



# Villanova University 6 MW CHP & Distributed Generation

## PROJECT INFORMATION

### CONCORD DIVISION

Power & Infrastructure

### PROJECT LOCATION

Radnor, PA

### MARKET

Higher Education

### SERVICES

Design Builder

### CONSTRUCTION COST

\$12 Million

## REFERENCE

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## PROJECT SUMMARY

Concord is the Engineer of Record and Construction Manager at Risk for a new 6MW Combined Heat & Power and Distributed Generation facility. Concord participated with the project developer and owner to develop an engineering concept to compliment a 3<sup>rd</sup> party financed business model that emphasized resiliency and hedging the client against PJM ICAP and transmission charges as well local distribution charges.

The new installation will provide on-site electrical generation to allow the university to increase resiliency, reduce future electrical demand and, in turn, reduce the transmission and demand charges imposed from the electric utility and reduce the capacity charge from PJM. In addition, the project will provide Villanova the ability to purchase electricity and natural gas at a lower cost.

## PROJECT HIGHLIGHTS

- New 6MW Combined Heat & Power and Distributed Generation facility.
- Developed engineering concept to compliment 3<sup>rd</sup> party financed business model that emphasized resiliency and hedging the client against PJM ICAP and transmission charges as well as local distribution charges.
- Provides on-site electrical generation to allow the university to increase resiliency, reduce future electrical demand and in turn reduce the transmission and demand charges imposed from the electric utility and reduce capacity charge from PJM.
- Ability to purchase electricity and natural gas at a lower cost.