

TRANSMISSION SUMMIT 2010

The 12th Annual Edition of the Transmission Industry's Premier Business Meeting



March 3-5, 2010 | Almas Temple Club | Washington, DC

Keynote Speakers



Philip D. Moeller
Commissioner,
**FEDERAL ENERGY
REGULATORY
COMMISSION
(FERC)**



Phil Harris
CEO and Founder,
TRES AMIGAS, LLC
and Former CEO,
PJM INTERCONNECTION LLC

Senior Decision-Makers from These Organizations Will Gather to Share Their Insights:

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 **8 Real World Transmission Business Case Studies**



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About the Summit

Now in its twelfth year, the annual *Transmission Summit* has established itself as the premier gathering for the leaders in the transmission industry. At this year's Summit, senior transmission executives will gather and address the strategic, regulatory, investment, and technology issues facing the industry and explore strategies for maximizing the true value of their business.

Transmission Summit 2010 will follow the highly successful format of years past, with two distinct events featured on the three-day program:

The *Transmission Executive Forum: Impact of Energy Policy and Initiatives*, March 3, 2010, will provide an unparalleled platform for leading transmission executives and regulators to explore how today's energy and regulatory policy issues—including the status of pending legislation, efforts to expand the geographic scope of planning, cost allocation for upgrades, the market redesigns required by smart grid and demand response initiatives, and the impact of stricter NERC compliance standards—are likely to affect the development and operation of the transmission system of tomorrow.

At *Transmission Summit 2010: Thriving within the Changing Face of Transmission*, March 4-5, 2010, the industry's key leaders will provide a detailed analysis of how they are responding to shifts in today's transmission environment, including the addition of renewable energy and the introduction of smart grid technologies, as well as how they are incorporating intermittent generation assets, demand response programs and energy storage into system planning and operations. Most importantly, it will provide a window on the changing face of transmission development including a review and discussion of the business models, the financing strategies, and the practical lessons being learned in siting, permitting, project and construction management.

Transmission Executive Forum: Impact of Energy Policy and Initiatives

March 3, 2010

Welcome and Opening Remarks from the Chair:

Cristin Lyons, *Partner*, SCOTTMADDEN INC.



Keynote Address:

Commissioner Philip D. Moeller,
FEDERAL ENERGY
REGULATORY COMMISSION (FERC)

Update on Energy Policy: Impacts on Transmission

In 2009, Congress moved quickly to enact an energy-heavy stimulus bill and proposed energy legislation that may significantly impact the transmission build-out. The FERC's new leadership also took an active interest in transforming the grid and has launched a number of inquiries into cost allocation, interconnection queuing, and wide-ranging grid planning. This presentation will explore the potential changes in national energy policy for 2010, and their impacts on transmission.

- » Carbon cap & trade—potential implications for transmission
- » Legislative and regulatory developments regarding siting & cost allocation

Elliot Roseman, *Vice President, Energy, Climate & Transportation (ECT)*, ICF INTERNATIONAL

DOE Loan Guarantee Program and Smart Grid Stimulus Funding: What to Consider When Pursuing Funding and Lessons Learned

In July 2009, the DOE issued two loan guarantee solicitations; one to support a wide range of projects that employ “new or significantly improved technology”—including advanced transmission and distribution—and another to support commercial transmission projects that will commence construction by September 30, 2011. As government funding for energy initiatives continues to move forward, this panel will discuss the benefits and challenges of pursuing stimulus money and loan guarantees that are available for transmission projects, including smart grid. The panel will also explore the potential impact of the proposed “Greenbank” legislation on the funding of transmission projects.

Moderator:

Glenn Berger, *Partner, Energy and Infrastructure Projects Group*, SKADDEN, ARPS, SLATE, MEAGHER & FLOM LLP

Panelists:

Partho Sanyal, *Director, Global Energy and Power*, BANK OF AMERICA MERRILL LYNCH INVESTMENT BANKING

Jack Strausman, *Managing Associate General Counsel*, PEPCO HOLDINGS, INC.

Additional panelists to be announced

Planning: Expanding Geographic Scope

As the need to move power from renewable and other remote sources expands, both the DOE and FERC are pushing inquiries into how transmission planning might be done on a greatly expanded geographic basis. DOE has initiated an \$80 million dollar study on how planning might be done across the entire Eastern and Western Interties, as well as throughout ERCOT, while FERC has recently made regional planning under order No. 890 a major focus of activity. These investigations will inevitably consider the tradeoffs between developing long transmission lines or locating generation closer to load, as well as how to plan in an area where there is no ISO or regional planning entity. This panel will discuss these activities, and how these situations might best be handled.

