

Standards for Renewable Energy, Conservation, and Energy Efficiency To Meet Reporting Requirements under Florida Statutes, Section 366.92, for April 1, 2016

Renewable Energy Resources

CHELCO is a Distribution Cooperative serving more than 48,000 customers in northwest Florida. CHELCO's purchases all of its power requirements under an all-requirements, wholesale power contract with our power supplier, Powersouth.

CHELCO has limited ability to expand large scale renewable generation capacity. CHELCO encourages the acquisition of renewable resources by its power supplier through on-going interactions with large scale renewable opportunities within its service territory and referring consumers to our Green Power purchase program which allows a member to purchase renewable energy from sources including landfill gas and a commercial wind farm.

CHELCO has net metering services for member owned renewable generation. At the end of 2015, there were 62 member-owned renewable generation systems. The total capacities of these systems were 235 kilowatts and were comprised of small photovoltaic systems and one small windmill.

In continuing to promote the growth of member owned small scale renewable generation systems, CHELCO 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.

CHELCO will continue to evaluate, promote and interconnect to distributed small scale renewable generation. CHELCO 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

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

- Billing and Energy Insights, a web based customer usage information program;
- MyUsage.com, a web based customer usage and alert 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 water heater load management;
- Touchstone Energy efficiency new home program;
- Manufactured home standard heat pump, dual fuel heat pump, mini-split heat pump and geothermal heat pump rebate programs.

CHELCO MyUsage.com 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.

The CHELCO Billing and Energy Insights program provides callers direct access to an accredited

energy advisor to respond to customers seeking energy conservation and energy efficiency advice and or to conduct home energy audits.

CHELCO's on-site residential and commercial energy audits provide its members 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 2015, CHELCO implemented a fee for residential energy audits of \$19 and a fee reimbursement program by which the member can recover the \$19 fee by implementing at least one recommended conservation measure within six months of the site audit. Staff energy advisors completed 124 residential and 16 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.

CHELCO's marketing plan includes customer education efforts promoting energy conservation and energy efficiency. Energy efficiency information is provided to customers through CHELCO'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. Through numerous promotions, customers were directed to CHELCO'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.

CHELCO will introduce a water heater load management program, titled Switch to Save in early-2016 consisting of Residential Direct Load Control.

The CHELCO Touchstone Energy Efficiency Home Program encourages energy efficient home construction practices to local builders and prospective homeowners. CHELCO established this program over 30 years ago and has amended the program requirements to certify a home as meeting the programs standards many times over the programs life to reflect the changes to energy efficiency measures.

CHELCO, through funding from its power supplier, provides rebates for the installation of standard heat pumps in new and existing manufactured housing, dual fuel, mini-split heat pump and geothermal heat pumps in new and existing on-site constructed housing. The rebates are based on the heat pumps efficiency rating and capacity. Minimum efficiency ratings and heat pump sizing calculations are required for eligibility to participate.

