

BEFORE**THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of)	
Duke Energy Ohio, Inc., for an)	Case No. 12-1682-EL-AIR
Increase in Electric Distribution Rates.)	
In the Matter of the Application of)	
Duke Energy Ohio, Inc., for Tariff)	Case No. 12-1683-EL-ATA
Approval.)	
In the Matter of the Application of)	
Duke Energy Ohio, Inc., for Approval)	Case No. 12-1684-EL-AAM
to Change Accounting Methods.)	

DIRECT TESTIMONY OF**JAMES A. RIDDLE****ON BEHALF OF****DUKE ENERGY OHIO, INC.**

_____	Management policies, practices, and organization
_____	Operating income
_____	Rate base
_____	Allocations
_____	Rate of return
_____	Rates and tariffs
<u> X </u>	Other: Rate Design

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TABLE OF CONTENTS

	<u>PAGE</u>
I. INTRODUCTION AND PURPOSE	1
II. FILING REQUIREMENTS	3
III. RETAIL ELECTRIC RATE SCHEDULES AND RIDERS	6
IV. RATE DESIGN	6
V. TARIFF CHANGES.....	8
VI. CONCLUSION	10

Attachment:

JAR-1: Annualized Test Year Revenues at Proposed vs. Most Current Rates

I. INTRODUCTION AND PURPOSE

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is James A. Riddle, and my business address is 139 E. Fourth Street,
3 Cincinnati, Ohio 45202.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am Rates Manager, Pricing and Rates Options, for Duke Energy Business
6 Services, LLC (DEBS). DEBS provides various administrative and other services
7 to Duke Energy Ohio, Inc., (Duke Energy Ohio or Company) and other affiliated
8 companies of Duke Energy Corporation (Duke Energy).

9 **Q. PLEASE BRIEFLY DESCRIBE YOUR EDUCATIONAL BACKGROUND**
10 **AND PROFESSIONAL EXPERIENCE.**

11 A. I received a B.S. degree in Agriculture from Wilmington College in Ohio in June
12 1979. In June 1981, I received a Master of Science degree in Agricultural
13 Economics from the Ohio State University.

14 I worked as a Field Office Manager/Loan Officer for the Farm Credit
15 System in Ohio from July 1981 to September 1985. In April 1986, I was hired by
16 The Cincinnati Gas & Electric Company (CG&E), the predecessor to Duke
17 Energy Ohio, as an Associate Economic Analyst. I became involved in all
18 aspects of developing the Gas Long-Term Load Forecast, including data
19 collection and organization, regression analysis, model building and solving,
20 report writing, and dissemination of the forecast throughout CG&E.

21 In 1990, my duties expanded beyond the Gas Load Forecast to include
22 aspects of the Electric Load Forecast. I became involved in electric end-use

1 forecasting and have performed Conditional Demand Analyses on the electric
2 residential sector. In 1995, I was promoted to Supervisor, Load Forecasting in the
3 Retail Market Analysis Department with responsibility for the preparation of
4 CG&E's Gas and Electric Load Forecasts.

5 I was promoted to the position of Manager, Load Forecasting in 1996,
6 where I was responsible for the preparation of the Gas and Electric Load
7 Forecasts of the Cinergy Corp. (and later Duke Energy) operating company
8 subsidiaries, including Duke Energy Carolinas Inc., Duke Energy Ohio, Duke
9 Energy Indiana, Inc., and Duke Energy Kentucky, Inc.

10 In September 2010, I accepted the position of Rates Manager, Pricing and
11 Rates Options.

12 **Q. PLEASE DESCRIBE YOUR DUTIES AS RATES MANAGER, PRICING**
13 **AND RATES OPTIONS.**

14 A. As Rates Manager, I am responsible for rate design, tariff administration, billing,
15 and revenue reporting issues in Ohio. I prepare filings to modify charges and
16 terms in Duke Energy Ohio's retail tariffs and develop rates for new services.
17 During major rate cases, I am responsible for the design of the new base rates.
18 Additionally, I frequently work with Duke Energy Ohio's customer contact and
19 billing personnel to answer rate-related questions and to apply the retail tariffs to
20 specific situations. Occasionally, I meet with customers and Company
21 representatives to explain rates or provide rate training. I also prepare reports that
22 are required by regulatory authorities.

