

# AWEA Wind Project Operations, Maintenance & Reliability Seminar

January 10 – 11, 2012 ▶ San Diego, CA



## Increase the Economic Viability of Your Wind Energy Projects

Wind installations expanded 15% in 2011, increasing the demand for high quality and efficient operation and maintenance of turbines. Attend this seminar to learn about and influence industry-proven O&M best practices and optimal processes for maintaining turbine components to enhance wind turbine performance and to maximize project profitability. Discuss the importance of maintaining all parts of a wind plant - mechanical, structural, electrical, controls - to ensure high availability and maximum electricity production. Interact with the wind energy industry's leading owners, operators, turbine manufacturers, and specialists from national laboratories. Leave the AWEA Wind Project Operations, Maintenance & Reliability Seminar with solid plans and strategies on how best to manage wind projects' assets to maximize the bottom line.

### Attend this Seminar to:

- ▶ Hear directly from owners and operators how to maximize productivity and minimize costs
- ▶ Develop an understanding of OSHA's requirements for safety in the wind industry
- ▶ Learn the importance of proactive condition monitoring of key operating parameters for timely maintenance to minimize major repairs
- ▶ Capture breaking information on documented industry-wide availability data
- ▶ Receive newly-released recommended practices for maintaining major turbine components and efficient operations
- ▶ Attend the AWEA Operations and Maintenance Working Group meeting to further develop O&M recommended practices

### New program, more networking, greater opportunities:

- ▶ Peer-led educational programming
- ▶ Case studies and lessons learned
- ▶ Over 7 hours devoted to networking!
- ▶ Connect with your peers, meet new people and share your experiences
- ▶ Special networking luncheon on January 10 with attendees of the co-located AWEA Wind Environmental Health & Safety Seminar

## Special Offer!

Register at the member or non-member rate for the **AWEA Wind Project Operations, Maintenance & Reliability Seminar**, and receive a discount code for **25% off** the registration fee for the co-located **AWEA Wind Environmental Health & Safety Seminar** taking place January 9 – 10.

### Who Should Attend?

- ▶ Resource allocation and management professionals
- ▶ Finance professionals
- ▶ Project managers
- ▶ Inspection specialists
- ▶ Operators
- ▶ Maintenance and repair professionals
- ▶ Supervisors
- ▶ Consultants

### AND, if you are, or want to be, active in the

- ▶ AWEA Health & Safety Committee
- ▶ AWEA Operations and Maintenance (O&M) Working Group

**you MUST attend this event!**

**87%** of 2011 Seminar Attendees would consider attending again

**88%** of 2011 Seminar Attendees said the seminar met their expectations

# Exceptional Educational Programming

**This year's comprehensive educational program is the best informational resource on the latest wind project operations, maintenance, and reliability related topics. The superior line-up of speakers brings attendees the leading perspectives on the latest issues.**

**Program Chair** | **Marty Crotty**, Board Member, Catch the Wind

The complete listing of sessions can be found on the website at [www.AWEAOandM.org](http://www.AWEAOandM.org)

---

## Joint Session

Kick-off your learning experience by joining attendees of the AWEA Wind Environmental Health & Safety Seminar at this special joint session. Learn directly from OSHA representatives about the impact of occupational safety and health programs, regulations, and best practices within the wind industry. Hear a summary from AWEA staff experts on 2011 wind installations, the increased demand for O&M services in the industry and the need for long term policies to support it. Lastly, receive an update on the O&M Recommended Practices and other programs in the AWEA Operations and Maintenance Working Group.

---

## End of the Warranty

Discuss challenges and next-steps facing project owners as end-of-warranty provided by turbine manufacturers approaches. Learn strategies for determining the current state of a turbine's components, developing new O&M capabilities, and establishing a supply chain for replacement fluids and components.

---

## National Availability and Reliability Survey Indices

Help develop a national benchmark against which individual project owners may gauge their performance. Break-down how component and project reliability play crucial roles in the financial and technical success of a project, and contribute and compare the availability of your project directly with the national norm.

---

## Condition Monitoring and Data Analysis

Examine challenges in processing the vast amount of data accumulated from sensors on many turbine components. Learn how component service and replacement schedules can become more efficient by tracking individual components, and how to interpret trends and replacement schedules for individual components.

---

## Balance of Plant

Learn how you can maximize the performance of a project by increasing the reliability of the electric power supply and collection system, substations, electronic communication system, road and access infrastructure, and more. Gain from the experience of your peers as they share best practices for properly installing and regularly maintaining the "balance of plant" system.

---

## Generator Best Practices

Generators perform the crucial function of converting mechanical (rotational) energy into electricity. Wind turbine generators have the added challenge of performing that function under widely varying local conditions and in extremely harsh environments. Maintaining peak generator efficiency includes both electrical and mechanical maintenance procedures.

---

## Gearbox Best Practices

Get the latest on how to keep your gearboxes operating at peak efficiency, and learn strategies to increase gearbox lifespan.

---

## Blades/Rotor/Hub Best Practices

Learn strategies for maintaining the increasingly complex and sophisticated wind turbine rotor systems, including blade surfaces, control systems, pitch mechanisms. Gain from the experience of industry experts as they discuss effective monitoring and maintenance procedures required by these systems.

