Electric Cost of Service Study

Projected Annual Billing Determinants Fiscal Year Ending September 30, 2022

			Billing	Energy		
Ln.		Number	Demand	Sales		
No.	Customer Class Description	of Bills	(kW)	(kWh)		
	(a)	(b)	(c)	(d)		
1	Residential Regular	286,364	0	266,233,634		
2	Residential Net Metering	1,588	0	1,295,769		
3	Total Residential	287,952	0	267,529,403		
4	Commerial Regular	37,416	0	111,923,908		
5	Commerial Net Metering	120	0	550,196		
6	Total Commercial	37,536	0	112,474,104		
7	Commerial Service Demand	1,020	105,763	49,285,812		
8	Lighting	6,723	0	3,781,570		
9	TOTAL Residential Service	287,952	0	267,529,403		
10	TOTAL Commercial Service	37,536	0	112,474,104		
11	TOTAL Commercial Service Demand	1,020	105,763	49,285,812		
12	TOTAL Lighting	6,723	0	3,781,570		
13	TOTAL SYSTEM	333,231	105,763	433,070,889		

Electric Cost of Service Study

Projected Annual Billing Determinants Fiscal Year Ending September 30, 2023

			Billing	Energy		
Ln.		Number	Demand	Sales		
No.	Customer Class Description	of Bills	(kW)	(kWh)		
	(a)	(b)	(c)	(d)		
1	Residential Regular	287,804	0	267,571,281		
2	Residential Net Metering	1,588	0	1,295,769		
3	Total Residential	289,392	0	268,867,050		
4	Commerial Regular	37,416	0	111,923,908		
5	Commerial Net Metering	120	0	550,196		
6	Total Commercial	37,536	0	112,474,104		
7	Commerial Service Demand	1,020	105,763	49,285,812		
8	Lighting	6,723	0	3,781,570		
9	TOTAL Residential Service	289,392	0	268,867,050		
10	TOTAL Commercial Service	37,536	0	112,474,104		
11	TOTAL Commercial Service Demand	1,020	105,763	49,285,812		
12	TOTAL Lighting	6,723	0	3,781,570		
13	TOTAL SYSTEM	334,671	105,763	434,408,536		

Electric Cost of Service Study

Summary of Other Electric Revenues

Fiscal Year Ending September 30

Ln.	Description (a)	Projected FY 2022 [1] (b)	Adjustments to Projected	Adjusted FY 2022 Revenues
	ζ-,	(-)	(-)	(=)
	Other Electric Revenues			
1	Gas Transportation Revenues	\$5,061,617	\$0	\$5,061,617
2	NSF and Bank Charges	35,000	0	35,000
3	Miscellaneous [2]	255,590	0	255,590
4	Service Charge	670,000	0	670,000
5	Penalties/Late Fees	520,000	0	520,000
6	Tampering Fines	15,000	0	15,000
7	Investments	206,103	0	206,103
8	FDOT-Reimbursement	192,260	0	192,260
9	Other	30,000	0	30,000
10	Water	381,310	0	381,310
11	Refuse	32,770	0	32,770
12	Local Sewer	300,000	0	300,000
13	Residential Payment Plan Revenues	59,547	0	59,547
14	Commercial Payment Plan Revenues	26,500	0	26,500
15	Contributions in Aid of Construction	160,000	0	160,000
16	Budget Calibration	47,742	0	47,742
17	Total Other Electric Revenues	\$7,993,439	\$0	\$7,993,439

^[1] Based on the projected FY 2022 Other Revenues provided by the City.

^[2] Pole Attachment Fees.

Calculation of Power Cost Adjustment (PCA)

Fiscal Year Ending September 30

Ln.						
No.	Description	2021	2022	2023	2024	2025
	(a)	(b)	(c)	(d)	(e)	(f)
	Power Costs [1]					
1	FMPA St. Lucie Project	\$11,311,919	\$10,734,240	\$8,038,739	\$8,038,739	\$8,037,000
2	FMPA Stanton Project	2,544,328	2,428,222	1,975,310	2,074,134	2,178,057
3	Supplemental Purchased Power	9,222,373	9,815,125	8,515,560	7,296,856	7,784,610
4	Solar	0	434,880	1,234,976	2,658,503	2,677,348
5	FPL Transmission	2,105,482	2,114,309	2,124,881	2,135,505	2,146,182
6	Total Power Costs	\$25,184,102	\$25,526,777	\$21,889,466	\$22,203,737	\$22,823,197
7	Total Energy Purchased (kWh)	473,901,000	473,353,000	475,719,765	478,098,364	480,488,856
8	Total Cost Per kWh Purchased	\$0.0531	\$0.0539	\$0.0460	\$0.0464	\$0.0475
9	Total Energy Sales (kWh) [2]	434,572,275	433,070,899	435,236,253	437,412,435	439,599,497
10	Total Cost Per kWh Sold	\$0.0580	\$0.0589	\$0.0503	\$0.0508	\$0.0519
11	FMPA St. Lucie Project Fixed Costs	\$11,311,919	\$10,734,240	\$8,038,739	\$8,038,739	\$8,037,000
12	FMPA Stanton Project Fixed Costs	1,120,499	1,120,499	1,120,499	1,120,499	1,120,499
13	Net Power Costs	\$12,751,684	\$13,672,038	\$12,730,228	\$13,044,499	\$13,665,698
14	Transfer to Rate Stabilization Fund	0	0	500,000	500,000	500,000
15	Net Power Costs for PCA	\$12,751,684	\$13,672,038	\$13,230,228	\$13,544,499	\$14,165,698
16	Calculated PCA per kWh	\$0.0293	\$0.0316	\$0.0304	\$0.0310	\$0.0322

