

MMS Public Hearing



Welcome

Cape Wind Energy Project

Please Help Get the Word Out

MMS would like to notify all interested parties that there has been a slight change in the meeting venue for Thursday night

The new location on the UMASS Boston Campus is the Clark Athletic Center Gym

MMS would appreciate efforts to help inform all interest parties of this slight change

CAPE WIND HEARINGS

**PARTICIPANT & SPEAKER
GUIDELINES**

All Participants

- **Turn off cell phones and pagers (or set to vibrate mode)**
- **Maintain civil and respectful behavior**
- **Listen attentively to what is being said**
- **Allow your fellow citizens to present their views in an uninterrupted manner**

All Participants

- Refrain from cheering, applauding, whistling or making derogatory remarks about views you either support or oppose
- Avoid side conversations to the greatest extent possible
- Use the breaks to discuss the issues

Speakers (Public Statements)

- Register to speak; the sequence of speakers will be determined by the order in which individuals sign up to speak
- Be brief and concise
- Stay within the allotted 3-minute time period for speakers

Cape Wind Energy Project

DRAFT

Environmental Impact Statement (DEIS)



Public Hearings
Massachusetts
March 10-13, 2008



Who is MMS?

The Minerals Management Service manages the ocean energy and mineral resources on the Outer Continental Shelf and Federal and Indian mineral revenues to enhance public and trust benefit, promote responsible use, and realize fair value.

MMS Alternative Energy Programs

Congressional Mandate

Under authority of the Outer Continental Shelf Lands Act, as amended by the Energy Policy Act of 2005, MMS will regulate alternative energy projects and alternate use of facilities on the OCS.

- Wind energy
- Wave energy
- Ocean current energy
- Solar energy
- Hydrogen production

Minerals Management Service (MMS)

**Robert LaBelle, Deputy Associate Director
for Offshore Energy and Minerals
Management**

**Maureen A. Bornholdt, Program Manager,
Office of Alternative Energy Programs**

**Dr. Rodney E. Cluck, Cape Wind Project
Manager**

Purpose of the EIS Process

- **Provide full and fair discussion**
- **Involve the public**
- **Inform decision makers**
- **Identify reasonable alternatives and mitigation**

What types of comments/input is MMS looking for?

- *Your* comments on the DEIS
- Issues of concern
- Identification of mitigation measures and monitoring
- Identification of additional environmental information

Beyond the EIS...

Any potential Authorization by MMS Would Include Provisions for:

- **Rentals, other payments**
- **Decommissioning**
- **Financial Assurance (e.g. bonding)**
- **Revenue sharing with states (27%)**
- **Ensuring safe and environmentally sound operations**
 - e.g., provision for protection against oil spills

Beyond the EIS...

For Any Approved Project:

- **Require plans to be submitted for review by MMS**
 - **Site Assessment**
 - **Construction**
 - **Facility Operations**
 - **Decommissioning**
- **MMS Inspections; periodic reporting by operator**

