



Freshwater Wind 2011

2nd Annual Conference on Advancing Offshore Wind Development in the Great Lakes
July 18-20, 2011—Detroit, MI

Summit Agenda

DAY 1: Monday, July 18, 2010

- 7:00 – 8:00 am Networking Breakfast & Registration
- 8:00 – 8:15 am Welcoming Remarks by Chair
Mary Ann Christopher, *Partner*, MICHAEL BEST & FRIEDRICH, LLP
- 8:15 – 8:45 am **Keynote Address**
Status and Outlook for North American Offshore Wind Projects
The offshore wind industry is maturing rapidly—the siting and permitting process is being streamlined, state-level support is solidifying and leading projects are on the cusp of obtaining commercial financing. This presentation will provide an overview of North American offshore wind projects, and how legislative, regulatory and administration actions are likely to affect project developments.
- Jim Lanard**, *President*, OFFSHORE WIND DEVELOPMENT CORPORATION
- 8:45 – 9:15am **Entrepreneurship: Driving the Green Economy**
- Presenter:*
Mark H. Clevey, *Manager, Consumer Education & Renewable Energy Programs, Michigan Energy Office*, MICHIGAN ECONOMIC DEVELOPMENT CORPORATION

Session I: The New Political Landscape
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- 9:15 – 9:55 am **Panel Discussion: The Canadian Situation**
This panel will discuss the decision to further study offshore wind projects in waters off the province of Ontario, and the potential long-term impacts on development of renewable energy in Canada.
- Moderator:*
Mary Ann Christopher, *Partner*, MICHAEL BEST & FRIEDRICH, LLP
- Panelists:*
Hari Balaraman, *Associate*, GOWLING LAFLEUR HENDERSON LLP
John Kourtoff, *President & CEO*, TRILLIUM WIND POWER CORPORATION
- 9:55 – 10:20 am Networking Break
- 10:20 – 11:10 am **Panel Discussion: After the 2010 Elections—Impacts on Energy Policies and the Role of Freshwater Wind in Economic Development in the Great Lakes Region**
The 2010 elections resulted in changes in both the governors' offices and the make up of state legislatures throughout the Great Lakes region. How will this affect Economic Development initiatives and incentives? This panel will explore how these changes may affect freshwater wind.
- Moderator:*
Mary Ann Christopher, *Partner*, MICHAEL BEST & FRIEDRICH, LLP
- Panelists:*
Liesl Eichler Clark, *Principal*, 5 LAKES ENERGY, LLC and *Former Deputy Director*, MICHIGAN DEPARTMENT OF ENERGY, LABOR AND ECONOMIC GROWTH
David A. Griggs, *Business Development Director*, BUFFALO NIAGARA ENTERPRISE
Richard T. Stuebi, *President*, COALITION FOR GREAT LAKES OFFSHORE WIND

Session II: Meeting the Technological Challenges of Freshwater Wind

- 11:10 – Noon **Presentations: Opportunities for CAPEX Reduction**
This presentation will discuss ways to reduce the costs associated with foundations and staging ports, which often represent 40-50% of the total CAPEX of an offshore wind farm.

Julien Bouget, *Lead Engineer, Product Assurance*, PMSS AMERICA, INC.

Ron Heffron, *Vice President, Energy Practice Leader*, MOFFATT & NICHOL

Noon – 1:20 pm Group Luncheon

1:20 – 2:20 pm **Panel Discussion: Equipment Manufacturers’ Perspectives**
This panel of turbine, foundation, and vessel manufacturers will discuss technology solutions that fit the unique environmental conditions of the Great Lakes region. Business opportunities for manufacturers will be reviewed.

