BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of Duke)	·
Energy Ohio for Approval of a Market)	
Rate Offer to Conduct a Competitive)	
Bidding Process for Standard Service)	Case No. 10-2586-EL-SSO
Offer Electric Generation Supply,)	
Accounting Modifications, and Tariffs for)	
Generation Service.)	

VOLUME IV

TESTIMONY

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DUKE ENEDGY	OHIO EXHIBIT	
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		,

DIRECT TESTIMONY OF

JEFFREY R. BAILEY

ON BEHALF OF

DUKE ENERGY OHIO, INC.

November 15, 2010

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JRB-1: Rate Conversion Process

JRB-2: Development of Seasonal and Time of Day Factors

JRB-3: Estimated Rate Impacts

I. . INTRODUCTION

1	Q.	PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
2	A.	My name is Jeffrey R. Bailey, and my business address is 1000 East Main Street,
3		Plainfield, Indiana 46168.
4	Q.	BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?
5	A.	I am employed by Duke Energy Business Services, LLC (DEBS) as Director, Rate
6		Design and Analysis. DEBS provides various administrative and other services to
7		Duke Energy Ohio, Inc. (Duke Energy Ohio or the Company) and other affiliated
8		companies of Duke Energy Corporation (Duke Energy).
9	Q.	PLEASE BRIEFLY DESCRIBE YOUR EDUCATION AND
10		PROFESSIONAL EXPERIENCE.
11	A.	I received Bachelor of Science degrees in Industrial Management and Engineering
12		from Purdue University, West Lafayette, Indiana. I also received from Purdue
13		University a Master of Science degree majoring in Industrial Engineering.
14		I was employed by Duke Energy Indiana, Inc. (then known as PSI Energy,
15		Inc.) in July of 1990 as Supervisor, Rate Engineering. I was subsequently
16		promoted to Manager, Rate Engineering in 1991. I have held several positions in
17		the Rate, Pricing, and Market Planning areas for Duke Energy Indiana and its
18		affiliates (Cinergy Services, Inc., which later merged into DEBS) following the
19		Cinergy Corp. / PSI Energy, Inc. / The Cincinnati Gas and Electric Company
20		transaction in 1994. In 1997, I accepted the position of Manager, Sales Analysis.
21		In 2000, I joined the Financial Operations Department where I held the positions

1	of Manager, Financial Projects, and Manager, Finance. I returned to the Rate
2	Department in mid-2002. Following the merger of Cinergy Corp. with Duke
3	Power, I assumed my current position in the fall of 2006.

Before joining Duke Energy Indiana in July of 1990, I was employed by the Indiana Utility Regulatory Commission. I began my employment there in 1983 as a Staff Engineer. I was promoted through several positions of increasing responsibility at the Commission, the last of which was Assistant Chief Engineer. My primary responsibility as Assistant Chief Engineer for the Commission was the supervision of the gas and electric sections that investigated rate and regulatory matters pending before the Commission.

11 Q. PLEASE DESCRIBE YOUR DUTIES AS DIRECTOR OF RATE DESIGN

12 AND ANALYSIS.

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A. As Director, Rate Design and Analysis, my primary responsibility is the development of Duke Energy's rates and charges, including those rates and charges as may be contained in tariffs, agreements, or contracts for electric service.

17 Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC 18 UTILITIES COMMISSION OF OHIO?

19 A. Yes, I have presented testimony at the Public Utilities Commission of Ohio
20 (Commission) and several other regulatory jurisdictions where Duke Energy has
21 customers.

1	Q.	WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS
2		PROCEEDING?
3	A.	The purpose of my testimony in this proceeding is to: (i) explain how the results
4		of the proposed competitive bidding process (CBP) will be converted to retail
5		rates; (ii) describe the development of seasonal and time-differentiated pricing
6		options; and, (iii) discuss schedules illustrating the estimated impacts of the
7		proposed rate design in this proceeding by rate schedule.
8	Q.	WHAT ARE THE ATTACHMENTS AND SCHEDULES FOR WHICH
9		YOU ARE RESPONSIBLE?
10	A.	I am sponsoring all or part of the following exhibits:
11		Attachment JRB-1, Development of Seasonal and Time of Day Factors;
12		Attachment JRB-2, Rate Conversion Process; and
13		Attachment JRB-3, Estimated Rate Impacts.
		II. <u>DISCUSSION OF RETAIL RATE CONVERSION PROCESS</u>
14	Q.	HOW WILL THE RESULTS OF THE CBP BE CONVERTED INTO
15		RETAIL RATES?
16	A.	The Company's proposed CBP price for generation supply will result in multiple
17		clearing prices for each year of standard service offer (SSO) service. The clearing
18		prices will be averaged using the number of tranches purchased at each price as
19		weights to obtain the Blended Competitive Bid Price. The Company will utilize a
20		wholesale to retail rate conversion process to convert the Blended Competitive

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Bid Price to a retail rate, referred to as the Standard Service Offer Generation

1		Charge (5500C). For purposes of this ming, the Company has chosen in the first
2		period of the MRO to "blend" the SSOGC with its current retail prices, with a
3		10% contribution from the SSOGC rate and a 90% contribution from its current
4		retail prices. More detail on this blending process can be found in the testimony of
5		Company witnesses James E. Ziolkowski and William Donald Wathen Jr.
6	Q.	PLEASE DESCRIBE IN MORE DETAIL HOW THE CBP PRICE WILL
7		BE CONVERTED TO A RETAIL RATE.
8	A.	Any capacity-related costs associated with the CBP will be allocated to the
9		respective rate classes based on the average of their coincident peaks, including
10		distribution losses, for the months of June through September of the prior year (4
11		CP Method). These capacity costs will then be converted to energy charges based
12		on the applicable kWh sales level for each class and further adjusted for
13		commercial activity taxes.
14		Energy charges will be calculated for each class based upon the remaining
15		non-capacity CBP price adjusted for losses and commercial activity taxes.
16		The results of both capacity- and energy-related charges will be further
17		modified for seasonal and time-of-day factors for billing purposes, as further
18		discussed below, and the appropriate portion included in Rider MRO discussed by
19		Mr. Ziolkowski.
20	Q.	WHY DOES THE COMPANY CONSIDER THE 4 CP METHOD
21		APPROPRIATE?

¹ Duke Energy Ohio has used peak demand data from calendar year 2009 for illustrative purposes.

- 1 A. The Company has historically peaked during the summer period, and the
- 2 Company's tariffs have provisions, like the ratchet for billing demand, tied to the
- 3 summer period. In addition, the 4 CP Method is reasonably supported, based
- 4 upon the Federal Energy Regulatory Commission (FERC) factor tests to
- 5 determine the appropriateness of coincident peaks for cost allocation purposes.
- 6 Because electric heating does not contribute to the 4 CPs, there is no allocation of
- 7 capacity-related costs to these groups.
- 8 Q. HAS THE COMPANY PRODUCED A LOSS STUDY FOR THE
- 9 CONVERSION OF THE CBP PRICE TO RETAIL RATES?
- 10 A. Yes. The energy pricing of PJM Interconnection LLC (PJM) includes
- transmission losses; therefore, for purposes of the conversion, it has been assumed
- that transmission-served customers will have no additional energy costs due to
- losses. The Company has calculated losses for its distribution system and has
- relied on a recent study by the Electric Power Research Institute to distribute these
- losses between primary- and secondary-served customers. These loss factors will
- then be used to modify the CBP price to account for these losses.
- 17 Q. HOW ARE SEASONALITY AND TIME OF USE FACTORS
- 18 INCORPORATED INTO THE COMPANY'S PROPOSED RATES?
- 19 A. Seasonality will be retained, or introduced, into the pricing based upon seasonal
- factors developed from four years (July 2006 through June 2010) of PJM
- 21 locational marginal price (LMP) data at the Dayton Hub.

The hourly LMPs have been multiplied by the load of all "wires-connected" load to Duke Energy Ohio (i.e., all shoppers and non-shoppers) to arrive at an hourly revenue. These revenue results are then aggregated based on the respective summer and winter periods and divided by sales in the same period to result in summer and winter factors. When applied to the CBP prices, these factors convert the annual average CBP price to load-weighted prices for the respective summer and winter periods. This same data can also be used to adjust prices into on- and off-peak periods where desired.