^[1] FY 2021-2025 provided by the City's power supply consultant.

^[2] FY 2022 from Table No. 2-2; FY 2023-2025 based on a growth rate of 0.5% per year.

Ln. No.	Rate Description	Unit	Existing Rates Effective October 1, 2019	Proposed Rates Effective January 1, 2022
	(a)	(b)	(c)	(d)
	Residential Service			
1	Schedule R-S Monthly Customer Charge	\$/Mo.	\$10.53	\$10.55
	Energy Charges < 1,000 kWh's			
2	Base	\$/kWh	\$0.05148	\$0.07200
3	Power Cost Adjustment	\$/kWh	\$0.03578	\$0.02950
	Energy Charges > 1,000 kWh's			
4	Base	\$/kWh	\$0.07880	\$0.09200
5	Power Cost Adjustment	\$/kWh	\$0.03900	\$0.03950
6	Capacity Charge All kWh's	\$/kWh	\$0.01020	-
7	Minimum Bill	\$/Mo.	\$31.40	\$35.00
	Commercial Service			
	Schedule C-S			
8	Monthly Customer Charge	\$/Mo.	\$16.66	\$17.00
	Energy Charges All kWh's			
9	Base	\$/kWh	\$0.07040	\$0.08200
10	Power Cost Adjustment	\$/kWh	\$0.03578	\$0.03160
11	Capacity	\$/kWh	\$0.01020	-
12	Minimum Bill - Single Phase	\$/Mo.	\$50.00	\$50.00
13	Minimum Bill - Poly Phase	\$/Mo.	\$50.00	\$100.00
	Commercial TOU Service			
1.4	Schedule CT-S Monthly Customer Charge	\$/Mo.	¢20.07	\$30.00
14		ψ/1 ν1 Ο.	\$28.97	φ30.00
	Energy Charges All kWh's Off - Peak	\$/kWh	Φ0.004.60	Φ0.00.400
15 16	Off - Peak On - Peak	\$/kWh	\$0.08460 \$0.26510	\$0.08400 \$0.26000
10	Oil - I Cak	φ/Κ • • • • • • • • • • • • • • • • • • •	\$0.20310	\$0.20000
	Commercial Demand Service			
	Schedule CD-S			
17	Monthly Customer Charge	\$/Mo.	\$120.00	\$130.00
	Energy Charges All kWh's			
18	Base	\$/kWh	\$0.03550	\$0.04800
19	Power Cost Adjustment	\$/kWh	\$0.02890	\$0.03160
20	Capacity	\$/kWh	\$0.01020	-
21	Demand Charge	\$/kW	\$14.48	\$12.00
22	Minimum Bill	\$/Mo.	\$140.00	\$250.00

