

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR RESOURCES  
NOTICE OF PUBLIC COMMENT PERIOD

The Office of Air Resources offers an opportunity for public comment regarding its proposal to issue a Major Source Permit to Clear River Energy Center. Invenergy Thermal Development LLC proposes to install a combined-cycle electrical power generating facility adjacent to the Spectra Energy Algonquin Compressor Station located along Wallum Lake Road (Route 100) in Burrillville, Rhode Island.

While the overall decision on siting and constructing the facility rests with the Energy Facility Siting Board (EFSB), the decision on the air permit stays with DEM per RI State Law and is not connected to or sequenced with the EFSB.

The proposed project will consist of two General Electric Model 7H.02 combustion turbines and associated heat recovery steam generators (HRSGs). The combustion turbine will be fired with natural gas as the primary fuel and ultra-low sulfur diesel (ULSD) as a back-up fuel. The hot flue gases from each combustion turbine pass through the associated heat recovery steam generator (HRSG) to generate steam. The steam produced by the HRSGs will be used to power a single steam turbine. The combined-cycle generating station will have an overall rated capacity of 1080 megawatts (MW) while firing with natural gas and 966 MW while firing ULSD. ULSD will only be fired during those times when natural gas is unavailable or to maintain system readiness.

Additional sources of air pollution emissions at the site will also include a 140.6 million British Thermal Units (MMBtu) (heat input) auxiliary boiler, a 15 MMBtu (heat input) dew point heater, a 2,682 horsepower (HP) diesel-fired compression ignition internal combustion engine/generator set for emergency purposes, and a 315 HP diesel-fired fire pump engine.

The Office of Air Resources has reviewed Clear River Energy Center's application for a Major Source Permit. The application details the air quality modeling and other analyses performed, as well as the equipment and procedures proposed to be used to comply with applicable state and federal air pollution control rules and regulations. The Office of Air Resources has determined the proposed nitrogen oxide (NOx) emission rate of 2 parts per million, volumetric dry (ppmvd) corrected to 15% oxygen (O2) while firing natural gas and 5 ppmvd corrected to 15% O2 while firing ULSD represents the Lowest Achievable Emission Rate (LAER). Clear River Energy Center is required to obtain 337 tons of NOx and 104 tons of volatile organic compound emission offsets in accordance with Air Pollution Control Permits, 250-RICR-120-05-9.

The Office of Air Resources has determined that if the facility is constructed and operated in the manner described in the application, it will comply with applicable state and federal air pollution control rules and regulations. Therefore, the Office of Air Resources is proposing to issue a Major Source Permit to Clear River Energy Center. The Office of Air Resources has prepared a draft permit for public review and comment.

The public comment period for this draft permit will begin Thursday, May 16, 2019 and continue until Monday, July 15, 2019. A public hearing for interested persons to appear and submit written or oral comments on the draft permit will be held prior to the end of the public comment period. A public notice will be published announcing the date, time and location of such hearing.

Written comments, to be considered part of the administrative record, must be submitted during the public comment period. Written comments shall be submitted to the Office of Air Resources by email or at the address below and received no later than 4:00 PM, Monday, July 15, 2019, at which time the public comment period will close.

E-mail address: DEM.InvenergyAirPermit@dem.ri.gov

Mailing address: Department of Environmental Management, Office of Air Resources, 235 Promenade Street, Providence, RI 02908-5767

The permit application, draft Major Source Permit, the Preliminary Determination and a fact sheet are available on our website. Supporting documentation may be viewed during normal business hours (8:30 AM to 4:00 PM) at the Office of Air Resources. Copies of these materials are also available at the Jesse M Smith Memorial Library, 100 Tinkham Lane, Harrisville, RI.

Signed this 9th day of May

Laurie Grandchamp, P.E.,

Administrator, Environmental Protection, Office of Air Resources