1 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC**
2 **UTILITIES COMMISSION OF OHIO?**

3 A. Yes. Among others, I provided testimony on behalf of Duke Energy Ohio in its
4 last natural gas rate case, filed under Case No. 07-589-GA-AIR, *et al.*

5 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THESE**
6 **PROCEEDINGS?**

7 A. I describe the Company's rate design and other proposed changes to the
8 Company's retail electric rates, riders, and service regulations as filed in these
9 proceedings. My testimony provides support for certain schedules contained in
10 the Standard Filing Requirements, including Schedules E-1, E-2, E-2.1, E-3, E-
11 3.1, E-4, E-4.1, and E-5. Additionally, I sponsor Supplemental Filing
12 Requirement (C)(11) and Attachment JAR-1. I quantify the effect of these
13 changes to Duke Energy Ohio's retail electric customers.

II. **FILING REQUIREMENTS**

14 **Q. PLEASE DESCRIBE SCHEDULE E-1.**

15 A. Schedule E-1 encompasses the proposed rate schedules in a clean form.

16 **Q. PLEASE DESCRIBE SCHEDULE E-2.**

17 A. Schedule E-2 contains the Company's current rate schedules.

18 **Q. PLEASE DESCRIBE SCHEDULE E-2.1.**

19 A. Schedule E-2.1 contains the Company's proposed tariffs in scored and redlined
20 form.

1 **Q. PLEASE DESCRIBE SCHEDULE E-3.**

2 A. Schedule E-3 presents the rationale for the proposed changes. The sheet number
3 of the respective current and proposed rates within Schedules E-1 and E-2 is
4 contained in the Data Reference section.

5 **Q. PLEASE DESCRIBE SCHEDULE E-3.1.**

6 A. Schedule E-3.1 presents the components and computation of the customer charge.
7 This computation has been completed for the residential, small distribution, large
8 distribution, primary distribution, and transmission service rates.

9 **Q. PLEASE DESCRIBE SCHEDULE E-4.**

10 A. Schedule E-4 is the required revenue summary schedule depicting revenues at the
11 current rate level and at the proposed rate level. Sales figures and the associated
12 revenues are brought forward from Schedule E-4.1. These summaries identify
13 sales and total revenues by rate schedule, and the percent of revenue each rate
14 schedule contributes to total revenue. In addition, Schedule E-4 displays the
15 amount and percent increase due to the proposed distribution base rates for each
16 class of service, excluding all riders.

17 **Q. HAVE YOU DEVELOPED ANOTHER VERSION OF SCHEDULE E-4**
18 **THAT INCLUDES ALL RIDERS?**

19 A. Yes. Attachment JAR-1 is a replication of pages 1 and 2 of Schedule E-4,
20 including all applicable riders, providing a comparison on a total-bill basis.

21 **Q. PLEASE DESCRIBE SCHEDULE E-4.1.**

22 A. Schedule E-4.1 is a series of analyses that develop the revenues shown on
23 Schedule E-4. It shows billing determinants by rate schedule and customer class,

1 appropriately blocked to comply with the Commission's Standard Filing
2 Requirements. The billing determinants are based on three months actual and nine
3 months forecasted sales for the period. The summary information from Schedule E-
4 4.1 is carried over to Schedule E-4.

5 **Q. PLEASE DESCRIBE SCHEDULE E-4.3.**

6 A. Schedule E-4.3 requires the submission of actual statistics. This schedule cannot
7 be prepared now since the test year in these proceedings is the twelve months
8 ending December 31, 2012. Schedule E-4.3 will be prepared as soon as actual
9 data are available and filed according to the Commission's regulations.

10 **Q. PLEASE DESCRIBE SCHEDULE E-5.**

11 A. Schedule E-5 is a typical bill comparison that presents the effect of the proposed
12 rates, showing the amount and percent increases for bills at various consumption
13 levels.