Commenting on the Draft EIS

**Comments must be received on or before
April 21, 2008**

**MMS's Public Connect on-line commenting system at
<https://occonnect.mms.gov>.**

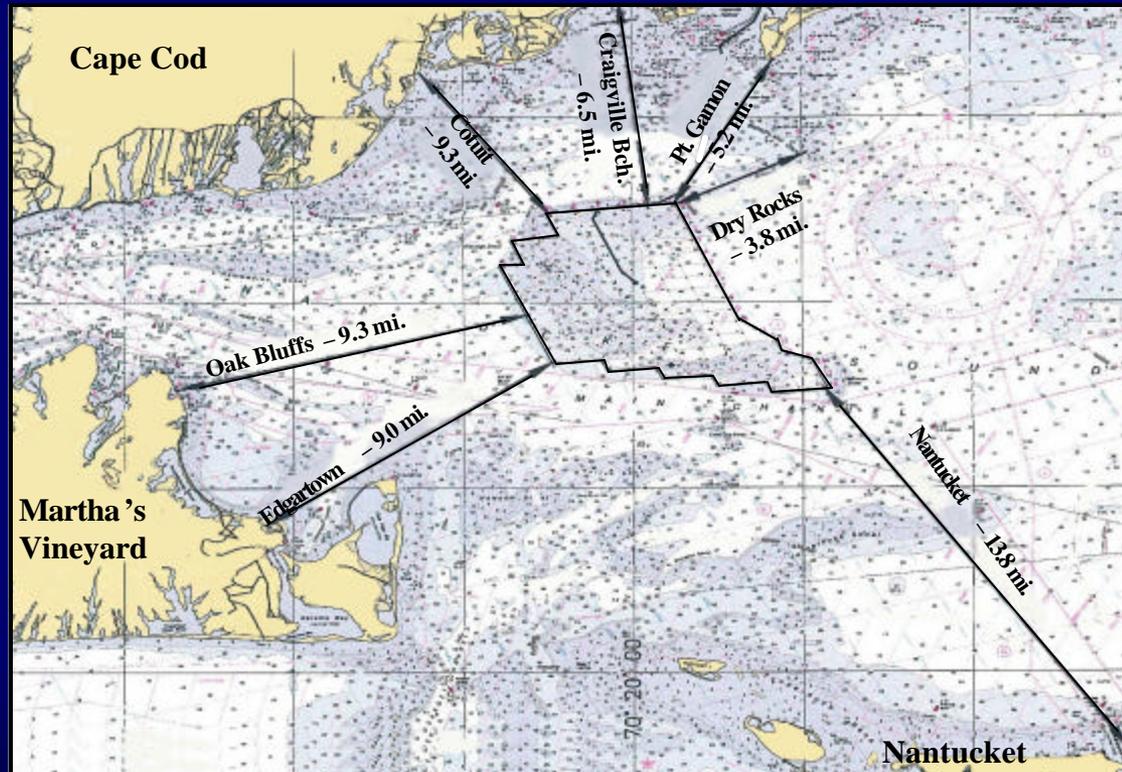
**(From the Public Connect "Welcome" screen, select
"Projects Open for Comment" and then select "Cape Wind
Energy Project DEIS")**

Comments can be mailed to:

**MMS Cape Wind Energy Project
TRC Environmental Corporation
650 Suffolk Street
Lowell, Massachusetts 01854**

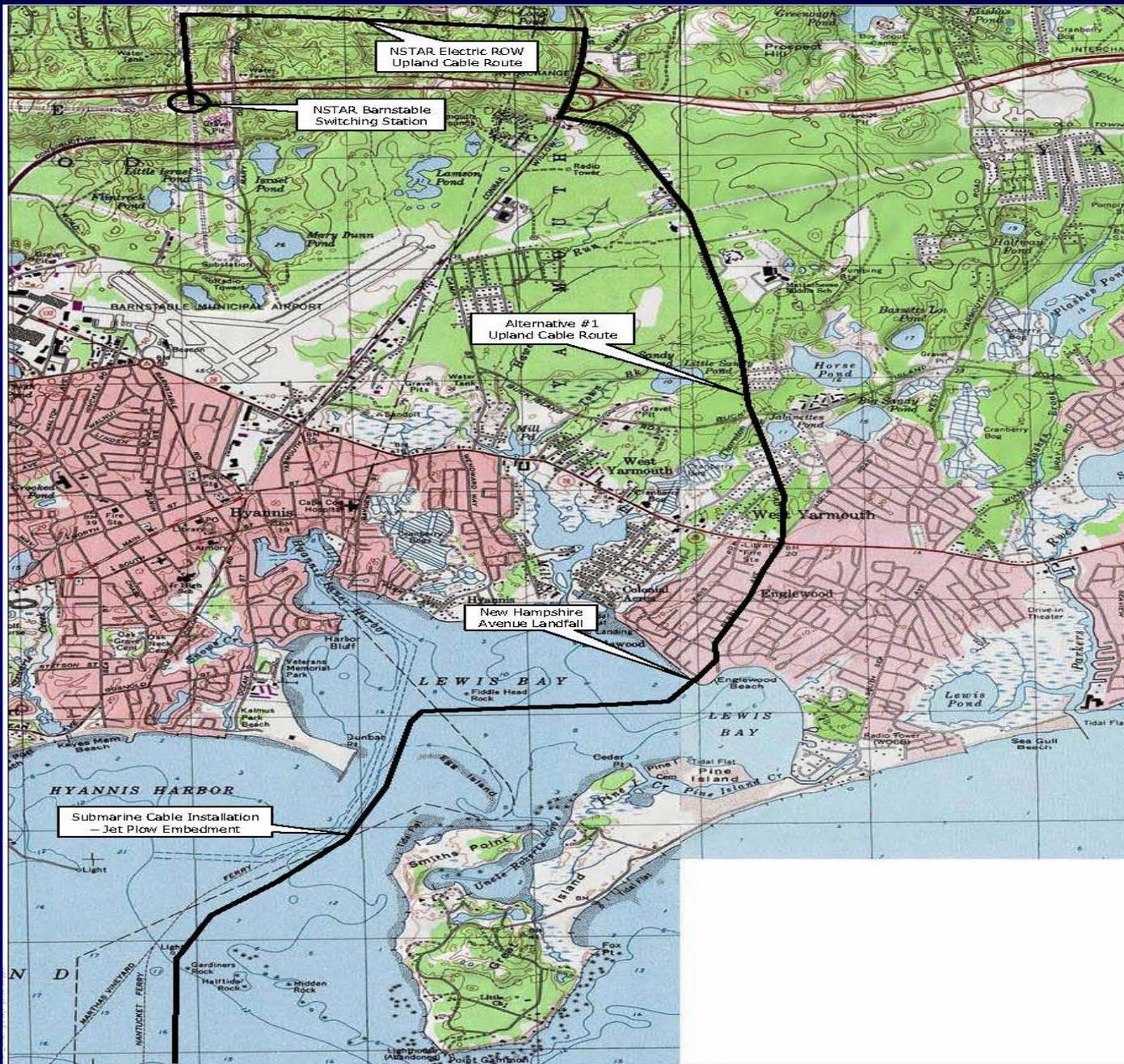
Project Description

- 468 MW capacity offshore wind power project
- Location at Horseshoe Shoals in Nantucket Sound



