

Renewable Research and Demonstration (RRD) Project
About
Trabant Solar Tracker
Revised 3/25/13

Host Facility: Publix Supermarket 1395 SW Martin Highway, Palm City, FL 34990

Location: FPL East Area (Martin County)

System Size: Two 7.2 kW PV Arrays – 1 fixed and 1 tracking east to west

PV Location: In an open grassy area in the front corner of the Publix property

The product to be purchased and tested is the Trabant Solar Tracker. It will be tested against an identical fixed PV array both being inclined about 25 degrees to the south. The solar tracker is a single axis tracker which will follow the sun from sunup to sundown in an east to west direction. The manufacturer claims the tracking will increase energy production by an average of 30%.

A very unique aspect of the Trabant Solar Tracker is the above ground mounting option. No excavation or grading of the ground is needed. Avoiding the need for excavation cuts cost, saves time, and reduces financial risk. To further minimize installation costs, all the components are pre-cut to size for easy assembly including all electrical cables fitted with quick connectors. The Trabant above ground mounting system and modular construction is attractive for both small and large solar installations.

This is a turn-key installation including a complete data monitoring system, indoor display, security camera, and a safety fence.

Display Location: Indoors (TBD by Publix)

Estimated Cost: \$138,995