

How Does Your EHS Program Measure Up? What Is the Role of the Owner Operators?

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Future of the Wind Industry

What Are Our Challenges?

- How many of you feel that your biggest competition is other energy generation sources?
- How many of you believe that to be successful the wind industry has to be one of the safest industries?
- How many of you feel that the only way we can compete is by working together?



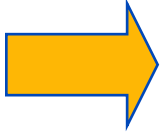
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How Can We Successfully Put This All Together?

- **Unify the Wind Industry Owner/Operators**
- **Work with OEMs, Third Party Contractors, Electrical contractors and others through AWEA**
- **Work on turbine design safety , best practices and establish standards**



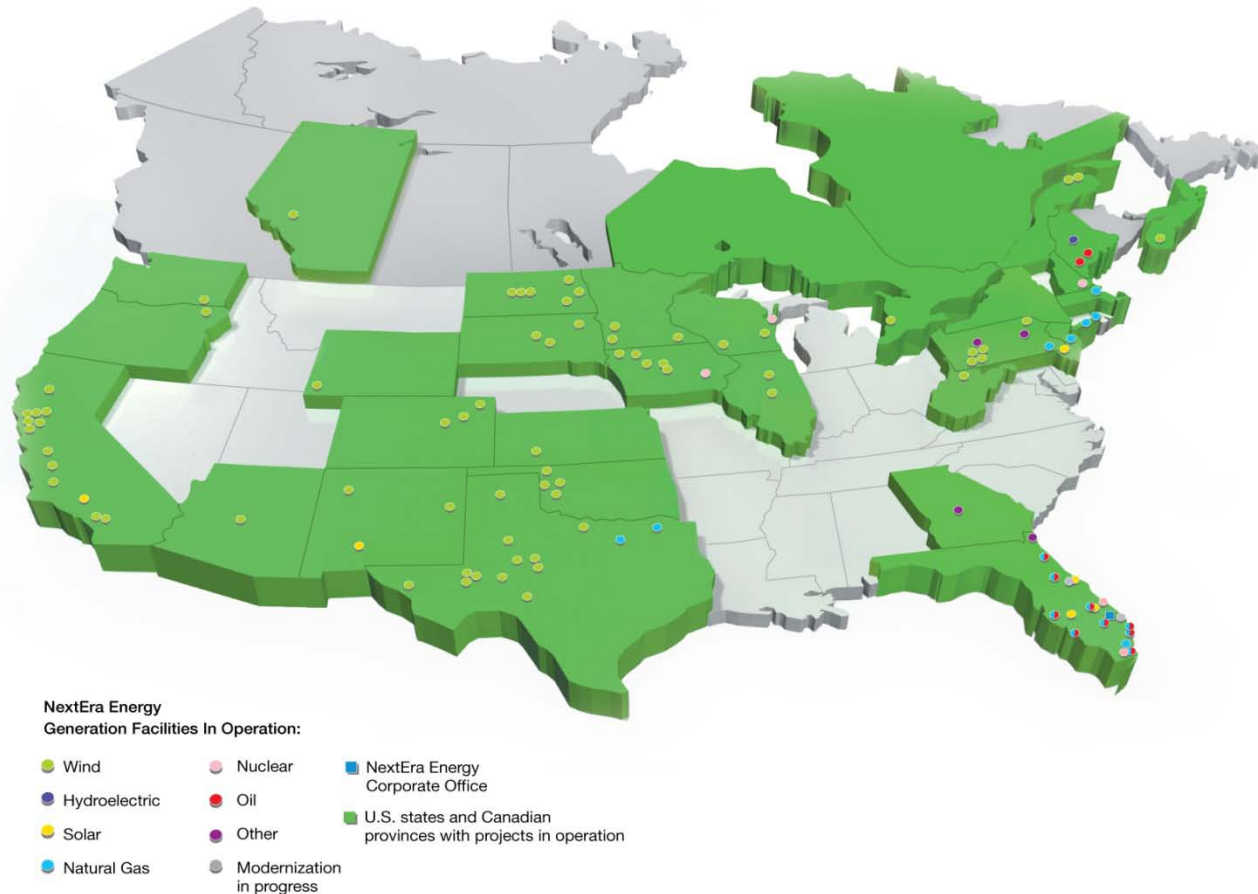
Agenda



- **Who is NextEra Energy?**
- **What are we doing now in EHS?**
- **Shared Wind Industry Vision for a Safer Future**
 - Our thoughts on EHS support of the wind industry.
 - How we plan to do to fulfilling our role as large-scale owner operator, to ethically and positively influence our industry.