Ln.			Existing Rates Effective		Proposed Rates Effective
No.	Rate Description	Unit	October 1, 2019		January 1, 2022
	(a)	(b)	(c)	_	(d)
	Commercial Demand TOU Service				
	Schedule CDT-S				
23	Monthly Customer Charge	\$/Mo.	\$130.32		\$140.00
	Energy Charges All kWh's				
24	Off - Peak	\$/kWh	\$0.06270		\$0.06200
25	On - Peak	\$/kWh	\$0.24320		\$0.24000
		ф./I. 33 7			
26	Demand Charge	\$/kW	\$7.39		\$7.00
				Monthly	
	Private Area Lighting			kWh	
	Schedule L-P				
27	175 W Mercury Vapor	\$/Mo.	\$11.63		\$12.21
28	400 W Mercury Vapor	\$/Mo.	\$18.24		\$19.15
29	1,000 W Mercury Vapor	\$/Mo.	\$35.89		\$37.68
30	100 W Sodium Vapor	\$/Mo.	\$9.46		\$9.93
31	250 W Sodium Vapor	\$/Mo.	\$13.58		\$14.26
32	360 W Sodium Vapor	\$/Mo.	\$16.24		\$17.05
33	400 W Sodium Vapor	\$/Mo.	\$16.33		\$17.15
34	48 W LED	\$/Mo.	-	20	\$9.00
35	70 W LED	\$/Mo.	_	29	\$9.70
36	80 W LED	\$/Mo.	_	33	\$9.70
37	101 W LED	\$/Mo.	_	41	\$16.30
38	110 W LED	\$/Mo.	_	45	\$16.30
39	133 W LED	\$/Mo.	_	55	\$16.30
40	150 W LED	\$/Mo.	_	62	\$16.30
41	Wood Pole and Span	\$/Mo.	\$2.55		\$10.00
42	Concrete Pole and Span	\$/Mo.	\$3.82		\$15.00
43	Underground Conductors up to 150 ft	\$/ft/Mo.	\$1.27		\$1.33
44	Underground Conductors 150-300 ft	\$/ft/Mo.	\$2.55		\$2.68
	Street Lighting	<u>—</u>			
	Schedule L-S	0.0.4	Φ= 40		Φ 7 . Ο 7 .
45	100 W Sodium Vapor	\$/Mo.	\$7.48		\$7.85
46	150 W Sodium Vapor	\$/Mo.	\$8.89		\$9.33
47	250 W Sodium Vapor	\$/Mo.	\$11.68		\$12.26
48	360 W Sodium Vapor	\$/Mo. \$/Mo.	\$14.47		\$15.19
49	400 W Sodium Vapor	\$/Mo.	\$16.28	20	\$17.09
50	48 W LED	\$/Mo.	-	20	\$9.00
51	70 W LED	\$/Mo.	-	29 33	\$9.70 \$9.70
52 52	80 W LED	\$/Mo.	-	33 41	
53 54	101 W LED 110 W LED	\$/Mo.	-	41 45	\$16.30 \$16.30
	133 W LED	\$/Mo.	-	43 55	\$16.30 \$16.30
55 56	150 W LED	\$/Mo.	-	55 62	\$16.30 \$16.30
50	Wood Pole and Span	\$/Mo.	\$2.55	02	\$10.00
57	Concrete Pole and Span	\$/Mo.	\$2.33 \$3.82		\$15.00
58	Underground Conductors up to 150 ft	\$/ft/Mo.	\$3.82 \$1.27		\$1.33
59	Underground Conductors 150-300 ft	\$/ft/Mo.	\$2.55		\$2.68
3)	Chacigionna Conductors 150-500 It	T W 1.101	ΨΔ.33		Ψ2.00

Ln. No.	Rate Description	Unit	Existing Rates Effective October 1, 2019	Proposed Rates Effective January 1, 2023
	(a)	(b)	(c)	(d)
	Residential Service	, ,	,,	, ,
	Schedule R-S			
1	Monthly Customer Charge	\$/Mo.	\$10.53	\$11.00
	Energy Charges < 1,000 kWh's			
2	Base	\$/kWh	\$0.05148	\$0.07800
3	Power Cost Adjustment	\$/kWh	\$0.03578	\$0.02830
	Energy Charges > 1,000 kWh's			
4	Base	\$/kWh	\$0.07880	\$0.09800
5	Power Cost Adjustment	\$/kWh	\$0.03900	\$0.03830
6	Capacity Charge All kWh's	\$/kWh	\$0.01020	-
7	Minimum Bill	\$/Mo.	\$31.40	\$35.00
	Commercial Service			
	Schedule C-S			
8	Monthly Customer Charge	\$/Mo.	\$16.66	\$17.00
	Energy Charges All kWh's			
9	Base	\$/kWh	\$0.07040	\$0.08100
10	Power Cost Adjustment	\$/kWh	\$0.03578	\$0.03040
11	Capacity	\$/kWh	\$0.01020	-
12	Minimum Bill - Single Phase	\$/Mo.	\$50.00	\$50.00
13	Minimum Bill - Poly Phase	\$/Mo.	\$50.00	\$100.00
	Commercial TOU Service			
1.4	Schedule CT-S	\$/Mo.	ф 2 0.0 7	¢20.00
14	Monthly Customer Charge	φ/IVIO.	\$28.97	\$30.00
	Energy Charges All kWh's	0.0.777		
15	Off - Peak	\$/kWh	\$0.08460	\$0.08400
16	On - Peak	\$/kWh	\$0.26510	\$0.26000
	Commercial Demand Service			
	Schedule CD-S	Φ.Δ.	4440.00	#120.00
17	Monthly Customer Charge	\$/Mo.	\$120.00	\$130.00
	Energy Charges All kWh's			
18	Base	\$/kWh	\$0.03550	\$0.04700
19	Power Cost Adjustment	\$/kWh	\$0.02890	\$0.03040
20	Capacity	\$/kWh	\$0.01020	-
21	Demand Charge	\$/kW	\$14.48	\$12.00
22	Minimum Bill	\$/Mo.	\$140.00	\$250.00

