



**NEWPARK**  
MATS & INTEGRATED SERVICES

## PROJECT CASE STUDY

# Substation Expansion Project and 138KV Transmission Line Rebuild 1/2

**Client**  
Major utility provider

**Location**  
New Jersey



## BACKGROUND

A major power utility provider in New Jersey awarded a contract to a prime contractor to replace 10 miles of outdated steel lattice style utility poles and replace with new galvanized steel mono poles.

## CHALLENGE

Low-lying land areas (wetlands and tidal marshes) impeded access for work crews and heavy equipment to reach needed areas for the replacement upgrades.

## SOLUTION

To meet the client's objectives, Newpark Mats and Integrated Services:

- Collaborated work through the WBE, the utility provider, the prime contractor, subcontractors, and our team of operations, project management, engineering, and environmental to provide leading edge solutions to address the many issues for this project.
- Installed and removed more than 12,500 DURA-BASE® composite mats in total for access roads, as well as pull and work pads, installation of rock construction entrances, the design and build of the helicopter mats, temporary timber air bridge and stream crossings, composite filter sock, concrete washout structures, traffic control/flagging, E&S inspections, and restoration services.
- Constructed a centrally located fly yard build out of 1,725 DURA-BASE® composite mats where materials and power poles were stored and assembled for placement by a helicopter in areas that were environmentally sensitive with extremely limited or no access.



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## PROJECT CASE STUDY

# Substation Expansion Project and 138KV Transmission Line Rebuild 2/2

Newpark Installed and removed more than 12,500 DURA-BASE® composite mats, allowing project to be completed in a safe, efficient, and timely manner, while greatly minimizing disturbance to the environment and expediting the restoration process.



## SOLUTION (con't)

- Constructed a dedicated soils spoilage yard out of 1,070 DURA-BASE® composite mats used for the excavated soil taken from the construction of the power pole caissons.
- Designed and built special helicopter matting to be tethered beneath the helicopter for use at the tower locations. In environmentally sensitive areas not accessible by land, all phases of construction for the tower locations were done by helicopters.



## RESULTS

Newpark provided a safe, stable, environmentally responsible, and aesthetically pleasing work surface that allowed the contractor to successfully execute their drills and install the utility lines necessary for Miami Beaches' continued growth and modernization.



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