

BOARD MEETING
D: 4/27 1982
ACTION: 6
INFO: _____

P.O. BOX 1885 LAKE CITY, FLA. 32055

PHONE 752-4400



FLORIDA POWER & LIGHT COMPANY

April 14, 1982

Honorable T. J. Greeson
Clerk of The Courts
P. O. Box 456
Fernandina Beach, Fl. 32034

Dear Sir:

Florida Power & Light Company has received a mandate from the Governor's Energy Office, requesting that we conserve energy in any area possible.

After reviewing our Contract Lighting Accounts, we decided that we could reduce energy consumption, and at the same time save our Customers money.

You have a total of 12 Mercury Vapor Lights at the Hilliard Prison Farm. This account is served by our MaCClenny District Office.

The Nassau County Commission signed a ten year contract October 18, 1966 for these lights. This contract was automatically renewed in five year periods since that time. This contract can be cancelled if it became necessary at the end of a five year period. This contract was signed by Mr. James S. Stevens, Chairman.

In order for Florida Power & Light Company to install the new High Pressure Sodium Vapor lights, it will require that you sign a new ten year contract, which will be a part of the original contract.

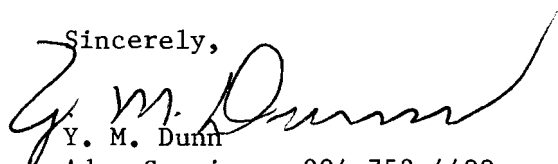
There is no cost to you for changing out these lights.

An analysis is inclosed, showing the energy you will save, what you are now paying, and the bottom line on page two is the savings annually of \$200.16.

If this contract is agreeable with you and the Commission, please sign All Four copies, along with two witnesses to the left of your signatures, and return all four copies to me. As soon as the four copies are executed by Florida Power and Light Company, I will mail your executed copy.

If I can be of further assistance, please let me know.

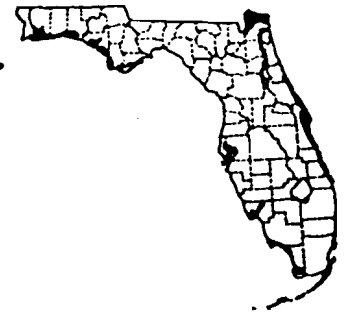
Sincerely,


Y. M. Dunn
Adm. Services, 904-752-4400



NASSAU COUNTY

BOARD OF COUNTY COMMISSIONERS



P. O. Box 1010 - Fernandina Beach, Florida 32034

DOUGLAS J. HODGES
Chairman
Dist. No. 4 Hilliard

GENE R. BLACKWELDER
Vice Chairman
Dist. No. 1 Fernandina Beach

HAZEL JONES
Dist. No. 2 Fernandina Beach

JOHN F. CLAXTON
Dist. No. 3 Yulee

JOHN F. ARMSTRONG, SR.
Dist. No. 5 Callahan

T. J. GREESON
Ex-Officio Clerk

ARTHUR I. JACOBS
Attorney

April 30, 1982

Mr. Y. M. Dunn
Administrative Services
Florida Power & Light Company
Post Office Box 1885
Lake City, FL 32055

Dear Mr. Dunn:

Please find enclosed four executed copies of the contract between Florida Power & Light and Nassau County, Florida, for a ten-year contract for High Pressure Sodium Vapor Lights. Please return a fully executed copy of said contract for our files.

If we can be of any further assistance, please notify us.