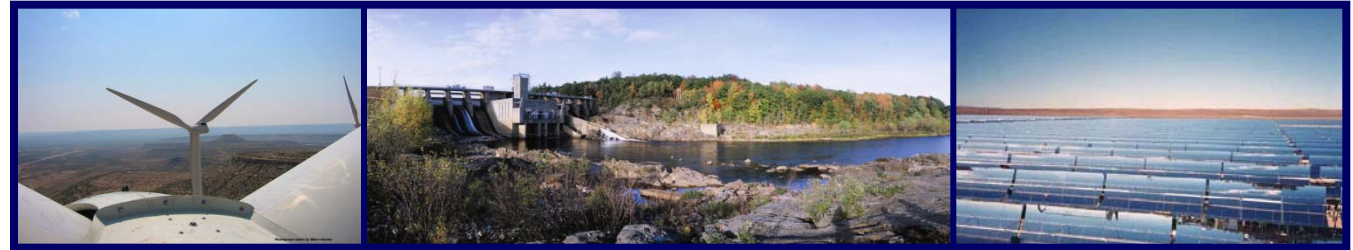


NextEra Energy is a leading clean-energy company with more than 41,000 megawatts (MW) of generating capacity in 24 states and Canada



The Largest Generator in the U.S. of renewable energy from wind and solar

For the sixth consecutive year, NextEra Energy, Inc. is ranked No. 1 on Fortune's "Most Admired Companies" among gas and electric utilities



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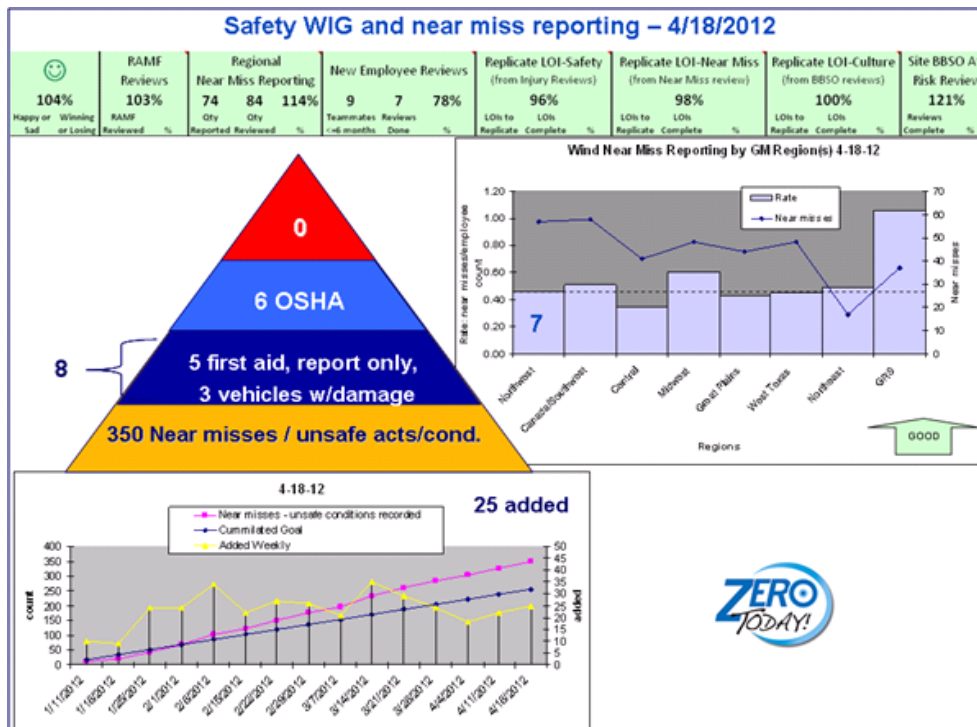
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- We have recently hired a recognized wind industry safety professional to lead our strategic partnerships and initiatives with AWEA, OSHA and other large-scale owner operators.
- We have a safety Wildly Important Goal (WIG) that focuses on lead measures and is reviewed weekly to maintain a rhythm of review.

