

ENERGY CENTER REPOWERING PORT OF PALM BEACH

2010



Tierra Group was selected to provide environmental engineering services at a 1960s-era oil-fired power plant located along the sensitive marine surface waters of the Intracoastal Waterway. The modernized facility, a 1,250 MW high-efficiency natural gas energy center, generates electricity for more than 250,000 homes and businesses.

2011



Extensive dewatering was necessary to construct the foundation of the upgraded facility. Due to elevated concentrations of metals detected in construction dewatering effluent, Tierra designed a treatment system to meet stringent marine surface water criteria. Continuous compliance monitoring was performed to ensure protection of the sensitive marine habitat.

2014



Due to legacy subsurface impacts of the Port facility, continued groundwater sampling and analysis were required to monitor concentration trends for regulatory compliance. Throughout the repowering project, environmental protection was prioritized to ensure no ecological impacts to the area's natural resources and manatee habitat.