

## Rego Park Nursing Home Project

Installation of (1) 75 KW cogeneration module, with a natural gas fuel input rating of less than 1,000,000 Btu/Hr. and associated emission reduction system.

### BACKGROUND

The Rego Park nursing home 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 4,203 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 (1) 75 kilowatt cogeneration module, with a natural gas fuel input rating of less than 1,000,000 Btu/Hr. 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 Rego Park Nursing Home will be used to produce economic benefit for Rego Park Nursing Home in the form of significant energy related cost reductions. Rego Park Nursing Home has taken advantage of several energy conservation measures to reduce electrical and thermal loads.

<b>Funding</b>	<b>Encumb to Date</b>	<b>Pending</b>	<b>Total Anticipated</b>
AES-NJ Cogen Co., Inc.	\$100,000.00	\$0.00	\$100,000.00
NYSERDA	\$100,000.00	\$0.00	\$100,000.00
<b>TOTALS</b>	<b>\$200,000.00</b>	<b>\$0.00</b>	<b>\$200,000.00</b>

<b>Manager</b>	Love, John F.
<b>Contracts</b>	STD-7307
<b>Contractors</b>	AES-NJ Cogen Co., Inc.
<b>Technologies</b>	Cogeneration
<b>Cities</b>	Flushing
<b>Counties</b>	Queens