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

NET METER ACCOUNTS 2015

Map Number	Reading Message	County	Interconnect Date
21518006	Solar Array 6 KW 2GBS WKL-BD-0L	Walton	29-OCT-2014
29516039	--0L OP SIGN .49 kW Solar Interconnction	Walton	12/APR/2013
35319242	5 kW SOLAR ARRAYSHEDED -0LR	Walton	24-MAR-2015
28919028	OR OB Interconnection Site Solar Array 3kW	Okaloosa	29-DEC-2014
29506102	OR .49 kW Solar Interconnction	Walton	12-APR-2013
29511043	HWY331 SOUTH OL OP.49 kW Solar Interconnction	Walton	12-APR-2013
29501016	OR.49 kW Solar Interconnction	Walton	12-APR-2013
11024001	3kW Solar-Interconnection -OR GATE CHELCO LOCK	Walton	31-MAR-2009
33225114	GBR SIGN OR B4 HWY98 .49 Solar Array Interconnection	Walton	15-APR-2013
28913070	Interconnection Site Solar Array 5.17kW--OLL	Okaloosa	29-DEC-2014
35313119	5.25kW Solar-Interconnection GL -OLRR DOGS (2 readings)	Walton	28-OCT-2009
28902134	5.25kW Solar-Interconnection -OLR (2 readings)	Okaloosa	04-JAN-2010
28909349	GSR WKL OP.49 kW Solar Interconnction	Okaloosa	12-APR-2013
19522017	2GBR OR SIGN - -0R.49 Solar Array Interconnection	Walton	15-APR-2013
10619105	--OL SIGN .49 Solar Array Interconnection	Okaloosa	15-APR-2013
28917207	5kW Interconnection solar array	Okaloosa	17-SEP-2009
19502017	OR SIGN .49 Solar Array Interconnection	Walton	15-APR-2013
31502057	5kW Solar-Interconnection OL	Walton	01-SEP-2010
08409007	1kW Solar-Interconnection	Okaloosa	08-MAY-2008
19506007	7.6kW Solar-Interconnection -0L	Walton	01-JUL-2009
28906205	6.3kW Solar-Interconnection--OLR 2 READS HERE	Okaloosa	20-APR-2010
00724002	5kW Solar - Interconnection	Okaloosa	01-MAY-2009
28909322	.49 kW Solar Array --OL ADVERT POLE	Okaloosa	18-DEC-2014
27522091	- -0L.49 kW Solar Interconnction	Walton	12-APR-2013
10709001	--0L Interconnection Site 5kW Solar Array	Okaloosa	14-JUL-2015
33322011	--ORL SIGN .49 Solar Array Interconnection	Walton	15-APR-2013
33322001	-HWY98R OR SIGN .49 Solar Array Interconnection	Walton	15-APR-2013
33302072	Interconnection site - Solar Array 5kW--OL	Walton	09-MAR-2015
04809008	2.5kW Wind Turbine-Interconnection LOG-HOUSE-OL	Okaloosa	03-NOV-2009
14904178	--GB-OI 1kW Interconnection Solar Array	Okaloosa	22-FEB-2012
27424013	30kW Solar Interconnection Site	Walton	24-MAY-2012
27309082	GR OR BILLBOARD START .49 kW Solar Interconnction	Walton	12-APR-2013
31409111	--GB OL OP.49 kW Solar Interconnction	Walton	23-APR-2013
29516069	--GRL OL ADVERT SIGN.49 kW Solar Interconnction	Walton	12-APR-2013
33521013	5kW Solar-Interconnection --OLL (2 readings)	Walton	30-AUG-2009
37507431	Interconnection Site - Solar Array 5kW -ORR	Walton	04-MAR-2015
27522110	.49 kW Solar Interconnction	Walton	12-APR-2013
16202023	4.32kW Solar-Interconnection	Okaloosa	11-JUN-2010
14904194	1.44 kW Solar Interconnection	Okaloosa	24-SEP-2012
35318291	3.78kW Solar-Interconnection -ORR (2 READINGS) gate	Walton	09-MAR-2010
16316040	Interconnection site - Solar Array 7.28kW	Okaloosa	24-JUL-2015
33523084	Interconnection Site - Solary Array 5 KW	Walton	4-Nov-15
28909358	Interconnection Site Solar Array .245 kw	Okaloosa	30-OCT-2014
37506578	12KW SOLAR-INTERCONNECTION -ORR (2-readings)	Walton	21-APR-2011
10603104	Interconnection Site 5.1 kW Solar Array	Okaloosa	21-NOV-2014
31409114	.49 Solar Array Interconnection	Walton	15-APR-2013
19413007	5.2 Solar Interconnection	Walton	29-JUL-2013
29506123	.49 Solar Array Interconnection	Walton	15-APR-2013
29506122	.49 Solar Array Interconnection	Walton	15-APR-2013
29425178	Interconnection Solary Array .49	Walton	18-DEC-2014
31409115	.49 Solar Array Interconnection	Walton	15-APR-2013
37410440	5.1kW Solar-Interconnection	Walton	09-AUG-2012
29414014	Interconnect Site 9.98 kW Solar Array	Walton	04-NOV-2013
31405041	Interconnection Site .49 Solar Array	Walton	18-DEC-2014
21518022	6.8kW Solar-Interconnection	Walton	29-MAR-2013
10612062	5KW Solar Array Interconnection	Okaloosa	11-SEP-2013

