



COMBINED HEAT AND POWER UNIVERSITY YORK UNIVERSITY

OWNER

York University

LOCATION

Toronto, Ontario, Canada

PRODUCT

Taurus™ 60 (5 MW) Gas Turbine

CUSTOMER VALUE

Energy Cost Reduction

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 SoLoNO_x™ 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.

Solar Turbines Incorporated

Tel: +1 619 544 5352

Mail: infocorp@solarturbines.com Web: www.solarturbines.com

Caterpillar is a registered trademark of Caterpillar Inc. Solar, Taurus and SoloNox are trademarks of Solar Turbines Incorporated.

©2018 Solar Turbines Incorporated. Specifications subject to change without notice. All rights reserved.

DSCHP-YU/0518/E0

Solar® Turbines

A Caterpillar Company