Commonwealth of Massachusetts
Executive Office of Environmental Affairs ■ MEPA Office

ENF Environmental Notification Form

For Office Use Only *Executive Office of Environmental Affairs*
EOEA No.: 12994
MEPA Analyst: Arthur Podolsky
Phone: 617-626-1029

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Falmouth Wind Turbine Generators		
Street: NA		
Municipality: Falmouth	Watershed: Cape Cod	
Universal Transverse Mercator Coordinates: Zone:19, easting (m): 358819, northing (m): 4602414	Latitude: **41°33'39"39** Longitude: **-70°41'35"16**	
Estimated commencement date: 3/15/05	Estimated completion date: 9/15/06	
Approximate cost: $27,000,000	Status of project design: 60%complete	
Proponent: Winergy, LLC		
Street: 640 Montauk Highway		
Municipality: Shirley	State: NY	Zip Code: 11967-1124
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Richard Podolsky, PhD.		
Firm/Agency: Technology Planning and Management Corp.	Street: Mill Wharf Plaza, Suite 208	
Municipality: Scituate	State: MA	Zip Code: 02066
Phone: 781-545-1346	Fax: 781-544-3086	E-mail: richard.podolsky@tpmc.com

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
☒Yes Chapter 91 ☐No

Has this project been filed with MEPA before?
☐Yes (EOEA No._____) ☒No

Has any project on this site been filed with MEPA before?
☐Yes (EOEA No._____) ☒No

Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:

a Single EIR? (see 301 CMR 11.06(8))	☐Yes	☒No
a Special Review Procedure? (see 301CMR 11.09)	☐Yes	☒No
a Waiver of mandatory EIR? (see 301 CMR 11.11)	☐Yes	☒No
a Phase I Waiver? (see 301 CMR 11.11)	☐Yes	☒No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): **None**

Are you requesting coordinated review with any other federal, state, regional, or local agency?
☒Yes(Specify: U. S. Army Corps of Engineers, Cape Cod Commission) ☐No

List Local or Federal Permits and Approvals: Corps of Engineers (Section10), *FERC*, FAA,

FEMA, Cape Cod Commission, Falmouth Conservation Commission, **Municipal Permits**

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- ☐ Land
- ☐ Water
- ☐ Energy
- ☐ ACEC
- ☐ Rare Species
- ☐ Wastewater
- ☐ Air
- ☐ Regulations
- ☒ Wetlands, Waterways, & Tidelands
- ☐ Transportation
- ☐ Solid & Hazardous Waste
- ☐ Historical & Archaeological Resources

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage	3200		
New acres of land altered		0.4	
Acres of impervious area		0.03	0.03
Square feet of new bordering vegetated wetlands alteration		0	
Square feet of new other wetland alteration		0	
Acres of new non-water dependent use of tidelands or waterways		3.5	
STRUCTURES			
Gross square footage	0	1355	1355
Number of housing units	0	0	0
Maximum height (in feet)	0	350 ft.	350 ft.
TRANSPORTATION			
Vehicle trips per day	0	0	0
Parking spaces	0	0	0
WATER/WASTEWATER			
Gallons/day (GPD) of water use	0	0	0
GPD water withdrawal	0	0	0
GPD wastewater generation/ treatment	0	0	0
Length of water/sewer mains (in miles)	0	0	0

State Permits & Approvals

- ☒ Order of Conditions
- ☐ Superseding Order of Conditions
- ☒ Chapter 91 License
- ☐ 401 Water Quality Certification
- ☐ MHD or MDC Access Permit
- ☐ Water Management Act Permit
- ☐ New Source Approval
- ☐ DEP or MWRA Sewer Connection/ Extension Permit
- ☒ Other Permits (*including Legislative Approvals*) – Specify:

MA DTE, EFSB, CZM Consistency Review, ISO New England

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

☐Yes (Specify_____) ☒No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

☐Yes (Specify_____) ☒No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

☐Yes (Specify_____) ☒No

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

☐Yes (Specify_____) ☒No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

☐Yes (Specify_____) ☒No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

☐Yes (Specify_____) ☒No

PROJECT DESCRIPTION: The project description should include **(a)** a description of the project site, **(b)** a description of both on-site and off-site alternatives and the impacts associated with each alternative, and **(c)** potential on-site and off-site mitigation measures for each alternative (*You may attach one additional page, if necessary.*)

The Falmouth Wind Power Site will include 10 wind turbine generators (WTG) rated at 1.8 MW each. The total generating capacity of the site will be 18 MW. The power will be conveyed to shore through a submarine cable. Once on land the power will be carried through a conventional cable to the switchyard where it will be connected to the grid. Winergy, LLC will install, maintain, and operate the wind turbine generators, power cable, and associated facilities.

Each WTG will be mounted on a monopile foundation that will be constructed using a pile driver mounted on a jack-up barge. Pile inclination will be controlled using an adjustable sleeve. A second barge will be required to transport pile sections and to assist in upending and positioning the pile sections. Once the foundation pile is in place the monopole will be erected using a gin pole to align the sections. Monopole and platform erection will be supported from barges. Bottom conditions will be evaluated during final design and scour protection will be placed as needed to protect the pile bases. The submarine cable will be placed approximately 6 ft. below the seabed using a jet plow. The cable may be buried up to 13 ft. if necessary to protect the cable, such as in areas where other projects may require dredging. Once on land the power line will be installed on land using conventional techniques.

The WTGs will be installed in Buzzards Bay and the run through the bay to Falmouth and then overland to a substation in Falmouth. The locations of the WTGs and cable are shown on the attached figures.

Wind power is the only viable alternative for generating power offshore. Power generation alternatives on land include WTGs, fossil fueled power stations, and solar panels. Generating 18 MW on land using WTGs does not appear feasible because of the large site that would be required for a single WTG array. The alternative of using ten widely scattered sites would be very difficult to manage and is likely to be very expensive. Solar panels are very expensive and are not a technically feasible alternative for generating 18 MW. Fossil fueled power stations also require large sites, contribute to air pollution, and consume none renewable energy. All of the on land alternatives have land use, esthetic, and ecological impacts.