingly difficult to connect and integrate renewable energy into the existing electricity grid and are searching for ways to better utilize new technology, conflicting and overlapping regulations, cost recovery options and transmission integration strategies.

Renewable energy accounted for 10.1% of the domestically produced electricity in the US in the first 3 months of 2010. Wind and Solar power developments are increasing, however renewable resources are often located in remote areas and are plagued by the challenge of intermittency and as such the goal of the utility provider is to manage peak loads, reduce carbon emission, increase the efficiency of asset use and improve system wide efficiency and reliability.

The **marcus evans** Renewable Integration and Development conference will seek to expand the discussion on renewable energies, more specifically how they are being integrated and connected to the existing grid and strategies for offsetting the cost of increased renewable development.