



# 2006 Wind Turbine Reliability Workshop

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## UWIG Wind Turbine O&M User Group

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## What is UWIG?

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- ◆ Non-profit corporation established by 6 utilities in 1989 with support from EPRI and DOE/NREL
- ◆ Current membership totals 95, including Associate Members from wind development, equipment, and consulting community
- ◆ Focus on technical issues
- ◆ Mission: To accelerate the appropriate integration of wind power into the electric system

## Evolution of the User Groups

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- ◆ Recognition of the need for UWIG to take more proactive role in addressing the ongoing technical challenges related to wind generation for the utility industry
- ◆ Outgrowth of the favorable response to the leadership provided through UWIG funded research projects
- ◆ Response to need for analysis, sharing and dissemination of information targeted to utility audience

# Wind Turbine Operations and Maintenance User Group Scope

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- ◆ Exchange experiences and explore issues related to wind turbine operation and maintenance
  - O&M of wind turbine and other plant components
  - Warranty and service contracts
  - Liability
  - Plant technician training
  - Condition monitoring and predictive maintenance
- ◆ Key activity is peer-to-peer information exchange, with focus on best practices

# User Group Objectives

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- ◆ Provide a forum for participants to exchange information on the most relevant issues to wind turbine owner-operators.
- ◆ Address operating, maintenance, and management issues specific to wind turbines and other components produced by the major manufacturers.
- ◆ Identify R&D and/or application studies to address specific issues that could be conducted by EPRI and NREL in collaboration with UWIG.

## Potential User Group Topics

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- ◆ O&M of turbines and other plant components
- ◆ Issues specific to a given manufacturer
- ◆ Plant technician training
- ◆ Condition monitoring & predictive maintenance
- ◆ Operational issues

## User Group Tool: The Wind Plant Knowledge Base

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- ◆ Google Mini selected
  - Full text search
  - 220 compatible file formats
  - One-time cost of \$2k for up to 50,000 searchable documents
  - Minimal custom web site development to create template to upload searchable documents
  - No dedicated administrator required
  - Expandable
  - Familiar

### O&M Report Form

Report Title

Submitted by

Turbine Vendor  Model

Production Date  InService Date

System  Component

Report Summary (optional)

Keywords

Attach files



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