

HVCC - CHP Demonstration - Landfill Gas

To install a total of six engines to be fueled by landfill gas, natural gas biodiesel, and #2 fuel oil, in a configuration to provide 2,920kW as a primary systems, with 1,620kW as backup system

BACKGROUND

A NYSERDA-cofunded feasibility study was conducted at HVCC regarding cogeneration and landfill gas supply. This proposal indicates a very signi interest in going "islanded" - also known as "isolated/disconnected" from the electrical grid.

OBJECTIVE

Project seeks to install a total of six engines to be fueled by landfill gas, natural gas, biodiesel, and #2 fuel oil, in a configuration to provide 2,920 kW primary systems, with 1,620 kW as backup systems.

DESCRIPTION

This project will design, install, and monitor a CHP system with primary power capacity of 2,920 kW and back-up bio-diesel engines. The project will result in construction of a classroom to serve as the location of new Plant Utilities Curriculum Course.

BENEFITS

Heat to be used for DHW and to be converted via absorption chilling to cooling for support of ice rink. Landfill gas will be "self furnished fuel" and qu: for the extra preference consideration stated in the solicitation.

Funding	Encumb to Date	Pending	Total Anticipated
NYSERDA	\$500,000.00	\$0.00	\$500,000.00
Siemens Building Technologies, Inc. (Rochester)	\$5,063,506.00	\$0.00	\$5,063,506.00
TOTALS	\$5,563,506.00	\$0.00	\$5,563,506.00

Manager Ritchey, Jaime R.
Contracts STD-7291
Contractors Siemens Building Technologies, Inc. (Rochester)
Technologies Cogeneration
Cities Troy
Counties Rensselaer