Moderator:

John Wilson, *Partner*, MICHAEL BEST & FRIEDRICH, LLP

Panelists:

Sunny Gupta, *Business Development Manager, North America*, VESTAS OFFSHORE

Lars Humlebaek, SIEMENS ENERGY INC

Larry Viterna, *President & CEO*, NAUTICA WINDPOWER, LLC

Session III: Reducing the Time and Costs of Siting and Permitting

2:20 – 3:20 pm **Panel Discussion: Progress in Assessing the Environmental Impact of Offshore Wind Development in the Great Lakes**
This panel will discuss the site assessment studies regarding fish, coastal habitats, birds, bats, and endangered migratory species. It will review current studies underway and differences in provincial and state guidelines throughout the region.

Moderator:

Hari Balaraman, *Associate*, GOWLING LAFLEUR HENDERSON LLP

Panelists:

John Kourtoff, *President & CEO*, TRILLIUM WIND POWER CORPORATION

Joelle Gehring, *Senior Conservation Scientist, Michigan Natural Features Inventory*, MICHIGAN STATE UNIVERSITY EXTENSION

Emily Green, *Director, Great Lakes Program & National Offshore Wind Coordinator*, Sierra Club

Michael Kujawa, *Principal*, GEMINI RENEWABLE ENERGIES AND TECHNOLOGIES (*invited*)

3:20 – 3:50 pm Networking Break

3:50 – 4:50 pm

Panel Discussion: Siting and Permitting in the Great Lakes Region

This panel will discuss the unique aspects of maneuvering through non-aligned siting, permitting & leasing frameworks across multiple jurisdictional entities throughout the Great Lakes region.

- What are the state permitting processes?
- Regional siting standards: Should there be? Can there be? What would they be?
- Common permitting methodologies and other cost-cutting, time-saving ideas

Moderator:

Mary Ann Christopher, *Partner*, MICHAEL BEST & FRIEDRICH, LLP

Panelists:

Ellen J. Crivella, *Project Manager, Environmental and Permitting Services*, GL GARRAD HASSAN

Michael Ernst, *Director of Regulatory Affairs*, TETRA TECH EC, INC.

Michael Klepinger, *Staff Director*, MICHIGAN GREAT LAKES WIND COUNCIL

Gina Nathan, *Project Manager*, U.S. ARMY CORPS OF ENGINEERS

SUMMIT RECEPTION: Hosted by Michael Best & Friedrich LLP will be held in the Great Room of the Double Tree (after the last session)

DAY 2: Tuesday, July 19, 2010

7:00 – 8:00 am Networking Breakfast

8:00 – 8:05 am Welcoming Remarks by Chair:
Mary Ann Christopher, *Partner*, MICHAEL BEST & FRIEDRICH, LLP

Session IV: Integrating Offshore Wind into the Grid

8:05 – 8:45 am Opening Address: **Updates from the US Department of Energy**

Allan R. Hoffman, *Senior Analyst, Office of Energy Efficiency and Renewable Energy*, US DEPARTMENT OF ENERGY

8:45 – 9:45 am **Panel Discussion: Utility and Regulator Perspectives on Freshwater Wind**

This panel will discuss the integration of freshwater wind projects, including transmission interconnection and access to energy markets.

- Which parties should bear the burden of interconnection costs?
- Should FIT/PPA costs be carved out as in the EU?
- 20 year REC Commitment, state support, and REC Multiplier

Moderator:

John Wilson, *Partner*, MICHAEL BEST & FRIEDRICH, LLP

Panelists:

T. Blair Renfro, *Administrative Law Specialist*, MICHIGAN PUBLIC SERVICE COMMISSION

Kerry Stroup, *Manager, Regulatory/Legislative Affairs*, PJM INTERCONNECTION

Matt Wagner, *Manager, Wind Development*, DTE ENERGY

9:45 – 10:15 am Networking Break

Session V: Establishing the Infrastructure and Supply Chain for Freshwater Wind Projects
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10:15 – 11:00 am **Presentation: Meeting the Port and Staging Requirements for Freshwater Wind in the Great Lakes**

This discussion will delve into the expenditures required to refurbish and retool existing staging areas to meet the demands of freshwater wind development.

