

## Greenpark Care Center Cogeneration Project

The cogeneration equipment will be commissioned in January, 2003. The contract negotiation package is now being prepared.

### BACKGROUND

The Greenpark Care Center operates 24 hours per day, 7 days per week, and provides long-term medical assistance to 200 patients. The facility employs 190 trained nurses, doctors, and support staff.

### DESCRIPTION

The nursing home currently uses Con-Ed electric as the primary source of electric power to the facility. Natural gas is used as the primary source of water generation for laundry, domestic hot water and space heat. The proposed project would reduce natural gas consumption in the facility by as much as 4,969 Dthms per year. Taking into consideration the fact that heat is a secondary product generated by the cogeneration project, overall criteria pollutant emissions from the site would be reduced as a result of the reduced operation of the existing facility boiler plant.

### OBJECTIVE

AES-NJ Cogen Co., Inc. proposes to proceed with this project utilizing (2) 75 kilowatt cogeneration modules, with a natural gas fuel input rating of less than 1,000,000 Btu/Hr each. AES-NJ Cogen Co., Inc. will incorporate an emission reduction system on the project (i.e. catalytic converter, SCR, 3-way catalyst). AES-NJ Cogen Co., Inc. will annually monitor the emissions and report such actual emissions and operational problems encountered with maintaining the emission control system.

### BENEFITS

The proposed cogeneration project at the Greenpark Care Center will be used to produce economic benefit for the care center in the form of significant energy related cost reductions. The Greenpark Care Center has taken advantage of several energy conservation measures to reduce electric and thermal loads.

<b>Funding</b>	<b>Encumb to Date</b>	<b>Pending</b>	<b>Total Anticipated</b>
AES-NJ Cogen Co., Inc.	\$150,000.00	\$0.00	\$150,000.00
NYSERDA	\$150,000.00	\$0.00	\$150,000.00
<b>TOTALS</b>	<b>\$300,000.00</b>	<b>\$0.00</b>	<b>\$300,000.00</b>

**Manager** Love, John F.  
**Contracts** STD-7321  
**Contractors** AES-NJ Cogen Co., Inc.  
**Technologies** Cogeneration  
**Cities** Brooklyn  
**Counties** Kings