



Gulf Power®

Gulf Power Solar Installations

City of Pensacola Solar Proposals

David Bates – Project Director

8/10/2020

Solar trees and canopies are designed to raise awareness for renewables and get people excited about solar

Benefits of Solar Trees and Canopies

- **Why solar trees and canopies?**
 - Brings solar into the heart of the community, where people can see the technology up close
 - Most large solar fields are in agricultural areas
 - Piques curiosity and inspires conversations about solar
 - Events at host locations can showcase solar
 - Solar trees offer shade and can be equipped with USB chargers for cellphones or laptops
 - Solar canopies can provide shade and lighting at night
 - EV chargers can be installed in conjunction with solar canopies

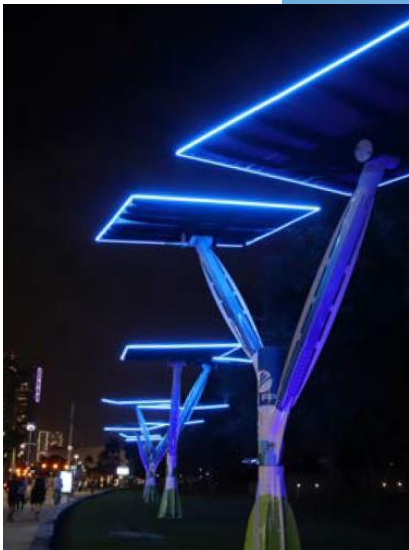
Solar trees and canopies showcase the benefits of renewable energy through appropriate location and education

Benefits of Solar Trees and Canopies (Continued)

- **Is there a cost to the host site?**
 - No cost to the City
 - Gulf Power will build, own and maintain the solar structures
- **How are locations chosen?**
 - Solar structures generate clean renewable energy and provide shade so they need to be in locations with access to the sun
 - Sites should be very visible and accessible to the public
- **How will solar trees educate visitors?**
 - Gulf Power will work with the City to coordinate events at the host site
 - On site signage can help educate visitors
 - A website will be established to show energy generated by the solar tree or canopy
 - The website can also connect to the City's website to highlight the City's sustainable efforts

Solar trees can be found at museums and parks

Bayfront Park, Frost Science Museum, Museum of Discovery and Science and Regatta Park



Solar trees have been incorporated in prominent municipal locations

DeSoto County Administration Building and Babcock Ranch



Solar trees and canopies have been in visitor friendly spaces throughout Florida

Kennedy Space Center and Paradise Cove



Solar canopies can provide shading during the day and lighting at night

Punta Gorda, Palm Coast & Naples Zoo Parking



Solar trees help educate the public about the larger solar projects in more rural areas