31405041	Interconnection Site .49 Solar Array	Walton	18-DEC-2014
21518022	6.8kW Solar-Interconnection	Walton	29-MAR-2013
10612062	5kW Solar Array Interconnection	Okaloosa	11-SEP-2013
29521072	Interconnection Site .49 kW Solar Array	Walton	18-DEC-2014
06623018	5 kW Solar Array	Okaloosa	09-APR-2015
37506575	5kW Solar- Interconnection -OLR (2readings)	Walton	26-AUG-2013
35422197	12.96kW Solar Array Interconnection	Walton	30-SEP-2014
35422189	12.96 kW Solar - Interconnection -GS OL OB 2ND FLOOR KEY	Walton	20-MAY-2011
26923083	5.5 kW Solar array Interconnection site --OLR	Okaloosa	10-SEP-2012
TOTAL KW		235	

2015 Net Meter KWh purchased by CHELCO

	KWh Credit	KWh Purchased
Month		
Jan	<\$612.82>	8,297
Feb	<\$678.42>	9,193
Mar	<\$636.72>	9,543
Apr	<\$767.42>	11,351
May	<\$786.58>	11,634
Jun	<\$872.39>	13,926
Jul	<\$636.04>	10,224
Aug	<\$673.17>	10,856
Sep	<\$685.45>	11,131
Oct	<\$659.91>	10,690
Nov	<\$739.85>	11,933
Dec	<\$582.63>	9,377
2015 Total	<\$8,331.40>	128,155

Energy/Cost of Energy Purchased by Net Billed Accts.

	KWH Sales	KWh Sold
2015		
Jan	\$2,211.70	63,918
Feb	\$2,726.43	78,616
Mar	\$2,584.53	74,446
Apr	\$2,331.28	67,032
May	\$2,350.70	67,556
Jun	\$2,935.35	84,244
Jul	\$3,366.80	96,536
Aug	\$3,976.93	114,022
Sep	\$4,215.02	120,796
Oct	\$3,300.40	94,646
Nov	\$2,500.39	71,830
Dec	\$2,476.59	71,198
Annual Totals	\$34,976.12	1,004,840

2016 CHELCO Invoiced Green Power

Invoiced Green Power 2015							
Accountno	First Name	Last Name	Map #	Description	Rate Cod	Unitcost	Total KWh
59534867	Cynthia	Paolo	012-25-010	Green Power Choice \$2.00 per 100 KWH Block	R1	10	120
980120588	Norman	Theberge	113-25-052	Green Power Choice \$2.00 per 100 KWH Block	R1	4.00	4800
3034221808	Tommie	Gipson	135-17-122	Green Power Choice \$2.00 per 100 KWH Block	RSPP-1	20.00	24000
205103963	Crystal	Boyles	164-12-035	Green Power Choice \$2.00 per 100 KWH Block	R1	4.00	4800
62650981	Ruby	Pfahlert	175-25-019	Green Power Choice \$2.00 per 100 KWH Block	R1	8.00	9600
53662961	Thomas	Stiles	268-25-110	Green Power Choice \$2.00 per 100 KWH Block	R1	4.00	4800
202123444	William	Stephens	269-22-016	Green Power Choice \$2.00 per 100 KWH Block	R1	6.00	7200
9000011824	Scott	Gregory	274-18-033	Green Power Choice \$2.00 per 100 KWH Block	R1	4.00	3600
206054777	Jerry	Mallory	288-05-025	Green Power Choice \$2.00 per 100 KWH Block	R1	4.00	800
203091558	Lester	Smith	289-02-147	Green Power Choice \$2.00 per 100 KWH Block	R1	4.00	4800
31132608	Todd	Tuckey	289-07-295	Green Power Choice \$2.00 per 100 KWH Block	R1	20.00	24000
200128957	Earl	Drain	291-06-081	Green Power Choice \$2.00 per 100 KWH Block	R1	10.00	12000
950113456	Shelley	Murphy	333-01-013	Green Power Choice \$2.00 per 100 KWH Block	RSPP-1	4.00	4800
205056740	Rebecca	Stark	333-06-089	Green Power Choice \$2.00 per 100 KWH Block	R1	12.00	14400
970000667	Allison	Yii	334-18-009	Green Power Choice \$2.00 per 100 KWH Block	R1	2.00	2400
204089361	Janet	Foltz	353-14-053	Green Power Choice \$2.00 per 100 KWH Block	R1	8.00	9600
202005179	Carol	Geary	375-10-094	Green Power Choice \$2.00 per 100 KWH Block	R1	8.00	9600
				Total Blocks Purchased in 2015			1532
				Total Green Power Choice KWh purchased			153200