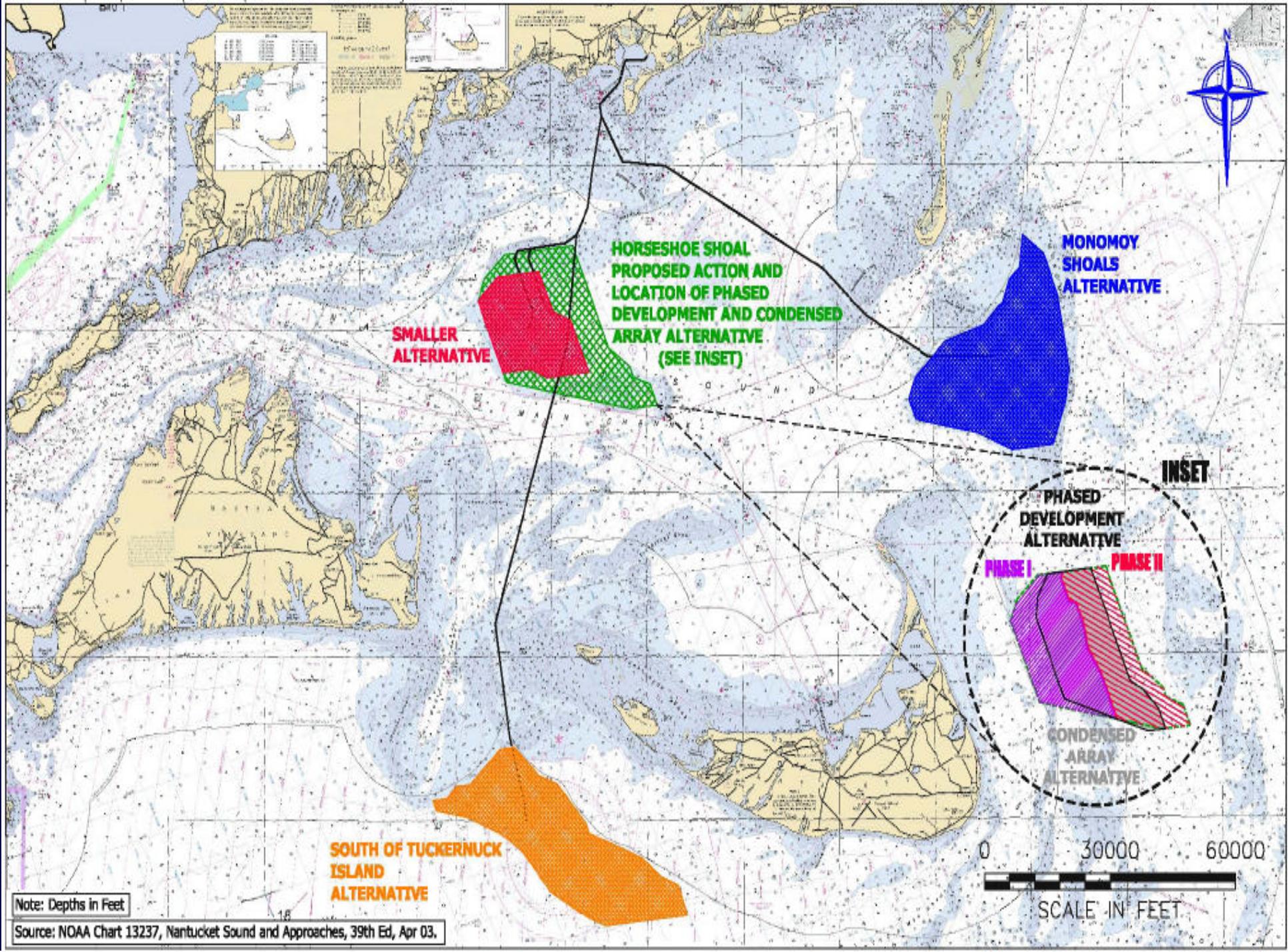
Project Description (cont.)

- **130 turbines, 100x200ft electric service platform**
- **At highest point, 440 feet above water**
- **Spread over 25 sq. mi. (1/3-1/2 mi spacing)**
- **16-18 foot diameter piles**
- **33 kV inner-array cables connect turbines to the electric service platform**
- **Providing power to ISO-NE grid through two 115 kV AC transmission lines coming ashore in Yarmouth**



Alternatives Screening Criteria

- **Criteria include:**
 - **Wave height**
 - **Water depth**
 - **Substrate**
 - **Transmission line distance**
 - **Minimum wind speed**
 - **Technology available**
 - **Limited economic analysis**



Impact Producing Factors

(Examples from routine and non-routine conditions)

- **All possible factors from:**
 - **Construction**
 - Routine: noise and vibration
 - Non-Routine: oil/fuel spills
 - **Operations**
 - Routine: foundation scour
 - Non-Routine: monopile collapse
 - **Decommissioning**
 - Routine: sea bed site clearance
 - Non-Routine: vessel collisions

Impact Levels

- **Negligible - no measurable impact**
- **Minor - resource will recover completely**
- **Moderate - complete resource recovery with mitigation**
- **Major - resource would not fully recover, even with mitigation**

Summary of Impacts

- **Most impacts “negligible” or “minor”**
- **Moderate Impacts consider mitigation**
 - **Avifauna (construction and operations)**
 - **Fisheries (construction)**
 - **Marine mammals (construction and operations)**
 - **Visual (operations – major in close proximity)**
 - **Competing Uses (operations- during Figawi race)**
 - **Vessel traffic (operations-sailing inside windpark)**

Timeline

- **Draft EIS**
 - Published January 2008
 - Comments due April 21, 2008
- **Public Hearings**
 - March 2008
- **Final EIS (projected)**
 - Fall 2008
- **Record of Decision (projected)**
 - Winter 2008/2009

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