



PSE&G/AMTRAK Rotary Frequency Converter Upgrades

PROJECT INFORMATION

CONCORD DIVISION
Concord Management

PROJECT LOCATION
Metuchen, NJ

MARKET
Utility

SERVICES
Design Build

CONSTRUCTION COST
\$2.6 Million

ABOUT THE CLIENT

PSE&G is the largest provider of gas and electric service, servicing 1.8 million gas customers and 2.2 million electric customers in more than 300 urban, suburban and rural communities, including New Jersey's six largest cities.



PROJECT SUMMARY

As part of its overall effort to improve the reliability of passenger train service in the Northeast Corridor, The National Railroad Passenger Corporation (Amtrak) proposes to refurbish and upgrade the existing 25Hz frequency changer and related controls and facilities located at the PSE&G Metuchen, NJ Switching Station.

PROJECT HIGHLIGHTS

- Concord is the design build Contractor for the Power Supply side of the project. This includes new 11kV switchgear in the weather protected enclosure, a new starting autotransformer, MG set protective relay and control panel, all power/control cabling, replacement of existing current transformers for the motor and generator as well as neutral grounding resistor. Addition, Concord is also providing the Construction Management service for the project.
- Concord is also responsible for managing the Control upgrade side of the project. Under contract with PSE&G, ABB is providing control upgrades for the Amtrak rotary frequency converter. Concord service includes close coordination with ABB throughout the project design and execution of the upgrades.