

**Appendix C:  
Draft EA Comment Matrix and other Draft and Final EA Material**



## NOTICE OF AVAILABILITY

The U.S. Department of Energy (DOE) has prepared a draft Environmental Assessment (EA) to analyze and describe the potential environmental impacts associated with the:

**University of Maine's  
Deepwater Offshore Floating Wind Turbine Testing and  
Demonstration Project  
Gulf of Maine  
DOE/EA 1792**

DOE's Golden Field Office has prepared the EA in accordance with the National Environmental Policy Act (NEPA). The University of Maine is proposing to use Congressionally directed Federal funding from DOE to design, fabricate, and temporarily deploy two 1/3-scale floating wind turbines in the Gulf of Maine, approximately 2 miles south of Monhegan Island. The draft EA is available for review on the following websites:

[http://www.eere.energy.gov/golden/Reading\\_Room.aspx](http://www.eere.energy.gov/golden/Reading_Room.aspx)  
<http://www.nepa.energy.gov>

Public comments on the EA's analysis and results of the environmental impacts of implementing the proposed action will be accepted until **June 9, 2011**. Please mail comments to the **DOE Golden Field Office**, c/o Laura Margason, 1617 Cole Boulevard, Golden, CO 80401, or by email to [laura.margason@go.doe.gov](mailto:laura.margason@go.doe.gov).

Village NetMedia, Inc.  
P O Box 249  
Rockland, ME 04841  
207-594-4401

AFFIDAVIT OF INSERTION

This is to certify that the advertisement for The U.S. Department of Energy (DOE) appeared in the classified section of The Republican Journal in Waldo County and The Herald Gazette in Knox County, State of Maine and also ran online [www.knox.villagesoup.com](http://www.knox.villagesoup.com) and [www.waldo.villagesoup.com](http://www.waldo.villagesoup.com)

5/11/2011 in paper  
5/9/11 – 5/15/11 online

Rubina Gaukhier

(Signed)

Credit Manager

(Title)

Notary Public

Sworn and subscribed before me this 18<sup>th</sup> day of May A.D.2011

Donna J. Culbertson

(Notary Public Signature)

6/10/2011  
(My Commission Expires)

Donna J. Culbertson  
Notary Public  
My Commission Expires:  
June 10, 2011  
Maine

Please include your Notary Seal and/ or Stamp.



## NOTICE OF AVAILABILITY

The U.S. Department of Energy (DOE) has prepared a draft Environmental Assessment (EA) to analyze and describe the potential environmental impacts associated with the:

### **University of Maine's Deepwater Offshore Floating Wind Turbine Testing and Demonstration Project Gulf of Maine (DOE/EA 1792)**

DOE's Golden Field Office has prepared the EA in accordance with the National Environmental Policy Act (NEPA). The University of Maine is proposing to use Congressionally Directed Federal Funding from DOE to design, fabricate, and temporarily deploy two 1/3-scale floating wind turbines in the Gulf of Maine approximately 2 miles south of Monhegan Island. The draft EA is available for review on the following websites:

[http://www.eere.energy.gov/golden/Reading\\_Room.aspx](http://www.eere.energy.gov/golden/Reading_Room.aspx)  
<http://www.nepa.energy.gov>

Public comments on the EA's analysis and results of the environmental impacts of implementing DOE's proposed action will be accepted until **June 9, 2011**. Please mail comments to the **DOE Golden Field Office**, c/o Laura Margason, 1617 Cole Boulevard, Golden, CO 80401, or by email to [laura.margason@go.doe.gov](mailto:laura.margason@go.doe.gov).



## NOTICE OF AVAILABILITY

The U.S. Department of Energy (DOE) has prepared a draft Environmental Assessment (EA) to analyze and describe the potential environmental impacts associated with the:

### **University of Maine's Deepwater Offshore Floating Wind Turbine Testing and Demonstration Project Gulf of Maine (DOE/EA 1792)**

DOE's Golden Field Office has prepared the EA in accordance with the National Environmental Policy Act (NEPA). The University of Maine is proposing to use Congressionally directed Federal funding from DOE to design, fabricate, and temporarily deploy two 1/3-scale floating wind turbines in the Gulf of Maine approximately 2 miles south of Monhegan Island. The draft EA is available for review on the following websites:

[http://www.eere.energy.gov/golden/Reading\\_Room.aspx](http://www.eere.energy.gov/golden/Reading_Room.aspx)  
<http://www.nepa.energy.gov>

Public comments on the EA's analysis and results of the environmental impacts of implementing DOE's proposed action will be accepted until **June 9, 2011**. Please mail comments to the **DOE Golden Field Office**, c/o Laura Margason, 1617 Cole Boulevard, Golden, CO 80401, or by email to [laura.margason@go.doe.gov](mailto:laura.margason@go.doe.gov).