14 **Q. PLEASE DESCRIBE SUPPLEMENTAL FILING REQUIREMENT**
15 **(C)(11).**

16 A. Supplemental Filing Requirement (C)(11) consists of monthly sales by rate
17 schedule consistent with Schedule C-2.1.

III. RETAIL ELECTRIC RATE SCHEDULES AND RIDERS

1 **Q. WHAT ARE THE COMPANY'S MAJOR DISTRIBUTION RETAIL**
2 **ELECTRIC RATE SCHEDULES?**

3 A. The Company's major retail electric rate schedules include: Rate RS - Residential
4 Service; Rate DM – Secondary Distribution Service - Small; Rate DS – Service at
5 Secondary Distribution Voltage; Rate DP – Service at Primary Distribution
6 Voltage; and Rate TS – Service at Transmission Voltage. Together, these rate
7 schedules comprise more than 97 percent of the Company's distribution retail
8 electric revenue requirement.

IV. RATE DESIGN

9 **Q. PLEASE DESCRIBE THE SPECIFIC METHOD USED TO DESIGN THE**
10 **RATES.**

11 A. I believe that the Company's current rate design has served Duke Energy Ohio
12 customers well and that it is based on sound rate design principles. Therefore, it
13 was decided not to make any structural changes in the design of the rates. The
14 revenue requirement was allocated to the customer charge and the energy charge
15 (block steps where applicable) of the rate based on the current rate design,
16 maintaining the proportions between the various portions of the rate.

17 **Q. HAS A TARIFF FOR RATE RS BEEN PREPARED?**

18 A. Yes. To meet the allocated revenue requirement and maintain the current
19 proportion of customer charge to energy charge, the customer charge was raised
20 modestly to \$6.79 per month, which is significantly less than the monthly fixed
21 costs associated with serving residential customers. The remainder of the revenue

1 requirement, after subsidy and excess revenue reductions, was satisfied in the
2 block steps of the rate.

3 **Q. WHAT IS THE EFFECT OF THIS RATE INCREASE ON A**
4 **RESIDENTIAL CUSTOMER USING 1,000 KWH PER MONTH?**

5 A. A residential customer using 1,000 kWh per month will experience an increase of
6 \$6.49, or 6.40 percent on a total bill basis.

7 **Q. HAS A TARIFF FOR RATE DM BEEN PREPARED?**

8 A. Yes. This rate was developed in a manner consistent with Rate RS and increased
9 the customer charges to \$8.75 and \$17.51 for single phase and three phase
10 service, respectively.

11 **Q. PLEASE DESCRIBE THE COMPANY'S RATE DESIGN OBJECTIVES**
12 **FOR RATE DS, RATE DP, AND RATE TS.**

13 A. The rate design objective for these rate schedules (hereinafter referred to as power
14 rate schedules or power rates) has been and continues to be the provision of more
15 accurate price signals. To accomplish this, the Company has made modest
16 progress by increasing the customer charges in each of the rates. For Rates DS
17 and DP, the customer charges remain substantially below the actual cost to serve.
18 Aside from this, there are no structural changes to the power rates.

19 **Q. WHAT ARE THE PROPOSED CUSTOMER CHARGES FOR RATE DS,**
20 **RATE DP, AND RATE TS?**

21 A. The customer charges for Rates DP and TS are \$273.21 and \$201.54,
22 respectively. For DS, the customer charges are \$24.75 for single phase service
23 and \$49.51 for three phase service.

1 **Q. HAVE YOU PREPARED RATE STRUCTURES FOR THE POWER**
2 **RATES?**

3 A. Yes. Again, there are no structural changes. Following an increase in the
4 customer charges for Rates DS, DP, and TS, the remainder of the revenue
5 requirement was satisfied by increasing the respective kW charge for Rates DP
6 and DS and leaving the kVA charge for Rate TS at \$0.00.

