

# **Cape Wind Energy and the Long Island Offshore Wind Projects**

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# Energy Policy Act of 2005



- 8 August 2005 Authorized DOI to develop
  - Means to convey OCS lands for AE/AU
  - Regulatory compliance program for the lifecycle of AEAU facilities
  - Means to provide fair return to the nation
- Then two active proposals for OCS wind parks
  - Cape Wind (beyond application to a COE DEIS)
  - Long Island Offshore Wind Park (Application to COE)
- Did not require the submittal of any document that was previously submitted or reauthorization of any action that was previously authorized for existing proposals.

# LIOWP Project Description



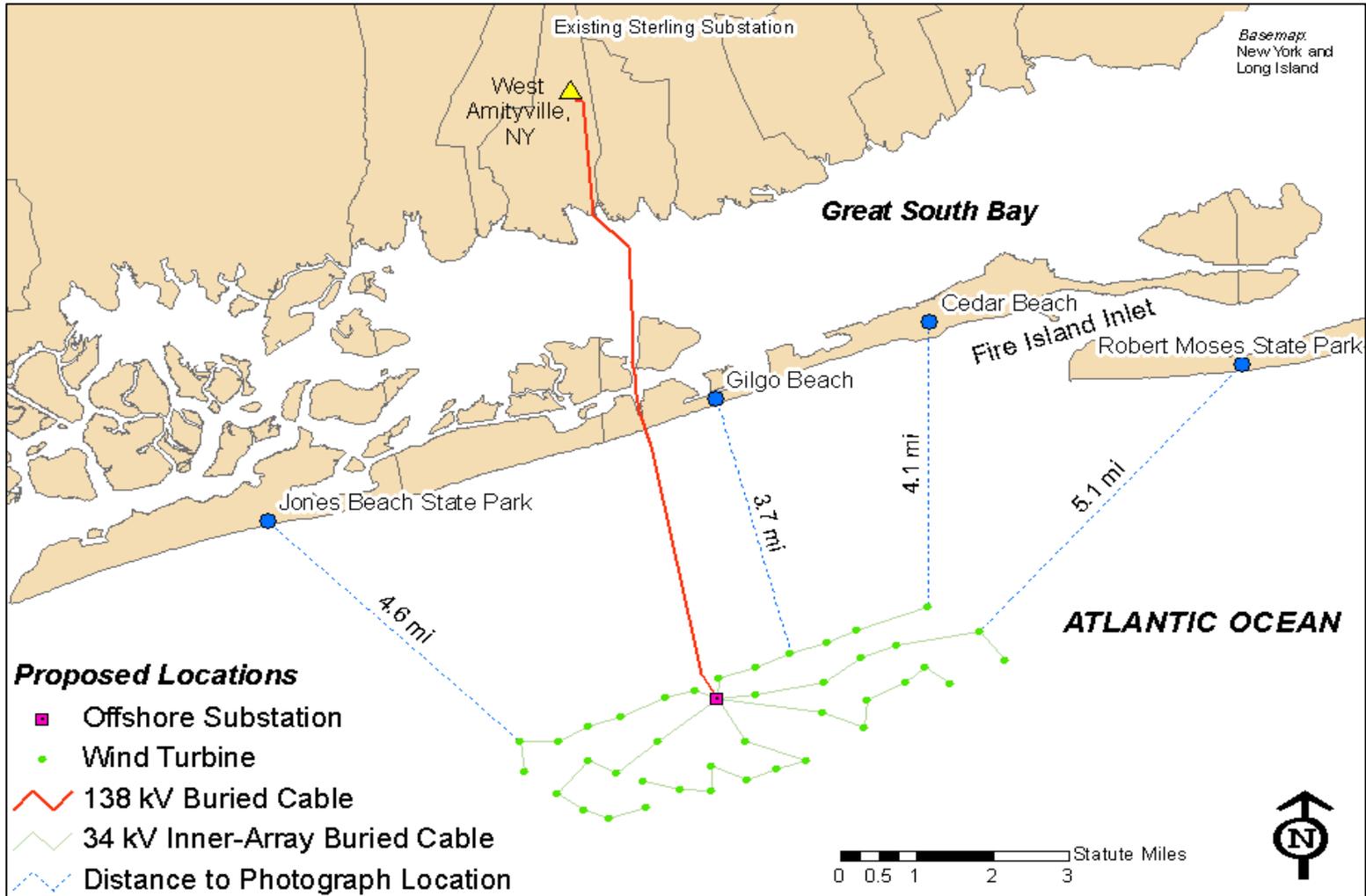
- **Park to produce peak 140 MW of electricity**
- **3.6 miles southwest of nearest land**
- **40 wind turbine generators (WTG)**
- **WTGs 442 feet total height**
- **138 kV submarine transmission line to West Amityville via offshore electrical service platform**