Ln.			Existing Rates Effective		Proposed Rates Effective
No.	Rate Description	Unit	October 1, 2019		January 1, 2023
	(a)	(b)	(c)	_	(d)
	Commercial Demand TOU Service				
	Schedule CDT-S				
23	Monthly Customer Charge	\$/Mo.	\$130.32		\$140.00
	Energy Charges All kWh's				
24	Off - Peak	\$/kWh	\$0.06270		\$0.06200
25	On - Peak	\$/kWh	\$0.24320		\$0.24000
26	Demand Charge	\$/kW	\$7.39		\$7.00
20	Demand Charge	ψ/ Κ ۷۷	\$1.39		\$7.00
				Monthly	
	Private Area Lighting			kWh	
	Schedule L-P				
27	175 W Mercury Vapor	\$/Mo.	\$11.63		\$12.21
28	400 W Mercury Vapor	\$/Mo.	\$18.24		\$19.15
29	1,000 W Mercury Vapor	\$/Mo.	\$35.89		\$37.68
30	100 W Sodium Vapor	\$/Mo.	\$9.46		\$9.93
31	250 W Sodium Vapor	\$/Mo.	\$13.58		\$14.26
32	360 W Sodium Vapor	\$/Mo.	\$16.24		\$17.05
33	400 W Sodium Vapor	\$/Mo.	\$16.33		\$17.15
34	48 W LED	\$/Mo.	_	20	\$9.00
35	70 W LED	\$/Mo.	_	29	\$9.70
36	80 W LED	\$/Mo.	-	33	\$9.70
37	101 W LED	\$/Mo.	-	41	\$16.30
38	110 W LED	\$/Mo.	-	45	\$16.30
39	133 W LED	\$/Mo.	-	55	\$16.30
40	150 W LED	\$/Mo.	-	62	\$16.30
41	Wood Pole and Span	\$/Mo.	\$2.55		\$10.00
42	Concrete Pole and Span	\$/Mo.	\$3.82		\$15.00
43	Underground Conductors up to 150 ft	\$/ft/Mo.	\$1.27		\$1.33
44	Underground Conductors 150-300 ft	\$/ft/Mo.	\$2.55		\$2.68
	Street Lighting				
4.5	Schedule L-S	\$/Mo.	ф 7 . 40		ф 7 О <i>Е</i>
45	100 W Sodium Vapor	\$/Mo.	\$7.48		\$7.85
46	150 W Sodium Vapor	\$/Mo.	\$8.89		\$9.33 \$12.26
47 48	250 W Sodium Vapor	\$/Mo.	\$11.68 \$14.47		\$12.26 \$15.19
40 49	360 W Sodium Vapor 400 W Sodium Vapor	\$/Mo.	\$14.47 \$16.28		\$13.19 \$17.09
50	48 W LED	\$/Mo.	\$10.26	20	\$9.00
51	70 W LED	\$/Mo.		29	\$9.70
52	80 W LED	\$/Mo.	_	33	\$9.70 \$9.70
53	101 W LED	\$/Mo.	_	41	\$16.30
53 54	110 W LED	\$/Mo.		45	\$16.30
55	133 W LED	\$/Mo.	_	55	\$16.30
56	150 W LED	\$/Mo.	_	62	\$16.30
50	Wood Pole and Span	\$/Mo.	\$2.55	~ -	\$10.00
57	Concrete Pole and Span	\$/Mo.	\$3.82		\$15.00
58	Underground Conductors up to 150 ft	\$/ft/Mo.	\$1.27		\$1.33
59	Underground Conductors 150-300 ft	\$/ft/Mo.	\$2.55		\$2.68