9 Q. PLEASE DESCRIBE EXHIBIT JRB-1.

10 A. Exhibit JRB-1 illustrates the calculations and the resulting seasonal and time of day factors used in the final conversion of the CBP prices to retail rates.

12 O. IS THIS WEIGHTING APPROPRIATE?

A. In my opinion, yes. The load-weighting better reflects to retail customers the actual cost of providing service, while the average annual CBP price allows bidders to have more hours over which to spread risk, which results in lower auction prices for customers. These summer and winter factors will be provided to bidders in the auction process for their information. We envision this information being updated annually for each succeeding auction.

Q. WHY WAS TOTAL LOAD USED IN THESE CALCULATIONS?

20 A. The level of switching can dramatically impact class prices. A disproportionate 21 number of non-shopping customers in a particular class when compared to 22 historical norms may significantly distort prices. For example, if all non-shopping

load were residential, the high covariance with weather for this class would result
in very high prices that would ultimately discourage high load factor commercial
and industrial load from taking service from Duke Energy Ohio. To prevent this,
the use of total wires-connected load results in class prices more consistent with
past pricing representing historical norms. This further serves to neither
encourage nor discourage additional switching.

Q. WHAT MAJOR RATE CLASSES WILL EITHER RETAIN OR HAVE SEASONALITY INTRODUCED TO THEIR STRUCTURE?

The Company's current residential structure has a seasonal component, with rates differentiated by winter and summer periods. The seasonal factors derived from the PJM LMP and load data will be used to adjust the CBP component of the price to reflect these seasonal differences. The Company's residential Rate TD, Optional Time-of-Day Rate, will have the CBP price component adjusted for not only its seasonal differences but its various time components as well. Any pilot programs, like Rate TD-AM, Time-of-Day Rate for Residential Service with Advanced Metering, will have its prices modified in a similar manner.

The Company's commercial and industrial rates (Rate DS, Service at Secondary Distribution Voltage; Rate DP, Service at Primary Distribution Voltage; and Rate TS, Service at Transmission Voltage) are not directly seasonally or time differentiated, but can be modified to a "quasi" time-of-use rate through Rider LM. Rider LM allows for the modification of billing demand to be the greater of the on-peak demand or 50% of the off-peak demand. This

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mechanism allows for customers who can shift load to off-peak periods a means
to take advantage of lower billing demand and energy charges. The Company
intends to retain this mechanism for customers taking service under this Rider, but
introduce seasonal prices to the CBP price portion of the energy prices applicable
to the Company's commercial and industrial rates. As the auction prices become
a greater and greater portion of these rates, the rate structures will be radically
transformed where the recovery of fixed-related charges will transition from
demand charges to energy charges.

The Company's Real Time Pricing Program, Rate RTP, will have a capacity component based upon the parent rate (Rates DS, DP, or TS) derived in the same manner as described above. The energy charges, however, will be the day-ahead prices for the Company's PJM node, differentiated by the appropriate loss factor.

Q. PLEASE DESCRIBE EXHIBIT JRB-2.

15 A. Exhibit JRB-2 incorporates the all of the items previously discussed to effectuate the blending process. With the exception of Rate RTP,² all of the Company's rate schedules are included in this analysis. The class rates derived from this Exhibit are used to compute the rate impacts to the various customer classes. For the sake of brevity, only the first period of the MRO is shown.

Q. WHAT ARE THE COMPANY'S FUTURE PLANS RELATED TO TIME-DIFFERENTIATED PRICING?

² Rate RTP has not been estimated due to the hourly structure of the rate.

A. The Company remains committed to time-differentiated pricing and intends to continue to pursue various pricing initiatives through the collaborative process. Currently the Company has approval for a new residential rate, Rate TD-AM, and a Peak Time Rebate applicable to residential rates. Duke Energy Ohio is also considering various modifications to this structure to better understand the variables that drive customer acceptance of these rates and has recently filed for approval of a revised TD-AM tariff. Duke Energy Ohio has also filed for approval a critical peak pricing component. And, of course, the Company's real time pricing program is available for customers who can take advantage of that level of price transparency.

III. <u>IMPACTS TO CUSTOMERS</u>

11 Q. PLEASE DESCRIBE EXHIBIT JRB-3.

A. Exhibit JRB-3 details the impacts to the various customer classes as a result of the blending of the legacy ESP prices and the auction prices³. Page 1 of 3 details the impacts to customer classes resulting from the first period of the MRO comprised of 90% ESP and 10% CBP. Page 2 of 3 details the impacts to customers in the second period of the MRO comprised of 80% ESP and 20% CBP. Page 3 of 3 details the rate impacts for the final year of the proposal at 100% CBP prices. All comparisons are relative to rates in effect at December 31, 2011⁴. Although Duke

⁴ The specific timing of the rate changes can be found in the testimony of Mr. Wathen.

³ Duke Energy Ohio has estimated the annualized CBP price to be \$0.055 per kWh, with \$0.0455 representing the energy-related portion of the price.

- 1 Energy Ohio has made an attempt to reasonably estimate the auction price, the
- auction price is not known with certainty at this time. Therefore, the results
- 3 shown in this exhibit are for illustrative purposes only.

IV. CONCLUSION

- 4 Q. WERE EXHIBITS JRB-1 THROUGH JRB-3 PREPARED BY YOU OR
- 5 UNDER YOUR SUPERVISION?
- 6 A. Yes.
- 7 Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?
- 8 A. Yes.

Duke Energy Ohio, Inc.

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	Total kWh	Day Ahead Revenue	Average Price per mWh	Factors
Summer	30,292,933,908	\$1,479,485,521	\$48,8393	1.0727
Winter	52,451,896,274	\$2,287,780,899	\$43.6167	0.9580
On Peak	24,343,856,230	\$1,468,863,595	\$60.3382	1.3253
Off Peak	58,400,973,952	\$2,298,402,825	\$39.3556	0.8644
On Peak Summer	9,427,561,934	\$659,992,985	\$70.0068	1.5376
On Peak Winter	14,916,294,296	\$808,870,610	\$54,2273	1.1911
Off Peak Summer	20,865,371,974	\$819,492,536	\$39.2752	0.8626
Off Peak Winter	37,535,601,978	\$1,478,910,289	\$39.4002	0.8654
Annual Average	82,744,830,182	\$3,767,266,420	\$45.5287	1.0000

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- (A) 4-Year Average of Prices, kWh and Revenue from 7/1/2006 6/30/2010
- (B) Summer = June 1 September 30; Winter = October 1 May 31
 - (C) Total kWh = kWh from 7/1/2006 6/30/2010
- (D) Day Ahead Revenues = Day Ahead Price X kWh
- (E) Average Price per mWh = Sum of Revenues / kWh / 1000
- (F) Factor = Row / Annual Average (Average Price per mWh)
 (G) Off Peak Hours (Summer) 8:01 pm to 11:00 am next day (Weekday)
- Friday 8:01 pm to 11:00 am the following Monday
- 8:01 pm day before Holiday to 11:00 am day after Holiday
- (H) Off Peak Hours (Winter) 2:01 pm to 5:00 pm and 9:01 pm to 9:00 am next day (Weekday) - Friday 9:01 pm to 9:00 am the following Monday
 - 9:01 pm day before Holiday to 9:00 am day after Holiday
- (I) Holidays New Year's Day, President's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day,
- Thanksgiving Day, Christmas Day
- Legally observed days if occurring on weekend