# Cape Wind Project Description

- **468 MW capacity offshore wind power project**
- **Location at Horseshoe Shoals in Nantucket Sound**
- **130 turbines, 100x200ft electric service platform**
- **440 feet above water**
- **Spread over 24 sq. mi. (1/3–1/2 mi spacing)**
- **16-20 foot diameter piles**
- **Providing power to ISO-NE grid, two 115kv AC transmission lines coming ashore in Yarmouth**

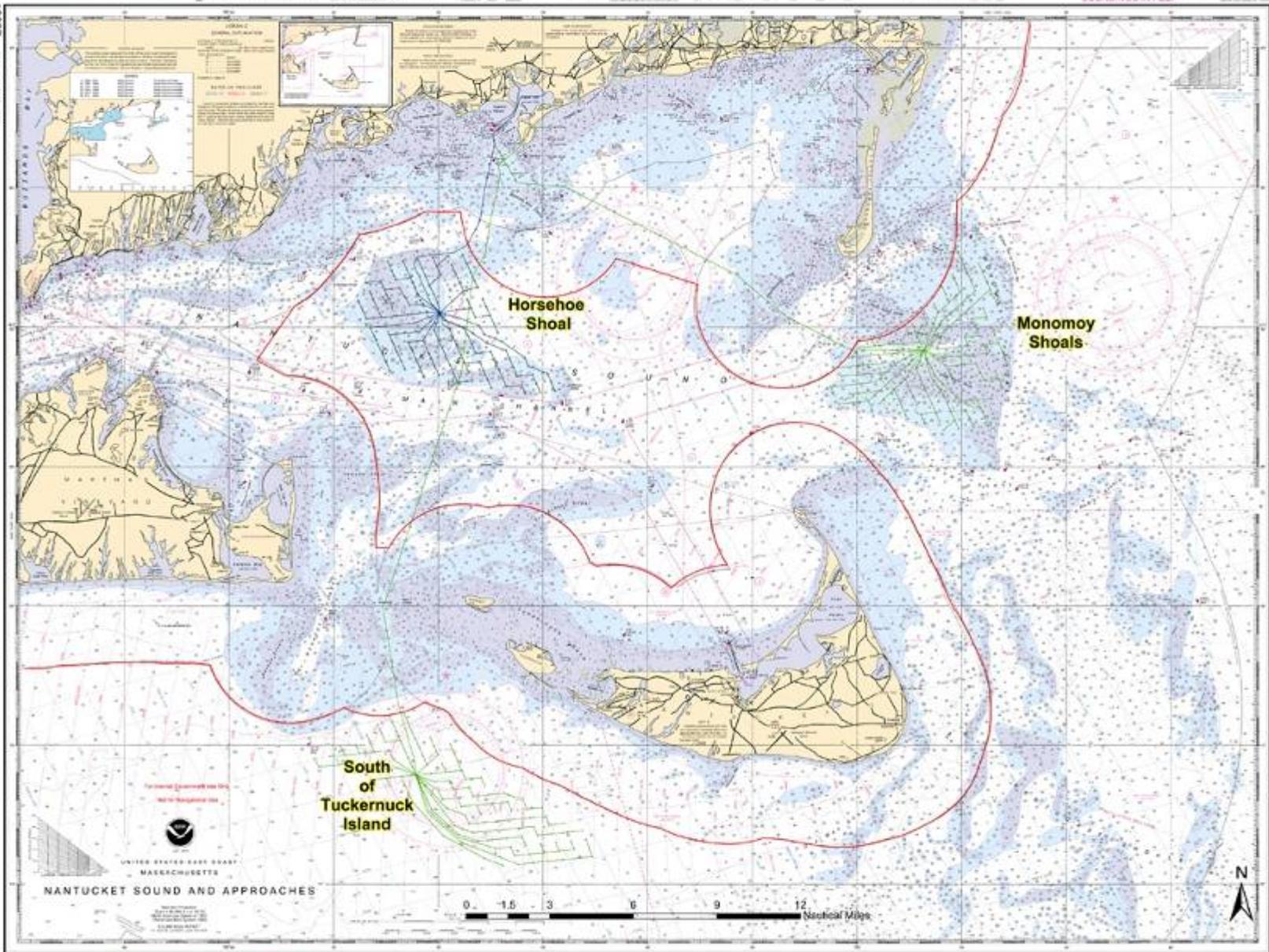
# LIOWP Project Location



To provide a utility-scale, renewable energy facility for the Long Island electrical grid

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# LIOWP Chronology

- April 2005 COE Application evaluated, additional material sought
- March 2006 MMS conditionally accepted LIOWP Application
  - NEPA was needed w/ or w/o regulations
- 19 June 2006 MMS NOI for an EIS to evaluate LIOWP
  - 60 day scoping
  - 2,877 sources submitted 6,075 comments
    - Supportive – 3,786
    - Opposing or prefer “no action” – 714
    - Support fair & full evaluation – 1,574
- June–Aug 2006 MMS solicited a 3rd party contractor to write the EIS

# LIOWP – What Happened?



- August 2006, MMS began EIS preparation with existing information
- Developer did not have a Power Purchase Agreement with utility
- September–October 2006, developer reported supplier issues with their desired WTG
- May 2007, utility contracted for an independent cost estimate
  - Estimate to construct about tripled a 2004 estimate
- 24 August 2007, utility scrapped the project

# Cape Wind Chronology



- November 2001 – permit application filed with ACOE
- November 2004 – ACOE publishes DEIS
- August 2005 – EPO Act, MMS now has regulatory oversight
- December 2005 – MMS finished first “completeness review” for application; identified numerous information gaps
- May 2006 – MOA signed (CW – MMS) to hire TRC
- May 2006 – MMS published NOI to develop an EIS
- June 2006 – MMS accepted CW application
- January 2008 – MMS published DEIS

