






Power Plant #24323

PROJECT NAME and OWNERSHIP


PLANT OR PROJECT NAME: C Three Record ID#:
 Moxie Patriot Generation Plant  24323


Level 1 Ultimate Owner or Parent Organization:
 Moxie Energy, LLC 



Level 3: Direct Owner or Organization:
 Moxie Patriot, LLC 



Level 1 Owner Type: Private
 Level 1 Owner Country: US 
 Ownership by Non-Utility Company or Organization: YES 


PROJECT/PLANT DETAILS

Project Status:
 Early Development 

State or Province: PA
 County: Lycoming
 Country: US 

Total Facility Nameplate Capacity: 900 
 Number of Units Comprising the Total Facility: 4 
 Nameplate Capacity: 900.0

Prime Mover: Combined Cycle Total Unit 
 Primary Energy Source: Natural Gas 

Initial In Service Year:
 2015 

Project Cost: \$800 million
 Currency (Under Construction): US\$
 Project Cost (Under Construction): 800,000,000

Project Website:
http://02c14a9.netsolhost.com/Company_Current_Projects.htm

Output Sold To:

Right now, Moxie Patriot expects that the power produced at the facility will be sold into the PJM Interconnection open market...

**Project Description:**

7/14/2011 (last refresh)

MOXIE PATRIOT GENERATION PLANT**The Project**

Moxie Energy, through its wholly-owned subsidiary Moxie Patriot LLC, is proposing to build a natural gas power plant in Clinton Township, Lycoming County, Pennsylvania to take advantage of the abundant natural gas resources in the area and the skilled workforce that has developed around the domestic natural gas production. The power plant will be fueled only by natural gas (no diesel oil back-up), and will not require river water or any other large source of water typically used for cooling needs. It will consist of two combustion turbine generators that will each produce between 225 and 350 megawatts of electricity. The combustion turbines will be connected to two heat recovery steam generators where the hot exhaust gases from the combustion turbines will produce steam that will be directed to two steam turbines. The steam turbines will produce an additional 250 MW to 300 MW of electricity.

Construction of the project will take approximately 30 months and employ an average of 200 skilled and non-skilled workers and a peak workforce of about 500. The direct construction payroll is expected to be about \$40 million; the indirect and induced payroll (an estimate of the money spent on outside goods and services such as hotels and apartments, food, clothing, gasoline, and other things) is expected to be about \$80 million using a conservative multiplier of two.

Once completed in early 2015, the \$800+ million investment will provide a significant and steady tax base to the area, 25 to 30 high paying technical and operations jobs, and an ongoing source of community programs.

**Power Supply**

The electric power produced at the facility – between 800 and 900 megawatts – will be enough to supply approximately 750,000 homes with clean power generated using domestic fuel.

Right now, Moxie Patriot expects that the power produced at the facility will be sold into the PJM Interconnection open market, which is an electric transmission grid covering several states (including Pennsylvania) and serving millions of people. First use of the energy will be local, then regional, then system-wide. The new power plant will go far to support the need for affordable, reliable electricity in both Lycoming County and Pennsylvania.

In order to deliver the power into the electric grid, Moxie Patriot will connect into the 230 kV high voltage transmission system that runs near the project site (the Clinton Substation is about one mile from the site). Some upgrades to the existing transmission system will likely be required to accept the power that will be produced by the facility. Moxie Patriot is currently working with the transmission owner to determine the exact extent of those upgrades.

http://02c14a9.netsolhost.com/Company_Current_Projects.htm

7/13/2011

Gas-fired power plants planned for Central PA

Drawn in by the promise of an abundant and cheap source of energy, a Virginia-based company has announced plans to build two gas-fired power plants in Central Pennsylvania.

The Williamsport Sun-Gazette reported Wednesday that Moxie Energy has proposed building plants in Lycoming County and Bradford County, at a price tag of \$800 million each.


The plants will use air-cooled condensers, meaning they won't require any large source of water for cooling, according to a company press release.

Together, they'll produce between 800 and 900 megawatts of electricity -- enough to supply about 750,000 homes.

The company also brags the plants will burn cleaner than coal, producing "nitrogen oxide and carbon monoxide emissions that are about 80 percent less than a comparable new coal plant, carbon dioxide emissions that are about 45 percent less than a comparable coal plant, and sulfur dioxide and particulate emissions that are more than 99 percent less than a comparable coal plant," according to the press release.

Pending state approval, construction of the project, which will employ about 200 temporary and 20 to 30 permanent workers, will begin soon and end by 2015.

<http://www.centredaily.com/2011/07/13/2833465/gas-fired-power-plants-planned.html>

Click Here to see historical news articles, etc. 

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RTO/ISO, NERC AND DOE EIA INFORMATION

Regional Transmission Organization: NERC Region:


PJM



RFC



Transmission Information:

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DATA SOURCES AND UPDATE STATUS

Last Updated By (Click on name to contact by email):

Rollins, Jean

Last C Three Update:

07-14-2011

Reason For Update:

New Project 

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