

Tuesday | August 6, 2024

START TIME	THE FORUM
9:00 AM	Opening Remarks and Introduction to the Peer Review Eric Lantz Director, Wind Energy Technologies Office (WETO), U.S. Department of Energy
9:15 AM	Keynote Address Alicia Barton CEO, Vineyard Offshore
9:40 AM	BREAK
9:50 AM	Offshore Wind Program Overview Jocelyn Brown-Saracino Offshore Wind Lead, WETO
10:15 AM	Land-based Wind Program Overview Mike Derby Program Manager, Technology Research, Development, & Testing Program, WETO
10:40 AM	Distributed Wind Program Overview Patrick Gilman <i>Program Manager, WETO</i>
11:05 AM	BREAK
11:15 AM	Systems Integration Program Overview Jian Fu Program Manager, Systems Integration, WETO
11:40 AM	Data, Modeling, and Analysis Program Overview Patrick Gilman <i>Program Manager, WETO</i>
12:05 PM	LUNCH



Tuesday | August 6, 2024

START TIME	THE FORUM	CENTRAL HUB	SOUTH HUB	NORTH HUB	
1:10 PM	Tech RD&T Crosscut Overview* Mike Derby	Systems Integration Introduction Jian Fu	Distributed Wind Introduction Patrick Gilman	Wind & Wildlife Overview Joy Page	
1:30 PM	TC01: ORACLE with Mesoscale- Microscale Coupling and Offshore Wind Atmospheric Coupling	S01: Atlantic Offshore Wind Transmission Study	TD01: Optimal Operation & Impact Assessment of DW for Improving Efficiency & Resilience of Rural Electricity	E01: WREN & Wind Energy Environment	
2:00 PM	TC02: Energy Research and Forecast Modeling	S02: Understanding Protection & HVDC Breaker Needs for OS Grid Developments in the Atlantic Region	TD02: Wind Intelligently Integrated into Rural Energy Systems (WIIRES)	E02: Wind Operational Issue Mitigation	
2:30 PM	BREAK				
2:40 PM	TC03: Floating Turbine High- Fidelity Modeling and Simulation	S03: TOGETS & Enhancing Weather Forecasts for Increased Grid Reliability for Wind with DLR	TD03: Rural Area Distributed Wind Integration Network Development (RADWIND)	E03: Advancing Avian Detection & Monitoring in Offshore Environments - Great Lakes Validation	
3:10 PM	TC04: Holistic, Multi-Fidelity Wind Farm Design Optimization and Model Coordination	S04: Regulatory, Siting, and Construction Barriers to Bulk Transmission	TD04: Distributed Energy Resource Business Model for Rural Cooperative DW Microgrids	E04: Bat Radio Frequency Transmitter R&D	
3:40 PM	BREAK				
3:50 PM	TC05: Path to Nationwide Hybrids	S05: WindVSG & Advanced Modeling, Dynamic Stability Analysis, & Mitigation of Control Interactions in Wind		E05: Evaluation TIMR Technology as a Smart Curtailment Approach	
4:20 PM	TC06: Offshore Wind Plant Controls	S06: Wind as a Real Synchronous Generator		E06: Multi-Sensor Approach for Measuring Bird & Bat Collisions w/ OSW Turbines	
4:50 PM	TC07: Carbon Fiber Material Design for Targeted Performance Enhancement				
5:20 PM	ADJOURNED				



