



March 20<sup>th</sup>, 2014

Ms. Carlotta Stauffer  
Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 332990-0850

RE: Reports for Sections 366.92 (5) F.S. and 366.91 (6) F.S.

Dear Ms. Stauffer:

Please find enclosed two documents for filing. The first is Lee County Electric Cooperative, Inc. (LCEC) Standards for Renewable Energy, Conservation and Energy Efficiency Report for April 1, 2014. This report is pursuant to Section 366.92 (5) F.S.

The second is the Interconnection and Net Metering of Customer Owned Renewable Generation Report for the period ending December 31<sup>st</sup>, 2013. This report is pursuant to Rule 25-6.065 (10) F.A.C. and meets requirements for Section 366.91 (6) F.S.

If you have questions regarding this filing, please contact me at (239) 656-2347.

Sincerely,

s/ Frank R. Cain, Jr., Director  
Regulatory and Governmental Relations and Chief Risk/Compliance Officer

## **Standards for Renewable Energy, Conservation, and Energy Efficiency To Meet Reporting Requirements under Florida Statutes, Section 366.92, for April 1, 2014**

### **Renewable Energy Resources**

LCEC is a Distribution Cooperative serving more than 202,000 customers in southwest Florida. LCEC's system is divided into two separate geographical areas, north and south, and purchases all of its power requirements under all-requirements, wholesale power contracts with two power suppliers. LCEC has limited ability to expand large scale renewable generation capacity. LCEC encourages the acquisition of renewable resources by its power suppliers through on-going interactions with large scale renewable opportunities within its service territory and referring them to its power suppliers. These power suppliers purchase and/or generate renewable capacity and energy from a variety of sources including landfill gas, wood biomass, municipal solid waste and central photovoltaic. For additional information on renewable generation capacities of LCEC wholesale power suppliers, please refer to the "Standards for Renewable Energy, Conservation and Energy Efficiency" filings for Seminole Electric Cooperative, Inc. and for Florida Power and Light Company.

LCEC have net metering services for member owned renewable generation. Also, LCEC continued the implementation of the Net Metering Rider revision to mitigate the adverse impact associated with member transitions to the Net Metering Rate. At the end of 2013, there were 150 member owned renewable generation systems. The total capacities of these systems were 695 kilowatts and were comprised of small rooftop photovoltaic systems.

In continuing to promote the growth of member owned small scale renewable generation systems, LCEC has provided customer education and information on the net metering program in conjunction with its energy efficiency outreach efforts. These efforts include newsletters articles and community and civic events presentations.

LCEC will continue to evaluate, promote and interconnect to distributed small scale renewable generation. LCEC has and will consider changes to its net metering program that increases value to its members and expand small scale renewable generation applications.

### **Energy Conservation and Efficiency Measures**

LCEC actively promotes and encourages the expansion of cost effective conservation and energy efficiency directly to its members. LCEC's portfolio of customer oriented energy conservation and efficiency measures include:

- "KiloWATCH", the web based customer usage information and notification program;
- The Virtual Energy Advisor program;
- On-line residential and commercial energy surveys;

- On-site residential and commercial energy audits;
- Customer education on energy efficiency on website, newsletters and outreach opportunities;
- Residential load management;
- Interruptible rate load management; and
- Back-up generation for peak reduction.

LCEC “KiloWATCH” program helps customers manage their daily energy consumption in near real time. It provides web based daily energy use information to single meter account customers and allows these customers to receive email notifications and or phone alerts when daily energy usage is above a customer selected threshold level. In 2013, the “KiloWATCH” program had 333,283 usage hits and 1,323 customers had opted for energy use threshold notifications.

The LCEC Virtual Energy Advisor program provides callers direct access to an accredited energy advisor to respond to callers’ seeking energy conservation and energy efficiency advice and or to help callers conduct home energy audits. In 2013, LCEC energy advisors completed 186 virtual energy audits.

LCEC’s on-line and on-site residential and commercial energy audits provide its members free screenings to identify their energy consumption patterns and make recommendations to reduce energy use and to improve the energy efficiency of their end-use equipment. In 2013, 298 on-line energy audits were completed by 343 LCEC members. Additionally, LCEC staff energy advisors completed 782 residential and 72 commercial on-site energy audits. These energy audits serve to help its members better understand what causes high energy consumption and provide them practical solutions for corrective action.

LCEC’s marketing plan includes customer education efforts promoting energy conservation and energy efficiency. Energy efficiency information is provided to customers through LCEC’s website, monthly newsletters and community outreach programs. Presentations on energy efficiency and net metering were given at civic events, home-owners associations meetings, community festivals and at public schools and colleges. In 2013, 19 presentations were made to LCEC member events. Through numerous promotions, customers were directed to LCEC’s web based energy analysis tools that provide answers to customers’ what-if questions on uses of energy efficient appliances in place of standard appliances. They effectively evaluate energy efficiency alternatives.

