

New York City Department of Environmental Protection
Coney Island WWTP – Engine Optimization



Project Name:

NYCDEP – Coney Island WWTP Engine Optimization

Project Address:

- Knapp Street, Brooklyn, NY

Project Owner:

- New York City Department of Environmental Protection (NYCDEP)

Owner Representative:

- New York Power Authority (NYPA)

PROJECT DESCRIPTION:

RCM Technologies, Inc. was selected to provide feasibility, design and construction management services for the overall optimization of the thirty (30) year-old, 8 MW Cogeneration System located at the 100 MGD Coney Island Wastewater Treatment Plant in Brooklyn, New York. The system is powered by four (4) 2 MW Dual Fuel Engine Generators designed to run on digester gas, produced at the facility, and minimal diesel oil for pilot fuel. The overall project consists of the evaluation and rehabilitation, replacement or addition of the following systems:

- Four (4) 2 MW Engine Generators and Control Systems
- Fuel Gas Booster/Compression System
- Combustion Air System
- Engine Cooling Systems and Heat Recovery Systems
- Addition of Digester Gas Treatment and Gas Blending Systems
- Fuel Oil, Lube Oil and Starting Air Systems
- Addition of overall System SCADA

Project Start Date:

- July 2011

Project Duration:

- Five (5) Years

Est. Project Cost:

- \$62,000,000

Est. Annual Project Savings:

- \$1,500,000



*For more information, contact RCM's Facilities Design & Construction Management Division
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