7 **Q. PLEASE DESCRIBE THE COMPANY’S RATE DESIGN OBJECTIVES**
8 **FOR RATE SL – STREET LIGHTING SERVICE; RATE SE – STREET**
9 **LIGHTING SERVICE, OVERHEAD EQUIVALENT; RATE OL -**
10 **OUTDOOR LIGHTING SERVICE; AND RATE OLE – OUTDOOR**
11 **LIGHTING EQUIPMENT.**

12 A. The rate design objective for these rate schedules, similar to the other rate classes,
13 is to allocate the increased cost of service to the Distribution, Energy &
14 Equipment charge of the rate schedules.

V. TARIFF CHANGES

15 **Q. DOES THE COMPANY PROPOSE ANY TEXT CHANGES IN ITS**
16 **TARIFF SCHEDULES?**

17 A. Yes. Duke Energy Ohio proposes the following text changes to its tariff:

18 (1) Changes to its Service Regulations – Section II, Sheet No. 21.6, under
19 paragraph (8) Right-of-Way;

20 (2) Language changes to Rider LM – Load Management Rider, Sheet No. 76.
21 Verbiage modified such that section 2 terms apply to customers with
22 demands of 500 kW or greater instead of customers with interval

metering. With customer choice, customers with demands less than 500 kW are being equipped with interval metering. This change removes any confusion surrounding which customers are eligible for service under this rider;

(3) Language changes to Rider GP, GoGreen Rider, Sheet No. 79. Verbiage modified such that the listed price applies to all rates, and not just RS. The Company proposes to eliminate carbon credits from Rider GP. This change eliminates any confusion as to applicability. The Company is no longer proposing to buy carbon credits under this rider;

(4) Language changes to Rider PLM, Peak Load Management Program, Sheet No. 87. These revisions reflect necessary changes to the operation of this program based on customer and Company experience. Duke Energy Ohio witness Bruce L. Sailors discusses the Company's changes in more detail;

(5) Additional language to Co-generation and Small Power Production Sale and Purchase Tariff, Sheet No. 93. Changes to pricing were made to reflect the PJM Interconnection LLC (PJM) Real Time Locational Marginal Price (LMP) at the DEOK Zone due to the Company's move to PJM; and

(6) Language changes to Rider GSS, Generation support Service, Sheet No. 98. The Company revised the language to make the tariff sheet easier to understand and clear up any areas of confusion or misunderstanding in the language.

1 **Q. IS THE COMPANY PROPOSING ANY NEW RIDERS IN THESE**
2 **PROCEEDINGS?**

3 A. Yes, the Company is proposing to implement Rider FRT, Facility Relocation
4 Mass Transportation Rider. This Rider is discussed in the Direct Testimony of
5 Duke Energy Ohio witnesses William Don Wathen Jr. and Richard D. Harrell.

6 **Q. PLEASE BRIEFLY DESCRIBE ANY OTHER CHANGES MADE TO THE**
7 **COMPANY'S RATE SCHEDULES.**

8 A. All of the Company's rate schedules not previously discussed have been modified
9 to produce the assigned revenue level from the cost of service study. Standard
10 Filing Requirement Schedule E-4 details the assigned revenue for each of the
11 Company's rate schedules and the revenue level produced by the final rate design.

VI. CONCLUSION

12 **Q. HOW DOES THE COMPANY PROPOSE THAT THE COMPANY'S**
13 **TARIFFS, INCLUDING THE PREVIOUSLY DISCUSSED RATES AND**
14 **CHARGES, BE IMPLEMENTED?**

15 A. Duke Energy Ohio proposes that the revised tariff, including the rates and charges
16 complying with the Commission's order in these proceedings, be established
17 effective January 1, 2013.

