

MEMORANDUM

August 23, 2017

TO: City Commission

THRU: Greg Harrison, City Manager

FROM: Horacio Danovich, CIP Manager



Issue

Staff is seeking City Commission approval of an Ordinance to enter into a Master Solar Agreement with the Florida Power and Light (FPL). The agreement is necessary to partner with FPL to install Solar Trees and Canopies at various locations throughout the City. There is no cost to the City, but the City will receive \$18.00 per kilowatt generated by the Canopies.

Recommendation

Staff recommends Approval of the Ordinance.

Background

In July 2017, Staff introduced a similar Ordinance that was stricken from the July 25th, 2017 agenda. The item was stricken as verbiage in the agreement needed to be modified to include provisions for Canopies.

FPL plans to install solar trees (single, Curb Design or double, Lift Design) and Canopies. Both, the Trees and Canopies are equipped with solar panels capable of storing Sun's energy (about 1.5kW every six panels). A series of canopies are proposed in City Hall's parking lot, which will provide shade to a number of vehicles covering about 8,500 Sq. Ft. These Canopies could generate approximately 200 kilowatts of clean solar energy. The City will receive \$18.00 for each kilowatt generated. Although the energy generated per individual tree/canopy isn't very significant, collectively all sites (in Pompano and throughout the State) will help reduce our dependency on non-renewable energy (i.e., coal, oil, etc.).

The City has identified various pilot sites to start this project:

- 1) City Hall's parking lot
- 2) SW 1st Avenue between Atlantic Boulevard and SW 2nd Street
- 3) The new Cultural Center/Public Library's parking lot
- 4) Fire Station 24 parking lot
- 5) NE 10th Street from Federal Highway to NE 5th Avenue

The above sites will be designed and permitted for immediate installation of Solar Trees and Canopies. FPL will bear the costs of design, construction and maintenance of all Solar Trees and Canopies. The City will have the choice to ask FPL to add benches and tables under the trees as well as outlets to power laptops, tablets, cell phones, etc., if desired.

City Staff will be involved in the selection of colors and additional site locations. For sites where Canopies will be installed, FPL will pre-wire the area(s) for the future installation of electric car charging stations at no cost to the City (the City will bear the costs of adding electric car charging stations).

Staff recommends approval.