

**Public Information Briefing
Stonewall Energy Center
Air Permit Application**

Green Energy Partners/Stonewall LLC has filed an amended application for an Air Permit with the Virginia Department of Environmental Quality Northern Regional Office. The Plant is proposed to be located in Loudoun County, Virginia approximately 4 miles south of the Town of Leesburg between Cochran Mill Road and the Dulles Greenway east of Sycolin Road.

Green Energy Partners/Stonewall LLC has received a unanimous vote from the Loudoun County Board of Supervisors on April 20, 2010 for land use zoning approval to build a natural gas fueled base/intermediate load and peak demand facility. The facility is proposed to be a nominal 750 megawatt two-on-one gas turbine combined cycle plant with a photovoltaic solar array. The facility will utilize up to 5 million gallons per day of waste-water effluent for cooling water in the plant's mechanical draft cooling tower. It will also include a zero-liquid discharge system (other than storm-water runoff). The facility will use either GE 7FA.05 or Siemens SGT6-5000F5 combustion turbine technology.

The air permit application proposes the following allowable facility emission rates for GE technology:

Nitrogen oxides (NO _x)	159.0 tons/year
Carbon monoxide (CO)	207.4 tons/year
Volatile organic compounds (VOC)	37.6 tons/year
Particulate matter 10 micrometers and less (PM ₁₀)	105.2 tons/year
Particulate matter 2.5 micrometers and less (PM _{2.5})	98.1 tons/year
Sulfur dioxide (SO ₂)	5.44 tons/year
Greenhouse Gases (CO ₂ equivalent)	2,468,228 tons/year

The air permit application proposes the following allowable facility emission rates for the Siemens technology:

Nitrogen oxides (NO _x)	164.9 tons/year
Carbon monoxide (CO)	143.6 tons/year
Volatile organic compounds (VOC)	51.9 tons/year
Particulate matter 10 micrometers and less (PM ₁₀)	106.2 tons/year
Particulate matter 2.5 micrometers and less (PM _{2.5})	99.1 tons/year
Sulfur dioxide (SO ₂)	5.37 tons/year
Greenhouse Gasses (CO ₂ equivalent)	2,464,251 tons/year

Nitrogen oxides and volatile organic compounds (VOC) will require emission offsets to be obtained.

The units will utilize lowest achievable emission rate (LAER) control technology for emissions of NO_x and VOCs, best available control technology (BACT) for CO, PM₁₀, and PM_{2.5} emissions, including dry low NO_x combustors, selective catalytic reduction (SCR), CO catalyst, good combustion practices and clean burning natural gas as fuel to minimize emissions.

A Public Information Briefing will be held on Monday September 24, 2012 at 6:30 PM at

Rust Library
380 Old Waterford Rd NW
Leesburg, Virginia 20176
(703) 777-0323

Information regarding the application can be obtained at the meeting or by calling John A. Andrews II at 540-338-9040.

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