

Treating Waste with Help From the Sun

Port Richmond Wastewater Treatment Plant • Staten Island, NY



The wastewater treatment plants operated by the NYC Department of Environmental Protection consume a great deal of electricity in their operations. The Port Richmond plant processes waste from 198,000 Staten Island residents. The facility's 200,000 square foot roof was an ideal candidate for a solar installation and ConEdison Solutions owns and operates one of the largest solar arrays in New York City on the roof of the plant. A solar Power Purchase Agreement now makes it possible for the Port Richmond facility to get approximately 10% of the electricity it needs to operate the plant from renewable energy.



PROJECT HIGHLIGHTS

Environmental Benefits

CO₂ Offsets: 2,204,620 lbs. annually

CO₂ Equivalent: 250 cars removed from the road annually

Technology

Yingli-YL250P-29B

Panels: 5,070

System Size

1,268 kW (DC)