LCEC has three load management programs consisting of Residential Direct Load Control, Interruptible Service and Back-up Generation. All three programs combined to provide for peak load management and significant system energy reductions in 2013.

LCEC will evaluate cost effective conservation and energy efficiency measures through in-house research and seeks to implement those measures that offer value to its members. In addition LCEC participates with other Cooperative members in workshops offered by one of its power suppliers for developing and implementing energy conservation and efficiency measures.

**Lee County Electric Cooperative, Incorporated**  
**Interconnection and Net Metering of Customer-Owned Renewable Generation Report**  
**(for Period Ending December 31, 2013)**

This report is being filed pursuant to Rule 25-6.065, F.A.C. and meets requirements for Section 366.91 (6) F.S.

**10(a)** Total number of customer-owned renewable generation interconnection as of the end of the 2013 calendar year: 150

**10(b)** Total kW capacity of customer-owned renewable generation interconnected as of the end of the 2013 calendar year: 694.95 kW

**10(c)** Total kWh received by interconnected customers from the electric utility:

Month	kWh Received by Interconnected Customers
January	140,224
February	132,718
March	143,627
April	134,243
May	142,007
June	153,247
July	171,093
August	190,514
September	189,290
October	174,407
November	157,360
December	154,591
Annual Total	1,883,321

**10(d)** Total kWh of customer -owned renewable generation delivered to the electric utility:

Month	kWh Delivered to Utility
January	24,952
February	29,823
March	34,013
April	36,375
May	33,189
June	26,539
July	20,796
August	20,891
September	22,252
October	22,091
November	24,177
December	22,584
Annual Total	317,682

**10(e)** Total energy payments made to interconnected customers for customer-owned renewable generation delivered to the electric utility:

Total Energy Payments in 2013	Total Energy Payments for All Years
<u>\$1,244.26</u>	<u>\$4,492.38</u>

**10(f)** Customer-Owned Renewable Generation Interconnection Information

	10 (f) (1)	10 (f) (2)	10 (f) (3)	10 (f) (4)
Customer No.	Renewable Technology Utilized	Gross Power Rating (kW)	Location by County	Date Interconnected
1	PV	3.50	Lee	11-Aug-09
2	PV	2.10	Collier	14-Sep-09
3	PV	5.20	Lee	25-Aug-09
4	PV	5.07	Lee	17-Nov-09
5	PV	5.70	Lee	2-Dec-11
6	PV	2.20	Lee	22-Jan-10
7	PV	5.40	Lee	21-Jan-10
8	PV	7.88	Lee	27-Apr-10
9	PV	5.30	Lee	10-May-10
10	PV	5.61	Lee	18-Apr-12
11	PV	6.00	Lee	8-Jun-10
12	PV	4.80	Lee	28-Aug-09
13	PV	18.00	Lee	3-Aug-09
14	PV	2.50	Lee	3-Aug-09
15	PV	5.04	Lee	19-Nov-12
16	PV	2.09	Lee	27-Jun-11
17	PV	5.20	Lee	25-Aug-09
18	PV	2.00	Lee	3-Jan-10
19	PV	4.80	Lee	25-Aug-09
20	PV	0.68	Lee	1-Jun-10
21	PV	8.40	Lee	16-Sep-10
22	PV	3.00	Lee	20-Apr-11
23	PV	4.59	Lee	30-Dec-09
24	PV	5.00	Lee	25-May-10
25	PV	5.16	Lee	1-Dec-09
26	PV	4.50	Lee	15-Apr-10
27	PV	5.32	Lee	24-Jul-09
28	PV	5.00	Lee	7-Jul-09
29	PV	12.60	Collier	20-Mar-11
30	PV	7.20	Collier	20-Mar-11
31	PV	6.00	Lee	20-Jul-11
32	PV	4.92	Lee	17-Feb-10