---

## Owner-Operator Panel: Getting the Most Out of a Project

Join in for this special session and pick the brains of our seasoned owner-operator panelists. Attendees will be polled at the beginning of the conference to direct presentation topics; presentations will be followed by panel discussion and Q&A.

*Program schedule and topics may change without notice. Find the most current program agenda information at: [www.AWEAOandM.org](http://www.AWEAOandM.org).*

---

## Dedicated & Reliable Legislative Support

AWEA events offer a forum for sharing and examining the latest legislative and regulatory updates, ultimately ensuring the progress of wind energy. No other organization is uniquely dedicated to, or does more to support, the wind industry from a legislative and regulatory standpoint. Working in conjunction with members of Congress, state legislators, federal agencies, utility regulators, the media, and others, AWEA increases the presence of wind power in the U.S., delivers official and timely updates, and ensures that wind energy interests are addressed in relevant legislation and regulatory processes. Only AWEA employs an experienced policy team that utilizes a variety of grassroots programs, including WindPAC, AWEA's political action committee, to support the entire wind energy industry.

Register Online! [www.AWEAOandM.org](http://www.AWEAOandM.org)

For the Greatest Savings  
Register by **November 23rd!**



## Location & Accommodations

**Hilton San Diego Bayfront**  
1 Park Boulevard  
San Diego, CA 92101

Rising 30-stories above the edge of San Diego Bay the Hilton San Diego Bayfront hotel is downtown San Diego's newest waterfront hotel. Fusing a dynamic waterfront location, sun and sea-inspired design and casually sophisticated vibe, this San Diego, CA hotel offers an immersion into the essence of the city's unique coastal culture and lifestyle.

## Seminar Registration

Registration Type	Early Bird Discount by Nov. 23	Regular Price by Jan. 6	Onsite Price after Jan. 6
AWEA Business Member*	\$495	\$550	\$600
AWEA Advocate OR Non-Member	\$595	\$650	\$700
Government Agency	\$300	\$350	\$400
Full-Time Student/Faculty or Non-Profit**	\$225	\$275	\$325
Speaker/Moderator	\$150	\$150	\$150

\*If you are unsure of your AWEA membership status, contact [membership@awea.org](mailto:membership@awea.org) or 202.383.2518.

\*\* Non-Profit registrations require pre-approval by AWEA. Contact [conference@awea.org](mailto:conference@awea.org) for details.

**Special offer:** Register for the AWEA Wind Project Operations, Maintenance & Reliability Seminar at the member or non-member rate and receive a discount code for 25% off the registration fee for the co-located AWEA Wind Environmental Health & Safety Seminar taking place January 9 – 10.

**Seminar registration includes:** A special networking lunch on January 10 with attendees of the AWEA Wind Environmental Health & Safety Seminar, a networking reception on the evening of January 10, continental breakfast on the 11th, access to the speaker presentations, plus invaluable education from experts in the wind energy community and critical networking opportunities.

**Discounted registration rates end November 23, 2011.** After 3:00pm ET on January 6, 2012 you may no longer register by mail or fax. After this date, you must register on-site at the hotel.

**Competitive Pricing:** With AWEA events, you get the most comprehensive program at the best price. As the U.S. wind industry's official trade association, AWEA keeps event costs reasonable so that you can get the most information at the least expense to you and your company.

**Networking:** Bring a full box of business cards to the AWEA Wind Operations, Maintenance & Reliability Seminar because there's no better place to network and expand your business contacts than AWEA events.

**Exhibiting and Sponsoring:** The AWEA Wind Project Operations, Maintenance & Reliability Seminar is the premier wind industry operations and maintenance (O&M) event in North America. AWEA has hosted the event annually since 2006 (formerly known as Asset Management and Project Performance and Reliability), and it is always well attended by OEMs, O&M organizations, project owners, and project operators. There is no better place to gain exposure for your company and capture the interest of this niche audience. You must be an AWEA Business Member to exhibit; if you are not a member and want to learn more about AWEA membership, visit [www.awea.org/MemberCenter](http://www.awea.org/MemberCenter). To reserve a booth, contact [exhibition@awea.org](mailto:exhibition@awea.org).

### AWEA Rate

**\$199.00** (single occupancy)  
**\$219.00** (double occupancy)  
Plus applicable taxes

### For Reservations

**1-800-445-8667** (indicate you are with the American Wind Energy Association) or visit the event website [www.AWEAOandM.org](http://www.AWEAOandM.org) to reserve online.

A limited number of discounted rooms have been arranged for seminar attendees. The discounted rate will be available while group rooms remain until January 2, 2012. Once the discounted rooms are sold out or after January 2 (whichever comes first), the hotel may continue to accept reservations at the discounted rate on a space-available basis; however, they could be at a higher prevailing room rate.

**AWEA reinvests profits from its events directly into the wind energy industry, unlike competing events that take profits out of the industry and put them into private company hands. With AWEA events, your dollars are used to promote federal and state wind energy policies, to support and grow your business, and advance the wind industry as a whole.**