Sincerely,

T. J. Greeson
Ex - Officio Clerk

TJG:jmt

Enclosure

SUMMARY OF HIGH PRESSURE SODIUM VAPOR STREET LIGHTING
 CONVERSION PROPOSAL FOR BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY

(1) Present (Lumens-Type)	(2) Monthly kwh Usage	(3) Monthly Rate With Adjustments(\$)	(4) *Proposed Replacement (Lumens-Type)	(5) Monthly kwh Usage	(6) Monthly Rate With Adjustments(\$)
4500 MV open bottom	63	_____	5800 HPSV cut-off	30	_____
4500 MV post top	63	_____	5800 HPSV post top	30	_____
12 7000 MV open bottom	79	<u>7.62</u>	5800 HPSV cut-off	30	<u>6.23</u>
7000 MV post top	79	_____	9500 HPSV post top	42	_____
11000 MV cobra head	107	_____	9500 HPSV cut-off	42	_____
20500 MV cobra head	164	_____	22000 HPSV cut-off	62 92	_____
36500 MV cobra head	279	_____	50000 HPSV cut-off	172	_____
55000 MV cobra head	395	_____	50000 HPSV cut-off	172	_____
13000 HPSV open bottom	93	_____	16000 HPSV cut-off	42	_____
13000 HPSV post top	93	_____	16000 HPSV post top	62	_____
1000 Incandescent	37	_____	5800 HPSV cut-off	30	_____
2500 Incandescent	73	_____	5800 HPSV cut-off	30	_____
4000 Incandescent	118	_____	5800 HPSV cut-off	30	_____
6000 Incandescent	162	_____	5800 HPSV cut-off	30	_____
10000 Incandescent	250	_____	9500 HPSV cut-off	42	_____

(7) Monthly kwh Savings	(8) Monthly Savings(\$) With Adjustments	(9) Quantity	(10) Total Monthly, kwh Savings	(11) Monthly Cost Savings(\$)	(12) Annual kwh Savings	(13) Annual Cost Savings (\$)
33						
33						
49	1.39	12	588	16.68	7,056	200.16
37						
65						
102						
107						
223						
51						
31						
7						
43						
88						
132						
208						
					<u>7,056</u> Total Approximate kwh Savings	<u>200.16</u> Total Approximate Annual Cost Savings(\$)

NOTE:

CONSERVATION LIGHTING CONVERSION AGREEMENT

Form 216H (Non - Stocked) Rev. 7/81

THIS AGREEMENT, made this _____ day of _____, 19____, by and between

Board of County Commissioners, Nassau County, its successors and assigns (hereafter called the "Customer"), and FLORIDA POWER & LIGHT COMPANY, a corporation organized and existing under the laws of the State of Florida, its successors and assigns (hereafter called the "Company").

WITNESSETH

WHEREAS, the Company now serves the Customer at various locations with Company owned street lighting service and,

WHEREAS, the Company and the Customer desire to promote conservation by converting present street lighting systems of Incandescent and/or Mercury Vapor lamps to the more efficient High Pressure Sodium Vapor source,

NOW, THEREFORE, in recognition of the foregoing recitals and in consideration of the mutual covenants and agreements contained herein, the parties hereto do agree as follows:

TERMS AND CONDITIONS

1. Conversions

All conversions pursuant to this agreement will be at existing locations as indicated by the Customer records. All conversions shall conform to the replacement proposal marked Exhibit "D" and made a part hereof by this reference, unless designated otherwise by the Customer in writing or recommended otherwise by the Company and accepted by the Customer in writing according to Exhibits "B" or "C", Original Tariff Sheet Nos. 9.113 and 9.114.

2. Ownership

Such conversions will be made at the Company's expense and all poles, wires, fixtures, lamps, and other appliances, supplied and used by the Company in furnishing service herein provided for shall, at all times, be and remain the property of the Company.

3. Conversion Schedules

The Customer agrees that all scheduling and completion of designated conversions under the terms of this Agreement will be at the sole discretion and management of the Company. The Company makes no representations as to the expected completion date of the designated conversions.

4. Incorporation

The following Street Lighting Agreements(s) is (are) expressly incorporated in its (their) entirety herein and shall expire on the date that this Conservation Lighting Conversion Agreement expires as provided in paragraph five (5) herein.

<u>Parties</u>	<u>Date</u>	
James S. Stevens,	October 18, 1966	Chairman, Board of County Commissioners, Nassau County
J. P. North,	October 18, 1966	Manager, Florida Power and Light Company

This new Agreement is controlling to the extent of any inconsistency. If no such Street Lighting Agreement exists, the Customer will execute same simultaneously with the execution of this agreement.

