



Owner

The Port Authority of NY and NJ

Contract Type

Lighting and Controls Upgrade

Contract Amount

\$483,496.00

General Contractor

FSG

Electrical Contractor

Rialto Electric

Energy Firm

PSE&G

Energy Savings

\$121,000/year

Number of Fixtures Replaced

1600

PATH

Harrison New Jersey

CHALLENGE

Port Authority Trans-Hudson, abbreviated PATH, is a rapid transit system serving Newark, Harrison, Hoboken, and Jersey City in metropolitan northern New Jersey, as well as lower and midtown Manhattan in New York City. The PATH is operated by, and named after, the Port Authority of New York and New Jersey. PATH trains run 24 hours a day and 7 days a week. Around 1990, the new maintenance yard at Harrison was opened. The original lighting system was old and outdated, providing poor color and efficiency.

SOLUTION

This retrofit included the replacement or upgrading of over 1,600 light fixtures throughout the facility, including the offices, shops, storage areas, track, pits and building exterior. Low color rendering HPS light fixtures throughout the facility were replaced with high CRI white light. Long life induction lighting on the building exterior and long life fluorescents in the interior drastically reduced future maintenance expense. New pit lights were installed as well to provide greater durability and better lighting.

RESULT

The new lighting system provided annual energy savings in excess of \$121,000 annually and improved light levels and light quality throughout the facility.

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