

OCEAN ENERGY PLANNING and MANAGEMENT

DATA for INDUSTRY, MANAGERS, and SCIENTISTS

Harnessing of tidal stream, wind, and wave ocean energy resources in the northeast region is just getting under way and has the potential to provide a significant source of renewable energy and economic development.

Real-time and historical observations and forecasts of ocean and weather conditions are essential for siting, power production analysis, impact monitoring, and operation of demonstration or power production facilities.

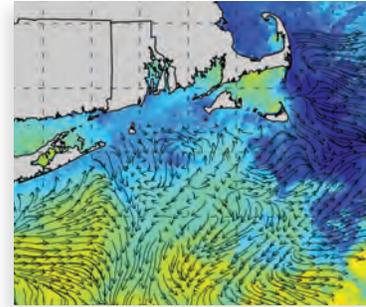
The NERACOOS system, including its buoys, coastal surface current radars, and modeling and forecast systems, is delivering critical information to developers, engineers, scientists, and managers in this growing industry.

Tools:

- Long-term data on ocean conditions
- Real-time data map
- Wave forecast
- Planning maps
- Ocean current maps
- Ocean forecasts of winds, waves, currents, water temperature, and more

BENEFITS

- **EFFECTIVE DESIGN**
Ocean energy developers and engineers have access to ocean and weather data needed to effectively and efficiently design and implement power production infrastructure.
- **ENHANCED GOVERNMENT REVIEW**
State and federal agencies responsible for siting and permitting coastal and offshore energy developments have ocean and weather data required for their assessment.
- **SAFE AND EFFICIENT OPERATION**
Operators of ocean energy developments will have the real-time ocean and weather observations and forecasts that will allow them to operate safely and efficiently.



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“ These buoys and model information will improve the viability of the Gulf of Maine as a strong candidate for offshore wind farm developments. ”
Habib Dagher, DeepCwind Consortium