5. Term of Contract

The Customer and the Company mutually agree that the life of this Agreement shall be for a term of ten (10) years from the date of this Agreement and shall extend thereafter for further successive periods of five (5) years from the expiration of the initial ten (10) year term, or from the expiration of any extension thereof. The Agreement shall be extended automatically unless either party shall have given written notice to the other of its desire to terminate this Agreement. The written notice shall be given not less than ninety (90) days before the date of expiration of the initial ten (10) year term, or any extension thereof.

6. Payment

The Customer agrees to take electric energy and service supplied to each street light in accordance with the rate schedule set forth in Exhibit "A", which is attached to and made part of this Agreement, or any successive rate schedule which may be approved from time to time by the appropriate regulatory authority.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed by their officers thereunto duly authorized the day and year first above written.

Witnesses for the Customers:

J. Green
Margie A. Armstrong

Witnesses for the Company:

Fernandina Beach, _____, Florida

By *Douglas Hodges*
Chairman, Board of County Commissioners,
Nassau, County.

Attest:

J. Green
Clerk,
FLORIDA POWER & LIGHT COMPANY

By

District Manager

Date

Attest:

STREET LIGHTING

RATE SCHEDULE: SL-1

RATE CODE: 987

AVAILABLE:

In all territory served.

APPLICATION:

For lighting of public ways and areas with lighting systems comprised of 10 or more luminaires.

TYPE OF INSTALLATION:

Company-owned fixtures normally will be mounted on poles of Company's existing distribution system and served from overhead wires. On request of the Customer, the Company will provide special poles or underground wires at the charges specified below.

Customer-owned systems will be of a standard type and design, permitting service and lamp replacement at no abnormal cost to the Company.

SERVICE:

Service includes lamp renewals, patrol, energy from dusk each day until dawn the following day, and maintenance of Company-owned street lighting systems. Energy will be supplied from Company's series or multiple system, at Company's option.

LIMITATION OF SERVICE:

~~If the Company is required to remove or replace existing high pressure sodium vapor luminaires under this schedule, forcing premature retirement, the Customer shall be required to pay the Company an amount equal to the original installed cost, less any salvage value, depreciated, based on the depreciation rates as approved by the Florida Public Service Commission, plus the cost of removal.~~ *DJH*

For Mercury Vapor, Fluorescent and Incandescent luminaires, no additions or changes in specified lumen output on existing installations will be permitted under this schedule after the effective date hereof, except where such additional lights are required in order to match existing installations.

Stand-by or resale service is not permitted hereunder.

MONTHLY RATE:

Luminaire Type	Lamp Size Lumens/Watts		KWH/Mo. Estimate	Charge for Company-Owned Unit (\$)				Charge for Customer-Owned Unit (\$)		
				Facilities	Maintenance	Fuel	Non-Fuel	Total	Relamping/ Energy	Energy Only
High Pressure Sodium Vapor	5,800	70	30	2.99	1.51	.76	.72	5.98	1.97	1.48
"	9,500	100	42	3.00	1.52	1.07	1.00	6.59	2.57	2.07
"	16,000	150	62	3.02	1.53	1.58	1.48	7.61	3.56	3.06
"	22,000	200	90	4.08	1.94	2.29	2.15	10.46	4.99	4.44
"	50,000	400	172	4.26	2.00	4.37	4.11	14.74	9.03	8.48

(Continued on Sheet No. 8.716)

