



EUCI Presents the 3rd Annual Conference on:

WESTERN TRANSMISSION

July 13 - 14, 2009 • Intercontinental Mark Hopkins • San Francisco, California



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WESTERN TRANSMISSION

July 13 - 14, 2009

OVERVIEW

From Washington State to Washington DC, people are talking about the need for, and importance of new electricity transmission. This is especially true in the Western United States and Canada where demand is growing and opportunities abound to attach renewable energy sources to the grid. In addition, new transmission will increase efficiency, provide a more reliable energy delivery system, and will encourage a more diverse and efficient energy supply for the western U.S. and the nation as a whole.

This EUCI conference will highlight solutions to address the most current issues in western transmission expansion. Economic factors and construction time frames have a huge impact, influenced by regulators and the general public. All the while, demand and RPS requirements are looming. How will the ends meet? This conference will explore these issues in-depth with the organizations that must work together to ensure new transmission can be built to meet the challenge of providing enough green power for the west.

WHO SHOULD ATTEND

- Transmission Owners, Operators and Planners from the Western U.S.
- Regulatory Affairs Professionals
- Renewable Energy Project Managers and Developers

LEARNING OUTCOMES

- Identify the major impediments to transmission expansion in the west and analyze solutions to overcome these obstacles
- Discuss the process and progress of the WECC transmission expansion planning effort
- Evaluate the role of merchant transmission projects in western transmission expansion
- Analyze state regulators' approach to siting transmission lines both intrastate and interstate
- Evaluate the implementation of renewable energy zones
- Explain the metrics involved to determine feasible renewable penetration level and examine results of various studies
- Discuss the status of modifications to the CAISO interconnection queue
- Analyze the impacts that Smart Grid technologies will have on transmission expansion and planning

IACET



EUCI has been approved as an Authorized Provider by the International

Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102. In obtaining this approval, EUCI has demonstrated that it complies with the ANSI/IACET Standards which are widely recognized as standards of good practice internationally.

As a result of their Authorized Provider membership status, EUCI is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standards.

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Instructional Methods

This program will employ Case Studies, PowerPoint Presentations and Panel Discussions.

Requirements for Successful Completion

Participants must sign in/out each day and be in attendance for the entirety of the conference to be eligible for continuing education credit.

PROGRAM AGENDA

MONDAY, JULY 13, 2009

- 12:30 – 1:00 p.m. Registration**
- 1:00 – 2:00 p.m. Existing Approaches and Best Practices Among the Western States with Respect to Siting Major Electric Transmission Lines**
Holland & Hart has been tasked with writing a Western Transmission White Paper at the request of the Western Interstate Energy Board in consultation with the Western Governors' Association. This project will cover the diverse approaches of western states in handling siting approvals for major new transmission lines, what the best practices are, and possible ideas for reform. The survey will investigate siting regulations in the following states: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming. This presentation will share the survey results and discuss:
- How state agencies are charged with approving new transmission siting and what criteria they use
 - The process for considering electric transmission lines in a National Interest Electric Transmission Corridor
 - What, if any, proposals are under consideration by the state legislature which would address impediments to transmission expansion
- *James A. Holtkamp, Partner, Holland & Hart*
- 2:00 – 3:00 p.m. Transmission Expansion Planning at WECC**
The presentation will discuss WECC's transmission planning process along with identified western projects moving through WECC's path rating process and in some cases state regulatory processes. Renewable resource characteristics and location are currently a major focus of the WECC TEPPC studies, as is a carbon emission reduction policy. The TEPPC has a DOE focus on regional planning through the America Recovery & Reinvestment Act and in other legislation introduced in Congress. This presentation will provide WECC's perspective and will be a great opportunity to understand how states and other stakeholders interact with regional entities both now and potentially as regional entities are given more responsibilities.
- *Scott Cauchois, Chair, WECC Transmission Expansion Planning Policy Committee*
- 3:00 – 3:30 p.m. Networking Break**
- 3:30 – 4:15 p.m. Challenges and Solutions in Economic Transmission Planning**
Evaluating the economic benefits of a proposed transmission project is not an exact science. This presentation will focus on the common issues and best practices in studying the system efficiency benefits of new transmission projects.
- *Gary Moland, Vice President, Ventyx*
- 4:15 – 5:30 p.m. Panel Discussion: The Role of Merchant Transmission**
This panel discussion will showcase some leading merchant transmission projects and discuss how merchant transmission will possibly enable a greater integration of merchant, and utility, renewable projects and the importance of merchant transmission in terms of moving transmission projects forward (in some cases – large, multi state projects), among other topics.
- *Jerry Vaninetti, Vice President, Western Development, Trans-Elect*
 - *Lawrence Willick, Vice President, LS Power*
- 5:30 – 6:30 p.m. Networking Reception**

PROGRAM AGENDA

TUESDAY, JULY 14, 2009

7:30 – 8:00 a.m. Continental Breakfast

8:00 – 10:00 a.m. Panel Discussion: Regulatory Perspective on What it Will Take to Meet the Future Electricity Needs of the West

There are many transmission projects being proposed in, and between, the western states. The approval process is complicated and sometimes cumbersome. This panel discussion will highlight the efforts each state is making in terms of managing goals in terms of integrating renewable energy and meeting demand, and that impacts transmission siting. Panelists will discuss:

- Efforts at the state level to ease the siting process
- How states can work together on interstate transmission projects
- Cost recovery mechanisms
- FERC involvement

- *Chairman Kristin Mayes, Arizona Corporation Commission*
- *Commissioner Timothy Alan Simon, California Public Utilities Commission (invited)*
- *Commissioner Jim Tarpey, Colorado Public Utilities Commission*

10:00 – 10:30 a.m. Networking Break

10:30 a.m. – 12:30 p.m. Expediting the Process with Renewable Energy Zones

Renewable Energy Zones are being created as a way to identify areas with large potential for renewable energy in order to guide the development of renewable energy generation projects and corresponding transmission lines to get the energy to load centers. This session will discuss the process and progress on the Western Renewable Energy Zones, California Renewable Energy Zones and the Competitive Renewable Energy Zones in ERCOT.

