

Subj: SPORTS FIELD LIGHTING FPL RATE CHANGES TO SEASONAL TOU OPTION A

BACKGROUND

FPL meets with Charlotte County staff annually to review the customer account plan. Included with that analysis is the monitoring of the performance of the accounts currently on various rate savings plans through FPL. The Seasonal Time-of-Use Rate Savings Plan Option A is based upon demand use from June 1 through September 30, from 3:00 p.m. to 6:00 p.m. If the use of electricity can be limited during this time of day, at this time of year, then switching to this rate savings plan could provide savings to the County.

DISCUSSION

County staff identified sports field lighting to be a good candidate for this Seasonal Time-of-Use Rate Savings Plan Option A. In theory, this time of year is daylight savings time, and it is not dark yet, therefore there is no need to turn the lights on until later in the evening. This theory was tested by reviewing the previous year of data available through the ControlLink monitoring of the sports field lighting. It was found that lighting was not turned on at any of the sports fields during this time of year until at least 6:45 p.m.

County staff then reviewed all of the potential accounts at parks that could qualify for this Time-of-Use Rate Saving Plan with FPL to determine the potential savings and which accounts would be eligible. County staff visited all of these meters to verify which in this list were feeding primarily sports lighting, with limited power to buildings or other systems that may be in use during this time of day. This list was then finalized with 18 meters from 7 parks qualifying for the rate plan change, with potential savings identified at almost \$50,000 per year.

Park	# of FPL Accounts/Meters	Potential Annual Savings
Ann Dever Regional Park	3 Accounts/Meters	\$3542
Carmalita Park	2 Accounts/Meters	\$4775
Franz Ross Park	1 Account/Meter	\$4645
Harold Ave Park	4 Accounts/Meters	\$5018
North Charlotte Regional Park	3 Accounts/Meters	\$13779
South County Regional Park	4 Accounts/Meters	\$15734
Tringali Park	1 Account/Meter	\$1828

RECOMMENDATIONS

County staff recommends that the identified meters be converted with FPL to the Seasonal Time-of-Use Rate Savings Plan Option A, in order to achieve the potential savings that can be realized. There is no change in operations or current use of our parks facilities that are required for these rate savings plans to be implemented. County staff will continue to monitor the changes annually, to ensure that the execution of this plan is successful.