- What will it require to bring ancillary construction and O&M services into readiness at nearby ports?
- Will adopting a regional approach prove to be a successful cost reduction strategy?
- Is there adequate lakeside real estate and manufacturing capacity large enough and available for offshore wind endeavors?
- The European experience

Presenter:

Joe Marrone, *Project Director*, OCEAN AND COASTAL CONSULTANTS, A COWI COMPANY

11:00 – 12:15 pm

Panel Discussion: Solving Vessel Design and Construction Problems in the Great Lakes

The Great Lakes poses unique challenges for service vessel design. This panel will discuss the transportation and design requirements and subsequent incremental costs associated with new construction and O&M vessels needed to successfully navigate the restrictive locks and shallow waters found in this region.

Moderator:

John Wilson, *Partner*, MICHAEL BEST & FRIEDRICH, LLP

Panelists:

Joel Constantino, *VP, Director of Operations*, NEW ENGLAND STEAMSHIP AGENTS, INC.

Tim Downey, *International Trade Specialist*, SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION

Robert J. Zadkovich, *Vice President, Business Development*, THE GREAT LAKES TOWING COMPANY

12:15 – 1:45 pm

Group Luncheon

1:45 – 2:30 pm

Presentations: Labor Supply and Support for Great Lakes Wind

This panel will discuss the potential impacts of freshwater wind development on the highly skilled labor pool that already abounds in the Great Lakes Region. What are their unique challenges in the initial construction of offshore wind farms, and what types of support can they bring to projects? What impacts will ongoing operations and maintenance needs have on the local labor market?

Individual Presentations:

Tomi Hulkkonen, *Local Coordinator*, CARPENTERS DISTRICT COUNCIL OF ONTARIO, LOCAL 494

John Kourtoff, *President & CEO*, TRILLIUM WIND POWER CORPORATION

2:30 – 3:00 pm Networking Break

Session VI: Overcoming the Development and Financing Hurdles
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3:00 – 4:00 pm

Panel Discussion: Developers' Perspectives

This panel will discuss the economic benefits of sharing the burden of moving through R&D, demonstration and deployment of offshore wind farms alongside public entities.

- The economics of demonstration projects
 - Alpha Ventas demonstration project in North Sea
 - Fino Wind Research Station
 - Social acceptance
- Dealing with O&M and site access year-round
- Dealing with construction and logistical issues when building your project
- Joint submarine transmission lines & Supergrid

Moderator:

John Wilson, *Partner*, MICHAEL BEST & FRIEDRICH, LLP

Panelists:

Steve Dever, *Director*, LEEDCo

Leslie Garrison, *Great Lakes Regional Manager*,
NRG BLUEWATER WIND

Timothy M. Ryan, *President*, APEX OFFSHORE WIND, LLC

Chris Wissemann, *Managing Director*, *Freshwater Wind*, GREAT LAKES
WIND ENERGY

4:00 – 5:00 pm

Panel Discussion: Financing: What are the Options?

The bankability of freshwater wind farms is said to be more favorable than marine-based endeavors. This panel will discuss why this may be true and offer various financing structures available for freshwater wind projects.

- Cost considerations in obtaining financing: offshore wind vs. land-based wind vs. other renewables
- Obtaining development vs. construction financing
- Finance and funding entities' thresholds for onsite data collection and creative site assessment programs

- Lenders perspective on bankability
- Insurance cost considerations

Moderator:

Mary Ann Christopher, *Partner*, MICHAEL BEST & FRIEDRICH, LLP

Panelists:

Daniel Brown, *Vice President, Utility, Power, and Renewable Energy*,
KEYBANC CAPITAL MARKETS

Andrew Chant, *Managing Director, Renewable Energy*, ORTECH

Jeff Kehne, *Partner*, HILL & KEHNE, LLC

5:00 pm

Summit Adjourns