Source: PJM AEP/Dayton Hub Historical LMP for 7/1/2006 - 6/30/2010

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-	Competitive Bid Process	ocess Price		\$0.0550.0						
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5	Existing Rates			10%						
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1	Allocation of Capacity Related Costs	city Related Costs								
œ		9		20,076,872,082		i i				
٠	Estimate of per Unit Energy Cost	nergy Cost ensetty Cost		\$0.045500 \$0.045500						
14:	11 Total Capacity Cost	ison from the		\$190,749,285		<u> </u>				
13				Allocated						
14	Rate	Sum of		Capacity	KW.	Capacity				
15	Schedule	Summer CP	Ratio	Costs	Sales	Price				
2 18		6,086,070	42.1196%	\$80,342,787	7,223,512,535	\$0.011122				
18		448,580	3,1045%	\$5,921,747	525,523,834	\$0.011268				
13	SC	4,989,210	34.5286%	\$65,863,034	6,550,763,857	\$0.010054				
20		•	%00000	0.50	87,935,322	\$0,00000				
2	_	1,519,941	10,5190%	\$20,064,885	2,376,555,274	\$0.008443				
22		1,390,610	9.6239%	\$18,357,574	3,192,724,911	\$0.005750				
23	LIGHTING (Dusk to Dawn)	8,831	0.0611%	\$116,579	103,685,919	\$0.001124				
24	LIGHTING (Other)	6,263	0.0433%	\$32,678	18,159,430	\$0.004553				
52	TOTAL	14,449,505	100,0000%	\$190,749,285	20,078,872,082					
96					ě					
28										

1								
32 Commercial Activity Tax	Development of Energy Charges Commercial Adivity Tax		0.2600%					
34				Adjusted				
38 Rate 39 Schedule	Season	Factors	Season	Energy Price	Peak Peators	Off-Peak	Prices Peak	Off-Peak
42.14 43.14 73.	Summer Winter	3.96% 3.96%	107.27% 95.80%	\$0.050953 \$0.045505	163.76% 119.11%	86.26%	\$0.073 03 7 \$0.056575	\$0.040975
<u>\$</u> \$ \$ \$ \$	Summer Winter	3.96% 3.96%	107.27% 95.80%	\$0.050953				
08 64 7	Summer Winter	3.96% 3.96%	107.27% 95.80%	\$0.050953				
EH 1	Summer Winter	3.96% 3.96%	107.27% 95.80%	\$0.050953 \$0.045505				
54 54 54	Summer Winter	2.45% 2.45%	107,27% 95,80%	\$0.050165 \$0.044800				
25 55 75 75 75	Summer Winter	0.00% 0.00%	107.27% 95.80%	\$0.048936 \$0.043703				
59 LIGHTWIG (Busk to Dawn) Summer 60 Winter	Summer Winter	3.96% 3.96%	107.27% 95.80%	\$0.050953 \$0.045505	O.A.	86,26% 86,54% Off-Peak Composite Factor ==>	î	\$0.040975 \$0.041106 \$0.040641
62 64 LIGHTING (Other)	Summer Winter	3.96% 3.96%	107,27% 95,80%	\$0.050953 \$0.045505	Bum	Summer / Winter Composite Factor ***	Factor em	\$0.046607

Season Lass Season Adjusted Pack 107.27% St.0.01246 155.76% St.0.01786 St.0.00000 Whiter 3.96% 107.27% St.0.00000 Summer 3.96% 107.27% St.0.00000 Whiter 2.45% 107.27% St.0.00000 St.0.00000 Whiter 2.45% St.0.00000 St.0.000000 St.0.000000 St.0.000000 St.0.000000 St.0.000000 St.0.000000 St.0.000000 St.0.0000000000000000000000000000000000	ما سميد سام مو ل									
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2.45% 107.27% \$0.003308 2.45% 95.80% \$0.006184 0.00% 107.27% \$0.006523 3.96% 107.27% \$0.001259 3.96% 107.27% \$0.004553 3.96% 95.80% \$0.004553	W/ >	Summer Minter	0,0,	3.96% 3.96%	107.27% 95.80%	\$0,000000				
0.00% 107.27% \$0.006184 0.00% 95.80% \$0.001259 3.96% 107.27% \$0.001124 3.96% 107.27% \$0.004553	w>	Summer Minter	1414	2.45% 2.45%	107.27% 95.80%	\$0.009308 \$0.008313				
3.96% 107.27% \$0.001259 3.96% 95.80% \$0.005099 3.96% 107.27% \$0.004553 Summer: Writer Composite Factor ==>	w>	Summer Minter		%00% 0.00%	107.27% 95.80%	\$0,006184 \$0.005523				
Summer 3.96% 107.27% \$0.005099 Summer 3.96% 95.80% \$0.004553 Summer / Winter Composite Factor ==>	te Dawn) S	Summer Ainter	,,,,	3.96% 3.96%	107.27% 95.80%	\$0.001259				
	LIGHTING (ONA)	Summer Minter		3.96% 3.96%	107.27% 95.80%	\$0.005099 \$0.004553	lling.	mer / Winter Compositi	e Faciol sus	\$0.004664

			Rider Gen				Rider MRO		
112		a S	ESP	Adjusted CBP Prices	0		CBP Blend 10%		in the second
्व स्टास		Prices	%0a	Energy	Capacity	Energy	Capacity	Total	Price
11.7 Refe RS - 、小小小小小山18 11.8	First 1000 kWh Over 1000 kWh	\$0.084679 \$0.101699	\$0.076211 \$0.091529	\$0.050953 \$0.050953	\$0,012455 \$0,012455	\$0,005095 \$0,005095	\$0.001246 \$0.001246	\$0.006341 \$0.006341	\$0.082552
119 120 121 122	First 1000 kWh Over 1000 kWh	\$0.084876 \$0.044876	\$0.076211 \$0.040388	\$0.045505 \$0.045505	\$0.011124 \$0.011124	\$0.004551 \$0.004551	\$0.001112 \$0.001112	\$0.005863 \$0.005663	\$0.081874
1223 125 Rate DM:	First 2800 kWh Next 3200 kWh All Additional	\$0.113616 \$0.043042 \$0.030513	\$0.102255 \$0.038738 \$0.027462	\$0.050953 \$0.050953 \$0.050953	\$0.012619 \$0.012619 \$0.012619	\$0.005095 \$0.005095 \$0.005085	\$0.001262 \$0.001262 \$0.001262	\$0.006357 \$0.006357 \$0.006357	\$0.108612 \$0.045095 \$0.033819
239 330 331 332 333	First 2800 kWh Next 3200 kWh All Additional	\$0.094215 \$0.043046 \$0.030008	\$0.084794 \$0.038741 \$0.027007	\$0.045505 \$0.045505 \$0.045505	\$0.011269 \$0.011269 \$0.011269	\$0.004551 \$0.004551 \$0.004551	\$0.001127 \$0.001127 \$0.001127	\$0.005678 \$0.005678 \$0.005678	\$0.090472 \$0.044419 \$0.032685
134 135 Rate DS (177) 135 Demand 137	First 1000 k/V Additional k/V	\$11.090953 \$8.973765	\$9.981858 m			\$9.991858 ***********************************		\$0.000000	\$9.981858 \$8.076389
138 Energy 140 141	Next 300KWH/KW Additional Kwh	\$0.055147 \$0.040357	\$0.049632 \$0.035321	\$0.0\$0953 \$0.050953	\$0.011259 \$0.011259	\$0.005095 \$0.005095	\$0.001126 \$0.001126	\$0.006221 \$0.006221	\$0,055853 \$0,042542
142 Winter 143 Demand 145	First 1000 kW Additional kW	\$11,090953 \$8.873765	\$9.981858					\$0.000000	\$9.981858 \$8.076389
147 Energy 148	Next 300KWH/KW Additional Kwh	\$0.055147 \$0.040357	\$0.049632	\$0.045505 \$0.045505	\$0.010055 \$0.010055	\$0,004551	\$0,001006 \$0,001006	\$0.005557	\$0.055189 \$0.041878

