

Ocean Avenue Substation Completed On-Time and Within Budget



The new Ocean Avenue substation improves the reliability of LIRR power infrastructure.

LIRR crews replaced the Ocean Avenue substation in Rockville Centre, allowing greater power support to the railroad. This substation services a part of the LIRR territory that has dense volumes of train traffic, placing substantial demands on the traction power system necessary to operate LIRR electric power trains.

Before its replacement, the substation was operating beyond its useful life and was in great need of upgrade and replacement. The project included removal and demolition of existing infrastructure and installation of new transformers outside the new substation building, which houses electrical components, fiber optic cables, a fire alarm system, switchgear, and supporting equipment.

The new Ocean Avenue substation utilizes modern technology and provides capacity to prepare the LIRR power system for the anticipated demands associated with the new M9 car fleet. Additionally, the new substation will support increases in train service expected over the next several years.

The new substation meets current safety protocols, thus ensuring safe working conditions for LIRR employees. Additionally, the replacement project greatly improves the reliability of LIRR power infrastructure and customers will have a smoother, safer, and more reliable ride.