## NOTICE OF AVAILABILITY

The U.S. Department of Energy (DOE) has prepared a draft Environmental Assessment (EA) to analyze and describe the potential environmental impacts associated with the:

### **University of Maine's Deepwater Offshore Floating Wind Turbine Testing and Demonstration Project Gulf of Maine (DOE/EA 1792)**

DOE's Golden Field Office has prepared the EA in accordance with the National Environmental Policy Act (NEPA). The University of Maine is proposing to use Congressionally directed Federal funding from DOE to design, fabricate, and temporarily deploy two 1/3-scale floating wind turbines in the Gulf of Maine approximately 2 miles south of Monhegan Island. The draft EA is available for review on the following websites:

[http://www.eere.energy.gov/golden/Reading\\_Room.aspx](http://www.eere.energy.gov/golden/Reading_Room.aspx)  
<http://www.nepa.energy.gov>

Public comments on the EA's analysis and results of the environmental impacts of implementing DOE's proposed action will be accepted until **June 9, 2011**. Please mail comments to the **DOE Golden Field Office**, c/o Laura Margason, 1617 Cole Boulevard, Golden, CO 80401, or by email to [laura.margason@go.doe.gov](mailto:laura.margason@go.doe.gov).



## NOTICE OF AVAILABILITY

The U.S. Department of Energy (DOE) has prepared a draft Environmental Assessment (EA) to analyze and describe the potential environmental impacts associated with the:

### **University of Maine's Deepwater Offshore Floating Wind Turbine Testing and Demonstration Project Gulf of Maine (DOE/EA 1792)**

DOE's Golden Field Office has prepared the EA in accordance with the National Environmental Policy Act (NEPA). The University of Maine is proposing to use Congressionally directed Federal funding from DOE to design, fabricate, and temporarily deploy two 1/3-scale floating wind turbines in the Gulf of Maine approximately 2 miles south of Monhegan Island. The draft EA is available for review on the following websites:

[http://www.eere.energy.gov/golden/Reading\\_Room.aspx](http://www.eere.energy.gov/golden/Reading_Room.aspx)  
<http://www.nepa.energy.gov>

Public comments on the EA's analysis and results of the environmental impacts of implementing DOE's proposed action will be accepted until **June 9, 2011**. Please mail comments to the **DOE Golden Field Office**, c/o Laura Margason, 1617 Cole Boulevard, Golden, CO 80401, or by email to [laura.margason@go.doe.gov](mailto:laura.margason@go.doe.gov).