All Consumption \$0.083217 \$0.05895 \$0.050953 \$0.00000 All Consumption \$0.083217 \$0.05895 \$0.050953 \$0.00000 All Consumption \$0.063217 \$0.05895 \$0.050953 \$0.000000 All Consumption \$0.063217 \$0.05895 \$0.045905 \$0.000000 All Consumption \$0.063217 \$0.05895 \$0.009308 Additional kW \$10.460232 \$9.44209 \$0.005135 \$0.009308 Additional KW \$10.460232 \$9.003887 \$0.044800 \$0.008313 Additional KW \$10.008434 \$11.707591 First 50.000 kVa \$8.781663 \$8.781663 \$8.781663	ESP Elend 90% \$0.056895 \$0.056895 \$7.407377	\$0.000000 \$0.004551	Rider MRO CBP GBP GBP	Total	
ESP ESP ESP Blend 90% All Consumption \$0.063217 \$0.056895 All Consumption \$0.063217 \$0.056895 All Consumption \$0.063217 \$0.056895 Additional kW \$8.230419 \$7.407377 Next 300xWH/kW \$8.230419 \$7.407377 Additional kWh \$10.460232 \$8.414209 Additional kWh \$10.460232 \$8.414209 Additional kWh \$10.067018 \$0.036877 Next 300xWH/kWh \$10.067018 \$0.036877 Next 300xWH/kWh \$10.067018 \$0.0368777 Additional kWh \$10.042985 \$0.036887 First 50,000 kVa \$11.009434 \$11.707591 Addktonal kWa \$8.761663 \$8.76597	S0.056895 \$0.056895 \$0.058895 \$7.407377	\$0.000000 \$0.00509 \$0.000000 \$0.00455	Blend 10% Capacity 5 \$0.000000	Total	
All Consumption \$0.063217 \$0.056895 All Consumption \$0.063217 \$0.056895 All Consumption \$10.460232 \$8.414208 Additional kW \$10.460232 \$8.407377 Next 300xWM-WW \$0.067018 \$7.407377 Additional kW \$10.460232 \$2.038687 Additional kW \$10.460232 \$2.407377 Next 300xW-WW \$10.460232 \$2.038687 Additional kW \$10.057018 \$0.051316 Additional kWh \$10.057018 \$0.051316 Additional kWh \$8.0042985 \$0.038687 Additional kWh \$10.000 kW \$0.038687 Additional kWh \$10.000 kW \$1.009434 \$1.7707591	\$0.056895 \$0.056895 \$0.056895 \$1.407377	\$0.000000 \$0.00509 \$0.000000 \$0.00455 \$0.00455	Capacity 15 \$0.000000 11 \$0.000000	Total	Fina
All Consumption \$0.063217 \$0.056895 All Consumption \$0.063217 \$0.056895 Additional kW \$10.460232 \$8.414208 Additional kWh \$0.067018 \$0.051316 Additional kWh \$10.460232 \$9.414209 Additional kWh \$10.042985 \$0.035887 Additional kWh \$10.042985 \$0.035887 Additional kWh \$10.042985 \$0.035887	\$0.056895 \$0.058895 \$\$414208 \$7.407377	\$0,00000 \$ 000000.0\$ \$0,00000 \$ 000000.0\$	30.000000		Price
Winter All Consumption \$0.063217 \$0.058995 Rate DP Summer First 1000 kW \$10.460232 \$8.414209 Foliational KVV Additional KVV \$0.067018 \$0.051316 Winter First 1000 kW \$10.460232 \$20.051316 Additional KVV \$10.460232 \$20.051316 Rate Demand First 1000 kW \$10.460232 \$20.03687 Rate TS Next 300kWH/kW \$60.042985 \$0.0351316 Additional KVP \$60.042985 \$0.03687 Additional KVP \$80.042985 \$0.03687 Additional KVP \$80.042985 \$0.03687 Rate TS Additional KVP \$81.0642985 \$81.707591	\$0.056895 \$8 414209 \$7.407377	\$0.000000 \$0.00455	.1 \$0.000000	\$0.005095	\$0.061990
First 1000 kW \$10.460232 \$8.414209 Additional kW \$8.230419 \$7.407377 Next 300kWH/kW \$0.067018 \$0.051316 Additional Kwh \$10.460232 \$9.414209 Additional kW \$10.460232 \$9.414209 Additional kW \$10.450232 \$0.03687 Additional kWh \$0.042985 \$0.051316 Additional kWh \$0.042985 \$0.03687 First 50,000 kVa \$11,008434 \$11,707591 Addkional kVa \$8.761663 \$8.75697	\$9.414208			\$0,004551	\$0.061446
Energy Next 300kWH/kWn \$0.042985 \$0.051316 \$0.050165 \$0.009308 Winter Demand Additional KWN \$10.460232 \$9.414209 \$0.050185 \$0.009308 Energy Next 300kWH/kWn \$10.460232 \$2.414209 \$0.008313 Räte T\$ Next 300kWH/kWn \$0.042885 \$0.03887 \$0.044800 \$0.008313 Räte T\$ Bemand First 50,000 kVa \$13.064434 \$11.707591 \$0.044800 \$0.008313 Additional KVa \$13.064434 \$11.707591 \$0.044800 \$0.008313			A. M. A.	\$0.000000	\$9.414209 \$7.407377
Warter First 1000 kW \$10.460232 \$5.414209 \$7.407377 Additional kW \$8.230419 \$7.407377 \$0.051316 \$0.00813 Rate TS Additional Kwh \$0.04805 \$0.03687 \$0.044800 \$0.008313 Rate TS First 50,000 kVa \$11,008434 \$11,707591 \$0.044800 \$0.008313 Rate TS Summer First 50,000 kVa \$11,008434 \$11,707591 \$10,000 kVa	\$0.051318 \$0.038687	\$0.009308 \$0.005017 \$0.009308 \$0.006017	7 \$0.000931 7 \$0.000931	\$0.005948 \$0.005948	\$0.044635
Next 30DKWHVKW \$0.042985 \$0.051316 \$0.04800 Additional Kwh \$0.042985 \$0.038687 \$0.044800 First 50,000 KVa \$13,008434 \$11,707591 Additional KVa \$8.761663 \$8.765497				\$0.000000 \$0.000000	\$9.414209 \$7.407377
First 50,000 kVa \$11,098434 \$11,707591 Additional kVa \$8,781663 \$8,785497	\$0,051316 \$0.038687	\$0.008313 \$0.004480 \$0.008313 \$0.004480	\$0.000831 \$0.000831	\$0.005311 \$0.005311	\$0.056627 \$0.043998
	\$11,707591			\$0.000000 \$0.000000	\$11,707591 \$8,785497
1.78 Energy Next 300kWu/kW \$0.044310 \$0.039879 \$0.048936 \$0.006184 1.78 Additional Kwh \$0.041168 \$0.037051 \$0.048936 \$0.006184	\$0.039879 \$0.037051	\$0.006184 \$0.004894 \$0.006184 \$0.004894	30.000618 34 \$0.000618	\$0.005512 \$0.005512	\$0.045391 \$0.042563
180 Winter \$11,008434 \$11,707591 181 Demand First 50,000 kVa \$13,008434 \$11,707591 181 Additional kVa \$8,761663 \$8,785497	\$11.707591 \$8.785497			\$0.000000	\$11.707591
185 Energy Next 300KnHrKVV \$0,04310 \$0,043703 \$0,043703 \$0,005523 \$0,041168 \$0,043703 \$0,043703 \$0,005523 \$0,005523	\$0.039879 \$0.037051	\$0.005523 \$0.004370 \$0.005523 \$0.004370	0 \$0.006552 0 \$0.000552	\$0.004922 \$0.004922	\$0,044801 \$0,041973

