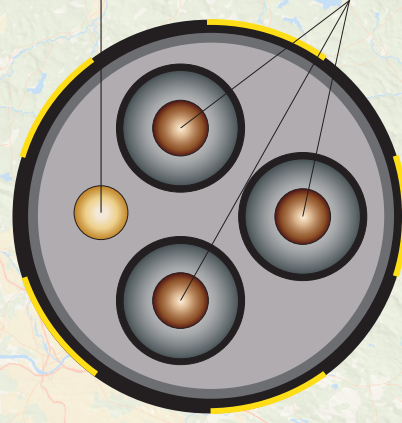


BUSINESS

Export cable

For the Revolution Wind project, about 70 miles of 12-inch cable will be buried 4 to 6 feet under the Outer Continental Shelf and in Rhode Island waters.



The bundle will be encased in a water-sealed jacket wrapped in steel armor wire, which in turn will be covered in a polyester yarn with bright black and yellow stripping.

Fiber optic cable will provide fault detection, control and monitoring, and communication.

Power conductors will be made of copper or aluminum alloys and insulated with cross-linked polyethylene.

Wind turbine generator

Total Height = 873 ft above mean sea level

Washington Monument = 555 ft

Rotor Diameter = 722 ft

Nacelle Height = 513 ft

Blade Length = 358 ft

Deck Height = 75 ft

Air Gap = 105 ft

Mean sea level

Seabed

Ørsted/Eversource's Revolution Wind permits call for as many as 100 turbines ranging from 8 megawatts up to 12 megawatts. Preliminary plans are for up to 15 turbines at South Fork Wind and as many as 122 at Sunrise Wind.

(Scale is approximate.)

MASS.

Cape Cod

Barnstable

804 MW to Connecticut

Martha's Vineyard

Quonset Point

304 MW to Connecticut
400 MW to Rhode Island

R.I.

*New London

Block Island

30 MW

Long Island, N.Y.

Wainscott

132 MW to New York

924 MW to New York

Smith Point

Winds of change

Story and Illustrations By SCOTT RITTER
Day Staff Writer

THINK OF IT AS OIL PATCH VERSION 2.0.

As the nation's nascent offshore wind industry begins revving up, New London and the surrounding region are poised to become front-and-center in the push to bring large-scale offshore renewable energy to the nation.

Roughly 10 big commercial wind projects — some languishing in the pipeline for years — are beginning to catch a tangible updraft. Once turning, colossal turbines rising off southern New England's coast will bring enough power ashore to light millions of homes.

In Connecticut, a major overhaul of State Pier in New London is expected to begin this spring. Danish wind developer Ørsted and its partner, New England's Eversource Energy, will use the revamped pier as a staging area for three big wind farms in federal waters just east of Block Island, R.I.

SEE WINDS PAGE B3

- South Fork Wind (Ørsted/Eversource)
- Revolution Wind (Ørsted/Eversource)
- Sunrise Wind (Ørsted/Eversource)
- Bay State Wind (Ørsted/Eversource)
- Vineyard Wind (Copenhagen Infrastructure/Avangrid)
- Beacon Wind (Equinor/BP)
- Mayflower Wind (Shell/EDPR Renewables)
- Block Island Wind (Ørsted)

20 miles