Moderator:

Philip Mihlmester, *Senior Vice President, Energy, Climate & Transportation*, ICF INTERNATIONAL, INC.

Panelists:

David Boguslawski, *Vice President, Transmission Strategy & Operations*, NORTHEAST UTILITIES

Jay Caspary, *Director, Engineering*, SOUTHWEST POWER POOL LLC

Henry Chao, *Vice President, System and Resource Planning*, NEW YORK INDEPENDENT SYSTEM OPERATOR

Flora Flygt, *Director of Planning*, AMERICAN TRANSMISSION COMPANY

John Lawhorn, *Director, Regulatory and Economic Studies*, MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR

Transmission Executive Forum: Impact of Energy Policy and Initiatives Continued

Pricing: Allocation of Transmission Upgrade Costs

While a major build-out of renewable generation is underway, with future national renewable portfolio and climate control regimes uncertain, and the details of many states' RPS undetermined, Load Serving Entities have been reluctant to commit to PPAs and the full cost of transmission. Recent court decisions and regulatory actions have provided impetus to the movement to socialize transmission costs, but many utilities and regulators question the cost efficiency of building large-scale transmission projects to transport renewable power to load centers. Should costs be socialized across the system, or should transmission customers bear the primary brunt of system upgrade costs? How will jurisdictional divides affect the financeability of transmission projects? How will benefits be measured? How will state regulators balance the need for transmission to serve renewables with prudence? This panel will examine these and other issues surrounding cost allocation for transmission projects.

Panelists:

David Gates, *Vice President, Wholesale Operations*, NORTHWESTERN ENERGY

Kevin Jones, Ph.D., *Director of Power Market Policy*, LONG ISLAND POWER AUTHORITY

Michael Kormos, *Senior Vice President – Operations*, PJM INTERCONNECTION, LLC

Steven Naumann, *Vice President, Wholesale Market Development, Government Affairs & Public Policy*, EXELON CORP.

Thomas Wrenbeck, *Director of Regulatory Strategy*, ITC HOLDINGS CORP.

Market Design: Demand Response, Smart Grid, Intermittency, Energy Storage and Plug-in Hybrids

21st Century environmental and climate change challenges have started a fundamental redesign of the power system—legislation and regulatory initiatives are pushing the commercialization of a variety of Cleantech and Smart Grid technologies. However, the potential benefits from smart grid technology tend to be accrued on a social level or by third parties, while transmission and distribution bear regulatory risks, creating a disincentive for large-scale investment by utilities. Do market designs need to be updated to encourage investment in smart grid, energy storage and other leading edge technologies?

Do changes need to be made to fully realize the benefits of demand response programs and accommodate intermittent assets, plug-in hybrids and other future demands on the transmission system? This panel will discuss these and other market design issues.

Moderator:

Laurie Oppel, *Managing Director*, NAVIGANT CONSULTING, INC.

Panelists:

Michael Robinson, *Manager, Market Development*, MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR

Richard Sedano, *Director and Principal*, THE REGULATORY ASSISTANCE PROJECT

Erick Winkler, Ph.D., *Project Manager – Demand Resource Qualification*, ISO NEW ENGLAND

NERC Compliance: Meeting a Tougher Standard

Fall 2009 saw, for the first time, large fines and settlements being assessed for violations of mandatory NERC Reliability Standards—the bar has clearly been raised on the enforcement front. At the same time, work continues on developing Critical Infrastructure Protection and revising other standards, potentially making compliance even more difficult to achieve going forward. Has there been variance between regional authorities in handling investigations and citing? What will be the triggers for enforcement going forward? This panel will explore the impact on transmission.

Moderator:

Cristin Lyons, *Partner*, SCOTTMADDEN INC.

Panelists:

Michael Beer, *Vice President, Federal Regulation and Policy*, E. ON US

Patrick Brown, *Manager, NERC and Regional Coordinator*, PJM INTERCONNECTION, LLC

Benjamin Church, *Director, Reliability & Compliance*, NEXTERA ENERGY RESOURCES, LLC

Jason Marshall, *Technical Manager*, MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR



**Cocktail Reception
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Transmission Summit: Thriving Within the Changing Face of Transmission

March 4, 2010



Networking Breakfast
Hosted by:



Welcome and Opening Remarks from the Chair:

Laurie Oppel, *Managing Director,*
NAVIGANT CONSULTING, INC.