Electric Cost of Service Study

Ln. No.	Customer Class Description	Proposed Rate		Billing Determinants	Base Rate Revenue		ower Cost djustment	Total Revenue		
	(a)		(b)	(c)		(d)	(e)		(f)	
	Residential Regular									
1	Customer Charge	\$	10.55	286,364	\$	3,021,140	\$ -	\$	3,021,140	
2	Energy Charge < 1,000 kWhs	\$	0.07200	210,058,337		15,124,200	-		15,124,200	
3	Energy Charge > 1,000 kWhs	\$	0.09200	56,175,297		5,168,127	-		5,168,127	
4	Power Cost Adjustment < 1,000 kWhs	\$	0.02950	210,058,337		-	6,196,721		6,196,721	
5	Power Cost Adjustment > 1,000 kWhs	\$	0.03950	56,175,297		-	2,218,924		2,218,924	
6	Capacity Charge	\$	-	266,233,634		-	 		-	
7	Subtotal Residential Regular				\$	23,313,468	\$ 8,415,645	\$	31,729,113	
	Residential Net Metering									
8	Customer Charge	\$	10.55	1,588	\$	16,753	\$ -	\$	16,753	
9	Energy Charge < 1,000 kWhs	\$	0.07200	1,022,362		73,610	-		73,610	
10	Energy Charge > 1,000 kWhs	\$	0.09200	273,407		25,153	-		25,153	
11	Power Cost Adjustment < 1,000 kWhs	\$	0.02950	1,022,362		-	30,160		30,160	
12	Power Cost Adjustment > 1,000 kWhs	\$	0.03950	273,407		-	10,800		10,800	
13	Capacity Charge	\$	-	1,295,769		-	 		-	
14	Subtotal Residential Net Metering				\$	115,517	\$ 40,959	\$	156,476	
15	Residential Minimum Bill Revenue		\$35.00	23,160	\$	566,262	\$ -	\$	566,262	
16	Total Residential			267,529,403	\$	23,995,247	\$ 8,456,604	\$	32,451,851	
	Commercial Regular									
17	Customer Charge	\$	17.00	37,416	\$	636,072	\$ -	\$	636,072	
18	Energy Charge	\$	0.08200	111,923,908		9,177,760	-		9,177,760	
19	Capacity Charge	\$	-	111,923,908		-	-		-	
20	Power Cost Adjustment	\$	0.03160	111,923,908		-	 3,536,795		3,536,795	
21	Subtotal Commercial Regular				\$	9,813,832	\$ 3,536,795	\$	13,350,628	
	Commercial Net Metering									
22	Customer Charge	\$	17.00	120	\$	2,040	\$ -	\$	2,040	
23	Energy Charge	\$	0.08200	550,196		45,116	-		45,116	
24	Capacity Charge	\$	-	550,196		-	-		-	
25	Power Cost Adjustment	\$	0.03160	550,196		_	 17,386		17,386	
26	Subtotal Commercial Net Metering				\$	47,156	\$ 17,386	\$	64,542	
27	Commercial Minimum Bill Revenue -1Ph		\$50.00	6,240	\$	205,920	\$ -	\$	205,920	
28	Commercial Minimum Bill Revenue -PolyPh		\$100.00	1,440	\$	119,520	\$ -	\$	119,520	
29	Total Commercial			112,474,104	\$	10,186,429	\$ 3,554,182	\$	13,740,610	

Electric Cost of Service Study

Ln.	Chartenana Chan Description	I	Proposed	Billing	Base Rate		Power Cost	Total
No.	Customer Class Description (a)	_	(b)	Determinants (c)	 Revenue (d)	A	(e)	 Revenue (f)
	Commercial Service Demand							
30	Customer Charge	\$	130.00	1,020	\$ 132,600	\$	-	\$ 132,600
31	Energy Charge	\$	0.04800	49,285,812	2,365,719		-	2,365,719
32	Capacity Charge	\$	-	49,285,812	-		-	-
33	Power Cost Adjustment	\$	0.03160	49,285,812	-		1,557,432	1,557,432
34	Demand Charge	\$	12.00	105,763	 1,269,156			1,269,156
35	Total Commercial Service Demand				\$ 3,767,475	\$	1,557,432	\$ 5,324,907
36	Total Private Area Lighting			1,233,570	\$ 262,500			\$ 262,500
37	Total Street Lights			2,548,000	\$ 372,750			\$ 372,750
38	TOTAL RATE REVENUES				\$ 38,584,400	\$	13,568,218	\$ 52,152,618
39	OTHER REVENUES							 7,993,439
40	TOTAL REVENUES							\$ 60,146,057
41	ADJUSTED FOR 1/22 EFFECTIVE DAT	E						\$ 59,912,790