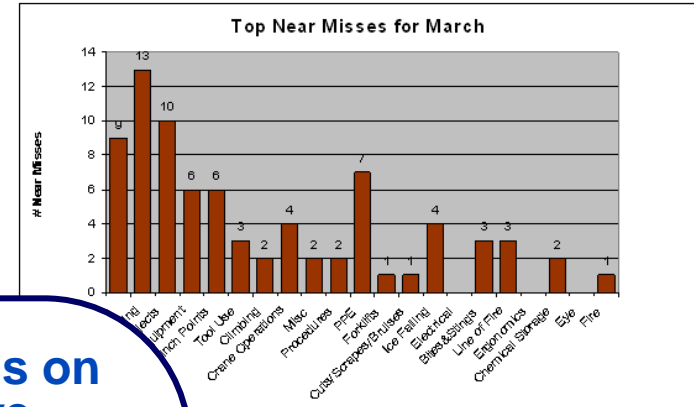


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What Are We Doing Now: Following the Challenges

Taking Action: Anonymous Near-Miss Reports (350 submitted as of 4/18/12)

1. Slips & Trips
2. Driving
3. Falling/Dropped Objects
4. Failed Equipment/Tooling
5. Pinch Points



Emphasis is on
proactive
countermeasures
and replicating
best practices!

To: Southern Energy Network
From: Wind Star Site Team

PG&E Safety Bulletin

03/29/2012

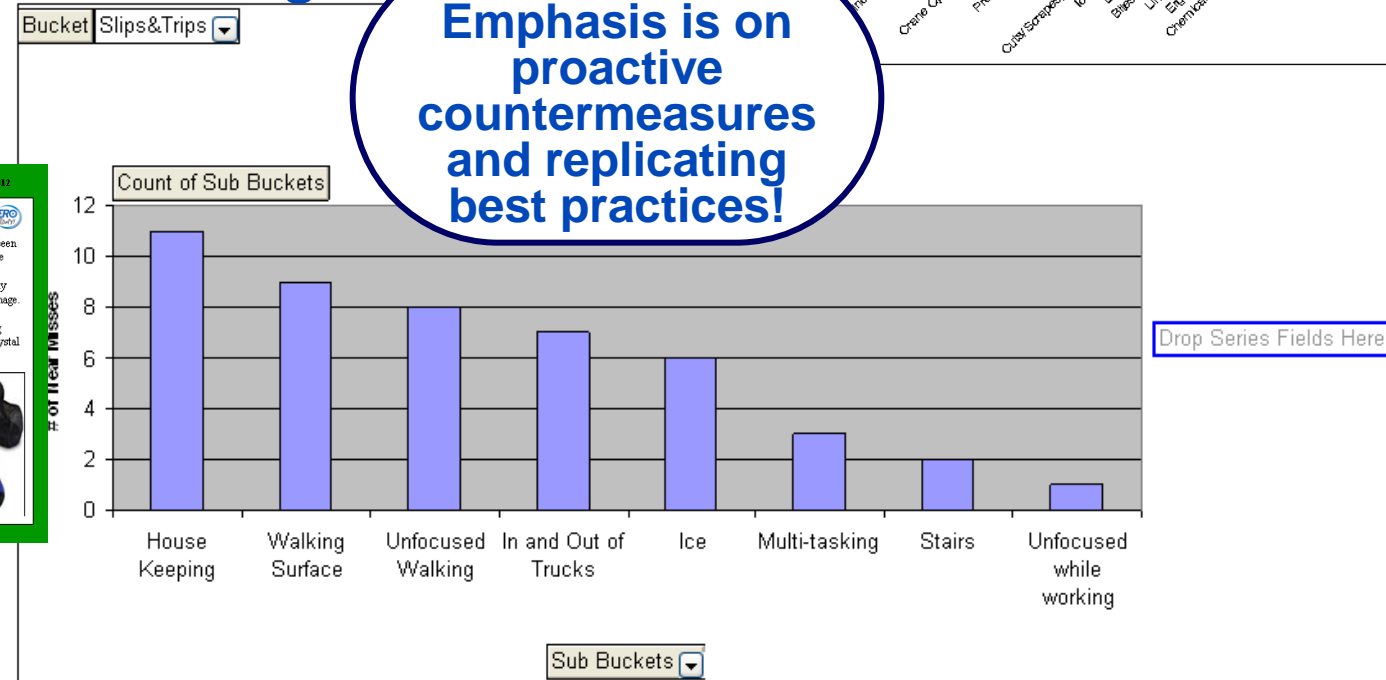
Wind - Vehicle Recovery System

What is this Best Practice: A Vehicle Recovery System, procedure, and check sheet has been approved to safely self-perform **Crew Leader** truck recovery as a result from a near miss while attempting to remove an immobilized crew truck. (See Associated Yellow Edge Bulletin)

What are the Benefits: A standardized procedure, checksheet, and approved tooling to safely pull out an immobilized vehicle and minimize the risk of injury to personnel or equipment damage.

