

*Cape Wind News Release*

## **Massachusetts Moves Closer to Having Nation's First Offshore Wind Farm and More Secure Energy Future**

### **Cape Wind Project Draws Near As Final Report Released**

FOR IMMEDIATE RELEASE      CONTACT:    Mark Rodgers 508-237-6312

BOSTON, MA, January 16, 2009 -- After seven and a half years of comprehensive environmental review, scores of public hearings and community meetings, and energy challenges that make Cape Wind more essential now than when it was first proposed in 2001, the lead agency in charge of offshore energy projects today released its 2,800-page Final Environmental Impact Statement on Cape Wind.

“This report validates the project will create new jobs, increase energy independence and fight global warming while being a good neighbor to the ecosystem of Nantucket Sound,” said the project’s developer, Jim Gordon. “Massachusetts is one major step closer to becoming home to America’s first offshore wind farm and becoming a global leader in the production of offshore renewable energy,” Gordon added. “This moment would not have arrived without the steadfast support of environmental, labor, health and citizen advocacy groups throughout the region and I want to thank them for the important role they have played throughout this public process.”

From the Minerals Management Service (MMS) Final Environmental Impact Statement (FEIS):

- Horseshoe Shoal in Nantucket Sound is environmentally and economically superior to the alternative site locations that were studied.
- Cape Wind will reduce regional air pollution emissions of sulfur dioxide, nitrogen oxide and mercury, pollutants that harm human health.
- Cape Wind will reduce regional greenhouse gas emissions that contribute to climate change by 880,000 tons per year.
- Building Cape Wind will create hundreds of jobs and generate over a half-billion dollars in non-labor purchases in Massachusetts and Rhode Island.
- Cape Wind will not increase energy prices in New England and could help to lower energy clearing prices.
- Most of Cape Wind’s electricity will be consumed on Cape Cod and the Islands where it will supply ¾ of that region’s electricity and improve electric transmission performance.
- Cape Wind will have a substantial positive impact on electrical generating capacity and help Massachusetts achieve its renewable energy requirements under the State’s Renewable Portfolio Standard.

- Cape wind will have no major impacts on navigation, fishing, or tourism.

Now that the MMS has issued the FEIS, its Record of Decision on granting a lease to Cape Wind could come within 30 days. According to the MMS FEIS its, "...final decision would account for the regional, state, and local benefits and impacts as well as for the overall public interest of the United States."

The FEIS comes one year after MMS issued a Draft EIS which generated over 42,000 written public comments, over 40,000 of which were in support of the project. Prior to the MMS becoming the lead Federal Reviewing Agency, the US Army Corps of Engineers issued a comprehensive 3,800-page DEIS on Cape Wind in November, 2004 that found significant public benefits and few impacts.

In March, 2007, Secretary of the Executive Office of Energy and Environmental Affairs Ian A. Bowles certified that Cape Wind's environmental impact report on the proposed transmission lines adequately and properly complied with the statutory requirements of the Massachusetts Environmental Policy Act. At that time, Secretary Bowles noted that Cape Wind's impact on reducing greenhouse gas emissions was the equivalent of removing 175,000 cars off the road each year.

In 2005, the Massachusetts Energy Facilities Siting Board approved Cape Wind's application after a 32-month review that included 2,900 pages of transcripts, 923 exhibits and 50,000 pages of documentary evidence. The Siting Board found that Cape Wind would meet an identified need for electricity and would provide a reliable energy supply for Massachusetts, with a minimum impact on the environment at the least cost. The Siting Board's approval was later upheld by the Massachusetts Supreme Judicial Court.

Cape Wind officials expect to complete the permitting process by March, 2009.

**Cape Wind's proposal to build America's first offshore wind farm on Horseshoe Shoal would provide three-quarters of the electricity used on Cape Cod and the Islands from clean, renewable energy - reducing this region's need to import oil, coal and gas. Cape Wind will create new jobs, stable electric costs, contribute to a healthier environment, increase energy independence and establish Massachusetts as a leader in offshore wind power. For more information visit [www.capewind.org](http://www.capewind.org).**

# # #



*Cape Wind is developing America's first offshore wind farm on Horseshoe Shoal in Nantucket Sound off the coast of Cape Cod, Massachusetts*

### **IN BRIEF**

**~420 MW**

**130 Wind Turbines**

**Finalizing permitting in first quarter of 2009**

**Operating meteorological tower (wind and sea conditions)**

**Responsive to State and Federal policies promoting renewable energy development**

[www.capewind.org](http://www.capewind.org)



### **INTRODUCTION**

The Cape Wind project is being developed six miles offshore Cape Cod on Horseshoe Shoal in Nantucket Sound. The project was proposed in 2001 and has undergone extensive review during the last eight years. The project is expected to complete permitting in the first quarter of 2009. Once operating, Cape Wind will provide three quarters of the Cape and Islands electricity needs.