<u>Company</u>	<u>Title</u>	<u>Department</u>	<u>Last</u>
Aroostook Band of Micmacs	Tribal Chief		Higgins
Bureau of Parks and Lands			Prichard
Conservation Law Foundation		Maine Advocacy Center	Mahoney
Department of Economic and Community Development			Trafton
Federal Aviation Administration		FAA National Headquarters	Edgett-Baron
Federal Emergency Management Agency			Sullivan
Governor's Office of Energy Independence & Security			Puser
Governor's Office of Energy Independence & Security			Kerry
Gulf of Maine Lobster Foundation, Inc.			Pelletier
Houlton Band of Maliseet Indians	Tribal Chief		Commander
Island Institute			Conkling
Land Use Regulation Commission		Maine Department of Conservation	Todd
Maine Audubon Society			Koffman
Maine Coast Heritage Trust			Ireland
Maine Department of Environmental Protection	Acting Commissioner		Nagusky
Maine Department of Inland Fisheries & Wildlife			Timpano
Maine Department of Marine Resources			Mercer
Maine Department of Marine Resources			Lapointe
Maine Department of Marine Resources		Bureau of Sea Run Fisheries and Habitat	Keliher
Maine Geological Survey		Maine Department of Conservation	Dickson
Maine Historic Preservation Commission			Shettleworth, Jr.
Maine Island Trail Association			Welch
Maine Lobsterman's Association, Inc.	Executive Director		McCarron
Maine Natural Areas Program		Department of Conservation	Docherty
Maine Port Authority			Henshaw
Maine State Planning Office	Acting Director		Glidden
Maine State Planning Office		Maine Coastal Program	Leyden
Monhegan Plantation Board of Assessors		Monhegan Town Office	Cash
Monhegan Plantation Power District			Thomson
National Park Service		Northeast Region, U.S. Custom House	Reidenbach
Natural Resources Council of Maine			Didishiem
NOAA Fisheries		National Marine Fisheries Service, Northeast Region	Higgins
NOAA Fisheries		National Marine Fisheries Service, Maine Field Station	Murphy
NOAA Fisheries	Assistant Regional Administrator for Protected R	National Marine Fisheries Service, Northeast Regional O	Colligan
NOAA Fisheries		National Marine Fisheries Service, Northeast Regional O	Colosi
Office of the Governor			Tilberg
Passamaquoddy Tribe at Indian Township	Tribal Governor		Nichols
Passamaquoddy Tribe at Pleasant Point	Tribal Governor		Phillips-Doyle
Penobscot Bay Watch			Huber
Penobscot Indian Nation	Tribal Chief		Francis
Public Utilities Commission			Tannenbaum
Sierra Club - Maine Chapter			Woodsum
The Lobster Conservancy			Cowan
The Nature Conservancy			Vickery
U.S. Army Corps of Engineers		Maine Field Office	Clement
U.S. Coast Guard	Commander, Sector Northern NE		McPherson
U.S. Coast Guard		Energy/Facilities Branch, First Coast Guard District	Beck
U.S. Department of the Interior		Office of the Solicitor	Hirschman

U.S. Department of the Interior		Office of the Solicitor, Northeast Region	Tittler
U.S. Department of the Interior, Bureau of Indian Affairs, Regional Office		Eastern Region, BIA	Kardatzke
U.S. Department of the Navy	Director, Environmental Planning & Conservation Policy ODASN (E)		Egeland
U.S. Environmental Protection Agency		Office of Environmental Review	Timmermann
U.S. Fish and Wildlife Service			Fefer
U.S. Fish and Wildlife Service		Maine Field Office	Nordstrom
U.S. Fish and Wildlife Service		Regional Office	Moriarty
U.S. Fish and Wildlife Service	Field Supervisor	Maine Field Office	Zicari
Citizen			Caldwell
Citizen			Falcone
Citizen			Taber

<u>First</u>	<u>Address Line 1</u>	<u>Address Line 2</u>	<u>City</u>	<u>State</u>	<u>Zip Code</u>
Victoria	7 Northern Road		Presque Isle	ME	04769
Dan	18 Elkins Lane		Augusta	ME	04333-0022
Sean	14 Maine Street		Brunswick	ME	04011-2026
Thaxter R.	59 Statehouse Station		Augusta	ME	04333-0059
Sheri	800 Independence Ave, SW	Room 400 East	Washington	DC	20591
Jack	99 High Street	Sixth Floor	Boston	MA	02110
Jennifer	22 Statehouse Station		Augusta	ME	04333
John M.	23 Statehouse Station		Augusta	ME	04333
Erin	P.O. Box 523		Kennebunk	ME	04043
Brenda	88 Bell Road		Littleton	ME	04730
Philip	386 Main Street	P.O. Box 648	Rockland	ME	04841-0648
Fred	19 Elkins Lane		Augusta	ME	04333-0023
Ted	20 Gilsland Farm Road		Falmouth	ME	04105
Thomas	1 Bowdoin Mill Island	Suite 201	Topsham	ME	04086
Beth	28 Tyson Drive	17 State House Station	Augusta	ME	04333-0017
Steve	284 State Street	41 State House Station	Augusta	ME	04333-0041
Linda	194 McKown Point Road	P.O. Box 8	West Boothbay Ha	ME	04575
George	21 State House Station		Augusta	ME	04333
Patrick	172 State House Station		Augusta	ME	04333-0021
Stephen	Williams Pavilion	17 Elkins Lane	Augusta	ME	04333-0022
Earle	55 Capitol Street	65 State House Station	Augusta	ME	04333-0065
Doug	58 Fore Street		Portland	ME	04101-4849
Patrice	21 Western Avenue	Suite 1	Kennebunk	ME	4043
Molly	17 Elkins Lane		Augusta	ME	04333-0093
John H.	16 State House Station		Augusta	ME	04333-0016
Tim	184 State Street	38 State House Station	Augusta	ME	04333
Kathleen	187 State Street		Augusta	ME	04333
Chris	260-A Monhegan Ave.,	PO Box 322	Monhegan	ME	04852
Mathew	P.O. Box 127		Monhegan	ME	04852
Dennis	200 Chestnut Street	Fifth Floor	Philadelphia	PA	19106
Pete	3 Wade Street		Augusta	ME	04330
John	69 Pemaquid Harbor Rd.		Pemaquid	ME	04558
Jeff	17 Godfrey Drive	Suite 1	Orono	ME	04473
Mary	55 Great Republic Drive		Gloucester	MA	01930
Peter	56 Great Republic Drive		Gloucester	MA	01930
Karen	1 State House Station		Augusta	ME	04333-0001
William	PO Box 301		Princeton	ME	04668
Richard	PO Box 343		Perry	ME	04667
Ron	PO Box 1871		Rockland	ME	04841
Kirk	12 Wabanaki Way		Indian Island	ME	04668
Mitchell	18 Statehouse Station		Augusta	ME	04333
Karen	44 Oak St	Suite 301	Portland	ME	04101
Diane	P.O. Box 235		Friendship	ME	004547-0235
Barbara	14 Maine Street		Brunswick	ME	04011
Jay	675 Western Ave, #3		Manchester	ME	04351
Captain James B.	259 High St.		South Portland	ME	04106
Ron	408 Atlantic Avenue		Boston	MA	02110
Daniel S.	1849 C Street, N.SW.	#MS6556	Washington	DC	20240-0001

