



## QUINNIPIAC UNIVERSITY

### APPLICATION

Combined Heat and Power (CHP)

### MARKET SECTOR

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

Over 38,000 hours of operation

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