33	PV	3.00	Lee	4-Sep-09
34	PV	5.00	Lee	20-Apr-10
35	PV	5.13	Lee	12-Aug-09
36	PV	2.87	Lee	25-May-10
37	PV	5.30	Lee	25-Oct-09
38	PV	2.30	Lee	7-Dec-11
39	PV	5.04	Lee	9-Nov-09
40	PV	7.20	Lee	14-Nov-12
41	PV	13.20	Lee	23-Feb-10
42	PV	4.92	Lee	22-Jan-10
43	PV	5.00	Lee	13-Aug-09
44	PV	5.64	Lee	1-Jun-12
45	PV	5.30	Lee	28-Jan-10
46	PV	5.00	Lee	2-Oct-09
47	PV	2.50	Lee	31-Aug-09
48	PV	5.46	Lee	24-May-11
49	PV	4.80	Lee	12-Nov-09
50	PV	2.53	Lee	2-Jun-11
51	PV	5.06	Lee	4-Apr-10
52	PV	5.06	Lee	19-Apr-10
53	PV	2.20	Lee	5-May-10
54	PV	2.64	Lee	8-Jun-10
55	PV	1.30	Lee	16-May-11
56	PV	4.38	Lee	12-Dec-09
57	PV	2.10	Collier	9-Jun-10
58	PV	4.70	Lee	27-Aug-09
59	PV	5.56	Lee	1-Oct-12
60	PV	3.80	Lee	21-Dec-09
61	PV	5.06	Lee	26-Jan-10
62	PV	0.77	Lee	12-Mar-12
63	PV	1.53	Lee	12-Mar-12
64	PV	2.30	Lee	12-Mar-12
65	PV	0.38	Lee	12-Mar-12
66	PV	0.38	Lee	12-Mar-12
67	PV	0.77	Lee	12-Mar-12
68	PV	0.77	Lee	12-Mar-12
69	PV	0.38	Lee	12-Mar-12
70	PV	0.77	Lee	12-Mar-12
71	PV	0.77	Lee	12-Mar-12
72	PV	0.77	Lee	12-Mar-12
73	PV	0.77	Lee	12-Mar-12
74	PV	1.15	Lee	12-Mar-12
75	PV	1.15	Lee	12-Mar-12
76	PV	4.70	Lee	17-Aug-13
77	PV	2.00	Lee	19-Aug-09
78	PV	4.90	Lee	3-Jun-11
79	PV	5.00	Lee	6-Nov-12

80	PV	2.40	Lee	3-Mar-10
81	PV	4.00	Lee	10-Jun-11
82	PV	3.68	Lee	27-Apr-10
83	PV	5.10	Lee	1-Aug-09
84	PV	4.83	Lee	25-Jun-10
85	PV	5.20	Lee	1-Sep-09
86	PV	3.00	Collier	28-Sep-09
87	PV	4.95	Lee	26-Apr-11
88	PV	4.92	Lee	13-Apr-10
89	PV	5.00	Lee	20-Aug-09
90	PV	5.32	Lee	21-Mar-11
91	PV	5.04	Lee	26-Jul-10
92	PV	3.20	Lee	4-Dec-09
93	PV	3.90	Lee	13-Jul-09
94	PV	10.00	Lee	27-Jul-10
95	PV	10.00	Lee	27-Jul-10
96	PV	8.60	Collier	25-Jan-11
97	PV	4.80	Lee	21-Mar-12
98	PV	3.04	Lee	27-May-10
99	PV	5.00	Lee	4-Aug-10
100	PV	5.20	Lee	4-Jan-10
101	PV	4.29	Lee	21-Sep-09
102	PV	5.00	Lee	22-May-09
103	PV	4.92	Lee	28-Feb-10
104	PV	4.95	Lee	1-Aug-12
105	PV	6.00	Lee	5-May-10
106	PV	5.98	Lee	24-Jan-12
107	PV	5.30	Lee	5-Apr-10
108	PV	5.32	Lee	24-Jul-09
109	PV	5.98	Lee	25-Nov-09
110	PV	5.00	Lee	24-May-10
111	PV	4.80	Lee	3-Feb-10
112	PV	3.00	Lee	14-Jul-09
113	PV	10.00	Lee	22-Aug-11
114	PV	10.00	Lee	22-Aug-11
115	PV	3.28	Lee	17-Aug-09
116	PV	6.30	Lee	1-Jul-10
117	PV	5.30	Lee	21-Oct-10
118	PV	4.14	Lee	10-Feb-10
119	PV	4.80	Collier	6-Oct-11
120	PV	5.00	Lee	27-Jul-11
121	PV	2.80	Lee	18-May-10
122	PV	4.20	Lee	25-Oct-10
123	PV	5.00	Lee	27-Jun-12
124	PV	7.50	Lee	13-Feb-12
125	PV	8.00	Lee	10-Jan-10
126	PV	4.00	Lee	10-Jan-12

127	PV	9.60	Lee	14-Nov-12
128	PV	3.80	Lee	1-Jun-10
129	PV	4.30	Lee	19-Apr-10
130	PV	3.50	Lee	27-Jul-09
131	PV	5.25	Lee	27-Jul-09
132	PV	2.76	Lee	26-May-10
133	PV	5.70	Collier	31-Dec-09
134	PV	4.88	Lee	28-Feb-11
135	PV	6.50	Lee	18-Dec-09
136	PV	4.00	Lee	22-Sep-09
137	PV	5.88	Collier	15-Jun-10
138	PV	8.10	Lee	12-Jan-11
139	PV	5.17	Lee	26-Jun-12
140	PV	5.05	Lee	18-Mar-11
141	PV	3.10	Lee	2-Nov-09
142	PV	9.79	Lee	30-Aug-13
143	PV	1.65	Lee	16-Sep-13
144	PV	6.00	Lee	9-Oct-13
145	PV	1.75	Lee	8-Aug-13
146	PV	7.50	Lee	18-Oct-13
147	PV	2.90	Lee	19-Feb-13
148	PV	2.50	Lee	16-May-13
149	PV	2.40	Lee	8-Mar-13
150	PV	2.80	Lee	6-Jun-13

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	Total	694.95		
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