Andrew	One Gateway Center	Suite 612	Newton	MA	02158
Dr. James T.	545 Marriott Dr.	Suite 700	Nashville	TN	37214
Tom	1000 Navy Pentagon		Washington	DC	20350-1000
Timothy	5 Post Office Square	Suite 100	Boston	MA	02109-3912
Stewart	4R Fundy Road		Falmouth	ME	04105
Lori	1168 Main Street		Old Town	ME	04468
Marvin	300 Westgate Center Drive		Hadley	MA	01035-9589
Laury	17 Godfrey Drive	Suite #2	Orono	ME	04473
Edie	<a href="mailto:edie@edithcaldwell.com">edie@edithcaldwell.com</a>		Rockport	ME	
Lurena V.	9E ED Christine Drive		Stroudsburg	PA	18360
Tristan	tstaber28@gmail.com				

**Responses to Comments on the Draft EA for the University of Maine Deepwater Offshore Floating Wind Turbine Testing and Demonstration Project**

<b>Commenter</b>	<b>Comment</b>	<b>DOE Response</b>
Tristan Taber	As a resident of Maine, he is against the proposed development of offshore wind turbines in the Monhegan Bay area.	Comment noted.
Lurena Falcone	Please remember the importance of this area to the health and well-being of our planet and its wildlife.	Comment noted. The EA addresses the potentially affected aspects of the ecosystem and human environment. The EA includes an evaluation of impacts to all wildlife that may use the area.
Penobscot Bay Watch	The University seems content to hold that there is no necessity to consider any impacts beyond such immediate and short term impacts to resources they have been identified as being within the footprint and view shed of the proposed marine wind power research center.	The DOE discusses possible future commercial scale wind energy projects in Section 4, Cumulative Impacts. The Maine Public Utilities Commission has released a request for proposals (September 2010) for a 25-megawatt wind farm to be located at least 10 nautical miles offshore of any land, including islands, and in waters at least 300 feet deep. It is unknown whether this project will be built, and if built, construction would occur after the proposed project (two one-third scale wind turbines at Monhegan Island) has been removed. Therefore any associated effects do not represent cumulative effects for the UMaine project evaluated in this EA and for these reasons the potential 25-megawatt project is not included in the cumulative effects analysis for this project.
Penobscot Bay Watch	This causes the Environmental Assessment to be inadequate because it fails to address the most important, most fundamental questions raised by the proposal: what are the likely climate changing effects of interfering with the Eastern Maine Coastal Current's flow and flow rate by positioning windmills, as planned, within its pathway in the Gulf of Marine?	As stated in Section 2.2.1 of the EA, the primary objective of the proposed project is the testing of one-third scale floating wind turbines to obtain motion and structural response data to compare and validate numerical models developed by the NREL that predict how the turbines and supporting platforms would perform under various meteorological and oceanographic conditions. An experimentally validated numerical model would aid in the development of floating platform technology for offshore wind energy. Section 1021.212 of the DOE NEPA Implementing Procedures (10 CFR Part 1021) specifically

