

State of Florida



ORIGINAL

Public Service Commission

-M-E-M-O-R-A-N-D-U-M-

RECEIVED-FPS
01 SEP 26 AM 11:28
COMMISSION
CLERK

DATE: September 25, 2001
TO: Blanca S. Bayó, Director of Commission Clerk and Administrative Services
FROM: Christiana T. Moore, Division of Appeals *CTM*
RE: Docket No. 010982-EI - Proposed Rule 25-6.065, F.A.C., Interconnection of Small Photovoltaic Systems

Attached for filing in the above docket is a two-page attachment to the Statement of Estimated Regulatory Cost (SERC) for Rule 25-6.065, F.A.C. The SERC itself was attached to the staff recommendation that was filed on September 6, 2001, however, the attachment to the SERC was inadvertently omitted from the filing. The staff recommendation is Item 3 on the October 2, 2001, agenda.

cc: Chairman Jacobs
Commissioner Baez
Commissioner Deason
Commissioner Jaber
Commissioner Palecki
William Talbott
Dr. Mary Bane
Harold McLean
David Smith
Joe Jenkins
Lee Colson
Jim Dean
Craig Hewitt
Marlene Stern

DOCUMENT NO.
12281-01

**TAMPA ELECTRIC COMPANY
 UNDOCKETED: INTERCOMMISSION SECTION OF
 SMALL PHOTOVOLTAIC SYSTEMS
 DATA REQUEST NO. 1
 PAGE 3 OF 4
 FILED: MAY 25, 2001**

TABLE 1 Costs for Implementing Proposed Rule 25-6.065

<u>NON-RECURRING COST</u> (Occur once per customer when they install SPS)	<u>ESTIMATE</u>	
1 Cost to receive and file required agreements, certifications, and proofs	\$19	Technical Aide at district field engineering offices
A Customer certification of compliance with IEEE 929	one time	Keep records and generate work order to
B Customer certification of compliance with IEEE 1262-1995, IEC 61215, or IEC 61646	per cust	schedule any inspection or meter placement
C Customer certification of compliance with UL 1741		1 hour per customer @ loaded cost
D Customer certification of compliance with UL 1703		
E Customer certification of compliance with all applicable local codes		
F Proof of insurance		
G "Hold harmless" agreement		
2 Cost to track receipt of above items and send written notice to customer that the above certifications and proofs have been received, or not received by date certain	\$0	Included in #1 above
3 Costs to provide appropriate forms to customers seeking to interconnect an SPS	\$8	Technical Clerk at district field engineering offices
	one time	Print and mail to customer or advise
	per cust	customer on how to obtain information on web site
		0.5 hour per customer @ loaded cost
4 Cost to inspect isolation switch	\$25	Assoc. Field Service Tech at district field engineering offices
	one time	1 hour per customer @ loaded cost
	per cust	
5 Cost for time to install dual metering equipment	\$65	2 Person meter installation crew
	one time	(Lineman and Apprentice)
	per cust	1 hour of crew time @ loaded cost
6 Costs for additional record keeping (showing customer owned energy sources on circuit maps) at tagging and dispatch centers to alert linemen to presence of customer owned energy sources on distribution circuits	\$35	Drafting to revise circuit maps
	one time	1.5 hour per customer @ loaded cost
	per cust	
7 Cost of additional long term record storage	\$2	Cost of putting into long term storage
	one time	Microfilm & store 4 documents with the work order
	per cust	for meter placement
 <u>RECURRING COSTS</u> (Occur on a yearly basis)		
8 Cost to read meter and calculate bill for dual metered customers (incremental above normal costs)	\$10	Extra meter reading time
Note: If program growth justifies automation of hand billing process, recurring cost will be greatly reduced	per yr per cust	Mtr. Serv. Rep. 2 min per customer per mo @ loaded cost
	\$154	Hand calculation of bill, tracking bill credits (if any)
	per yr per cust	Special Billing 30 min per customer per mo @ loaded cost
9 Capital cost of additional equipment for dual metering	\$14	Annual capitalized cost for dual metering equipment
	per yr per cust	
10 Costs for additional time and effort for tagging and obtaining clearances required when working on affected distribution circuits	\$2	Lineman is delayed 15 min per SPS circuit worked
	per yr per cust	Assume each SPS circuit needs work every 5 yrs
		Average cost per year over 5 years
		Assume each SPS is on a separate circuit
11 Cost of periodically checking for insurance coverage	\$23	Sr. Admin. Spec for checking once per year per customer
	per yr per cust	1 hour per customer @ loaded cost
 <u>ONE TIME SET-UP COSTS</u>		
12 Cost to prepare requirement for isolation switch	One time cost \$534	Engineering labor and management review
	Cost spread over 5 yr \$107	
13 Cost to prepare forms and "hold harmless" agreement	One time cost \$981	Legal and risk management review
	Cost spread over 5 yr \$196	
14 Cost to set up billing procedures to handle new rate	One time cost \$427	Technical labor and management review
	Cost spread over 5 yr \$85	To set up hand billing for new rate

TAMPA ELECTRIC COMPANY
 UNDOCKETED: INTERSECTION OF
 SMALL PHOTOVOLTAIC SYSTEMS
 DATA REQUEST NO. 1
 PAGE 4 OF 4
 FILED: MAY 25, 2001

TABLE 2 Summation of Costs for Implementing Proposed Rule 25-6.065 Over the Initial Five Year Period

YEAR	1	2	3	4	5
NEW CUST.	2	2	2	2	2
CUM. CUST.	2	4	6	8	10
ITEM NO.					
1	\$39	\$39	\$39	\$39	\$39
2	\$0	\$0	\$0	\$0	\$0
3	\$16	\$16	\$16	\$16	\$16
4	\$51	\$51	\$51	\$51	\$51
5	\$129	\$129	\$129	\$129	\$129
6	\$70	\$70	\$70	\$70	\$70
7	<u>\$4</u>	<u>\$4</u>	<u>\$4</u>	<u>\$4</u>	<u>\$4</u>
Total Non-Recurring Per year	\$308	\$308	\$308	\$308	\$308
8	\$21	\$41	\$62	\$82	\$103
	\$308	\$616	\$924	\$1,233	\$1,541
9	\$29	\$57	\$86	\$115	\$143
10	\$4	\$8	\$12	\$16	\$20
11	<u>\$47</u>	<u>\$93</u>	<u>\$140</u>	<u>\$186</u>	<u>\$233</u>
Total Recurring Per year	\$408	\$816	\$1,224	\$1,632	\$2,040
12	\$107	\$107	\$107	\$107	\$107
13	\$196	\$196	\$196	\$196	\$196
14	<u>\$85</u>	<u>\$85</u>	<u>\$85</u>	<u>\$85</u>	<u>\$85</u>
Total Levelized Set-Up Cost Per Year	\$388	\$388	\$388	\$388	\$388
Total Per Year All Costs	\$1,105	\$1,512	\$1,920	\$2,328	\$2,736
Cumulative Costs All Costs	\$1,105	\$2,617	\$4,537	\$6,866	\$9,602