1 **Q. WAS THE INFORMATION CONTAINED IN ATTACHMENT JAR-1,**
2 **SCHEDULES E-1, E-2, E-2.1, E-3, E-3.1, E-4, E-4.1, E-5, AND**
3 **SUPPLEMENTAL FILING REQUIREMENT (C)(11) PREPARED BY**
4 **YOU OR UNDER YOUR SUPERVISION?**

5 A. Yes.

6 **Q. IS THE INFORMATION CONTAINED IN ATTACHMENT JAR-1,**
7 **SCHEDULES E-1, E-2, E-2.1, E-3, E-3.1, E-4, E-4.1, E-5, AND**
8 **SUPPLEMENTAL FILING REQUIREMENT (C)(11) ACCURATE TO**
9 **THE BEST OF YOUR KNOWLEDGE AND BELIEF?**

10 A. Yes.

11 **Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

12 A. Yes.

DUKE ENERGY OHIO
CASE NO. 12-1682-EL-AIR
ANNUALIZED TEST YEAR REVENUES AT PROPOSED VS. MOST CURRENT RATES
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2012
(ELECTRIC SERVICE)

DATA: 3 MONTHS ACTUAL & 9 MONTHS ESTIMATED
TYPE OF FILING: X ORIGINAL UPDATED REVISED
WORK PAPER REFERENCE NO(S):