### **SITING, DESIGN, ENGINEERING**

The Cape Wind project has the optimal location off the Continental United States. The project location experiences strong winds and is protected by surrounding land, resulting in low wave heights that allow for high availability of the facility.

### **BENEFITS**

**Leadership:** Building the Cape Wind project will open up the estimated 900,000 MW of the United States offshore wind energy potential, more than half of which is located along the Northeast and Mid-Atlantic coasts. Massachusetts will be a leader in a burgeoning technology here in the United States. Cape Wind took the first initiative to bring offshore wind to the United States and is furthest along of any proposed offshore wind farm.

**Economic:** Building Cape Wind will create hundreds of jobs and will make the region more energy independent.

**Clean Energy:** Cape Wind would offset operations of fossil fueled power plants resulting in reduced emissions of air pollution and greenhouse gasses (~ 880,000 tons of CO<sub>2</sub> annually). The Natural Resources Defense Council calls Cape Wind, "the largest single source of supply-side reductions in CO<sub>2</sub> currently proposed in the U.S."

### **COMMUNITY SUPPORT**

Cape Wind has widespread support including (but not limited to) Massachusetts Governor Deval Patrick, the United States Senate Energy Chairman, Greenpeace, Sierra Club, Natural Resources Defense Council, International Brotherhood of Electrical Workers, and an 11,000 member local group focused on supporting Cape Wind: Clean Power Now. Polls show Cape Wind is supported by 86% of Massachusetts residents and 74% of Cape Cod and Islands residents.

## MILESTONES

- November, 2001: Cape Wind files initial permit applications
- November, 2004: U.S. Army Corps of Engineers issues favorable 3,800 page Draft Environmental Impact Statement
- March, 2007: Massachusetts Energy and Environment Secretary approves Cape Wind's Final Environmental Impact Report
- November, 2007: Cape Wind files for Certificate of Environmental Impact and Public Interest with the Massachusetts Energy Facilities Siting Board
- January 2009: Minerals Management Service releases Final Environmental Impact Statement for Cape Wind



**Cape Wind Meteorological Tower**  
Sole operating offshore wind energy met tower in United States

## PERMITTING STATUS

The United States Energy Policy Act of 2005 gave authority over offshore wind projects to the Minerals Management Service (MMS) of the U.S. Department of the Interior. MMS is finalizing its review of the Cape Wind project, while in parallel developing a program for further expansion of offshore renewable energy in the United States. The MMS released a Final Environmental Impact Statement in January of 2009. Permitting is expected to be completed by this spring.

Cape Wind filed for a Certificate of Environmental Impact and Public Interest with the Commonwealth of Massachusetts which, when granted, will include all necessary state and local permits. This process is nearing completion and is expected to be finalized in the first quarter of 2009.

## ABOUT THE COMPANY

Energy Management Inc. (EMI), the parent company of Cape Wind, has successfully developed, owned and operated seven independent power generation facilities representing a significant percentage of New England's installed electric generation capacity. EMI is proud to be known as a developer with a history of building clean, community-friendly power plants.

---

### **Governor of Massachusetts, Deval Patrick:**

*"I view this project as an important symbol of our commitment to clean energy. The Commonwealth has the opportunity to be the world's leader in clean energy and the economic development that will come from that leadership. ... We have work to do as we build a clean energy economy – let's get on with it."*

### **Massachusetts Energy Facilities Siting Board:**

*"The record shows that the wind farm would act as a hedge against risks associated with the availability of natural gas and other fossil fuels... The air quality benefits of the wind farm are significant, and important for Massachusetts and New England."*

### **Massachusetts Energy and Environment Secretary Ian Bowles:**

*"[Cape Wind] is expressly consistent with and will significantly advance the Commonwealth's energy policy goals, and will provide immediate and significant benefits to air quality and energy reliability in Massachusetts and the Northeast... Overall, the Cape Wind Project will contribute to the long-term preservation and enhancement of our environment."*

