



Villanova, PA.

Villanova University 6mw Microgrid/Peak Shaving Natural Gas Engines and CHP



CONCORD'S ADDED VALUE

Concord was the designer and general contractor enabling a fast track project

The microgrid also runs during peak electric pricing allowing the equipment to pay for itself

A third party contract structure allowed the university to accomplish its goals of resiliency without upfront capital expense.



DESCRIPTION OF PROJECT

Villanova University consists of academic, R&D and student housing on a campus of 10,000 students. After a substation failure the campus lost power for several weeks causing massive financial damage to R&D facilities as well as forcing students to evacuate the campus. As a corrective measure the University required an alternative to the electric grid. A creative third party owned Microgrid eliminated upfront capital.



SCOPE OF WORK

Concord Engineering and Concord Mgt Services, LLC was selected to **design and build at risk** the 6 MW Microgrid consisting of packaged gas fired engines. The Microgrid assets were connected to existing electrical switchgear so that in the event of a grid failure 6MW of gas fired generation could be started and run indefinitely without the need for fuel delivery.

Client

Villanova University

Reference

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