The Taurus 60 gas turbine generator set and a supplementary-fired exhaust heat recovery steam generator (HRSG) cogenerate approximately 5 MW of electricity and from 11 113 kg/hr (24,500 lb/hr) (unfired) to 29 484 kg/hr (65,000 lb/hr) of steam (with supplemental firing) for the university’s district heating system which supplies all main buildings on campus as well as a number of residences. The dual-fuel (natural gas and distillate oil) Taurus 60 gas turbine has a dry, lean-premixed SoLoNOx™ combustion system for pollution prevention.

During warm weather, an air-inlet cooler reduces the temperature of the air entering the engine to help maintain full power output. The combined heat and power (CHP) plant also has a 5443 kg/hr (12,000 lb/hr) dump steam condenser, which enables the generator set to be operated at full electric output during light steam-load conditions on summer nights.

Solar provides maintenance for the Taurus 60 turbine generator system under a five-year extended service agreement with York University.