---

## CONTACT INFORMATION

Cape Wind Associates  
75 Arlington Street, Suite 704  
Boston, MA 02116  
[www.capewind.org](http://www.capewind.org)

Jim Gordon  
President  
617-904-3100 x111  
[jgordon@capewind.org](mailto:jgordon@capewind.org)

Mark Rodgers  
Communications Director  
508-237-6312  
[mark@capewind.org](mailto:mark@capewind.org)

[at a glance](#)
[f.a.q.](#)
[downloads](#)
[videos](#)

Search:

**Cape Wind™**  
 Energy for Life.

[take action!](#)
[stay informed](#)

America's First Offshore Wind Farm on Nantucket Sound

[Home](#)  
[Project Overview](#)  
[FAQS](#)  
[Benefits](#)  
[Supplying Electricity](#)  
[News](#)  
[Supporters](#)  
[How You Can Help](#)  
[About Us](#)  
  
[About Wind Energy](#)  
[Helping our Environment](#)  
[Why Renewable Energy?](#)  
[Teaching Kids](#)  
  
[Downloads](#)  
[Links](#)  
[Top 10](#)

#### Stay-Informed!

Stay informed by email, mail or phone about what's going on with the Cape Wind Project!  
[\[go>>\]](#)

#### Take-Action!

**IT'S EASY!** [Click here](#) to generate an email, letter or fax to be sent to your State Representatives to let them know you support clean energy!  
[\[go>>\]](#)

### Cape Wind Scientific Monitoring Station ~ Current Conditions

In preparation for America's first offshore wind farm, - capable of powering on average three-quarters of the Cape and Islands with clean, renewable energy - Cape Wind has erected a meteorological data tower on Horseshoe Shoal, in Nantucket Sound. As part of our continued commitment to the community we are providing current weather and sea conditions to the public.

### Current Conditions

Last updated: **Fri Jan 16 08:51:04 2009 EDST** • Wind speed, direction and gust, air temperature and pressure are updated every 10 minutes.

***We have gathered all of the sea temperature, current, and wave data we need for the design and engineering of the wind farm. We have removed the equipment from the sea bed and will no longer be posting these data on the website. We will continue to post the wind, pressure, and air temperature data on our website as well as the potential output of the wind farm and emissions reductions.***

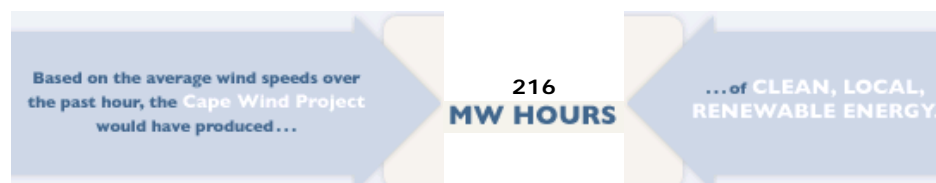
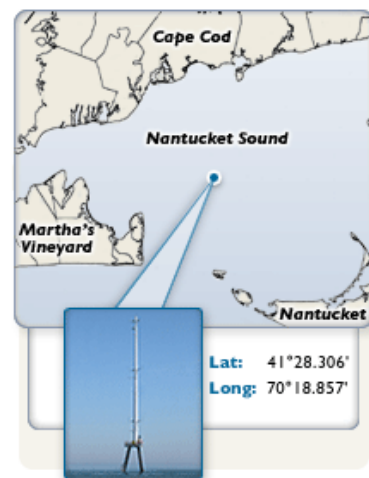
The information at this website is provided for informational purposes only. Please see [full disclaimer](#) below.

Wind direction*† (WD):	<b>313 deg</b>
Wind speed* (WS):	<b>12 knots</b>
Wind gust* (WG):	<b>16 knots</b>
Barometric pressure** (BP):	<b>1031.0 mb</b>
Air temperature** (AT):	<b>15.6 ° F</b>

\* Reading taken at 20 meters above mean sea level

\*\* Reading taken at 10 meters above mean sea level

† Wind, current and wave direction is in degrees clockwise from true North



Power output is based on wind speed at 75 meters above surface.

The average electric demand of the Cape & Islands is 230 MW [from NSTAR].

