

CPV Valley Energy Center

Responsible Energy Starts With Us



Location
Wawayanda, NY



System Information
• Featuring Siemens SGT6-5000F gas turbines and a Siemens SST-5000 steam turbine



Total Installed Capacity
680 MW



Supply Capacity
650,000 homes



Investment
\$775 million



Local and Regional Employment
• 23 full-time plant staff
• 900 union labor workers over 30-month construction period



Start Date
February 2018



Project Overview

The CPV Valley Energy Center generates enough reliable electricity on average to power more than 650,000 New York homes and offset carbon dioxide emissions equivalent to taking more than 200,000 cars off the road each year. Through our use of General Electric's (GE) advanced power generation

technology, CPV Valley provides safe, reliable, cost-effective and environmentally responsible power for NY. CPV Valley pairs well with less reliable power sources like wind and solar because it provides a backstop to maintain grid reliability when the wind or sun cuts out.



CPV's Commitment to the Community

Making lives better is what drives CPV to modernize the country's power system. Underlying our goal is the positive impact we're having on the communities where we build and operate power generation facilities. Our commitment to being a good corporate citizen in our communities means integrating Environmental, Social and Governance (ESG) matters into the business. Our focus on ESG and track record of success have enabled us to grow into one of North America's premier energy companies.



Environmental Benefits

AIR QUALITY

Avoided more than 1,000,000 tons of CO₂, the equivalent of taking over 200,000 passenger vehicles off the road for one year

Combined-cycle plants like CPV Valley are approximately 30 percent more efficient than conventional electric generation technologies, meaning they need less fuel to produce the same amount of electricity. The result is lower costs and fewer emissions, a win-win.



WATER USE

Air-cooled design saves as much as 90% of the water used by similar wet-cooled facilities

CPV Valley's air-cooled design significantly reduces the amount of water needed to operate, helping conserve vital resources. Only about 15% of natural gas combined-cycle generation is currently air-cooled in the United States.



Converting grey water into millions in new revenue stream for the city

As part of its unique environmental design, CPV Valley includes a grey water loop from the Middletown water treatment facility to the project and back again. The loop allows the project to utilize recycled grey water for the process water it does use, turning a former waste product into a productive, long term revenue stream for Middletown.

LEARN MORE:

About the Project | www.cpvvalley.com

About CPV | www.cpv.com

CONTACT US:

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Social Benefits

SCHOOL SUPPORT

Our local school support ties to Science, Technology, Engineering and Math (STEM), including site tours for West Point and surrounding schools as well as sponsorship of the annual Girl Boss Expo in Goshen, NY, which provides an opportunity for young girls to discuss careers in STEM with CPV staff and our partners. We look forward to developing a long-term relationship with the local school districts to support their STEM goals.



FOOD PANTRIES

COVID-19 has been impacting CPV's host communities in various ways, and one of the major consequences of the pandemic has been an increase in food insecurity. Job losses and furloughs have led to a 30% increase or more in demand for food at pantries in our host communities.

- \$5,000 to Church of the Holy Cross Food Pantry in 2020
- \$5,000 to the Town of Wawayanda for elderly meal delivery service during COVID-19 in 2020

EMERGENCY RESPONDERS

CPV Valley supports emergency responders in Wawayanda and the surrounding area by working closely with the police and fire departments and providing them with much-needed resources to better support local public safety.



- \$9,600 New Hampton Fire Department in 2020

MISCELLANEOUS

- \$5,000 to Run4Downtown Inc. in 2018 and 2019
- \$1,800 to Orange County Adopt-a-Family Program in 2019; \$1,800 additional from CPV Valley plant staff and matching \$1,800 from DGC, for grand total of \$5,400



Competitive
Power Ventures