			Rider Gen				Rider MRO		
		ព	ESP Blend	Adjusted CBP Prices	70		CBP Blend 10%		is of
		Prices	%06	Energy	Capacity	Energy	Capacity	Total	Price
116 128 190 Rete ORH Summer 191	First 1000 kWh Additional Kwh Kwh > 150 X DEMAND	\$0.079692 \$0.091596 \$0.091596	\$0.071723 \$0.082436 \$0.082436	\$0.050953 \$0.050953 \$0.050953	\$0.012456 \$0.012455 \$0.012455	\$0.005085 \$0.005085 \$0.005085	\$0,001245 \$0,001246 \$0,001246	\$0,006341 \$0.006341 \$0.006341	\$0.078064 \$0.088777 \$0.088777
Winter	First 1000 kVVh Additional Kwh KWH > 150 X DEMAND	\$0.079685 \$0.050740 \$0.039103	\$0.071717 \$0.045666 \$0.035192	\$0.045505 \$0.045505 \$0.045505	\$0.011124 \$0.011124 \$0.011124	\$0.004551 \$0.004551 \$0.004551	\$0.001112 \$0.001112 \$0.001112	\$0.005663 \$0.005663 \$0.005663	\$0.077380 \$0.051329 \$0.040855
198 199 200 Rate TD-AM: SPS/S Summer 201	On Peak kWh Shoulder Peak kWh Off Peak kWh	\$0.169640 \$0.129710 \$0.042759	\$0.000000 \$0.152676 \$0.16739 \$0.038483	\$0,073037 \$0,073037 \$0,040975	\$0.017854 \$0.017854 \$0.010016	\$0.007304 \$0.007304 \$0.004098	\$0.001785 \$0.001785 \$0.001002	\$0.009089 \$0.009089 \$0.005100	\$0.161765 \$0.125828 \$0.043583
Winter	On Peak kWh Shoulder Peak kWh Off Peak kWh	\$0.122245 \$0.059695 \$0.034659	\$0,110021 \$0,053726 \$0,031193	\$0.056575 \$0.056575 \$0.041108	\$0.013830 \$0.013830 \$0.010048	\$0.005658 \$0.005658 \$0.004111	\$0.001383 \$0.001383 \$0.001005	\$0.007041 \$0.007041 \$0.005116	\$0.117062 \$0.060767 \$0.036309
208 202 210 Rate TD: [[] Summer 211	On Peak KWin Off Peak KWin	\$0.167204 \$0.039828	\$0.141484 \$0.035845	\$0.073037 \$0.040975	\$0.017854 \$0.010016	\$0.007304 \$0.004098	\$0.001785 \$0.001002	\$0.009089 \$0.005100	\$0,150573 \$0,040945
Whiter	On Peak KWh Off Peak KWh	\$0.127809 \$0.039839	\$0.115028 \$0.035855	\$0.056575 \$0.041106	\$0.013830 \$0.010048	\$0.005658 \$0.004111	\$0.001383 \$0.001005	\$0.007041 \$0.005116	\$0,122069 \$0,040971
2218 Rate CUR 12 4 Summer 2219	First 1000 kWh Over 1000 kWh	\$0.086871 \$0.104448	\$0,078184 \$0,094003	\$0,050953 \$0,050953	\$0.012455 \$0.012455	\$0.005095 \$0.005095	\$0.001246 \$0.001246	\$0.006341 \$0.006341	\$0.084525
Winter	First 1000 KWh Over 1000 kWh	\$0.085871 \$0.045764	\$0.078184 \$0.041188	\$0.045505	50.011124	\$0.004551 \$0.004551	\$0.001112	\$0,005663 \$0.005863	\$0.083847 \$0.046851

			% Rider Gen	Control of the state of the sta	The state of the s		Rider MRO		3
		ESP Prices	ESP Blend 90%	Adjusted CBP Prices	Capacity	Energy	Blend 10% Capacity	Total	Final Price
. EO	First 1000 KV/h Gver 1000 KV/h	\$0.084679	\$0.076211	\$0.050953 \$0.060953	\$0.012455 \$0.012455	\$0.005095 \$0.005085	\$0.001246 \$0.001246	\$0.006341 \$0.006341	\$0.082552 \$0.097870
IL U	First 1000 kWh Over 1000 kWh	\$0.084679 \$0.044876	\$0.040388	\$0,045505 \$0,045505	\$0.011124 \$0.011124	\$0.004551 \$0.004551	\$0.001112 \$0.001112	\$0,005663 \$0,005663	\$0.081874 \$0.046051
ĒΟ	First 1000 KWh Over 1000 KWh	\$0.084679 \$0.101589	\$0.076211 \$0.091529	\$0.050953 \$0.050953	\$0.012455 \$0.012455	\$0.005095 \$0.005095	\$0.001246 \$0.001248	\$0.006341 \$0.006341	\$0.082552 \$0.097870
L C	First 1000 kWh Over 1000 kWh	\$0.084679 \$0.044876	\$0.076211 \$0.040388	\$0.045505 \$0,045505	\$0,011124 \$0,011124	\$0.004551 \$0.004551	\$0.001112	\$0,005663 \$0,005663	\$0,081874 \$0,046051
	LOAD RANGE 540 TO 720 HOUR! LOAD < 540 HOURS	\$0.116751 \$0.130246	\$0.105076 \$0.117221	\$0.050953 \$0.050953	\$0.012619 \$0.012619	\$0.005095 \$0.005095	\$0.001262 \$0.001262	\$0.006357 \$0.006357	\$0.111433 \$0.123578
	LOAD RANGE 540 TO 720 HOUR! LOAD < 540 HOURS	\$0.116751 \$0.130246	50.105076 \$0.117221	\$0.045505 \$0.045505	\$0.011269 \$0.011269	\$0.004551 \$0.004551	\$0.001127 \$0.001127	\$0,005678 \$0,005678	\$0.110754 \$0.122899
•	All Consumption	\$0.116751	\$0.105076	\$0.050953	\$0.012619	\$0,005095	\$0.001262	\$0.006357	\$0.111433
	All Consumption	\$0.116751	\$0.105076	\$0.045505	\$0.011269	\$0.004551	\$0.001127	\$0,005678	\$0.110754

	Rider Gen	Addition	2 48 24 100 1533		Rider MRO		
 dSi	ESP	CBP			Blend 10%		Final
 Prices	%06	Energy	Capacily	Energy	Capacity	Total	Price
\$0.061649	\$0.055484	\$0.040641	\$0.001259	\$0.004064	\$0.000126	\$0.004190	\$0.059874
\$0.045072	\$0,040565	\$0.046607	\$0.004664	\$0.004661	\$0.000466	\$0.005127	\$0.045692
\$0.042136	\$0.037924	\$0.040641	\$0.001259	\$0.004064	\$0.000126	\$0.004190	\$0.042114
\$0.057096	\$0.051386	\$0.040641	\$0.001259	\$0.004084	\$0.000126	\$0.004190	\$0.055576
\$0.038135	\$0.034321	\$0,040641	\$0.001259	\$0.004064	\$0.000126	\$0.004190	\$0.038511

ANNUALIZED TEST YEAR REVENUES AT PROPOSED VS. 2011 RATES FOR THE TWELVE MONTHS ENDED JUNE 30, 2010 (ELECTRIC SERVICE)

DATA: 12 MONTHS ACTUAL 8 0 MONTHS ESTIMATED
TYPE OF FILING: _X_ ORIGINAL ____ UPDATED ___ REVISED
WORK PAPER REFERENCE NO(S).:

Period 1 of the MRO: 90% ESP, 10% CBP Blend

RESIDENTIAL SERVICE (RS) 807,529,340 (13,445,909)	% OF REVENUE CHANGE (E=D / B)	REVENUE CHANGE (AMOUNT) (D=C-B)	REVENUE AT PROPOSED RATES (C)	REVENUE AT PRESENT RATES (B)		LINE NO.
RESIDENTIAL SERVICE (RS) 820,975,249 807,529,340 (13,445,808) OPTIONAL HEATING SERVICE (ORH) 682,490 683,508 1,018 TIME OF DAY ADVANCED METERING (TD-AM) 545 537 (8) OPTIONAL TIME OF DAY SERVICE (TD) 39,247 38,982 (2665) COMMON USE RESIDENTIAL SERVICE (CUR) 11,690,270 10,963,029 (727,241) RESIDENTIAL THREE-PHASE SERVICE (RSSP) 289,167 286,980 (2,187) RESIDENTIAL SERVICE-LOW INCOME (RSLI) 7,694,826 7,554,712 (140,114) TOTAL RESIDENTIAL DISTRIBUTION VOLTAGE SERVICE SECONDARY DISTRIBUTION (DS RTP) 141,000 141,000 0 UNMETERED SMALL FIXED LOADS (GSFL) 4,479,247 4,126,475 (352,772) ELEC SPACE HEATING (EH) 7,426,054 70,640,802 (6,765,252) SECONDARY DISTRIBUTION VOLTAGE (DP) 226,038,740 211,569,285 (14,467,475) TOTAL DISTRIBUTION VOLTAGE (DP) 226,038,740 211,569,285 (14,467,475) PRIMARY DISTRIBUTION VOLTAGE (DP RTP) (8,250,996) (8,250,996) 0 OPTIONAL THREE TRANSMISSION VOLTAGE SERVICE (8,250,996) (8,250,996) (8,250,996) (8,250,996) (8,250,996) (8,250,996) (8,250,996) (9,274) TOTAL TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 (6,5768,794) TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 (6,5769,794) TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 (6,5769,794) TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 (6,5769,794) TOTAL TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 (6,5769,794) TOTAL TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 (6,579,798) TOTAL TRANSMISSION VOLTAGE (TS RTP) 5				· · · · · · · · · · · · · · · · · · ·	RESIDENTIAL SERVICE	
OPTIONAL HEATING SERVICE (ORN) 662,490 663,508 1,018 3 TIME OF DAY ADVANCED METERING (TD-AM) 545 537 (8) 4 OPTIONAL TIME OF DAY SERVICE (TD) 39,247 38,982 (265) 5 COMMON USE RESIDENTIAL SERVICE (CUR) 11,690,270 10,963,029 (727,241) 6 RESIDENTIAL HERE-PHASE SERVICE (RS2P) 289,167 26,960 (2,187) 7 RESIDENTIAL SERVICE (RS2P) 7,664,826 7,554,712 (140,114) 8 TOTAL RESIDENTIAL SERVICE (RS2P) 7,664,826 7,554,712 (140,114) 7,664,826 7,554,712 (140,114) 7,664,826 7,554,712 (140,114) 7,664,826 7,554,712 (140,114) 7,664,826 7,554,712 (140,114) 7,664,826 7,554,712 (140,114) 7,664,826 7,554,712 (140,114) 7,664,826 7,554,712 (140,114) 7,664,826 7,554,712 (140,114) 7,664,826 7,554,712 (140,114) 7,664,826 7,554,712 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,826 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066 (140,114) 7,664,626 7,673,066	(1.64%)	(13,445,909)	807,529,340	820.975.249		1
TIME OF DAY ADVANCED METERING (TD-AM) 545 537 (8)	0.15%		663,508			2
5 COMMON USE RESIDENTIAL SERVICE (CNS) 11,690,270 10,963,029 (727,241) 6 RESIDENTIAL THREE-PHASE SERVICE (RS3P) 289,167 266,980 (2,187) 7 RESIDENTIAL SERVICE-LOW INCOME (RSLI) 7,694,826 7,554,712 (14,014) 8 TOTAL RESIDENTIAL 841,351,794 827,037,068 (14,314,706) DISTRIBUTION VOLTAGE SERVICE 841,351,794 827,037,068 (14,314,706) 9 SECONDARY DISTRIBUTION (DS RTP) 141,000 141,000 0 10 SECONDARY DISTRIBUTION (DS RTP) 141,000 141,000 0 11 UNMETERED SMALL FIXED LOADS (GSFL) 4,479,247 4,126,475 (352,772) 12 ELEC SPACE HEATING (EH) 8,363,651 7,673,096 (90,555) 13 SEC DISTRIBUTION SERVICE-SMALL (DM) 77,426,054 70,640,802 (6,785,252) 14 PRIMARY DISTRIBUTION VOLTAGE (DP RTP) 220,038,740 211,569,255 (14,467,475) 15 PRIMARY DISTRIBUTION VOLTAGE (DP RTP) 1,073,055,650 987,285,856 (65,769,784) 16 </td <td>(1.47%)</td> <td>(8)</td> <td>537</td> <td>545</td> <td>TIME OF DAY ADVANCED METERING (TD-AM)</td> <td>3</td>	(1.47%)	(8)	537	545	TIME OF DAY ADVANCED METERING (TD-AM)	3
RESIDENTIAL THREE-PHASE SERVICE (RS3P) 7 RESIDENTIAL SERVICE-LOW INCOME (RSLI) 7 RESIDENTIAL SERVICE-LOW INCOME (RSLI) 8 TOTAL RESIDENTIAL 841,351,794 827,037,088 (14,314,706) DISTRIBUTION VOLTAGE SERVICE 9 SECONDARY DISTRIBUTION (DS RTP) 10 SECONDARY DISTRIBUTION (DS RTP) 11 UNMETERED SMALL FIXED LOADS (GSFL) 12 ELEC SPACE HEATING (EH) 13 SEC DISTRIBUTION VOLTAGE (DP) 14 PRIMARY DISTRIBUTION VOLTAGE (DP) 15 PRIMARY DISTRIBUTION VOLTAGE (DP) 16 OPT UNINTERD SMFX LO ATTACH DIRECTLY PWR LINE (SFL-ADPL) 17 TOTAL DISTRIBUTION VOLTAGE (TS) 18 TRANSMISSION VOLTAGE (TS) 19 TRANSMISSION VOLTAGE (TS) 22 TRANSMISSION VOLTAGE (TS) 23 TRANSMISSION VOLTAGE (TS) 24 TRANSMISSION VOLTAGE (TS) 25 TRANSMISSION VOLTAGE ((0.68%)	(265)	38,982	39,247		4
RESIDENTIAL SERVICE-LOW INCOME (RSLI) 7,694,826 7,554,712 (140,114)	(6.22%)	(727,241)	10,963,029	11,690,270	COMMON USE RESIDENTIAL SERVICE (CUR)	5
TOTAL RESIDENTIAL	(0.76%)	(2,187)	286,980	289,167	RESIDENTIAL THREE-PHASE SERVICE (RS3P)	6
DISTRIBUTION VOLTAGE SERVICE SECONDARY DISTRIBUTION (DS) 764,780,708 701,313,242 (63,467,466) 10 SECONDARY DISTRIBUTION (DS RTP) 141,000 141,000 D D D D D D D D D	(1.82%)	(140,114)	7,554,712	7 694,826	RESIDENTIAL SERVICE LOW INCOME (RSLI)	7
9 SECONDARY DISTRIBUTION (DS) 764,780,708 701,313,242 (63,467,466) 10 SECONDARY DISTRIBUTION (DS RTP) 141,000 141,000 D 11 UNMETERED SMALL FIXED LOADS (GSFL) 4,479,247 4,126,475 (352,772) 12 ELEC SPACE HEATING (EH) 8,363,651 7,673,096 (690,555) 13 SEC DISTRIBUTION SERVICE-SMALL (DM) 77,426,054 70,640,802 (6,785,252) 14 PRIMARY DISTRIBUTION VOLTAGE (DP) 226,036,740 211,569,265 (14,467,475) 15 PRIMARY DISTRIBUTION VOLTAGE (DP RTP) (8,250,996) (8,250,996) 0 16 OPT UNMTRED SM FX LD ATTACH DIRECTLY PWR LINE (SFL-ADPL) 79,246 72,972 (6,274) 17 TOTAL DISTRIBUTION 1,073,055,650 987,285,856 (85,769,794) 18 TRANSMISSION VOLTAGE (TS) 222,616,435 209,211,356 (13,405,079) 19 TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 5,252,583 0 20 TOTAL TRANSMISSION 227,869,018 214,463,939 (13,405,079) <td>(1.70%)</td> <td>(14,314,706)</td> <td>827,037,068</td> <td>841,351,794</td> <td>TOTAL RESIDENTIAL</td> <td>8</td>	(1.70%)	(14,314,706)	827,037,068	841,351,794	TOTAL RESIDENTIAL	8
SECONDARY DISTRIBUTION (DS RTP)					DISTRIBUTION VOLTAGE SERVICE	
SECONDARY DISTRIBUTION (DS RTP)	(8.30%)	(63.467.466)	701 313 242	764 780 708	SECONDARY DISTRIBUTION (DS)	9
UNMETERED SMALL FIXED LOADS (GSFL)	0.00%	D				
