

ALL SYSTEMS COGENERATION

300 KW COGENERATION PLANT

CASE STUDY

“We were tired of the high cost of electricity from our local utility company.....we found an alternative!”

Concern for the environment and cost savings motivated the Parker Jewish Institute for Health Care and Rehabilitation to seek cogeneration technology to produce and recycle energy. State-of-the-art technology, expertise and experience were the keys to Parker’s selection of All Systems Cogeneration to implement the project for Parker.

Parker’s President and CEO, Michael N. Rosenblut, said: "All Systems provided Parker with the equipment

required to produce some of our electrical power, and a heat recovery system to provide domestic hot water for our facility. Parker’s co-generation project was implemented on-time and within budget. With a smaller carbon footprint, Parker is reducing expenses and simultaneously helping to protect the environment. Savings and

environmental pluses will help the Institute further enhance the excellence in patient care and community concern for which it is well known.”



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1595 OCEAN AVENUE, SUITE A12
BOHEMIA, NY 11716 631-750-6060

Parker Jewish Institute for Health Care and Rehabilitation is one of the region's preeminent long term care organizations. It provides sub-acute care, short term rehabilitation, a nursing home, on-site dialysis, an Alzheimer center, adult day health care, home health care, inpatient and community hospice, and medical transportation. Parker is among the leaders in the teaching of health care professionals and research into emerging issues of aging, and is a partner in AgeWell New York, a New York State authorized managed long term care plan whose service area includes Queens, Brooklyn, the Bronx, Manhattan, Westchester County, Nassau and Suffolk Counties. Further information about Parker can be obtained by visiting www.parkerinstitute.org.

PARKER 300 KW COGENERATION PLANT SPECIFICATIONS:

SUMMARY: The cogeneration system is on line around the clock providing 300 Kwh of electrical power to the 326 bed nursing facility. The system also handles the majority of the domestic hot water needs. Through innovative thinking the system was configured to provide low pressure steam to supplement the building's year round heating and air conditioning needs.

PLANT SIZE:	300Kw
COGEN MODULES:	4-75 Kw's
OPERATION:	24/7
THERMAL OUTPUT:	490,000 btuh per module
USABLE THERMAL ENERGY:	90%
ELECTRICAL OUTPUT:	75 Kw per module
USABLE ELECTRICAL ENERGY:	100%
SERVICE VOLTAGE:	120/208v
DOMESTIC HOT WATER STORAGE:	1500 gallons
EQUIPMENT PAYBACK:	2.9 years

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