



POWER TO THRIVE

NORTH HILL INDEPENDENT LIVING COMMUNITY

Needham, Massachusetts



CHALLENGE

Rising utility costs at a 59-acre, 500,000-square-foot campus of an independent living community, containing a building with high demands for electricity and hot water needed to run the entire skilled nursing facility, commercial laundry, and main kitchen.

SOLUTION

An on-site cogeneration system to provide electricity, space heat and domestic hot water

RESULTS

As a result of implementing an on-site cogeneration system Tecogen CM-75 from American DG Energy, North Hill benefited from:

- Reduced energy costs
- No capital outlay for equipment
- Lower operating costs and no natural gas fuel costs
- No equipment responsibility
- Reduced carbon emissions
- Extended lifespan of existing energy equipment

CONTACT US TODAY

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

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American DG Energy Inc.

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PROJECT HIGHLIGHTS

- Installed a 75 kW natural gas engine-driven cogeneration unit
- Utilized cogeneration unit thermal output to generate space heat and domestic hot water
- Modified piping and controls for the heating and domestic hot water architecture
- Eliminated use of hot water heaters and boilers during the non-heating season
- Installed additional metering to ensure 24/7 continuous monitoring and control of system operation
- Reduced annual operating expenditures of boiler system and hot water heaters
- Reduced carbon emissions by 225 tons of carbon dioxide annually, the equivalent of 37 cars off the road or 47 acres of new forest
- System design, installation, operation, maintenance and optimization managed by American DG Energy at no cost to North Hill

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.

Scan to read more about this project or visit:

www.adgeoffer.com/northhill

