



NATIONAL OFFSHORE WIND

RESEARCH & DEVELOPMENT CONSORTIUM

Established in 2018, the National Offshore Wind Research and Development Consortium (NOWRDC) is a nationally-focused, not-for-profit, public-private partnership dedicated to managing industry-focused research and innovation to reduce the levelized cost of energy (LCOE) of offshore wind in the U.S. while maximizing other economic and social benefits.

NOWRDC advances the U.S. offshore wind industry through:

High-Impact Research & Development

Building strong networks connecting technology innovators, investors, and industry



NOWRDC has awarded **\$31 million** to 46 different projects in the following 7 technical categories

I Supply Chain and Logistics

II Electrical Power Systems

III Operations and Maintenance and Safety

IV Environmental and Conflicting Use

V Wind Resource and Site Characterization

VI Floating Structure Engineering

VII Fixed Structure Engineering



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In Massachusetts

NOWRDC provides over \$11m in total funding for 14 projects conducting offshore wind research and development across the Commonwealth of Massachusetts.

UMass Amherst

Techno-Economic Mooring Configuration and Design for Floating Offshore Wind

*Subcontracting with Principle Power Innovative Deepwater Mooring Systems for Floating Wind Farms (DeepFarm)**

Power Advisory

Subcontracting with Offshore Wind Consultants Shared Landfall and Onshore Cable Infrastructure for Cable Colocation Feasibility Study

Triton Systems, Inc.

Innovative Anchoring System for Floating Offshore Wind*

UMass Lowell

A Novel Structural Health Monitoring System for Offshore Wind Turbine

Tufts University

Transmission Expansion Planning Models for Offshore Wind Energy*

Physics Based Digital Twins for Optimal Asset Management*

Subcontracting with RCAM Technologies A Low-Cost Modular Concrete Support Structure and Heavy Lift Vessel Alternative

DEME Offshore US

Tri-Suction Pile Caisson Foundation Concept

Northeastern University

Long-Term Availability and Bankability of Offshore Wind Through Hurricane Risk Assessment and Mitigation

New England Aquarium

Subcontracting with Cornell University

Right Wind: Resolving Protected Species Space-Use Conflicts in Wind Energy Areas

Northeastern University

Subcontracting with Keystone Tower Systems

Tapered Spiral Welding for US Offshore Wind Turbine Towers

Dive Technologies

Fully Autonomous Subsea Asset Inspection by a Shore-Launched AUV

Woods Hole Oceanographic Institution

Development of a Metocean Reference Site near the MA & RI Wind Energy Areas

The Massachusetts Clean Energy Center (MassCEC) is a NOWRDC member

**Projects with an asterisk have a MassCEC cost share*