		addresses the NEPA review requirements for programs involving research, development, demonstration, and testing of new technologies that may lead to commercialization or other broad-scale implementation by DOE. Section 1021.212(b) states that DOE shall begin its NEPA review as soon as environmental effects can be meaningfully evaluated. Until the deepwater floating wind turbine technology has been sufficiently developed for commercial application and specific projects have been proposed, impacts cannot be fully evaluated. Section 1021.212(c) states DOE shall prepare one or more additional NEPA documents for subsequent phases of program development and application. Those potential types of impacts, if applicable, would be evaluated in NEPA documents for specific projects.
Penobscot Bay Watch	It does not pass the straight face test for the University of Maine to pretend that the completely predictable impacts of the utility scale ocean windfarms it proposes to build following and based on preparation of these prototypes need not be considered at this stage. It is to feign that there is no possible connection between the prototype and the full scale device that is the reason for building the prototype.	DOE fully acknowledges in Section 1.3.1 and 1.3.2 of the EA that the floating wind turbine prototypes are meant to develop offshore wind energy technologies and that the prototypes would help the design and optimization of floating turbines. However, the University of Maine has not proposed any specific plans for a utility scale wind farm as the floating turbine technology is still being evaluated. Per DOE NEPA regulations (Section 1021.212(b)) environmental impacts of any follow-on program from a testing and demonstration program would occur when the impacts can be meaningfully evaluated (i.e., a site and technology has been selected).
Penobscot Bay Watch	The Department of Energy need to work with the University of Maine to develop either a supplemental Environmental Assessment or an Environmental Impact Statement to deal with the predictable and connected offsite and indirect and cumulative impacts stemming from the proposed DeepCwind project that is requesting funding from the Department of Energy. Anything else is a mockery of the NEPA process and serves only political haste, not scientific certainty	Potential impacts of any follow-on program (e.g., utility scale wind farm) that uses the technology evaluated in the proposed project would be evaluated through the NEPA process when those programs have been proposed and designed. This approach is consistent with DOE NEPA implementing procedures for research, development, demonstration, and testing programs. Therefore, DOE is not considering developing a supplemental EA or Environmental Impact Statement to address the impacts of

		any future utility scale deepwater wind energy project that could be developed given the technology developed in the one-third scale studies.
Maine State Historic Preservation Office	Our office has reviewed the draft EA for the above project and find the language, especially the archaeology site language okay as written and correct.	Comment noted
National Marine Fisheries Service	NMFS recommends the proposed monitoring plan to include an assessment of benthic impacts resulting from anchor placement and configuration (i.e., anchor line scour), as well as assess recovery of EFH once the mooring system is removed.	The UMaine Deepwater Offshore Wind Test Site Fish and Wildlife Monitoring Plan (UMaine 2011) includes video assessment and monitoring of benthic and demersal species with drop camera surveys that can also be used to assess impacts of anchor placement and configuration (i.e., anchor line scour).
U.S. Fish and Wildlife Service	We recommend that the University of Maine conduct a monitoring program to document movements of piping plovers, roseate terns, and other shorebirds, seabirds, and bats in the test site when the turbines are deployed as an integral part of their part of their research program.	In consultation with the USFWS and other agencies, UMaine has added acoustic monitoring for bats and birds and visual boat-based monitoring of birds to their fish and wildlife monitoring plan (see Section 2.6.2 under Applicant-Committed Measures).
U.S. Fish and Wildlife Service	We also recommend the University develop a brief Avian and Bat Protection Plan to explain post-construction bird and bat studies, monitoring for mortality, and adaptive measures that will be taken if these studies indicate there are potential adverse effect to federally listed species and migratory birds and bats.	The Fish and Wildlife Monitoring Plan developed in coordination with resource agencies contains the essential elements of an Avian and Bat Protection Plan and there is no value in developing an additional plan (UMaine 2011). Section 3 states that monitoring data along with any recommendations for modifying the facilities to minimize effects will be included in reports to the MDEP (draft report will be reviewed by resource agencies). Section 6 addresses the identification and implementation of remedial measures if adverse changes to fish and other wildlife behavior are identified.