Keynote Address – The Tres Amigas Project

Phil Harris, *CEO and Founder,*
TRES AMIGAS, LLC and *Former CEO,*
PJM INTERCONNECTION LLC

Reshaping the Grid to Meet 21st Century Needs

How Integration of Renewables Will Shape the Grid of Tomorrow

Renewable energy has the potential to stress the grid in many ways. What impacts are renewables having on operations, and how might these effects change in the future? How should renewables be incorporated into resource planning? This panel will examine what needs to be done to accommodate renewable energy assets in planning and operations.

Moderator:

Cristin Lyons, *Partner,* SCOTTMADDEN INC.

Panelists:

Will Kaul, *Chair, CAPX2020 and Vice President,*
Transmission, GREAT RIVER ENERGY

John Lawhorn, *Director, Regulatory and Economic*
Studies, MIDWEST INDEPENDENT TRANSMISSION
SYSTEM OPERATOR

Mary Ellen Paravalos, *Vice President, Transmission*
Regulation and Commercial Services, NATIONAL GRID

Kenneth Schisler, *Senior Director, Regulatory Affairs,*
ENERNOC, INC.

Case
Study

Environmentally Responsible Transmission Construction – A Case Study

Jim Palmer, *Director of Marketing, Steel*
Structures Division, THOMAS & BETTS



Morning Networking Break
Hosted by:



New System Capabilities— Impacts on Transmission Operations

Introducing Smart Grid and Other Advanced Technology into Transmission Systems

Much is being made in the media and political circles about the potential for smart grid technology to revolutionize the delivery of energy and energy services. However, much of the investment to date in automating the grid has been in AMI and distribution systems, with relatively little applied to transmission. To what degree has automating transmission been done? What lessons have been learned? What future developments might enable the grid to be more responsive, and better able to handle intermittent power sources, the demands of plug-in hybrids, and increase system reliability?

Moderator:

Laurie Oppel, *Managing Director,*
NAVIGANT CONSULTING, INC

Panelists:

Guido Bartels, *General Manager,*
IBM ENERGY & UTILITIES INDUSTRY and *Chairman,*
GRIDWISE ALLIANCE

Jeff Davis, *Commissioner,*
MISSOURI PUBLIC SERVICE COMMISSION

Miles Keogh, *Director of Grants & Research,*
NATIONAL ASSOCIATION OF REGULATORY UTILITY
COMMISSIONERS (NARUC)

Jack McCall, *Director of Business Development*
Superconductor T&D Systems,
AMERICAN SUPERCONDUCTOR

Dale Osborn, *Transmission Technical Director,*
MIDWEST INDEPENDENT TRANSMISSION
SYSTEM OPERATOR

Transmission Summit: Thriving Within the Changing Face of Transmission Continued



Group Luncheon Hosted by:

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The Changing Face of Transmission Development

Status of Capital & Credit Markets—Impacts on Transmission Project Economics & Feasibility

For much of 2009, credit markets were frozen and capital was difficult to raise for even the highest rated organizations. Both the corporate finance and credit markets are slowly rebounding, but capital availability remains limited and terms have not yet substantially loosened. How will this likely affect the outlook for utility capital investment and the prospects for merchant projects? This panel will examine the state of financial markets and explore strategies to deal with the current market.

Moderator:

Jeffrey Christie, *Partner, Energy and Infrastructure Projects Group*, SKADDEN, ARPS, SLATE, MEAGHER & FLOM LLP

Panelists:

John Caldwell, *Director of Economics*, EDISON ELECTRIC INSTITUTE

John Cogan, *Managing Director, Power & Renewables Investment Banking*, CREDIT SUISSE

Terry Harvill, Ph.D., *Vice President, Energy Policy*, ITC HOLDINGS CORP.

Himanshu Saxena, *Vice President, Energy Investments*, STARWOOD ENERGY GROUP GLOBAL, LLC

David Whitcher, *Executive Director, Investment Banking Division*, MORGAN STANLEY

Case Study PacifiCorp Populus Terminal Project in Utah – Progress, Issues, and Lessons Learned

Jim Dillahunty, *Regional Vice President*, HENKELS & MCCOY, INC.