- *Thomas Carr, Western Interstate Energy Board/Western Governor's Association*
- *Anne Gillette, RETI Project Manager, California Public Utilities Commission*
- *Charles W. Jenkins, Vice President, System Operations, Oncor Electric Delivery*

12:30 – 1:30 p.m. Group Luncheon

1:30 – 2:15 p.m. Studying Renewable Curtailment Due to Transmission

This presentation will highlight various techniques in evaluating the deliverability of wind and other renewable resources on the transmission system. Topics will include study design and appropriate metrics for determining the feasible level of renewable penetration on the existing and future grid, as well as example results from actual studies.

- *Rob Cleveland, Manager, Power Planning, Ventyx*

About EUCI

EUCI is a leading provider of conferences, seminars, workshops and courses designed exclusively for the energy industry. We seek to create a forum for professional communication and exchange knowledge and ideas among energy industry professionals and others interested in the industry.

Join the thousands of others who have attended our events since 1987 and see why they keep coming back.

PROGRAM AGENDA

TUESDAY, JULY 14, 2009

(CONTINUED)

2:15 – 3:15 p.m.

Interconnection Reform in California: Progress and Remaining Challenges

The Need for Reform

- Breakdown of serial process
- Queue explosion and RPS land grab
- Basics of Generation Interconnection Process Reform (GIPR):
 - o Increased cost to enter
 - o Clustering
 - o Early read on transmission costs
 - o Financial security
 - o Integration with CAISO transmission plan

Status Update

- CAISO GIPR
- SCE's WDAT
- Establishment of Serial Group and Transition Group
- Winnowing of the existing queue: before-after view
- First Cluster Window, when it closes, and steady-state GIPR timeline
- Development of unit cost guides
- Phase I studies nearing completion

SCE Perspective on Remaining Challenges

- Serial and Transition Group conflicts
- Development of master plans of service (hypothetical example)
- Resource peaks for performing the studies
- How to handle small generators
- Pleasant and not so pleasant surprises
- Process still takes a long time vs. project sponsor expectations

– *Gary Holdsworth, Project Manager, Transmission Regulatory Policy Group, Southern California Edison*

3:15 – 4:00 p.m.

The Impact of Smart Grid Technologies for Transmission

Investments in Smart Grid technology are expected to yield many benefits, potentially including reductions in transmission expansion, peaking capacity, integration of multiple generation resource to include renewable energy, and emissions reduction. Each Smart Grid capability has a value and can enable new things to happen in the electric sector. Some applications are worth doing some, less so. This presentation will discuss the value proposition of certain Smart Grid Technologies and what that means for transmission planners and renewable project developers in the west.

– *Jeffrey Stewart, Group Leader, Applied Statistics and Economics Section, Systems and Decision Sciences Group, Lawrence Livermore National Laboratory*
– *Pacific Gas & Electric Representative*

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PROCEEDINGS

A copy of the conference proceedings will be distributed to attendees at the event. If you are unable to attend or would like to purchase additional copies, flash drives are available two weeks after the conference is complete. The cost per Flash Drive is US\$295 [add US\$50 for international shipments]. Flash Drives include visual presentations only. Upon receipt of order and payment the Flash Drive will be shipped to you. NOTE : All presentation flash drive sales are final and are non-refundable.

CONFERENCE LOCATION

A room block has been reserved at the Intercontinental Mark Hopkins, Number One Nob Hill, San Francisco, CA 94108, for the nights of July 12-13, 2009. Room rates are \$175 plus applicable tax. Call (800) Nob-Hill or (800) 662-4455 for reservations and mention the EUCI conference to get the group rate. Make your reservations prior to June 24, 2009. There are a limited number of rooms available at the conference rate. **Please make your reservations early.**

REGISTRATION INFORMATION

REMEMBER, EVERY 4TH REGISTRANT IS FREE

For instant registration, call (303) 770-8800 or fax the Registration Form to (303) 741-0849.

Register 3, Send 4th Free!!

Any organization wishing to send multiple attendees to this conference may send 1 FREE for every 3 delegates registered. Please note that all registrations must be made at the same time to qualify.

All cancellations received on or before June 12, 2009 will be subject to a US \$195 processing fee. Written cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI conference or publication. This credit will be good for six months. In case of conference cancellation, Electric Utility Consultants' liability is limited to refund of the conference registration fee only. For more information regarding administrative policies such as complaints and refunds, please contact our offices at (303) 770-8800.

EUCI reserves the right to alter this program without prior notice.

MAIL DIRECTLY TO:

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Greenwood Village, CO 80121

FAX TO: (303) 741.0849 **PHONE:** (303) 770.8800

REGISTRATION CODE:

Your Registration Code Is **W665**

Please Use This When Registering For The Conference

PLEASE REGISTER THE FOLLOWING

- 3rd Annual Western Transmission Conference, July 13 - 14, 2009, US\$1395
Early Bird on or Before July 2, 2009, US\$1195
- Speaker Presentations Available on Flash Drive, US\$295**
Flash Drives are available 2 weeks after the conference is complete. *add US\$50 for international shipments*

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