List of Awardees

NYSERDA PON 4214

Pillar	Technical Challenge Area	Proposal Title	Lead Proposer
Pillar 1: Offshore Wind (OSW) Plant Technology Advancement	1.1: Array Performance and Control Optimization	Computational Control Co-design Approach for Offshore Wind Farm Optimization	Stony Brook University
		Impact of Low Level Jets on Atlantic Coast Offshore Wind Farm Performance	General Electric
		Reducing LCoE from Offshore Wind by Multiscale Wake Modeling	Cornell University
		Wind Farm Control and Layout Optimization for U.S. Offshore Wind Farms	NREL
	1.2: Cost-Reducing Turbine Support Structures for the U.S. Market	A Low-Cost Modular Concrete Support Structure and Heavy Left Vessel Alternative	RCAM Technologies
	1.3: Floating Structure Mooring Concepts for Shallow and Deep Waters	Demonstration of Shallow-Water Mooring Components for FOWTs (ShallowFloat)	Principle Power, Inc.
		Design and Certification of Taut-synthetic Moorings for Floating Wind Turbines	University of Maine
		Dual-Functional Tuned Inerter Damper for Enhanced Semi-Sub Offshore Wind Turbine	Virginia Tech
		Innovative Anchoring System for Floating Offshore Wind	Triton Systems, Inc.
		Innovative Deepwater Mooring Systems for Floating Wind Farms (DeepFarm)	Principle Power, Inc.
		Shared Mooring Systems for Deep-Water Floating Wind Farms	NREL
		Techno-Economic Mooring Configuration and Design for Floating Offshore Wind	UMass Amherst
	1.4: Power System Design and Innovation Challenge Statement	Development of Advanced Methods for Evaluating Grid Stability Impacts	NREL
Pillar 2: OSW Power Resource and Physical Site Characterization	2.1: Comprehensive Wind Resource Assessment	A Validated National Offshore Wind Resource Dataset with Uncertainty Quantification	NREL
	2.2: Development of a Metocean Reference Site	Development of a Metocean Reference Site near the MA & RI Wind Energy Areas	WHOI
Pillar 3: Installation, O&M and Supply Chain Solutions	3.2: Offshore Wind Digitization Through Advanced Analytics	Enabling Condition Based Maintenance for Offshore Wind	General Electric
		Physics Based Digital Twins for Optimal Asset Management	Tufts University
		Radar Based Wake Optimization of Offshore Wind Farms	General Electric
		Survival Modeling for Offshore Wind Prognostics	Tagup, Inc.
	3.3: Technology Solutions to Accelerate U.S. Supply Chain	20GW by 2035: Supply Chain Roadmap for Offshore Wind in the US	NREL

Updated 6/4/2020
Note: The latest round of project awards are highlighted yellow