

Office of ENERGY EFFICIENCY & RENEWABLE ENERGY

Communications & Operations

2019 Wind Program Peer Review

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May 1, 2019



Operations

Operations is the central group for all organizational products and services, processes, and systems, including:

- Workforce Management and Organization
- Communications and Engagement
- Information Technology Services
- Project Management Coordination
- Budget Planning, Formulation, and Implementation

Communications | Engagement

WETO promotes interaction, coordination, and cooperation with key external stakeholders through direct dialogue and by producing high-level events, summits, and executive roundtables

- Collaboration with industry and NGOs:
 - Wind Industry Partnership Summit
 - Offshore Wind Executive Summit
 - Creating Pathways to Success for Supersized Wind Turbine Blades
 - Drivetrain Reliability Collaborative
 - 2017 Wind Vision Roadmap Update engaged nearly 100 stakeholders
 - Regular meetings with AWEA, DWEA, EPRI, conference organizers, etc.
- Interagency
 - MOUs on radar and offshore wind for collaboration with Dept. of Defense, Federal Aviation Administration, National Oceanic and Atmospheric Administration, Homeland Security, and Bureau of Ocean Energy Management
 - Work closely with NOAA on wind forecasting
- International
 - Participate in 14 International Energy Agency research tasks, two of which we lead (environmental impact mitigation and offshore codes)
 - International presentations on research e.g. grid integration

Communications | Information Dissemination

WETO provides high-quality, impactful, objective communications products and information services to the right people at the right time—informing them of the work WETO does and demonstrating its impact

- Press releases, progress alerts, blogs, success stories—50-60 news items/year
- Breaking News email list-serve (~1/mo.)—16,995 subscribers in FY17, 26,196 in FY18
- Wind R&D Newsletter (biannual)–35,593 subscribers in FY17, 38,813 in FY18
- Social media—Twitter, Facebook, Instagram, LinkedIn
- Website–Over 1 million sessions in FY17, up 16% from FY16
- Media pitching and interviews—DOE and lab staff are widely respected and viewed as experts by the media, frequently asked to comment on industry trends, etc.
- Publications, factsheets
- Events
- Internal communications—timely response to inquiries from DOE and EERE management, Congress, etc.

Communications | Project Results

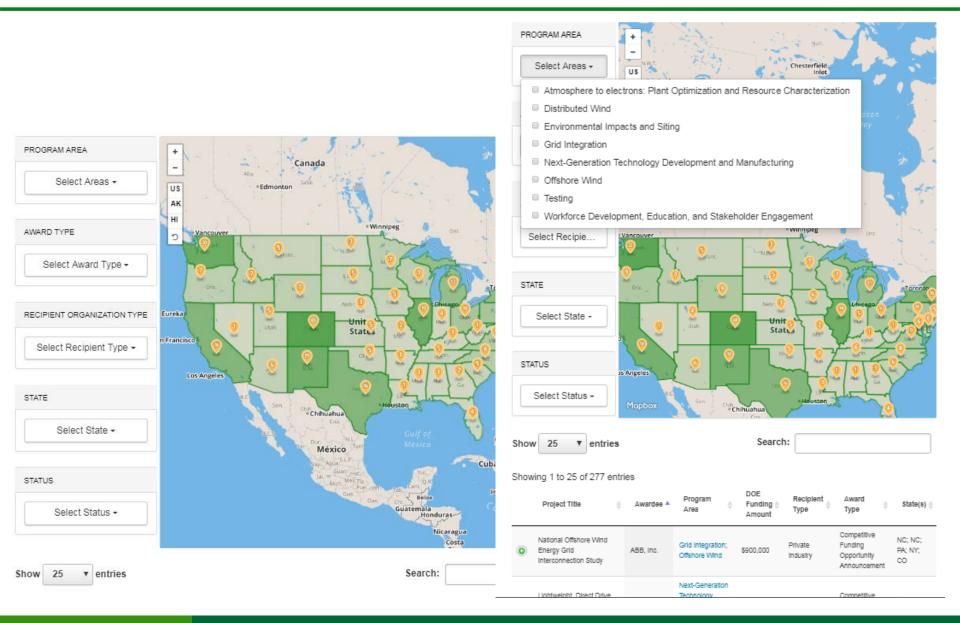
WETO coordinates with project awardees to ensure they are communicating project results

- Annual communications review of lab AOPs--Labs often reach targeted technical audiences through conference presentations, workshops, and scholarly journal articles, which we encourage
- Quarterly lab reviews—added public outreach/industry engagement in 2018
- Communications engagement with FOA awardees
 - Review public documents, coordinate on press releases and publications
 - Data management plans

Publications

- Office of Science and Technical Information (OSTI) and Public Access Gateway for Energy and Science (PAGES)
- Wind Technology Resource Center
- Inclusion in WETO Breaking News, R&D Newsletter, website, projects map
- WETO R&D Projects Map

WETO Projects Map



Wind Technology Resource Center



Select All

Blades & Rotors

Distributed Wind

Components

Development of a 5 MW Reference Gearbox for Offshore Wind Turbines | 2016

This paper presents detailed descriptions, modeling parameters and technical data of a 5MW high-speed gearbox developed for the National Renewable Energy Laboratory offshore 5MW baseline wind turbine. The main aim of this paper is to support the concept studies and research for large offebore wind turbines by providing a baseline gearboy model with detailed modeling

Wind Energy Data and Information Gateway—an integrated online system for

· OpenEI: Wind Power-a wiki featuring topics crowd-sourced from industry and

Other Technical Data & Information

government agencies.

Printable Version

Operations

• Merit Reviews

 WETO leverages a uniform Lab Call platform and merit review process to identify, select, and inform new and continuing science and technology projects that have the maximum potential to accomplish mission objectives

• Annual Operating Plans (AOPs)

- Standard performance agreement between EERE technology offices and the national laboratories
- Developed collaboratively between June and September for the following fiscal year beginning 1 October
- Operations facilitates project negotiations and coordinates input of annual project attributes while employing rigorous quality assurance practices to safeguard data integrity

Quarterly Reporting

- Operations collects, distills, and aggregates quarterly project data for active project management purposes
- Quarterly reports provide updates on performance metrics and insight into project financial status