



QUINNIPIAC UNIVERSITY

APPLICATION

Combined Heat and Power (CHP)

MARKET SECTOR(S)

Institutional/Hospital

CLIENT

Rocky Hill
Student Center
at the York Hill
Campus of
Quinnipiac University

COMMISSIONED

2009

EQUIPMENT

GT250S

LOCATION

Hamden, CT

FUEL

Low Pressure
Natural Gas

PROVIDING POWER TO PRIORITY LOADS IN UTILITY OUTAGE EVENTS.

The Rocky Hill Student Center at the York Hill campus was specifically designed with numerous sustainable approaches and renewable energy systems. Among them were a geothermal cooling system, photovoltaic collectors, and a highly efficient cogeneration plant utilizing a Flex Turbine®.



PROJECT

- Rocky Hill Student Center at the York Hill Campus of Quinnipiac University
- One GT250S to provide 250kW of 24/7 electric power
- Produces 1.1 MMBtu/hr hot water for supplemental winter heating and summer cooling
- Grid parallel operation

SITE EQUIPMENT

- Two absorption chillers
- Utility protection relay

RESULTS

Commissioned in October 2009

Over 38,000 hours of operation

2 million kWhs of electricity generated annually, resulting in utility savings of over \$200,000