Electric Cost of Service Study

Ln. No.	Customer Class Description	F	Proposed Rate	Billing Determinants	Base Rate Revenue		ower Cost djustment	Total Revenue		
	(a)		(b)	(c)	(d)		(e)		(f)	
	Residential Regular									
1	Customer Charge	\$	11.00	287,804	\$ 3,165,844	\$	-	\$	3,165,844	
2	Energy Charge < 1,000 kWhs	\$	0.07800	211,113,741	16,466,872		-		16,466,872	
3	Energy Charge > 1,000 kWhs	\$	0.09800	56,457,540	5,532,839		-		5,532,839	
4	Power Cost Adjustment < 1,000 kWhs	\$	0.02830	211,113,741	-		5,974,519		5,974,519	
5	Power Cost Adjustment > 1,000 kWhs	\$	0.03830	56,457,540	-		2,162,324		2,162,324	
6	Capacity Charge	\$	-	267,571,281	-		-		-	
7	Subtotal Residential Regular				\$ 25,165,555	\$	8,136,843	\$	33,302,397	
	Residential Net Metering									
8	Customer Charge	\$	11.00	1,588	\$ 17,468	\$	-	\$	17,468	
9	Energy Charge < 1,000 kWhs	\$	0.07800	1,022,362	79,744		-		79,744	
10	Energy Charge > 1,000 kWhs	\$	0.09800	273,407	26,794		-		26,794	
11	Power Cost Adjustment < 1,000 kWhs	\$	0.02830	1,022,362	-		28,933		28,933	
12	Power Cost Adjustment > 1,000 kWhs	\$	0.03830	273,407	-		10,472		10,472	
13	Capacity Charge	\$	-	1,295,769			-			
14	Subtotal Residential Net Metering				\$ 124,006	\$	39,404	\$	163,411	
15	Residential Minimum Bill Revenue		\$35.00	23,160	\$ 555,840	\$	-	\$	555,840	
16	Total Residential			268,867,050	\$ 25,845,401	\$	8,176,247	\$	34,021,648	
	Commercial Regular									
17	Customer Charge	\$	17.00	37,416	\$ 636,072	\$	-	\$	636,072	
18	Energy Charge	\$	0.08100	111,923,908	9,065,837		-		9,065,837	
19	Capacity Charge	\$	-	111,923,908	-		-		-	
20	Power Cost Adjustment	\$	0.03040	111,923,908	-		3,402,487		3,402,487	
21	Subtotal Commercial Regular				\$ 9,701,909	\$	3,402,487	\$	13,104,395	
	Commercial Net Metering									
22	Customer Charge	\$	17.00	120	\$ 2,040	\$	-	\$	2,040	
23	Energy Charge	\$	0.08100	550,196	44,566		-		44,566	
24	Capacity Charge	\$	-	550,196	-		-		-	
25	Power Cost Adjustment	\$	0.03040	550,196	-		16,726		16,726	
26	Subtotal Commercial Net Metering				\$ 46,606	\$	16,726	\$	63,332	
27	Commercial Minimum Bill Revenue -1Ph		\$50.00	6,240	\$ 205,920	\$	-	\$	205,920	
28	Commercial Minimum Bill Revenue -PolyPh		\$100.00	1,440	\$ 119,520	\$	-	\$	119,520	
29	Total Commercial			112,474,104	\$ 10,073,954	\$	3,419,213	\$	13,493,167	

Electric Cost of Service Study

Ln.	Customer Class Passwintian]	Proposed Rate	Billing Determinants	Base Rate		Power Cost	Total
No.	Customer Class Description (a)		(b)	(c)	 (d)	A	(e)	 Revenue (f)
	Commercial Service Demand							
30	Customer Charge	\$	130.00	1,020	\$ 132,600	\$	-	\$ 132,600
31	Energy Charge	\$	0.04700	49,285,812	2,316,433		-	2,316,433
32	Capacity Charge	\$	-	49,285,812	-		-	-
33	Power Cost Adjustment	\$	0.03040	49,285,812	-		1,498,289	1,498,289
34	Demand Charge	\$	12.00	105,763	1,269,156		-	1,269,156
35	Total Commercial Service Demand				\$ 3,718,189	\$	1,498,289	\$ 5,216,478
36	Total Private Area Lighting			1,233,570	\$ 262,500			\$ 262,500
37	Total Street Lights			2,548,000	\$ 372,750			\$ 372,750
38	TOTAL RATE REVENUES				\$ 40,272,794	\$	13,093,748	\$ 53,366,543
39	OTHER REVENUES							 7,993,439
40	TOTAL REVENUES							\$ 61,359,982
41	ADJUSTED FOR 1/23 EFFECTIVE DATE	E						\$ 61,056,684

Electric Cost of Service Study

Comparison of Existing and Proposed Residential Service Rates [1]

			Residentia	al Service
			Existing	Proposed 2022
Customer Charge		(\$)	\$10.53	\$10.55
Energy Charge	First 1,000 kWh	(\$/kWh)	\$0.05148	\$0.07200
Energy Charge	Additional kWh	(\$/kWh)	\$0.07880	\$0.09200
PCA [2]	First 1,000 kWh	(\$/kWh)	\$0.03578	\$0.02950
PCA [2]	Additional kWh	(\$/kWh)	\$0.03900	\$0.03950
Capacity Charge	All kWh	(\$/kWh)	\$0.01020	-

	Existing		Proposed		Difference	
Usage	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost
(kWh)	(\$)	(Cents/kWh)	(\$)	(Cents/kWh)	(\$)	(Cents/kWh)
500	59.26	11.852	61.30	12.260	2.04	0.408
600	69.01	11.501	71.45	11.908	2.44	0.407
700	78.75	11.250	81.60	11.657	2.85	0.407
800	88.50	11.062	91.75	11.469	3.25	0.406
900	98.24	10.916	101.90	11.322	3.66	0.406
1,000	107.99	10.799	112.05	11.205	4.06	0.406
1,100	120.79	10.981	125.20	11.382	4.41	0.401
1,200	133.59	11.133	138.35	11.529	4.76	0.397
1,300	146.39	11.261	151.50	11.654	5.11	0.393
1,400	159.19	11.371	164.65	11.761	5.46	0.390
1,500	171.99	11.466	177.80	11.853	5.81	0.387
2,000	235.99	11.800	243.55	12.178	7.56	0.378
2,500	299.99	12.000	309.30	12.372	9.31	0.372
3,000	363.99	12.133	375.05	12.502	11.06	0.369
4,000	491.99	12.300	506.55	12.664	14.56	0.364
5,000	619.99	12.400	638.05	12.761	18.06	0.361

^[1] Amounts shown reflect single phase, inside the City service.

