

Partial Displacement Piles Space Coast Solar Center Broward County, FL



Client: Newkirk Electric
Owner: Florida Power and Light
Construction Date: September 2009

Scope of Work:

The Space Coast Solar project is one of the first large-scale photovoltaic solar farms to be constructed in Florida. The solar farm will generate 16,000 MW of power annually, or enough to power 1,100 homes.

Coastal Caisson installed the foundations for the solar panels, 6,100 partial displacement piles, 14' in diameter and 6'-7' in depth. As part of the installation, Coastal Caisson developed a system for the placement of poles to be imbedded in each pile.





Using a BG-22, more than 250 piles/day were installed. The piles were completed in less than 6 weeks.

Crews drilling foundations and setting solar panel posts.



Careful planning and coordination were required to install the large number of foundations in close proximity to each other.