ELEC SPACE HEATING (EH) B,363,651 7,673,096 (690,555) SEC DISTRIBUTION SERVICE-SMALL (DM) 77,426,054 70,640,802 (6,785,252) PRIMARY DISTRIBUTION VOLTAGE (DP) 226,036,740 211,569,265 (14,467,475) PRIMARY DISTRIBUTION VOLTAGE (DP RTP) (8,250,996) (8,250,996) 0 OPT UNMTRED SM FX LD ATTACH DIRECTLY PWR LINE (SFL-ADPL) 79,246 72,972 (6,274) TOTAL DISTRIBUTION 1,073,055,650 987,285,856 (85,769,794) TRANSMISSION VOLTAGE (TS) 222,616,435 209,211,356 (13,405,079) TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 0 TOTAL TRANSMISSION 227,869,018 214,463,939 (13,405,079) LIGHTING SERVICE 1,099,377 1,070,103 (29,274) 22 TRAFFIC LIGHTING (L) 1,099,377 1,070,103 (29,274) 23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,486 370,929 (6,559) 26 S L - CUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S L - OVERHEAD EQUIV (SE) 632,755 614,272 (18,483) UNMETERED OUTDOOR LIGHTING (UOLS) 597,106 565,129 (21,977) 29 TOTAL LIGHTING (UOLS) 14,504,803 14,182,865 (321,838)	(7.88%)	(352,772)				11
SEC DISTRIBUTION SERVICE-SMALL (DM) 77,426,054 70,640,802 (6,785,252)	(8.26%)	(690,555)				12
PRIMARY DISTRIBUTION VOLTAGE (DP) 228,036,740 211,569,265 (14,467,475)	(8.76%)					13
16 OPT UNMTRED SM FX LD ATTACH DIRECTLY PWR LINE (SFL-ADPL) 79,246 72,972 (6,274) 17 TOTAL DISTRIBUTION	(6.40%)	(14,467,475)	211,569,265		PRIMARY DISTRIBUTION VOLTAGE (DP)	14
TOTAL DISTRIBUTION 1,073,055,650 987,285,856 (65,769,794) TRANSMISSION VOLTAGE (TS) 222,616,435 209,211,356 (13,405,079) 19 TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 0 20 TOTAL TRANSMISSION 227,669,018 214,463,939 (13,405,079) 21 STREET LIGHTING (SL) 6,790,762 6,636,038 (154,724) 22 TRAFFIC LIGHTING (IL) 1,099,377 1,070,103 (29,274) 23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S L - CUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S L - OVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING	0.00%	Ò	(8,250,996)	(8,250,996)	PRIMARY DISTRIBUTION VOLTAGE (DP RTP)	15
TRANSMISSION VOLTAGE SERVICE 18 TRANSMISSION VOLTAGE (TS) 222,616,435 209,211,356 (13,405,079) 19 TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 0 20 TOTAL TRANSMISSION 227,869,018 214,463,939 (13,405,079) LIGHTING SERVICE 21 STREET LIGHTING (SL) 6,790,762 6,636,038 (154,724) 22 TRAFFIC LIGHTING (TL) 1,099,377 1,070,103 (29,274) 23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S L - CUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S L - OVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,\$98)	(7.92%)	(6,274)				16
18 TRANSMISSION VOLTAGE (TS) 222,616,435 209,211,356 (13,405,079) 19 TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 0 20 TOTAL TRANSMISSION 227,869,018 214,463,939 (13,405,079) LIGHTING SERVICE 21 STREET LIGHTING (SL) 6,790,762 6,636,038 (154,724) 22 TRAFFIC LIGHTING (IL) 1,099,377 1,070,103 (29,274) 23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S L - CUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S L - OVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,\$38)	(7.99%)	(85,769,794)	987,285,856	1,073,055,650	TOTAL DISTRIBUTION	17
19 TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 0 10 TOTAL TRANSMISSION 227,869,018 214,463,939 (13,405,079) LIGHTING SERVICE 21 STREET LIGHTING (SL) 6,790,762 6,636,038 (154,724) 22 TRAFFIC LIGHTING (TL) 1,099,377 1,070,103 (29,274) 23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S L - CUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S L - OVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING					TRANSMISSION VOLTAGE SERVICE	
19 TRANSMISSION VOLTAGE (TS RTP) 5,252,583 5,252,583 0 10 TOTAL TRANSMISSION 227,869,018 214,463,939 (13,405,079) LIGHTING SERVICE 21 STREET LIGHTING (SL) 6,790,762 6,636,038 (154,724) 22 TRAFFIC LIGHTING (TL) 1,099,377 1,070,103 (29,274) 23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S L - CUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S L - OVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING	(6.02%)	(13,405,079)	209.211.356	222.616.435	TRANSMISSION VOLTAGE (TS)	18
20 TOTAL TRANSMISSION 227,869,018 214,463,939 (13,405,079) LIGHTING SERVICE 6,790,762 6,636,038 (154,724) 21 STREET LIGHTING (SL) 1,099,377 1,070,103 (29,274) 23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S L - CUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S L - OVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,838)	0.00%				TRANSMISSION VOLTAGE (TS RTP)	19
LIGHTING SERVICE 21 STREET LIGHTING (SL) 6,790,762 6,636,038 (154,724) 22 TRAFFIC LIGHTING (TL) 1,099,377 1,070,103 (29,274) 23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S. LCUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S. LOVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,\$38)	(5.88%)	(13,405,079)				20
22 TRAFFIC LIGHTING (TL) 1,099,377 1,070,103 (29,274) 23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S.LCUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S.LOVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,938)		 .			LIGHTING SERVICE	
22 TRAFFIC LIGHTING (TL) 1,099,377 1,070,103 (29,274) 23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S.LCUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S.LOVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,938)	(2.28%)	(154 724)	6 636 038	6 790 762	STREET LIGHTING (SL)	21
23 OUTDOOR LIGHTING (OL) 3,450,769 3,352,783 (97,986) 24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S.L CUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S.L OVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,938)	(2.66%)					
24 NON STD STREET LIGHTING (NSU) 234,554 228,475 (6,079) 25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S L - CUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S L - OVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,938)	(2.84%)					
25 NON STD POL'S (NSP) 377,488 370,929 (6,559) 26 S.LCUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S.LOVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,938)	(2.59%)	(6.079)				24
26 S.LCUST OWNED (SC) 1,331,992 1,345,136 13,144 27 S.LOVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,938)	(1.74%)			•		25
27 S.LOVERHEAD EQUIV (SE) 632,755 614,272 (18,483) 28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,938)	0.99%	1011				
28 UNMETERED OUTDOOR LIGHTING (UOLS) 587,106 565,129 (21,977) 29 TOTAL LIGHTING 14,504,803 14,182,865 (321,938)	(2.92%)					
29 TOTAL LIGHTING 14,504,803 14,182,865 (321,938)	(3.74%)					
	(2.22%)					29
	(5.28%)	(113,811,517)	2.042,969,748	2,156,781,265	TOTAL RETAIL	30

