

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs
 EOE No.: 13889
 MEPA Analyst: Anne Canada
 Phone: 617-626-1035

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: Stony Brook Energy Center – Phase II		
Street: Moody Street		
Municipality: Ludlow	Watershed: Chicopee	
Universal Transverse Mercator Coordinates: UTM18 (NAD83) 705577 E; 4674869 N	Latitude: 42°11'56"	Longitude: 72°30'34"
Estimated commencement date: 7/1/2008	Estimated completion date: 7/1/2010	
Approximate cost: \$220,000,000.00	Status of project design: 10%	%complete
Proponent: Massachusetts Municipal Wholesale Electric Company (MMWEC)		
Street: Moody Street, P.O. Box 426		
Municipality: Ludlow	State: MA	Zip Code: 01056
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Sharon LaMothe, Administrative Assistant		
Firm/Agency: MMWEC	Street: P.O. Box 426	
Municipality: Ludlow	State: MA	Zip Code: 01056-0426
Phone: (413) 589-0141 X288	Fax: (413) 589-1585	E-mail: slamothe@mmwec.o

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes 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. 1102) 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 301 CMR 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):

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

List Local or Federal Permits and Approvals: Ludlow Planning Board Site Plan Approval, Springfield Water and Sewer Commission Industrial Discharge Permit, USEPA Prevention of Significant Deterioration Permit, FAA Approval for Stack and construction cranes, possible Notice of Intent, local building permit, storm water discharge permit.

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

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Land | <input checked="" type="checkbox"/> Rare Species | <input type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input checked="" type="checkbox"/> Water | <input checked="" type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Energy | <input checked="" type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input checked="" type="checkbox"/> New Source Approval <input checked="" type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify: Office of State Fire Marshall – Permit for a tank of capacity >10,000 Gallons, EFSB Approval.</i> Power Plant Personnel only Does not include construction (Loss of some parking spaces expected) <u>Estimated Daily Average</u> No Direct Withdrawal from surface waters or wells <u>Average</u> <u>On Site</u>
Total site acreage	417			
New acres of land altered		10		
Acres of impervious area	47	7.7	54.7	
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		0		
STRUCTURES				
Gross square footage	170,000	150,000	320,000	
Number of housing units	N/A	N/A	N/A	
Maximum height (in feet)	150	0	150	
TRANSPORTATION				
Vehicle trips per day	22	4	26	
Parking spaces	63	-18	45	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	277,000	1,113,000	1,390,000	
GPD water withdrawal	0	0	0	
GPD wastewater generation/ treatment	27,200 GPD	103,200 GPD	130,400 GPD	
Length of water/sewer mains (in miles)	0.5	0.1	0.6	

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: Project is near Priority Habitat 877 _____) 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 Project is a 280 megawatt (MW) (nominal) natural gas and #2 distillate-oil fired combined cycle energy facility that will supply electricity into the New England Power Pool (ISO) system. Since it will generate more than 100 MW of electricity, it is categorically included and requires an EIR. The facility will consist of a single General Electric Frame 7FB (or equivalent) Combustion Turbine/Generator with exhaust stack, a heat recovery steam generator as well as a separate steam turbine with an electric generator and all of the necessary ancillary equipment. The plant will be fueled with natural gas, obtained via an existing on site (extended) gas pipeline and compressed to approximately 500 psi. The Turbine will also burn #2 Ultra Low Sulfur Diesel Fuel obtained from 2 tanks currently existing on site or from a third tank to be constructed as part of this project..

Electrical output from the facility will be supplied to the power grid via an existing switchward and an existing 5.2-mile MMWEC 345 kV transmission line.

To mitigate air pollution, the facility will be designed to meet Lowest Achievable Emission Rate and Best Available Control Technology standards, including the use of selective catalytic reduction (SCR) for oxides of nitrogen (NOx) and an oxidation catalyst for Carbon Monoxide (CO).

The facility will utilize wet cooling via a mechanical induced draft cooling tower. It is expected that water will be supplied by the Springfield Water & Sewer Commission utilizing an existing

on site (extended) 24-inch water main that currently feeds the Stony Brook Power Plant. Wastewater will be discharged into the municipal system (also operated by the Springfield Water & Sewer Commission) via an existing sewer interconnect which will be extended approximately 300 feet to the new facility. On-site pretreatment (neutralization) will be performed prior to discharge.

The MMWEC site consists of approximately 417 acres (of which, approximately 312 acres are within an existing fence line) of industrially zoned property which is currently used for the MMWEC corporate offices and the 530 MW (gross) existing Stony Brook Power Plant. Approximately 10 acres will be used for the footprint of the new facility and ancillary structures. It is expected that direct wetland impacts will be avoided by the facility footprint. MMWEC will work with the town to ensure that the location of the facility best utilizes site conditions to minimize impacts to the environment, neighbors and the community.

Since the facility is being proposed on a large industrial site with an existing power generating facility with all of the necessary infrastructure, it is expected that the impacts will be much less than any other off site alternative. However, MMWEC has performed a review of three alternate sites within the Commonwealth of Massachusetts. These alternate sites and their relative ranking will be discussed in greater detail in the DEIR.

Alternate locations for the proposed facility on site are also being considered. The DEIR will include a discussion of possible alternate project locations for the MMWEC site.