Additional Information: LOI 2012-01 R0 is replicated and currently located in Work Management/Work Orders for site execution. Please review Work Management for purchasing details. Operations buildings that host multiple sites only need to purchase a single kit. (i.e. Crystal Lake)

Green Edge Safety Bulletin



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What Are We Doing Now -- Ergonomics

- **2012 Wind Safety Ergonomics Initiative:**
- **Assessment**
- **40% of the injuries in Wind between 2007-2011 were sprains and strains**
- **We Took Action: In 2011 we performed an ergonomics study at our wind sites**
- **Findings: Identified ergonomic (body) risk factors specific to wind operations**



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What Are We Doing Now -- Improving the Ergonomics

Safety Improvement Plan

- Stage 1: Wind Safety Ergonomics Training (4 hour classroom course)
- Stage 2: Technology/Task-Specific Countermeasures
- Stage 3: Long-Term Sustained Focus



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What Are We Doing Now -- Protecting the Environment

- Recognized environmental leadership
- Environmental assessments determine site suitability
- Land & wildlife respected & protected during construction & operations
- Land restored after construction



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What Are We Doing Now – Environmental Actions

Environmental Management System:

- Compliance with Federal, State / Provincial & Local Regulations
- Event Response & Analysis
- Permitting & Permit Renewal
- Auditing
- Issue Management
- Due Diligence

Environmental Tactical Team:

- Bi-weekly Tactical Team Calls
- Monthly Fleet Conference Calls
- Replication & Standardization



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Shared Wind Industry Vision for a Safer Future

Working Together

- We have been working internally to make improvements to our programs, process, and organization.
- Getting more involved in the industry:
 - EEI, EPRI, NFPA, etc.
 - Improve our sharing
 - Committed dedicated new employee to the initiative
- Working with OSHA and other regulators.



Shared Wind Industry Vision for a Safer Future

Working Together



- How do we share more and help others to improve safe operations?
- How do we gather and understand the wind safety record?
- How do we identify the most critical issues in the industry; and how do we fix them?
- How do we share and communicate major events that are occurring that could affect the whole industry?

Shared Wind Industry Vision for a Safer Future

Joining with Others to Provide Leadership to the Industry

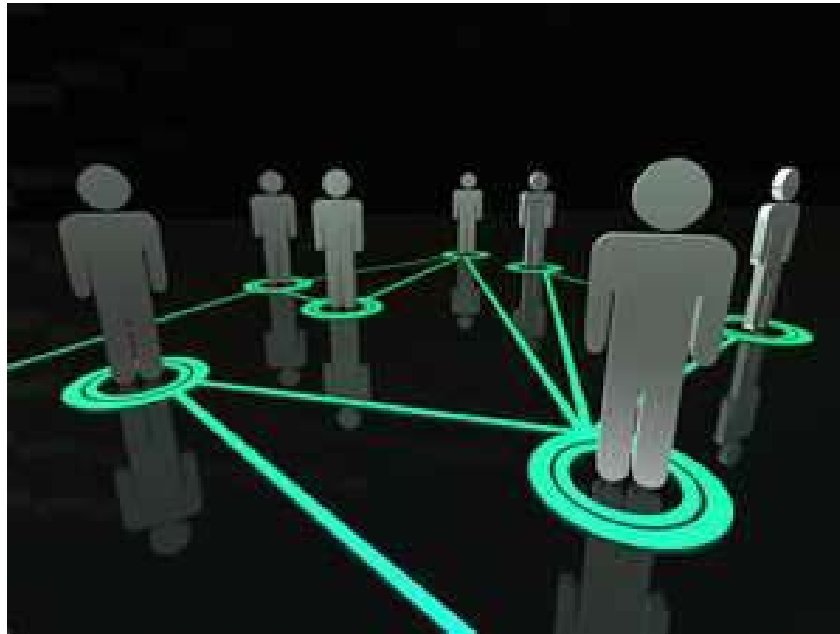


- **Work together for a common cause**
- **Working to be build a positive relationship with OSHA**
- **Organize owner operators**
 - We have already started the process
 - We will start with a small group
 - Small group but with large ownership

Shared Wind Industry Vision for a Safer Future

Working Together

- Working to share safety knowledge
- Work to improve the safety of our team mates in the wind industry
- Work to make the wind industry the safest industry in the world



A photograph of a wind farm at sunset. The sun is low on the horizon, creating a warm orange glow. Several wind turbines are silhouetted against the sky. The sky is filled with clouds, some of which are illuminated by the setting sun. The overall mood is peaceful and serene.

Thank you for your time and attention