Luminaire Type	Lamp Size Lumens/Watts		KWH/Mo. Estimate	Charge for Company-Owned Unit (\$)					Charge for Customer-Owned Unit (\$)	
				Facilities	Maintenance	Fuel	Non-Fuel	Total	Relamping/ Energy	Energy Only
High Pressure Sodium Vapor	13,000	150	62	2.31	2.54	1.58	1.48	7.91	4.81	3.06
"	25,500	250	119	4.15	1.97	3.02	2.84	11.98	6.41	5.86
"	130,000	1,000	422	6.10	3.42	10.72	10.08	30.32	22.14	20.80
Mercury Vapor	4,500	140	63	1.97	1.10	1.60	1.50	6.17	3.53	3.10
"	7,000	175	79	1.97	1.10	2.00	1.89	6.96	4.32	3.89
"	11,000	250	107	3.20	1.58	2.72	2.55	10.05	5.75	5.27
"	20,500	400	164	3.19	1.54	4.16	3.92	12.81	8.54	8.08
"	36,500	700	279	4.51	2.27	7.09	6.66	20.53	14.48	13.75
"	55,000	1,000	395	4.62	2.28	10.04	9.43	26.37	20.17	19.47
Incandescent	1,000	103	37					7.48	2.38	1.82
"	2,500	202	73					8.66	4.16	3.60
"	4,000	327	118					10.96	6.37	5.82
"	6,000	448	162					13.01	8.54	7.98
"	10,000	690	250					17.10	12.88	12.32
Fluorescent	19,800	300	125					-	6.72	6.16
"	39,600	700	271					-	13.91	13.35

* These units are closed to new Company installations.

** The energy charge of 4.85¢ per kwh (which includes a 2.50¢ per kwh fuel component and a 2.35¢ per kwh non-fuel component) must be multiplied by the revenue tax factor of 1.01609.

Charges for other Company-owned facilities:

Wood pole used only for the street lighting system	\$2.00
Concrete pole used only for the street lighting system	\$2.75
Fiberglass pole used only for the street lighting system	\$3.25
Underground conductors not under paving	1.50¢ per foot
Underground conductors under paving	3.70¢ per foot

The spacing upon which these charges are based shall be determined from Company records.

On Customer-owned street and highway systems and where Customer contracts to relamp at no cost to the Company, the Monthly Rate for energy shall be 4.85¢ per kwh of estimated usage of each unit plus adjustments.

Adjustment: The amount computed at the above Monthly Rate shall be adjusted minus or plus by an amount calculated in accordance with the formulae specified in the Company's Adjustment and Cost Recovery Clauses which are incorporated by reference as a part of this Rate Schedule and as filed with and authorized by the Florida Public Service Commission.

The Monthly Rate is increased by the specified percentage factor for each franchise area as set forth in the Franchise Fee Factor which is incorporated by reference as a part of this Rate Schedule and as filed with the Florida Public Service Commission. This percentage factor shall be applied after other appropriate adjustments.

Lights and Facilities in service for 15 days or less will not be billed;
Lights and Facilities in service for 16 days or more will be billed for a full month.

TERM OF SERVICE:

Not less than ten years.

RULES AND REGULATIONS:

Service under this schedule is subject to orders of governmental bodies having jurisdiction and to the currently effective "General Rules and Regulations for Electric Service" on file with the Florida Public Service Commission. In case of conflict between any provision of this schedule and said "General Rules and Regulations for Electric Service", the provision of this schedule shall apply.

EXHIBIT "D"

Conservation Lighting Conversion Agreement

Replacement Proposal*

<u>Present</u> (Lumens-Type)		<u>Proposed Replacement</u> (Lumens-Type)	
4500	MV open bottom	5800	HPSV cut-off
4500	MV post top	5800	HPSV post top
7000	MV open bottom	5800	HPSV cut-off
7000	MV post top	9500	HPSV post top
11000	MV cobra head	9500	HPSV cut-off
20500	MV cobra head	22000	HPSV cut-off
36500	MV cobra head	50000	HPSV cut-off
55000	MV cobra head	50000	HPSV cut-off
13000	HPSV open bottom**	16000	HPSV cut-off
13000	HPSV post top	16000	HPSV post top
1000	Incandescent	5800	HPSV cut-off
2500	Incandescent	5800	HPSV cut-off
4000	Incandescent	5800	HPSV cut-off
6000	Incandescent	5800	HPSV cut-off
10000	Incandescent	9500	HPSV cut-off

Notes:

* Except where the Company recommends otherwise due to design criteria.

** 13000 lumens high pressure sodium vapor luminaire is inefficient compared to available replacements.