Wednesday | August 7, 2024

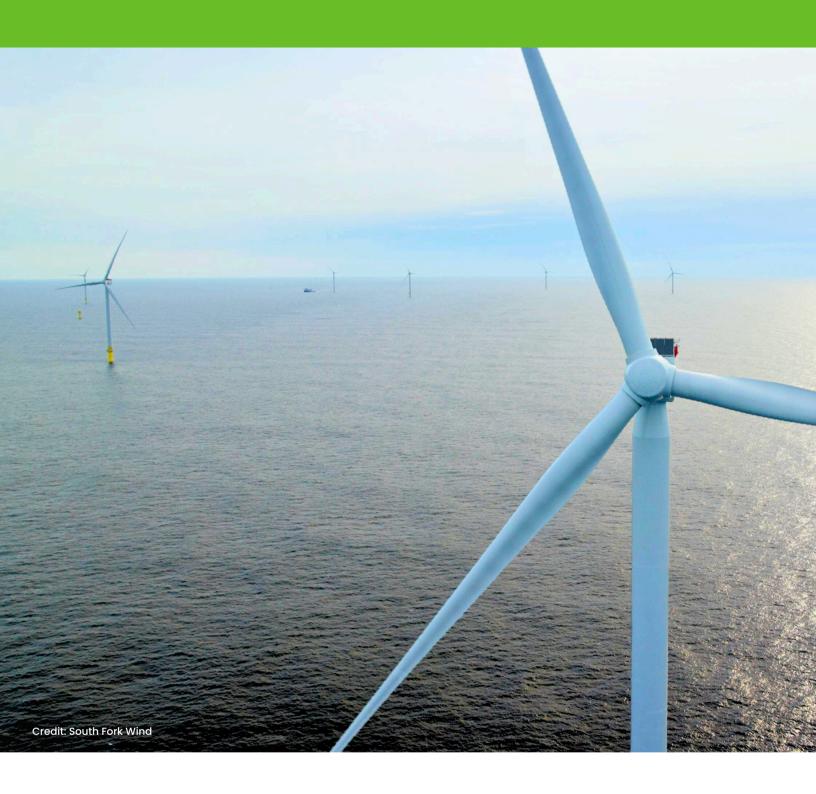
START TIME	THE FORUM	CENTRAL HUB	SOUTH HUB	NORTH HUB		
9:00 AM	Opening Remarks Representative Paul Tonko (D-NY) 20th District					
9:10 AM	Keynote Address Veronica Barner Renewable Energy R&D Director, GE Vernova					
9:35 AM	BREAK					
10:00 AM	Tech RD&T Land-based Overview Ben Hallissy	S07: Universal Interoperability for Grid-Forming Inverters (UNIFI) Consortium	Tech RD&T Offshore Overview Nate McKenzie	Siting R&D Overview Joy Page		
10:30 AM	TL01: Wind Forecasting for Tall Turbines Across Regions w/ Terrain & Land Surface Heterogeneity	S08: Advanced Standardized Wind Models for Fast Dynamics & SC analysis	TO01: Influences of Future Tropical and Extratropical Storms on Wind Energy	E07: US Wind Turbine Database and Location Impacts R&D		
11:00 AM	BREAK					
11:10 AM	TL02: American Wake Experiment (AWAKEN)	S09: GridPACKTM-Wind: High Performance Modeling & Simulation for Wind Integration	TO02: Lidar Buoy Deployments and Lidar Buoy Science	E08: Siting - Radar Wind- Turbine RCS Mitigation (FAA)		
11:40 AM	TL03: Rotor Wake Measurements & Predictions for Validation (RAAW)	S10: National Intra-hour Wind Power Production Database	TO03: Wind Forecast Improvement Project 3 (WFIP3)	E09: Siting - Radar Wind- Turbine RCS Mitigation (MIT-LL)		
12:10 AM	LUNCH					
1:10 PM	TL04: Additive Hybrid Tall Towers	TD05: Competitiveness Improvement Project (CIP)	TO04: OSW System Design & Tool Validation	STEM, Workforce, and Stakeholder Engagement Overview Laura Hastings		
1:40 PM	TL05: On-site Spiral Welded Towers Enabling High Hub Heights	TD06: Distributed Wind Aeroelastic Modeling	TO05: Floating Wind Array Design	E10: WINDExchange Stakeholder Engagement and Outreach		
2:10 PM	BREAK					
2:20 PM	TL06: Big Adaptive Rotor	TD07: Tools Assessing Performance (TAP)	TO06: High Efficiency Ultra- Light Superconducting Generator (SCG)	E11: Collegiate Wind Competition		
2:50 PM	TL07: Manufacturing & Additive Design of an Electric Machine enabled by 3D printing (MADE3D)	TD08: Wind Hybrid Integration Platform (WHIP)	TO07: National Offshore Wind Research and Development Consortium	E12: Wind for Schools & Wind Workforce		
3:20 PM	BREAK					



Thursday | August 8, 2024

START TIME	THE FORUM	CENTRAL HUB	SOUTH HUB	NORTH HUB		
9:00 AM	NETWORKING	S11: WindSHIELD	TO08: 2019 Facilities FOA - Summary of 6 Awards	TL08: Wind Turbine Drivetrain Reliability		
9:15 AM		S12: WindWeasel: PLC Monitoring, Analysis, and Alerting System	TO09: Floating Offshore Wind ReadINess (FLOWIN) Prize	TL09: WT Blade Durability & Damage Tolerance		
10:00 AM		BREAK				
10:10 AM		S13: GreenHeart	TO10: West Coast Port Strategy for Commercial Scale Floating Wind Arrays	TL10: Wind Technology Recycling Assessment		
10:40 AM		S14: Wind Grid Integration Stakeholder Engagement	TO11: New England Aqua Ventus I			
11:10 AM			TO12: Full-scale Floating OSW Turbine (FOWT) Platform in U.S. OCS Atlantic Region			
11:50 AM	Adjourned					
11:50 AM	LUNCH					
THE FORUM						
1:00 PM	PEER REVIEW DEBRIEF CLOSED DOOR, REVIEWERS, AND WETO STAFF ONLY					
3:00 PM	Closed					





2024 PROJECT IEW

U.S. DEPARTMENT OF ENERGY WIND ENERGY TECHNOLOGIES OFFICE