

CPV Towantic Energy Center

Responsible Energy Starts With Us



Location
Oxford, Connecticut



System Information

- 2x1 combined-cycle power plant
- Featuring GE 7HA.01 gas turbines and DLN2.6+ AFS combustion system



Total Installed Capacity
805 MW



Supply Capacity
800,000 homes



Investment
\$1 billion



Local and Regional Employment

- 22 full-time plant staff and approximately 75 ancillary jobs
- 900+ union labor workers over 30-month construction period



In Operation Since
May 2018



Project Overview

The CPV Towantic Energy Center generates enough reliable electricity on average to power more than 800,000 Connecticut homes and offset carbon dioxide emissions equivalent of taking more than 260,000 cars off the road each year. Through our use of General Electric's (GE) advanced power generation

technology, CPV Towantic provides safe, reliable, cost-effective and environmentally responsible power for CT. CPV Towantic 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 an estimated 1.2 million tons of CO₂, the equivalent of taking more than 260,000 passenger vehicles off the road for one year

Combined-cycle plants like CPV Towantic 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

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

CPV Towantic's dry-cooled design significantly reduces the amount of water needed to operate, helping conserve vital resources. Only around 15% of operating generating capacity from natural gas combined-cycle plants in the United States use dry-cooling technology.



Social Benefits

SCHOOL SUPPORT

Our local school support ties to Science, Technology, Engineering and Math (STEM), including the development and funding of new STEM labs, classroom visits, career coaching from CPV staff and guided tours of CPV Towantic.



- \$20,000 grant awarded to the Oxford Great Oak Middle School to launch Project Lead The Way's STEM curricula and introduce students to STEM at a younger age
- \$10,000 donation to the Oxford PTO to support student experiential learning
- \$9,500 to move the Oxford Public Library's books to their new location on Great Oak Road

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.

- \$10,000 to the Seymour Oxford CT Food Bank

EMERGENCY RESPONDERS

CPV Towantic supports emergency responders in Oxford 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.



- \$30,000 allocated to install a new antenna booster station on our site at the request of the Oxford Fire Department
- \$3,500 donated to the annual Oxford Police Toy Drive to aid Oxford families in need



LEARN MORE:

About the Project | www.cpvtowantic.com

About CPV | www.cpv.com

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