If Cape Wind were running today, we would be offsetting emissions from other regional

sources of electricity. Exactly which fuel source we will offset is difficult to quantify because the "mix" of energy sources being utilized by the grid is based upon non-public price information and varies from hour to hour. However, over the past hour, generating the same amount of energy from oil, coal or natural gas would have created the following estimated emissions.

	OIL (lbs/hour) <sup>1</sup>	COAL (lbs/hour) <sup>2</sup>	GAS (lbs/hour) <sup>3</sup>
SO <sub>2</sub>	2,079	2,360	3
NO <sub>x</sub>	519	758	12
CO <sub>2</sub>	368,220	420,204	165,699

<sup>1</sup> Oil emission rates for NO<sub>x</sub>, SO<sub>2</sub> and CO<sub>2</sub> taken from EPA eGRID emission database for Canal Electric for 2000

<sup>2</sup> Coal emission rates determined from EPA eGRID

<sup>3</sup> Gas Emission factors taken from permits issued for Exelon facilities (formerly owned by Sithe Energy) at Everett and Weymouth. CO<sub>2</sub> from Ramapo Energy Project analysis

[Click here](#) to learn more about our energy supply.

[Click here](#) to learn more about the environmental impact of the pollutants listed above.

Please check back frequently to see updated calculations of the wind farm's potential output and emissions offsets.

Previous 12 hours

Date	Hour	WD (deg)	WS (knots)	WG (knots)	BP (mb)	AT (°F)
01/16	8 am	311	15	19	1030.0	15.7
01/16	7 am	294	16	22	1030.0	15.5
01/16	6 am	305	15	19	1030.0	15.4
01/16	5 am	308	16	20	1029.0	15.2
01/16	4 am	309	21	25	1028.0	15.2
01/16	3 am	305	21	26	1028.0	15.4
01/16	2 am	311	22	26	1028.0	15.9
01/16	1 am	312	24	28	1027.0	15.7
01/16	12 am	306	21	24	1027.0	17.4
01/15	11 pm	313	20	23	1027.0	18.2
01/15	10 pm	312	22	26	1026.0	19.5
01/15	9 pm	317	24	29	1025.0	20.5
01/15	8 pm	314	22	25	1025.0	21.0

#### Terms of Use:

THE INFORMATION AT THIS WEBSITE IS PROVIDED BY CAPE WIND ASSOCIATES, LLC FOR INFORMATIONAL PURPOSES ONLY. THE USER ASSUMES THE ENTIRE RISK RELATED TO ITS USE OF THIS DATA. THIS INFORMATION IS PROVIDED "AS IS." NO WARRANTIES ARE MADE BY CAPE WIND ASSOCIATES, LLC WITH RESPECT TO THE ACCURACY OF THIS INFORMATION INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, OR WARRANTIES ARISING BY STATUTE OR OTHERWISE IN LAW OR FROM A COURSE OF DEALING OR USAGE IN TRADE. CAPE WIND ASSOCIATES, LLC WILL NOT

## **Cape Wind Permitting Highlights**

November 15, 2001	Cape Wind files permit application with 17 federal and state agencies, beginning National Environmental Policy Act and Massachusetts Environmental Policy Act reviews
March 6, 2002	US Army Corps of Engineers (USACE) Public Hearing, Boston
March 7, 2002	USACE Public Hearing, Yarmouth
April 30, 2002	USACE & Massachusetts Executive Office of Environmental Affairs both issue “Scope of Work” documents for the Environmental Impact Reviews.
July 2, 2004	MEFSB issues Tentative Decision to approve Cape Wind’s cables, following process of 21 days of evidentiary hearings, 3,000 pages of transcripts, 1000 exhibits filed
November 8, 2004	USACE issues largely favorable Draft Environmental Impact Statement (DEIS), nearly 4,000 pages in length, begins public comment period on DEIS
December 6-12, 2004	USACE holds four public hearing on DEIS, in Boston, and Cape and Islands.
February 24, 2005	DEIS public comment period ends, approx. 5,000 comments submitted
March 8, 2005	Massachusetts Executive Office of Environmental Affairs issues a Certificate of Adequacy on the Draft Environmental Impact Report
May 10, 2005	MEFSB votes to approve Cape Wind transmission cables
October 6, 2005	Minerals Management Service of the US Department of Interior announces it is taking over lead federal agency review role of offshore wind farms, including Cape Wind, due to new authority and jurisdiction it received from Congress in the Energy Policy Act of 2005
May 30, 2006	MMS issues Federal Register Notice seeking public comment on Cape Wind to help MMS prepare their DEIS.
December 18, 2006	The Massachusetts Supreme Judicial Court upholds EFBSB Decision to approve Cape Wind Application, decision had been challenged in court by project opponents.