ANNUALIZED TEST YEAR REVENUES AT PROPOSED VS. 2011 RATES FOR THE TWELVE MONTHS ENDED JUNE 30, 2010 (ELECTRIC SERVICE)

DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED TYPE OF FILING: _X_ ORIGINAL ____ UPDATED ___ REVISED WORK PAPER REFERENCE NO(S).:

Period 2 of the MRO: 80% ESP, 20% CBP Blend

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LINE NO.	CLASSIFICATION (A)	REVENUE AT PRESENT RATES (B)	REVENUE AT PROPOSED RATES (C)	REVENUE CHANGE (AMOUNT) (D=C-B)	% OF REVENUE CHANGE (E=D/B)
	RESIDENTIAL SERVICE			,	
1	RESIDENTIAL SERVICE (RS)	820,975,249	793,086,181	(27,889,068)	(3.40%)
2	OPTIONAL HEATING SERVICE (ORH)	662,490	659,592	(2,898)	(0.44%)
3	TIME OF DAY ADVANCED METERING (TD-AM)	545	530	(15)	(2.75%)
4	OPTIONAL TIME OF DAY SERVICE (TD)	39,247	38,678	(569)	(1.45%)
5	COMMON USE RESIDENTIAL SERVICE (CUR)	11,690,270	10,769,545	(920,725)	(7.88%)
6	RESIDENTIAL THREE-PHASE SERVICE (RS3P)	289,167	284,475	(4,692)	(1.52%)
7	RESIDENTIAL SERVICE-LOW INCOME (RSLI)	7,694,826	7,404,742	(290,084)	(3.77%)
8	TOTAL RESIDENTIAL	841,351,794	812,243,743	(29,108,051)	(3.46%)
	DISTRIBUTION VOLTAGE SERVICE				
9	SECONDARY DISTRIBUTION (DS)	764,780,708	682,597,448	(82,183,260)	(10,75%)
10	SECONDARY DISTRIBUTION (DS RTP)	141,000	141,000	0	0.00%
11	UNMETERED SMALL FIXED LOADS (GSFL)	4,479,247	3,967,740	(511,507)	(11,42%)
12	ELEC SPACE HEATING (EH)	8,363,651	7,565,375	(798,276)	(9.54%)
13	SEC DISTRIBUTION SERVICE-SMALL (DM)	77.426.054	68,849,908	(8.576,146)	(11.08%)
14	PRIMARY DISTRIBUTION VOLTAGE (DP)	226,036,740	207,475,541	(18,551,199)	(8.21%)
15	PRIMARY DISTRIBUTION VOLTAGE (DP RTP)	(8,250,996)	(8,250,996)	` i o	0.00%
16	OPT UNMTRED SM FX LO ATTACH DIRECTLY PWR LINE (SFL-ADPL)	79,246	70,150	(9,096)	(11.48%)
17	TOTAL DISTRIBUTION	1,073,055,650	962,416,166	(110,639,484)	(10.31%)
	TRANSMISSION VOLTAGE SERVICE				<u> </u>
18	TRANSMISSION VOLTAGE (TS)	222,616,435	204,858,490	(17,757,945)	(7.98%)
19	TRANSMISSION VOLTAGE (TS RTP)	5,252,583	5,252,583	0	0.00%
20	TOTAL TRANSMISSION	227,869,018	210,111,073	(17,757,945)	(7.79%)
	LIGHTING SERVICE			171,721,101.127	(**************************************
21	STREET LIGHTING (SL)	6,790,762	6,562,712	(228,050)	(3.36%)
22	TRAFFIC LIGHTING (TL)	1,099,377	1,081,363	(18,014)	(1.64%)
23	OUTDOOR LIGHTING (OL)	3,450,769	3,306,261	(144,5D8)	(4.19%)
24	NON STD STREET LIGHTING (NSU)	234,554	225,589	(8,965)	(3.82%)
25	NON STD POL'S (NSP)	377,488	367.807	(9, \$ 81)	(2.56%)
26	S.LCUST OWNED (SC)	1,331,992	1,338,775	6,783	0.51%
27	S L - OVERHEAD EQUIV (SE)	632,755	605,480	(27,275)	(4.31%)
28	UNMETERED OUTDOOR LIGHTING (UOLS)	587,106	589,553	(17,553)	(2.99%)
29	TOTAL LIGHTING	14,504,803	14.057.540	(447,263)	(3.08%)
30	TOTAL RETAIL	2,156,781,265	1,998,828,522	(157,952,743)	(7.32%)
30	· VIALINEIMIL	2,100,701,205	,000,020,022	(107,802,743)	(1.52.70)

ANNUALIZED TEST YEAR REVENUES AT PROPOSED VS. 2011 RATES FOR THE TWELVE MONTHS ENDED JUNE 30, 2010 (ELECTRIC SERVICE)

DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED TYPE OF FILING: _X__ ORIGINAL ____ UPDATED ___ REVISED WORK PAPER REFERENCE NO(S).:

Period 3 of the MRO: 0% ESP, 100% GBP Blend

LINE NO.	RATE CLASSIFICATION (A)	REVENUE AT PRESENT RATES (B)	REVENUE AT PROPOSED RATES (C)	REVENUE CHANGE (AMOUNT) (D=C-B)	% OF REVENUE CHANGE (E=D / B)
	RESIDENTIAL SERVICE	, , , , , , , , , , , , , , , , , , , 		(5 (5)	
1	RESIDENTIAL SERVICE (RS)	820,975,249	677,531,341	(143,443,908)	(17,47%)
2	OPTIONAL HEATING SERVICE (ORH)	662,490	628,270	(34,220)	(5.17%)
3	TIME OF DAY ADVANCED METERING (TD-AM)	545	470	(75)	(13.76%)
4	OPTIONAL TIME OF DAY SERVICE (TD)	39,247	36,242	(3,005)	(7 66%)
5	COMMON USE RESIDENTIAL SERVICE (CUR)	11,690,270	9,221,591	(2,468,679)	(21.12%)
6	RESIDENTIAL THREE-PHASE SERVICE (RS3P)	289,167	264,437	(24,730)	(8.55%)
7	RESIDENTIAL SERVICE-LOW INCOME (RSLI)	7,694,826	6,204,906	(1,489,920)	(19.36%)
8	TOTAL RESIDENTIAL	841,351,794	693,887,257	(147,464,537)	(17.53%)
	DISTRIBUTION VOLTAGE SERVICE				
9	SECONDARY DISTRIBUTION (DS)	764,780,708	532,848,401	(231,932,307)	(30.33%)
10	SECONDARY DISTRIBUTION (DS RTP)	141,000	141,000	(201,002,001,	0.00%
11	UNMETERED SMALL FIXED LOADS (GSFL)	4,479,247	2,697,625	(1,781,622)	(39.78%)
12	ELEC SPACE HEATING (EH)	8,363,651	6 702,553	(1,661,098)	(19.86%)
13	SEC DISTRIBUTION SERVICE-SMALL (DM)	77,428,054	54,524,183	(22,901,871)	(29.58%)
14	PRIMARY DISTRIBUTION VOLTAGE (DP)	226,036,740	174,725,052	(51,311,688)	(22.70%)
15	PRIMARY DISTRIBUTION VOLTAGE (DP RTP)	(8,250,996)	(8,250,996)	- 0	0.00%
16	OPT UNMTREO SM FX LD ATTACH DIRECTLY PWR LINE (SFL-ADPL)	79,246	47,571	(31,675)	(39.97%)
17	TOTAL DISTRIBUTION	1,073,055,650	763,435,389	(309,620,261)	(28.85%)
	TRANSMISSION VOLTAGE SERVICE			(**************************************	
18	TRANSMISSION VOLTAGE (TS)	222,616,435	170,013,582	(52,602,853)	(23.63%)
19	TRANSMISSION VOLTAGE (TS RTP)	5,252,583	5,252,583	0	0.00%
20	TOTAL TRANSMISSION	227,869,018	175,266,165	(52,602,853)	(23.08%)
	LIGHTING SERVICE				
21	STREET LIGHTING (SL)	6,790,762	5,976,286	(814,476)	(11.99%)
22	TRAFFIC LIGHTING (TL)	1.099.377	1,171,415	72.038	6.55%
23	OUTDOOR LIGHTING (OL)	3,450,769	2,934,338	(516,431)	(14.97%)
24	NON STD STREET LIGHTING (NSU)	234,554	202,531	(32,023)	(13.65%)
25	NON STD POL'S (NSP)	377,488	342,899	(34,589)	(9.16%)
26	S L - CUST OWNED (SC)	1,331,992	1.287.505	(44,487)	(3.34%)
27	S L - OVERHEAD EQUIV (SE)	632,755	535,300	(97,455)	(15.40%)
28	UNMETERED OUTDOOR LIGHTING (UOLS)	587,106	604,896	17,790	3.03%
29	TOTAL LIGHTING	14,504,803	13,055,170	(1,449,633)	(9.99%)
3D	TOTAL RETAIL	2,156,781,265	1,645,643,981	(511,137,284)	(23.70%)
50	I A LUE VE LUIE	2,130,761,263	1,040,043,961	(311,137,204)	(23.70%)