



# 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 Colorado*

NOWRDC provides over \$14.4m in total funding to 16 projects conducting offshore wind research and development across the State of Colorado.

## **NREL**

30GW by 2030: Supply Chain Roadmap for Offshore Wind in the US

Development of Advanced Methods for Evaluating Grid Stability Impacts

Standardized Scalable Mooring Solutions Optimized for the U.S. Supply Chain

Shared Mooring Systems for Deep-Water Floating Wind Farms

Wind Farm Control and Layout Optimization for U.S. Offshore Wind Farms

Development of Advanced Methods for Evaluating Grid Stability Impacts

A Validated National Offshore Wind Resource Dataset with Uncertainty Quantification

## **NREL**

*Subcontracting with RCAM Technologies*

A Low-Cost Modular Concrete Support Structure and Heavy Lift Vessel Alternative

*Subcontracting with ESTEYCO SL*

Self-Installing Concrete Gravity-Base Substructure Sizing for 15MW Turbine

## **NREL**

*Subcontracting with PCCI, Inc.*

Quarter Scale Testing of the Intelligent Mooring System for FOWT Platforms

*Subcontracting with ESTEYCO SL*

Evolved Spar Concrete Substructure for Floating Offshore Wind US-Based Design

## **NREL**

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

Subcontracting with Principle Power Demonstration of Shallow-Water Mooring Components for FOWTs (ShallowFloat)

## **RCAM Technologies**

A Low-Cost Modular Concrete Support Structure and Heavy Lift Vessel Alternative

## **NREL**

*Subcontracting with GE Research*  
Impact of Low Level Jets on Atlantic Coast Offshore Wind Farm Perform

## **Keystone Tower Systems**

Tapered Spiral Welding for US Offshore Wind Turbine Towers