March 30, 2007 Massachusetts Secretary of Energy and Environmental Affairs Ian Bowles Certifies Cape Wind FEIR.

October 18, 2007 Cape Cod Commission issues procedural denial decision on electric transmission cables claiming they had insufficient time or information. Cape Wind replied the Cape Cod Commission had more time and more information about the electric cables than any Massachusetts Board had ever been given about a cable project.

November 21, 2007 Cape Wind files an Initial Petition with the Massachusetts Energy Facilities Siting Board for a Certificate of Environmental Impact and Public Interest to seek remedy from the October 18 Cape Cod Commission decision.

January 4, 2008 MMS Issues Draft Environmental Impact Statement and begins a public comment period that will be extended through to April 21. MMS holds four Public Hearings in March. MMS receives 42,000 written comments, over 40,000 of which are in support of the project.

July 22, 2008 Cape Wind receives a Permit to Access State Highway and Access Agreement from the Massachusetts Highway Department.

August 15, 2008 Cape Wind receives a 401 Water Quality Certification from the Massachusetts Department of Environmental Protection.

September 17, 2008 Cape Wind receives a License for Use and Occupancy from the Massachusetts Executive Office of Transportation.

November 13, 2008 Cape Wind receives a no jeopardy determination for the Endangered Species Act review by the National Marine Fisheries Service. NMFS reviewed the project impacts on endangered sea turtles and endangered whales.

November 21, 2008 Cape Wind receives a no jeopardy determination for the Endangered Species Act review by the U.S. Fish and Wildlife Service. USFWS reviewed the project impacts on endangered avian species.

December 23, 2008 Massachusetts Department of Environmental Protection grants Cape Wind a Chapter 91 Waterways License.

January 16, 2009 MMS Issues Final Environmental Impact Statement.

**Examples of public comments to the Minerals Management Service on their  
Draft Environmental Impact Statement on Cape Wind, 2008.**

**Approximately 41,000 of the 42,000 written comments submitted support Cape Wind.**

*“Cape Wind is a needed project for the United States to begin to commercialize its vast offshore wind potential. It is logical that MMS issue its first offshore wind lease to a project proposed for a site that enjoys the same characteristics that Europeans have found most conducive to offshore wind development: strong wind resource, shallow water, protection from large ocean storm waves, and reasonable proximity to a robust electric transmission system.”*

**-- Randall Swisher, American Wind Energy Association**

*“Cape Wind is a project that can help catapult New England to becoming a global leader in offshore renewable energy. The Council believes that the development and operations of Cape Wind will create important jobs and spur the development of a larger offshore renewable energy industry that will be an important cornerstone of New England’s clean energy economy.”*

**-- Nick d'Arbeloff, New England Clean Energy Council**

*“The urgency of stopping global warming increases regularly as the drumbeat of scientific studies about the quickening pace of climate change continues. The Cape Wind Project will make an important contribution to the fight against global warming both through its immediate displacement of fossil fuels and by paving the way for great use of offshore wind.”*

**-- Nathanael Greene, Natural Resources Defense Council**

*“Offshore wind is a big step in the right direction and can contribute quickly to a tangible reduction in global warming pollution. In addition, the avoided pollution and health impacts from coal and oil plants and the inherent risk of nuclear power make wind power the picture of true social progress. From local jobs to clean energy, this project is right for America and right for Cape Cod. We urge MMS to come to the decision to permit the Cape Wind Energy project in a timely manner with no unnecessary delays.”*

**-- Katherine Smolski, Greenpeace USA**

*“Clean Power Now is a non-profit grassroots organization based in Hyannis, Massachusetts. Clean Power Now has over 10,000 members whose mission is to inform, educate and empower citizens to support viable renewable energy projects and policies, and to secure their local and regional benefits. We believe the timely development of such projects, in conjunction with energy efficiency and conservation will bring about a clean, healthy environment, improved economy and a more secure, sustainable America. As such, Clean Power Now supports the Cape Wind project.”*

