



POWER TO GROW

JEWISH COMMUNITY CENTER ON THE PALISADES (JCC)

Tenafly, New Jersey



CHALLENGE

A need for additional and more cost effective electrical and thermal-energy sources for an expanding 160,000-square-foot facility, which includes classrooms and activity rooms, office space, full regulation basketball course, showers, and an Olympic-sized pool.

SOLUTION

A no-cost upgrade of an existing cogeneration system

RESULTS

As a result of the upgrade and repairs, the JCC benefitted from:

- Fully restored cogeneration system capacity
- Continuous 10% discount on energy costs
- Expected savings of over \$200,000 during the term of agreement
- No equipment maintenance fees or natural gas fuel costs
- More time for facility staff to focus on their primary responsibilities

CONTACT US TODAY

Set up a site survey and start your energy cost savings.

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PROJECT HIGHLIGHTS

American DG Energy implemented the following upgrades and repairs:

- Purchased the existing cogeneration systems from the JCC
- Upgraded the controls
- Completely refurbished and rebuilt the natural gas engines
- Refurbished and repaired the pumping loops from the system to the domestic connections
- Rebuilt and reconfigured the hot water supply and return loops to the existing domestic hot water tank
- Repaired and refurbished the boiler loop heat exchanger
- Repaired and refurbished the pool heat exchanger loop
- Installed additional metering and communications, including a new output BTU meter to monitor cogeneration thermal output, a utility grade gas meter to monitor equipment gas consumption, and new loop temperature sensors, to monitor and manage system operation for peak performance and efficiency

ON-SITE UTILITY

American DG Energy sells the energy produced from an onsite energy system to an individual property as an alternative to the outright sale of energy equipment. On-Site Utility customers only pay for the energy produced by the system and receive a guaranteed discount rate on the price of the energy. All system capital, installation, operating expenses, and support are paid for and handled by American DG Energy.