

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs

EOEA No.: 14077
 MEPA Analyst: Bill GAGE
 Phone: 617-626-1025

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: <i>IPA Milford Expansion Project</i>		
Street: <i>108 National Street</i>		
Municipality: <i>Milford, MA 01757</i>	Watershed: <i>Charles</i>	
Universal Transverse Mercator Coordinates: <i>UTM Zone 19</i> <i>UTM X (Meters): 292360</i> <i>UTM Y (Meters): 4666994</i>	Latitude: <i>42.1295°N</i> Longitude: <i>71.5121°W</i>	
Estimated commencement date: <i>1st quarter 2009</i>	Estimated completion date: <i>2nd quarter 2010</i>	
Approximate cost: <i>\$100 million</i>	Status of project design: <i>10% complete</i>	
Proponent: <i>IPA Charles, LLC</i>		
Street: <i>62 Forest Street, Suite 102</i>		
Municipality: <i>Marlborough</i>	State: <i>MA</i>	Zip Code: <i>01752</i>
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Name: <i>Tricia Foster</i>		
Firm/Agency: <i>AMEC Earth & Environmental, Inc</i>	Street: <i>2 Robbins Road</i>	
Municipality: <i>Westford</i>	State: <i>MA</i>	Zip Code: <i>01886</i>
Phone: <i>978-692-9090</i>	Fax: <i>978-692-6633</i>	E-mail: <i>tricia.foster@amec.com</i>

- 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. 8270) 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): *The Expansion Project will not require a land transfer or seek funding from an agency of the Commonwealth.*

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

List Local or Federal Permits and Approvals: *EPA NPDES General Permit for Stormwater – construction; Federal Aviation Administration Notice of Proposed Construction or Alteration; Town of Milford Zoning Board of Appeals Special Permit; Town of Milford Planning Board Site Plan Approval.*

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

- | | | |
|--|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Energy | <input 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 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 type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify: Energy Facilities Siting Board Approval to Construct, and Comprehensive Non-Major Air Plan Approval</i>
Total site acreage	7.8 ¹			
New acres of land altered		0.1		
Acres of impervious area	4.8	0.1	4.9	
Square feet of new bordering vegetated wetlands alteration		0.0		
Square feet of new other wetland alteration		0.0		
Acres of new non-water dependent use of tidelands or waterways		0.0		
STRUCTURES				
Gross square footage	73,400 sq ft (approx)	22,560 sq ft (approx)	95,960 sq ft (approx)	
Number of housing units	0	0	0	
Maximum height (in feet)	125	0	125	
TRANSPORTATION				
Vehicle trips per day	20	0	20	
Parking spaces	14	0	14	
WATER/WASTEWATER				
Gallons/day (GPD) of water use (maximum water use)	1,250,000 ²	negligible	1,250,000	
GPD water withdrawal	Included in above	Included in above	Included in above	
GPD wastewater generation/ treatment (maximum to MWTP)	212,000	negligible	212,000	
Length of water/sewer mains (in miles)	0.01/1.0	0/0	0.01/1.0	

¹ Total site acreage includes only the developed portion of the property (see Figure 1).

² Includes sources from Milford Wastewater Treatment Plant (MWTP), Milford Water Company (MWC) and on-site wells.

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 *Based on review of Natural Heritage and Endangered Species Programs (NHESP) mapping information. Confirmation is being sought from U.S. Fish and Wildlife Service (USFWS) and NHESP.*

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 *Confirmation being sought from Massachusetts Historic Commission.*

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.)

IPA Charles, LLC (IPA Charles) is proposing development of an approximately 170 megawatt (MW) net nominal natural gas-fired peak electric generating facility in Milford, Massachusetts (the IPA Milford Expansion Project or the Expansion Project). The proposed Expansion Project would be constructed within the property boundaries of, and adjacent to the existing Milford Power station, a 149 MW baseload power generation plant located at 108 National Street in Milford, Massachusetts (Figures 1 and 2). The proposed Expansion Project would be comprised of a single General Electric (GE) 7FA combustion turbine, or a comparable combustion turbine, operating in simple cycle mode and fired exclusively with natural gas. The Expansion Project is likely to run predominantly during summertime days, but will be licensed to minimize potential restrictions to allow for flexibility to meet demand around the clock and throughout the year. To qualify as a minor modification to the existing Milford Power station's air permit, however, a restriction on the total number of hours of operation will likely be proposed (see Air Quality Section).

A switchyard at the site presently provides interconnection to a 115 kilovolt (kV) electric transmission line and the regional electric transmission grid. This switchyard will be able to accommodate the output of the proposed Expansion Project without upgrades. An approximately 8-mile segment of the existing off-site electric transmission line will be reconductored. No significant pole work or ground disturbance is anticipated, and no change in voltage is proposed. Natural gas supply will be available from the interstate gas pipeline which presently serves the existing Milford Power station. The existing natural gas interconnection will require minor modifications beneath National Street immediately adjacent to the site. No changes in the water supply source or agreements for the existing facility will be required. Currently, the Milford Power station uses effluent from the Milford Wastewater Treatment Plant (MWTP)

for cooling purposes, receives water supplies from the Town of Milford water system for potable needs and boiler makeup, and draws on three on-site wells to supplement these sources when needed. The Expansion Project will require only limited volumes of water (maximum 0.5 gallons per minute [gpm] for service needs [wash waters, etc.]), but will not require any additional volumes for cooling, pollution control or other process needs. In addition, no new staff will be required to operate the Expansion Project, therefore, no additional potable supplies will be required for the Expansion Project. The existing facility discharges sanitary and industrial wastewater to the MWTP. Neither the volumes nor constituents covered by the existing discharge permit (permit# W026546) will need to be altered to accommodate the limited volumes of wastewater generated by the Expansion Project (principally wash waters).

The site for the proposed Expansion Project is the location of the current administration building. The existing administration building would be demolished and replaced on the west side of the existing turbine building. The Milford Power facility site is bounded to the south by industrial development (bottling plant), to the west by the Vernon Grove Cemetery, and to the north by the Milford Water Company Godfrey Brook Wellfield and wooded lands along Godfrey Brook and the Charles River. A CSX rail line divides the site into two segments with the developed portion to the west and an undeveloped area located to the east up to the Charles River. Residential development is located beyond the Charles River to the east, beyond the Vernon Grove Cemetery to the west and north, and to the south beyond the bottling plant.

The proposed Expansion Project will consist of the combustion turbine; air intake filter; continuous emissions monitoring equipment; single exhaust stack (anticipated to be no more than 125 feet tall); step-up and auxiliary transformers; and auxiliary equipment. Some integration with existing systems is anticipated, although the unit will operate independently from the existing facility.

The proposed facilities will be consistent with, and smaller than, the existing Milford Power station facilities. Due to the nature of the site and surrounding areas, only limited views of the top of the existing exhaust stack and some facility structures are currently visible from surrounding areas in most directions; this will also be the case with the new facility.

Alternatives to the proposed Expansion Project location considered by IPA Charles will be fully detailed in the Petition for Approval to Construct to be filed with the Massachusetts Energy Facilities Siting Board. The proposed Expansion Project site is preferable to alternatives considered due to existing infrastructure and the nature of the existing site conditions.