**-- Barbara Hill, Clean Power Now**

*“As the founder and Chief Executive Officer of Cape Air/Nantucket Airlines, the largest air service provider in Southeastern Massachusetts, and as a pilot with 30 years of flying experience around Cape Cod and the islands of Martha’s Vineyard and Nantucket, I wish to state for the record that I agree with the Federal Aviation Administration findings that the Cape Wind Project proposed for Horseshoe Shoal will have no adverse impact on air transportation or navigation in the region.”*

**-- Dan Wolf, Cape Air/Nantucket Airlines**

*“Let’s stop wasting time, and go ahead with Cape Wind, to reduce our dependence on fossil fuels, especially foreign oil, and help clean up the environment, as well as ultimately reducing our energy costs.”*

**-- William Daly, West Yarmouth, MA**

*“This project is the single most important for developing alternative energy in the U.S. today. For many reasons including national security, economic development, and global climate change Cape Wind offers solutions on a scale that is meaningful.” -- David Damroth, Chilmark, MA*

*“Cape Cod needs this project to reduce dependence on coal and oil fired power plants and help stabilize electric rates. The permitting process has been ongoing for 5 or more years and it is now time to move forward with the approval.” -- Raymond Russ, South Chatham, MA*

*“As a thirty years resident of Cape Cod, who is concerned about the environmental and economical viability of the Cape as well as the Earth in general, I encourage you to see past the local obfuscation, delays and shilly-shallying and do what is urgently called for.” -- Steven Oney, West Barnstable, MA*

*“We are facing immediate threats to global warming and we need alternative energy sources that are sustainable now. I have a house on Martha's Vineyard and would be happy to look out on non-polluting sources of energy. Let the wind turbines be built.” -- Anne Mazar, Mendon, MA*

*“I would like to be counted as supporting the Cape Wind project. I live on the Cape and fully support this energy alternative. Nantucket Sound is a wonderful area and I feel the proposed turbines will not detriment its appearance or ecosystem. Please consider the positive impact of this resource in a time where energy cost has become such a burden.” -- Michael McCallum, Pocasset, MA*

*“It is well past the time that this initiative, Cape Wind Energy, should be approved and started...Listen to the people of the state. Listen to the rationale of the project. Please with foresight approve the Cape Wind Project and allow our State to take a place at the forefront of renewable energy.” -- Joseph Masse, South Dennis, MA*

*“In a recent trip to Europe, I was delighted to see the countryside and seas dotted with wind turbines. They were beautiful -- much more so than ugly gas drilling apparatus and mountain top removal in West Virginia for coal. It was sad to return to the US and see the dearth of 21st energy technology. Europe is transitioning rapidly to clean, renewable energy because of increasingly realization of the devastating effects from global warming... Support Cape Wind. Support saving our planet, our one home. We need to set an example to the world, not be dragging our feet in ignorance and egocentricity.” -- Susan Shamel, Bedford, MA*

*“We economists, I am one, perpetually deal in trade-offs, balancing virtues and flaws, costs and benefits. Rarely if ever have I encountered a public policy matter in which the trade-offs were more clear than they are for Cape Wind. In physical, visceral terms, the trade-off is between tall but spindly structures whose full height, even from the nearest point on land, could be covered twice over with the width of a fingertip held at arm's length; and the annual mining, shipping and burning of a quantity of coal or oil large enough to cover the entire playing field of Boston's Fenway Park to more than three times the height of the fabled Green Monster wall in left field. In a world with few true slam-dunks, Cape Wind stands out as one.” -- Charles Komanoff, New York, NY*

*“I live on Martha's Vineyard and I know many of my neighbors are concerned about its potential impact on scenic beauty, tourism and the fishing industry, among other things. Because I shared these concerns and others, I have spent the past year educating myself on the particulars of this project, the current state of energy production and usage in New England and the empirical data available from the offshore oil rigs in the gulf of Mexico and existing wind turbine installations such as can be found offshore in Denmark. To my surprise - and delight - my concerns and objections proved baseless. None of those concerns now trouble me, but the future of our planet, without immediate forward progress in renewable energy generation, troubles me more than ever. I believe this country has a moral obligation to see this project through as the beginning of what I certainly hope will be a profound redirection in our national goals. Please, please, please do everything in your power to get this project approved and launched as soon as is humanly possible. The Earth's future depends on it!” -- Binnie Ravitch, Vineyard Haven, MA*