Florida is a leader in solar production



Wildflowers bloom at the FPL Echo River Solar Energy Center, Suwannee County

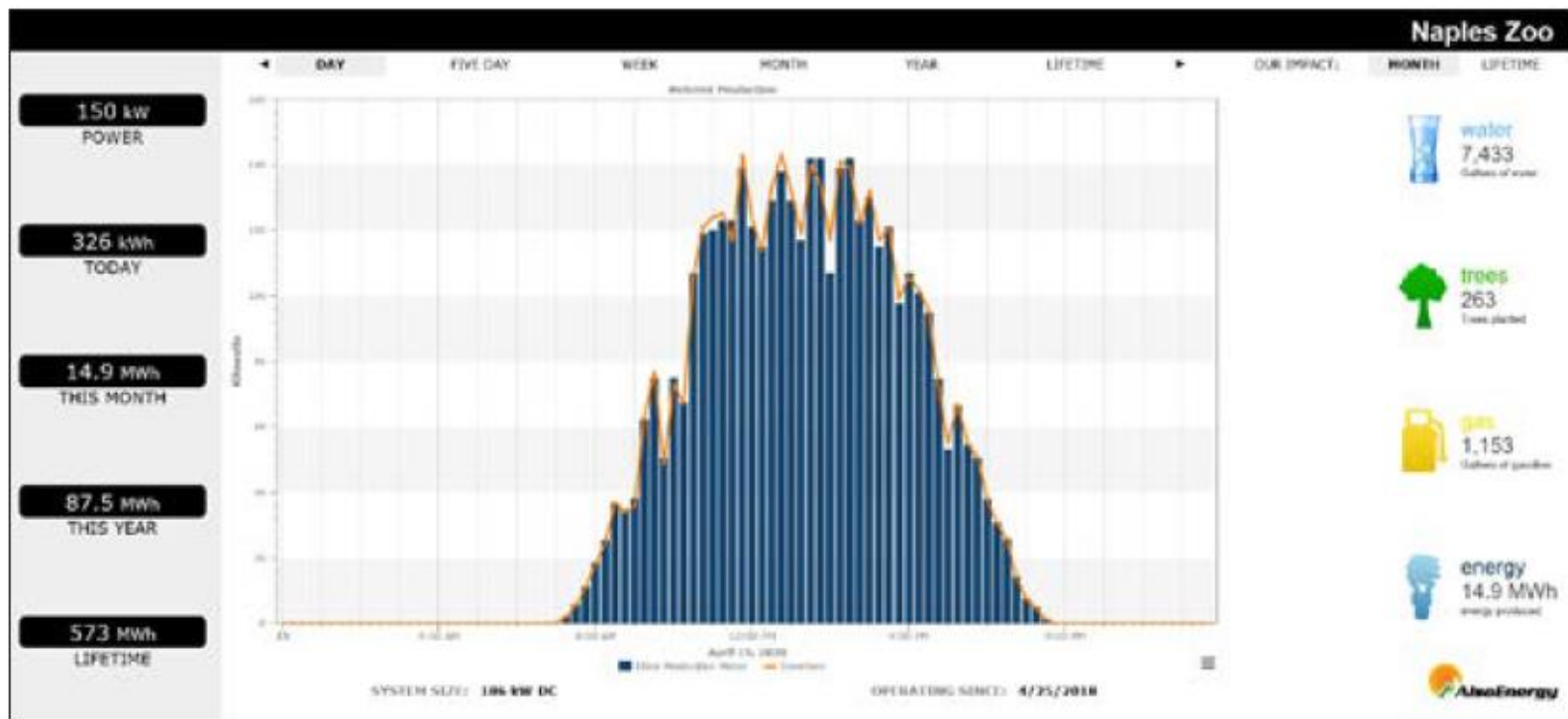
MAKING FLORIDA A **WORLD LEADER** IN SOLAR ENERGY PRODUCTION

For every SolarNow panel, there are at least 1,000 more generating clean energy for our customers at one of FPL's large solar centers. That number increases every day as FPL remains on track to install 30 million solar panels by 2030. Laid end-to-end, 30 million solar panels would wrap around the Earth one and a half times. Today, FPL is leading one of the largest solar expansions in the country—and by the end of this decade, the Sunshine State will also be known as the Solar State.



Solar trees and canopies can be educational showing the energy generated from the structure as well as the environmental benefits from the clean energy generation

Energy tracking website



Solar trees offer a variety of branding and informational signage options

Signage Options

- Solar trees can contain signage and medallions as well as informational ground signs



Solar trees have several options available to tailor the installation for greatest benefit at certain sites

Solar Tree Options

LED Lighting along Biscayne Blvd., Miami



Wrap of solar tree, Manatee Lagoon



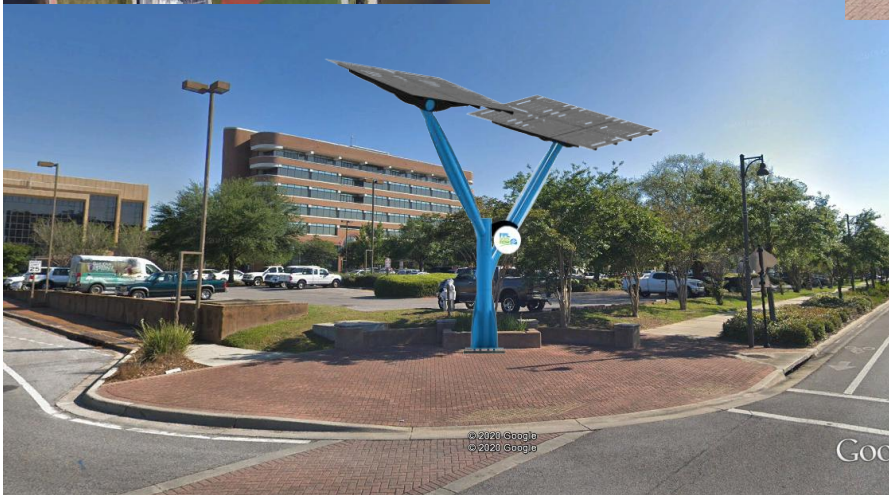
Solar trees and canopies in downtown Pensacola enhance civic area, community centers and the business district

Downtown Pensacola Locations



Main and Reus Streets connect the entrances to City Hall and Wahoo Stadium along downtown pedestrian walkway

1) City Hall /Wahoo Stadium Entrances, Pensacola



Corrine Jones Resource Center hosts many civic events

2) Sanders Beach - Corrine Jones Center, Pensacola



Standalone solar structures can add shading and seating while offering charging for cellphones and laptops

SolarZone