^[2] Proposed Power Cost Adjustment is for the fiscal year 2022.

Electric Cost of Service Study

Comparison of Existing and Proposed General Service Non-Demand Rates [1]

		General Servic	e Non-Demand
		Existing	Proposed 2022
Customer Charge	(\$)	\$16.66	\$17.00
Energy Charge All kWh	(\$/kWh)	\$0.07040	\$0.08200
Power Cost Adjustment [2]	(\$/kWh)	\$0.03578	\$0.03160
Capacity Charge	(\$/kWh)	\$0.01020	-

	Existing		Proposed		Difference	
Usage	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost
(kWh)	(\$)	(Cents/kWh)	(\$)	(Cents/kWh)	(\$)	(Cents/kWh)
1,000	133.04	13.304	130.60	13.060	(2.44)	(0.244)
1,250	162.14	12.971	159.00	12.720	(3.13)	(0.251)
1,500	191.23	12.749	187.40	12.493	(3.83)	(0.255)
1,750	220.33	12.590	215.80	12.331	(4.52)	(0.259)
1,900	237.78	12.515	232.84	12.255	(4.94)	(0.260)
2,000	249.42	12.471	244.20	12.210	(5.22)	(0.261)
3,000	365.80	12.193	357.80	11.927	(8.00)	(0.267)
4,000	482.18	12.055	471.40	11.785	(10.78)	(0.270)
5,000	598.56	11.971	585.00	11.700	(13.56)	(0.271)
6,000	714.94	11.916	698.60	11.643	(16.34)	(0.272)
7,000	831.32	11.876	812.20	11.603	(19.12)	(0.273)
8,000	947.70	11.846	925.80	11.573	(21.90)	(0.274)
9,000	1,064.08	11.823	1,039.40	11.549	(24.68)	(0.274)
10,000	1,180.46	11.805	1,153.00	11.530	(27.46)	(0.275)

^[1] Amounts shown reflect single phase, inside the City service.

^[2] Proposed Power Cost Adjustment is for the fiscal year 2022.

Electric Cost of Service Study

Comparison of Existing and Proposed Rates for General Service Demand [1]

		General Serv	vice Demand
		Existing	Proposed 2022
Customer Charge	(\$)	\$120.00	\$130.00
Demand Charge	(\$/kW)	\$14.48	\$12.00
Energy Charge All kWh	(\$/kWh)	\$0.03550	\$0.04800
Power Cost Adjustment [2]	(\$/kWh)	\$0.02890	\$0.03160
Capacity Charge	(\$/kWh)	\$0.01020	-

		_	Exist	ting	Prop	osed	Differe	nce
Demand	Hours	Usage	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost
(kW)		(kWh)	(\$)	(Cents/kWh)	(\$)	(Cents/kWh)	(\$)	(Cents/kWh)
30	200	6,000	1,002.00	16.700	967.60	16.127	(34.40)	(0.573)
	300	9,000	1,225.80	13.620	1,206.40	13.404	(19.40)	(0.216)
	400	12,000	1,449.60	12.080	1,445.20	12.043	(4.40)	(0.037)
150	200	30,000	4,530.00	15.100	4,318.00	14.393	(212.00)	(0.707)
	300	45,000	5,649.00	12.553	5,512.00	12.249	(137.00)	(0.304)
	400	60,000	6,768.00	11.280	6,706.00	11.177	(62.00)	(0.103)
500	200	100,000	14,820.00	14.820	14,090.00	14.090	(730.00)	(0.730)
	300	150,000	18,550.00	12.367	18,070.00	12.047	(480.00)	(0.320)
	400	200,000	22,280.00	11.140	22,050.00	11.025	(230.00)	(0.115)

^[1] Amounts shown reflect inside the City service, and exclude any applicable primary service discount or power factor correction.

^[2] Proposed Power Cost Adjustment is for the fiscal year 2022.

Electric Cost of Service Study

Comparison of Existing and Proposed Residential Service Rates [1]

			Residentia	al Service
			Existing	Proposed 2023
Customer Charge		(\$)	\$10.55	\$11.00
Energy Charge	First 1,000 kWh	(\$/kWh)	\$0.07200	\$0.07800
Energy Charge	Additional kWh	(\$/kWh)	\$0.09200	\$0.09800
PCA [2]	First 1,000 kWh	(\$/kWh)	\$0.02950	\$0.02830
PCA [2]	Additional kWh	(\$/kWh)	\$0.03950	\$0.03830