SCHEDULE E-4
PAGE 1 OF 2
WITNESS:
J. A. RIDDLE

PROPOSED ANNUALIZED

LINE NO.	RATE CODE (A)	CLASS / DESCRIPTION (B)	CUSTOMER BILLS (1) (C)	SALES (D)	PROPOSED RATES (E)	PROPOSED REVENUE LESS FUEL COST REVENUE (F)	% OF REV TO TOTAL LESS FUEL COST REVENUE (G)	FUEL COST REVENUE (H)	PROPOSED TOTAL REVENUE (F + H) (I)
				(KWH)	(\$/KWH)	(\$)	(%)	(\$)	(\$)
RESIDENTIAL SERVICE									
1	RS	RESIDENTIAL SERV	7,262,883	6,943,211,819	10.622004	737,508,239	97.52	0	737,508,239
2	ORH	OPTIONAL HEATING SERVICE	2,396	6,373,893	7.692818	490,332	0.06	0	490,332
3	TD-2012 BASE	OPTIONAL TIME OF DAY SERVICE	795	595,793	10.694822	63,719	0.01	0	63,719
4	TD-2012 PLUS	OPTIONAL TIME OF DAY SERVICE	842	630,841	10.557335	66,500	0.01	0	66,500
5	TD-2012 MAX	OPTIONAL TIME OF DAY SERVICE	579	434,578	10.417923	45,274	0.01	0	45,274
6	TD	OPTIONAL TIME OF DAY SERVICE	273	421,741	8.737590	36,850	0.00	0	36,850
7	CUR	COMMON USE RESIDENTIAL SERVICE	163,264	88,118,584	11.269118	9,930,187	1.31	0	9,930,187
8	RS3P	RESIDENTIAL THREE-PHASE SERVICE	1,982	4,176,933	9.604583	401,177	0.05	0	401,177
9	RS1I	RESIDENTIAL SERVICE-LOW INCOME	102,386	73,988,688	10.393037	7,689,672	1.02	0	7,689,672
10		TOTAL RESIDENTIAL	7,535,400	7,117,952,670	10.624292	756,232,050	42.36	0	756,232,050
DISTRIBUTION VOLTAGE SERVICE									
11									
12	DS	SEC DISTRIBUTION SERV	242,331	6,366,398,533	8.760977	557,758,701	68.87	0	557,758,701
13	DS RTP	SEC DISTRIBUTION SERV RTP	24	1,772,005	11.736423	207,970	0.03	0	207,970
14	GSFL	UNMTRD SMALL FIXED LOAD	4,242	29,662,364	9.106938	2,701,333	0.33	0	2,701,333
15	EH	ELEC SPACE HTG	6,945	69,443,303	8.468065	5,880,504	0.72	0	5,880,504
16	DM	SEC DIST SERV-SMALL	480,412	527,335,773	11.315553	59,670,961	7.35	0	59,670,961
17	DP	PRIM DIST VOLTAGE	4,630	2,318,186,651	7.880048	182,875,012	22.49	0	182,875,012
18	DP RTP	PRIM DIST VOLTAGE RTP	36	13,712,979	23.743156	3,255,894	0.40	0	3,255,894
19	SFL-ADPL	OPT UNMTRD SM FX LD ATTACH DIRECTLY PWR LINE	48	517,846	11.696394	61,605	0.01	0	61,605
20		TOTAL DISTRIBUTION	718,668	9,327,039,454	8.708144	812,211,980	45.49	0	812,211,980
TRANSMISSION VOLTAGE SERVICE									
21									
22	TS	TRANSMISSION SERV	531	3,115,139,371	5.996972	186,814,048	100.00	0	186,814,048
23	TS RTP	TRANSMISSION SERV RTP	24	22,668,541	0.034674	7,860	0.00	0	7,860
24		TOTAL TRANSMISSION	555	3,137,807,912	5.953899	186,821,908	10.46	0	186,821,908
LIGHTING SERVICE									
25									
26	SL	STREET LIGHTING	527,707	39,007,320	27.968692	10,909,977	51.69	0	10,909,977
27	TL	TRAFFIC LIGHTING	424,166	18,168,696	10.211856	1,855,361	8.79	0	1,855,361
28	OL	OUTDOOR LIGHTING	207,043	20,517,593	20.065175	4,116,891	19.51	0	4,116,891
29	NSU	NON STD STREET LIGHTING	22,147	1,029,982	23.012829	237,028	1.12	0	237,028
30	NSP	NON STD POL'S	26,411	1,339,766	37.425640	501,416	2.38	0	501,416
31	SC	S L - CUST OWNED	1,152	21,155,286	6.657679	1,408,451	6.67	0	1,408,451
32	SE	S L - OVERHEAD EQUIV	80,683	4,987,426	20.394047	1,017,138	4.82	0	1,017,138
33	UOLS	UNMETERED OUTDOOR LIGHTING	10,655	16,686,247	6.355288	1,060,459	5.02	0	1,060,459
34		TOTAL LIGHTING	1,299,944	122,892,816	17.174902	21,106,721	1.18	0	21,106,721
35		TOTAL RETAIL	9,554,667	19,705,692,852		1,776,372,659	99.49	0	1,776,372,659
OTHER MISCELLANEOUS REVENUE									
36									
37	INTERDEPARTMENTAL		12	4,004,501	6.872192	275,197	3.05	0	275,197
38	BAD CHECK CHARGES		0	0	-	0	0.00	0	0
39	LATE PAYMENT CHARGES		0	0	-	0	0.00	0	0
40	RECONNECTION CHARGES		0	0	-	0	0.00	0	0
41	RENTS		0	0	-	2,771,052	30.67	0	2,771,052
42	POLE CONTACT RENTALS		0	0	-	1,563,439	17.30	0	1,563,439
43	INTERCOMPANY		0	0	-	0	0.00	0	0
44	SPECIAL CONTRACTS		24	1,415,959	1.545878	21,889	0.24	0	21,889
45	OTHER MISC		0	0	-	4,404,693	48.74	0	4,404,693
46		TOTAL MISC	36	5,420,460	166.706700	9,036,270	0.51	0	9,036,270
47		TOTAL COMPANY	9,554,703	19,711,113,312	9.057880	1,785,408,929	100.00	0	1,785,408,929

NOTE: DETAIL CONTAINED ON SCHEDULES E-4.1 PAGES 1 THROUGH 50.

(1) THE NUMBER OF UNITS IS USED FOR DESIGNING LIGHTING RATES (NOT THE NUMBER OF BILLS).