Case Study Large Project Bid Philosophy vs. Total Installed Cost - Considerations and Lessons Learned

Jim Ruddy, *Vice President, Steel Utility Business*, VALMONT NEWMARK



Afternoon Networking Break

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Transmission Operations Incorporating Demand Response, Intermittent Power, Smart Grid & Energy Storage

Renewable energy and smart grid initiatives are pushing forward. However, these developments have the potential to stress the grid in many ways. What impacts are intermittent power and demand response having on operations, and how might these effects change in the future? How should renewables and demand response be incorporated in planning? How might smart grid and energy storage technologies affect operations? This panel will examine what needs to be incorporated in planning and operations going forward.

Panelists:

Jim Jones, *Vice President and CIO*, GREAT RIVER ENERGY

Brad North, *General Manager, Mid-Atlantic Region*, CONSUMER POWERLINE

Greg Wikler, *Vice President and Senior Research Officer*, GLOBAL ENERGY PARTNERS, LLC



Cocktail Reception
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March 5, 2010

The Changing Face of Transmission Development

Emerging Business Models for Transmission Development—Joint Ventures, Merchant Projects and Regional Cooperation

The need to move power long distances through multiple service territories is fostering a plethora of new business models for transmission development. Utilities are forming cooperative efforts to study how to build regional transmission, merchant projects are competing with traditional rate-based developments, and municipalities have initiated joint ventures to develop and finance transmission to deliver renewable power to their service territories. This panel will explore these efforts.

Moderator:

Paul Kraske, *Partner, Energy and Infrastructure Projects Group*, SKADDEN, ARPS, SLATE, MEAGHER & FLOM LLP

Panelists:

Jolly Hayden, *Vice President - Transmission Development*, NEXTERA ENERGY RESOURCES, LLC
Susan Kelly, *Vice President of Policy Analysis and General Counsel*, AMERICAN PUBLIC POWER ASSOCIATION
Ed Rahill, *President*, ITC GRID DEVELOPMENT
Robert van Beers, *COO*, TONBRIDGE POWER INC.
Lawrence Willick, *Senior Vice President*, LS POWER DEVELOPMENT, LLC

What Have We Learned about Making Transmission Development Happen— Best Practices and Lessons Learned in Siting, Permitting, Project and Construction Management

Numerous large transmission projects have been announced across the nation, many of which have been proposed to bring power from renewable assets to load centers. These case studies will explore the driving factors and motivations for these projects, the issues and barriers they are encountering, partnering opportunities and impediments, likelihood of commercialization and financing, and the lessons learned to date.

Presenters:

Case
Study

Lessons Learned in the TrAIL Project

James Haney, *Vice President, Transmission*, ALLEGHENY POWER

Case
Study

Stakeholder Involvement and Public Communication – From Project Conception through Project Completion

Randy Satterfield,
Vice President of Public Affairs,
AMERICAN TRANSMISSION COMPANY

Case
Study

Illinois: The New Energy Crossroads of the Nation

John Stough, *Vice President and Chief
Development Officer*,
EXELON TRANSMISSION COMPANY

Case
Study

Steps Forward for EHV Transmission Development in SPP

Evan Wilcox, P.E., *Manager, Transmission
Business Development*,
AMERICAN ELECTRIC POWER

Case
Study

Successfully Navigating a Multi-State Transmission Regulatory Process

Priti Patel, *Director, Regional Transmission
Development*, XCEL ENERGY and
Co-Executive Director, CAPX2020

Registration Form

Transmission Summit 2010

March 3-5, 2010 | Almas Temple Club | Washington, DC

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The event will be held at the Almas Temple, which is located at 1315 K Street, Washington, DC, 20005.

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1201 K St NW, Washington, DC (0.13 miles away)
202-289-7600

Hilton Garden Inn

815 14th St NW, Washington, DC (0.14 miles away)
202-783-7800

Sofitel Hotel Lafayette Square

806 15th St NW, Washington, DC (0.21 miles away)
202-730-8800

Washington Plaza Hotel

10 Thomas Cir NW, Washington, DC (0.22 miles away)
202-842-1300

Wyndham-Washington DC

1400 M St NW, Washington, DC (0.24 miles away)
202-429-1700

Marriott At Metro Ctr

775 12th St NW, Washington, DC (0.27 miles away)
202-737-2200

St. Regis Washington DC

923 16th St NW, Washington, DC (0.31 miles away)
202-638-2626

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The Almas Temple Club

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Washington, DC 20005**

Phone: (202) 898-1688

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