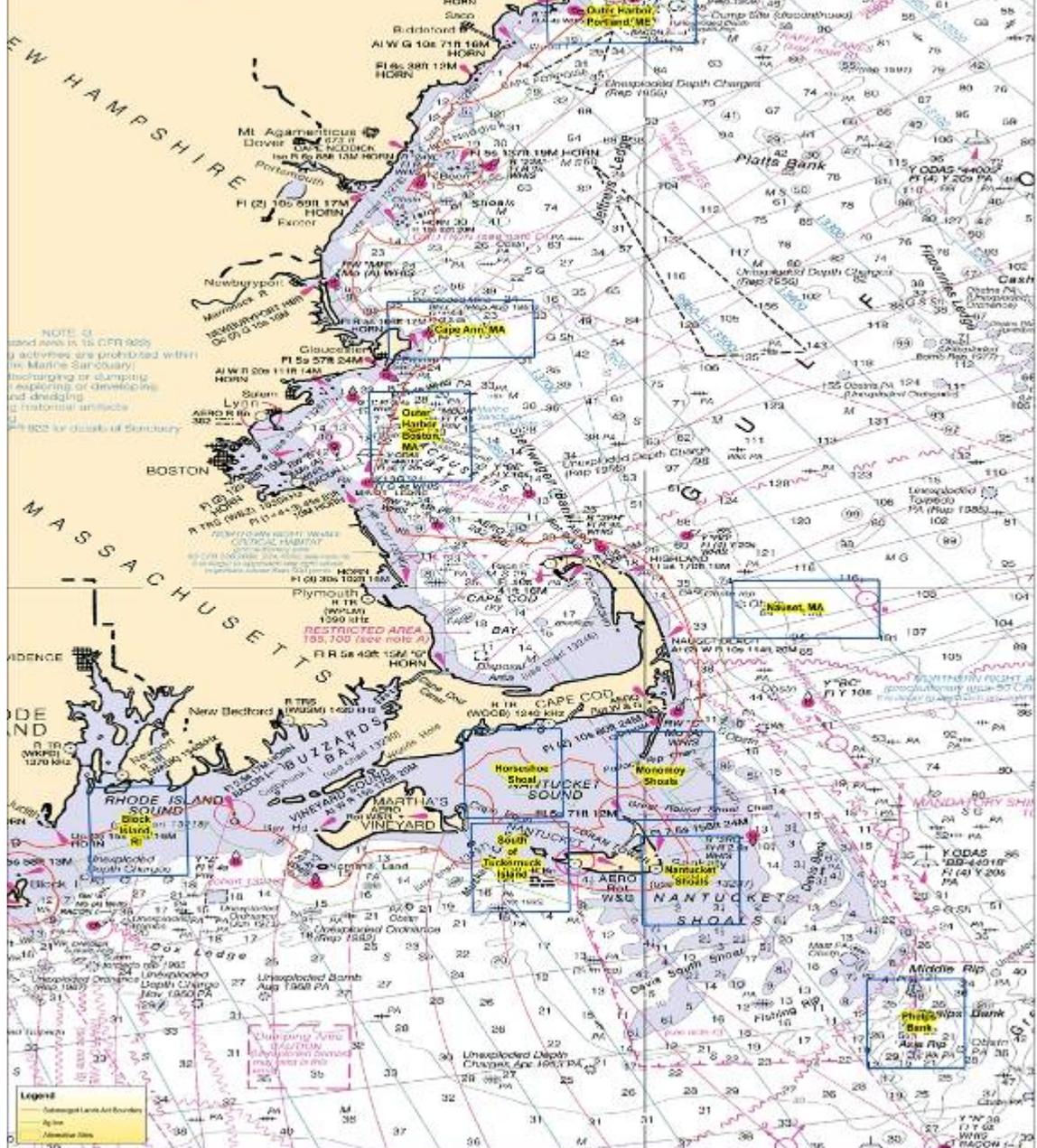
# NEPA Alternatives



- Horseshoe Shoals  
(proposed action)
- HS denser configuration
- HS phased development
- HS smaller project
- State waters
- Alternative OCS sites
- No action



AIDS TO NAVIGATION  
 Coast Guard Light List for supplemental  
 listing of Lights, Buoys, and Fog Signals for  
 included in the U.S. Coast Guard Light List.



NOTE: 31  
 listed areas is to CFR 9005  
 activities are prohibited within  
 the Marine Sanctuary  
 anchoring or dumping  
 or exploring or developing  
 and dredging  
 of historical artifacts  
 9002 for details of Sanctuary

**Legend**  
 - Outermost Limits and Boundaries  
 - Light  
 - Navigational Aids

**Cape Wind Project  
 Alternative Site Analysis**





# Major Issues

- Endangered Species Act
  - Piping Plover & Roseate Tern
- National Historic Preservation Act
  - View shed
- Navigation
  - Radar

