

**SANTEE COOPER AND HOA LIGHTING**  
**STATUS UPDATE MEETING #2**  
**WEDNESDAY, NOVEMBER 18, 2020 @ 1:00 P.M.**  
**LOCATION: Santee Cooper**

- A. Round Table Introductions, Intent of Meeting, and Review of the Agenda – **Bryan Lewis**
- B. Review Summary E-mail – **Carlita Goff**

**Short-Term Goals**

1. Finalize survey research on other Large Public Power Council (LPPC) utilities, American Public Power Association (APPA), and Utility Analytics Institute (UAI) utilities and member organizations that currently have a Leased Lighting Purchase Program.
2. Assemble an Internal Lighting Lead Team to investigate a Cost-Based Lighting Purchase Program and develop the framework for such a program within the parameters of what Santee Cooper can legally do.
3. Pursue possible Developer Options for a Cost-Based Lighting Purchase Program, which will apply to new subdivisions or developments.
4. Explore the costs of lower wattage LED lighting (46W, 50W, and/or 56W) for those developments where the LED light is too bright near various residences. Plan to test these in Heritage Plantation for those residences where this problem was an issue, if the HOA is in agreement for Santee Cooper to do so.
5. Review photometrics and cost comparisons for multiple lighting vendors in an effort to find a lower fixture cost for the 70W LED Traditional fixture. Currently evaluating prices from another approved vendor (GE) in comparison to American Electric.
6. Santee Cooper will enhance the Outdoor Lighting content on its corporate webpage with FAQs and additional information. HOA representatives will be able to direct their members to this site for additional information for outdoor lighting questions, etc.

**Longer-Term Goals**

1. Evaluate programs where HOAs can utilize a reduced maintenance rate after meeting the initial lighting contract.
  2. It is being suggested that the HOA representatives also do research and provide feedback about existing outdoor lighting programs that other utilities have in place that the HOAs would like for Santee Cooper to consider.
- C. Street Lighting Cost Breakout Sample Review – **Mike Smith**
  - D. Discuss Future Communications Updates – **Carlita Goff**
  - E. Wrap Up and Next Steps – **Bryan Lewis**

## Santee Cooper Lighting Rate Calculation Example

*All capital and rate values are from 2015 Santee Cooper Rate Study*

### Capital Calculations\*

	175W MH Hampton Fixtures	14' Fiberglass Low Country Fluted Poles
Labor	98.70	185.87
Equipment	14.89	59.90
Matl-Fixture	450.00	1,200.00
Matl-Other	17.85	61.52
Overhead	98.19	199.27
Alloc. Cost	78.77	151.52
CIFR	<u>74.26</u>	<u>163.90</u>
<b>Total Capital Cost per Item</b>	<b>\$832.66</b>	<b>\$2,021.98</b>

### Simulated Bill Calculations\*

Monthly Facilities Charge (From 'Facilities Charge' worksheet)	1.40%	1.10%	
<b>Monthly Lease Charge (Total Capital Times Facilities Charge)</b>	<b>\$11.70</b>	<b>\$22.30</b>	
Total Fixtures	220	220	<u>Total</u>
<b>Total Monthly Estimated Costs</b>	<b>\$2,574.00</b>	<b>\$4,906.00</b>	<b>\$7,480.00</b>
<b><u>Estimated Monthly Itemized Costs</u></b>			
O&M Expense	\$203.92	\$507.09	
Interest Payment	\$815.68	\$2,028.35	
Principal Payment	\$1,297.00	\$1,879.97	
CIF & Payment To State	<u>\$257.40</u>	<u>\$490.60</u>	
Total Facilities Charge	\$2,574.00	\$4,906.00	

\*Calculations use only one fixture type and one pole type for simplification

### Calculation of Facilities Charge (as a percent of Installed Capital Cost)

	Fixtures	LED/Non-Wood Poles	Wood Poles	
O&M Expense	1.25%	1.25%	1.25%	Street lighting Maintenance Expenses / Street lighting Gross Plant.
Years Debt Service Paid	10	15	30	
Interest Payment	5.00%	5.00%	5.00%	
Principal Payment	7.95%	4.63%	1.51%	
<b>Total Annual Debt Service Percentage</b>	<b>12.95%</b>	<b>9.63%</b>	<b>6.51%</b>	
<b>Total of O&amp;M Expense and Debt Service</b>	<b>14.20%</b>	<b>10.88%</b>	<b>7.76%</b>	
CIF Requirement and Payment to State	1.58%	1.21%	0.86%	
<b>Annual Facilities Charge</b>	<b>15.78%</b>	<b>12.09%</b>	<b>8.62%</b>	
<b>Monthly Facilities Charge</b>	<b>1.40%</b>	<b>1.10%</b>	<b>0.80%</b>	Used in 'Bill Calculation' Section.
<b><u>Facilities Charge Breakdown</u></b>				
O&M Expense	7.92%	10.34%	14.51%	
Interest Payment	31.69%	41.34%	58.03%	
Principal Payment	50.39%	38.32%	17.47%	
CIF & Payment To State	<u>10.00%</u>	<u>10.00%</u>	<u>10.00%</u>	
<b>Total Facilities Charge</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	

## **Santee Cooper Meeting 10/18/2020**

Rose Run HOA

Carolina Forest - Plantation Lakes POA

Heritage Plantation HOA

The Reserve - Plantations Lakes POA

Willbrook Plantation HOA

WNCPOAs

Litchfield by the Sea/River Club

Waccamaw Management

Litchfield by the Sea/River Club

Chairman Georgetown County Council

The Farm POH

SC Representative No. 56 R

Patti Coblentz

Bob Sweet

Doug Decker

Jeff Simpson

James Register

Tom Stickler

Bob Postiglione

Lisa Hergenrother

Vic Figlar

John Thomas

Debra Shovlin

Tim McGinnis