DUKE ENERGY OHIO
CASE NO. 12-1882-EL-1F
ANNUALIZED TEST YEAR REVENUES AT PROPOSED VS. MOST CURRENT RATE
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 201:
(ELECTRIC SERVICE)

DATA: 3 MONTHS ACTUAL & 9 MONTHS ESTIMATED
TYPE OF FILING: X ORIGINAL UPDATED REVISED
WORK PAPER REFERENCE NO(S):

SCHEDULE E-4
PAGE 2 OF 1
WITNESS:
J. A. RIDDLE

CURRENT ANNUALIZED

LINE NO.	RATE CODE (A)	CLASS / DESCRIPTION (B)	CUSTOMER BILLS (1) (C)	SALES (D)	MOST CURRENT RATES (J)	CURRENT REVENUE LESS FUEL COST REVENUE (K)	% OF REV TO TOTAL LESS FUEL COST REVENUE (L)	REVENUE INCR LESS FUEL COST REV (F - K)	% INCR IN REV LESS FUEL COST REV (M / K)	FUEL COST REVENUE (H)	CURRENT TOTAL REVENUE (K + H) (K1)	TOTAL REVENUE % INCREASE (M / K1) (O)
				(KWH)	(\$/KWH)	(\$)	(%)	(\$)	(%)	(\$)	(\$)	(%)
RESIDENTIAL SERVICE												
1	RS	RESIDENTIAL SERV	7,282,883	6,943,211,819	9,989,144	691,970,470	97.54	45,537,788	6.6	0	691,970,470	6.6
2	ORH	OPTIONAL HEATING SERVICE	2,398	6,373,303	7,154,921	458,047	0.06	34,285	7.5	0	458,047	7.5
3	TD-2012 BASE	OPTIONAL TIME OF DAY SERVICE	795	955,750	10,002,467	59,894	0.01	4,125	8.9	0	59,894	8.9
4	TD-2012 PLUS	OPTIONAL TIME OF DAY SERVICE	642	630,841	9,864,926	62,232	0.01	4,388	7.0	0	62,232	7.0
5	TD-2012 MAX	OPTIONAL TIME OF DAY SERVICE	579	434,578	9,725,757	42,288	0.01	3,008	7.1	0	42,288	7.1
6	TD	OPTIONAL TIME OF DAY SERVICE	273	421,741	8,155,954	34,397	0.00	2,453	7.1	0	34,397	7.1
7	CUR	COMMON USE RESIDENTIAL SERVICE	163,264	38,118,584	10,509,611	9,260,920	1.31	869,287	7.2	0	9,260,920	7.2
8	RS3P	RESIDENTIAL THREE-PHASE SERVICE	1,982	4,116,353	9,028,644	376,879	0.05	24,298	8.4	0	376,879	8.4
9	RSLI	RESIDENTIAL SERVICE-LOW INCOME	102,388	73,988,888	9,864,028	7,172,484	1.01	517,188	7.2	0	7,172,484	7.2
10	TOTAL RESIDENTIAL		7,535,400	7,117,952,870	9,996,845	705,438,288	41.76	46,798,781	6.6	0	705,438,288	6.6
DISTRIBUTION VOLTAGE SERVICE												
11	DS	SEC DISTRIBUTION SERV	242,331	6,368,398,533	8,378,796	533,427,526	68.71	24,331,172	4.6	0	533,427,526	4.6
12	DS RTP	SEC DISTRIBUTION SERV RTP	24	1,772,005	11,224,400	198,898	0.03	9,072	4.6	0	198,898	4.6
14	GSFL	UNMTRD SMALL FIXED LOAT	4,242	29,562,364	8,850,052	2,965,810	0.33	135,523	5.3	0	2,965,810	5.3
15	EH	ELEC SPACE HTG	8,945	68,443,303	8,208,244	5,700,076	0.73	180,428	3.2	0	5,700,076	3.2
16	DM	SEC DIST SERV-SMALL	460,417	527,336,773	10,711,870	56,487,523	7.28	3,183,438	5.6	0	56,487,523	5.6
17	DP	PRIM DIST VOLTAGE	4,630	2,318,198,851	7,541,797	174,839,692	22.52	7,641,320	4.5	0	174,839,692	4.5