	Existing		Proposed		Difference	
Usage	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost
(kWh)	(\$)	(Cents/kWh)	(\$)	(Cents/kWh)	(\$)	(Cents/kWh)
500	61.30	12.260	64.15	12.830	2.85	0.570
600	71.45	11.908	74.78	12.463	3.33	0.555
700	81.60	11.657	85.41	12.201	3.81	0.544
800	91.75	11.469	96.04	12.005	4.29	0.536
900	101.90	11.322	106.67	11.852	4.77	0.530
1,000	112.05	11.205	117.30	11.730	5.25	0.525
1,100	125.20	11.382	130.93	11.903	5.73	0.521
1,200	138.35	11.529	144.56	12.047	6.21	0.518
1,300	151.50	11.654	158.19	12.168	6.69	0.515
1,400	164.65	11.761	171.82	12.273	7.17	0.512
1,500	177.80	11.853	185.45	12.363	7.65	0.510
2,000	243.55	12.178	253.60	12.680	10.05	0.503
2,500	309.30	12.372	321.75	12.870	12.45	0.498
3,000	375.05	12.502	389.90	12.997	14.85	0.495
4,000	506.55	12.664	526.20	13.155	19.65	0.491
5,000	638.05	12.761	662.50	13.250	24.45	0.489

^[1] Amounts shown reflect single phase, inside the City service.

^[2] Proposed Power Cost Adjustment is for the fiscal year 2023.

Electric Cost of Service Study

Comparison of Existing and Proposed General Service Non-Demand Rates [1]

		General Servic	General Service Non-Demand		
		Existing	Proposed 2023		
Customer Charge	(\$)	\$17.00	\$17.00		
Energy Charge All kWh	(\$/kWh)	\$0.08200	\$0.08100		
Power Cost Adjustment [2] (\$/kWh)		\$0.03160	\$0.03040		

	Exis	ting	Proposed		Difference	
Usage	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost
(kWh)	(\$)	(Cents/kWh)	(\$)	(Cents/kWh)	(\$)	(Cents/kWh)
1,000	130.60	13.060	128.40	12.840	(2.20)	(0.220)
1,250	159.00	12.720	156.25	12.500	(2.75)	(0.220)
1,500	187.40	12.493	184.10	12.273	(3.30)	(0.220)
1,750	215.80	12.331	211.95	12.111	(3.85)	(0.220)
1,900	232.84	12.255	228.66	12.035	(4.18)	(0.220)
2,000	244.20	12.210	239.80	11.990	(4.40)	(0.220)
3,000	357.80	11.927	351.20	11.707	(6.60)	(0.220)
4,000	471.40	11.785	462.60	11.565	(8.80)	(0.220)
5,000	585.00	11.700	574.00	11.480	(11.00)	(0.220)
6,000	698.60	11.643	685.40	11.423	(13.20)	(0.220)
7,000	812.20	11.603	796.80	11.383	(15.40)	(0.220)
8,000	925.80	11.573	908.20	11.353	(17.60)	(0.220)
9,000	1,039.40	11.549	1,019.60	11.329	(19.80)	(0.220)
10,000	1,153.00	11.530	1,131.00	11.310	(22.00)	(0.220)

^[1] Amounts shown reflect single phase, inside the City service.

^[2] Proposed Power Cost Adjustment is for the fiscal year 2023.

Electric Cost of Service Study

Comparison of Existing and Proposed Rates for General Service Demand [1]

		General Serv	General Service Demand		
		Existing	Proposed 2023		
Customer Charge	(\$)	\$130.00	\$130.00		
Demand Charge	(\$/kW)	\$12.00	\$12.00		
Energy Charge All kWh	(\$/kWh)	\$0.04800	\$0.04700		
Power Cost Adjustment [2]	(\$/kWh)	\$0.03160	\$0.03040		

Difference **Existing Proposed** Unit Cost Unit Cost Unit Cost Amount Amount Amount Demand Hours Usage (kWh) (\$) (Cents/kWh) (Cents/kWh) (\$) (kW) (\$) (Cents/kWh) **30** 200 6,000 967.60 16.127 954.40 15.907 (0.220)(13.20)**300** 9,000 1,206.40 13.404 1,186.60 13.184 (19.80)(0.220)12,000 12.043 1,418.80 11.823 (0.220)400 1,445.20 (26.40)**150** 200 30,000 4,318.00 14.393 4,252.00 14.173 (0.220)(66.00)**300** 45,000 5,512.00 12.249 5,413.00 12.029 (99.00)(0.220)(0.220)6,706.00 11.177 6,574.00 10.957 (132.00)**400** 60,000 200 100,000 (0.220)14,090.00 13.870 **500** 14.090 13,870.00 (220.00)(0.220)**300** 150,000 18,070.00 12.047 17,740.00 11.827 (330.00)200,000 11.025 10.805 (0.220)**400** 22,050.00 21,610.00 (440.00)

^[1] Amounts shown reflect inside the City service, and exclude any applicable primary service discount or power factor correction.

^[2] Proposed Power Cost Adjustment is for the fiscal year 2023.