18	DP RTP	PRIM DIST VOLTAGE RTP	36	13,712,379	22,723,983	3,116,135	0.40	139,759	4.6	0	3,116,135	4.6
19	SFL-ADPL	OPT UNMTRD SM FX LD ATTACH DIRECTLY PWR LINE	48	517,846	11,456,688	59,328	0.01	2,277	3.8	0	59,328	3.8
20	TOTAL DISTRIBUTION		718,968	9,327,036,454	8,324,067	778,386,991	45.70	35,922,989	4.6	0	778,386,991	4.6
TRANSMISSION VOLTAGE SERVICE												
21	TS	TRANSMISSION SERV	631	3,115,139,371	5,995,944	188,813,164	100.00	884	0.0	0	188,813,164	0.0
22	TS RTP	TRANSMISSION SERV RTP	24	27,988,541	0,034,409	7,900	0.00	60	0.8	0	7,900	0.8
24	TOTAL TRANSMISSION		655	3,143,127,912	5,995,989	196,820,964	11.00	944	0.0	0	196,820,964	0.0
LIGHTING SERVICE												
26	SL	STREET LIGHTING	527,707	39,007,820	21,285,711	8,303,092	48.53	2,806,886	31.4	0	8,303,092	31.4
27	TL	TRAFFIC LIGHTING	424,168	18,168,898	9,802,333	1,780,958	10.41	74,405	4.2	0	1,780,958	4.2
28	OL	OUTDOOR LIGHTING	207,043	20,517,593	15,818,592	3,296,112	19.08	850,779	26.0	0	3,296,112	26.0
29	NSU	NON STD STREET LIGHTING	22,147	1,029,862	18,357,311	189,077	1.11	47,951	25.4	0	189,077	25.4
30	NSP	NON STD POL'S	26,411	1,138,788	27,707,053	372,416	2.18	129,000	34.6	0	372,416	34.6
31	SC	S L - CUST OWNED	1,152	21,155,288	8,420,140	1,358,199	7.94	50,252	3.7	0	1,358,199	3.7
32	SE	S L - OVERHEAD EQUIV	80,663	4,987,426	18,391,398	817,845	4.78	199,263	24.4	0	817,845	24.4
33	UOLS	UNMETERED OUTDOOR LIGHTING	10,655	18,899,247	6,116,052	1,020,860	5.97	39,573	3.9	0	1,020,860	3.9
34	TOTAL LIGHTING		1,299,944	122,882,816	13,921,544	17,108,577	1.01	3,998,144	23.4	0	17,108,577	23.4
36	TOTAL RETAIL		9,554,867	19,705,892,352		1,689,753,621	99.47	66,618,838	5.1	0	1,689,753,621	5.1
OTHER MISCELLANEOUS REVENUE												
37	INTERDEPARTMENTAL		12	4,004,501	6,872,182	275,197	3.05	0	0.0	0	275,197	-
38	BAD CHECK CHARGES		0	0	-	0	0.00	0	0.0	0	0	-
39	LATE PAYMENT CHARGES		0	0	-	0	0.00	0	0.0	0	0	-
40	RECONNECTION CHARGES		0	0	-	0	0.00	0	0.0	0	0	-
41	RENTS		0	0	-	2,771,052	30.57	0	0.0	0	2,771,052	-
42	POLE CONTACT RENTALS		0	0	-	1,563,439	17.30	0	0.0	0	1,563,439	-
43	INTERCOMPANY		0	0	-	0	0.00	0	0.0	0	0	-
44	SPECIAL CONTRACTS		24	1,415,959	1,548,878	21,889	0.24	0	0.0	0	21,889	-
45	OTHER MISC		0	0	-	4,404,693	48.74	0	0.0	0	4,404,693	-
46	TOTAL MISC		36	5,420,460	18,421,060	8,036,270	0.53	0	0.0	0	8,036,270	-
47	TOTAL COMPANY		9,554,703	19,711,113,312	8,818,438	1,698,790,091	100.00	66,618,838	5.1	0	1,698,790,091	5.1

NOTE: DETAIL CONTAINED ON SCHEDULES E-4.1 PAGES 1 THROUGH 51
(1) THE NUMBER OF UNITS IS USED FOR DESIGNING LIGHTING RATES (NOT THE NUMBER OF BILLS)