

UNITIL ENERGY SYSTEMS, INC.
 2022 Step Adjustment Rate Design

Row	Description	Units	Test Year 2020 Bill Units	Actual Rates & Revenue		Bill Units	Settlement Proposed Rates & Revenue		Difference Over Prior		2022 Step Adj Proposed Rates & Revenue		Difference Over Prior	
				Rate	Revenue		Rate	Revenue	Amount	%	Rate	Revenue	Amount	%
A	B	C	D	E	F	G	H	I	J	K	L	M	O	P
1	Domestic													
2	Customer Charge		815,280	\$16.22	\$ 13,223,834	815,280	\$16.22	\$ 13,223,834	\$ -	0.0%	\$16.22	\$ 13,223,834	\$ -	0.0%
3	Energy Charge	kWh	515,968,592	\$ 0.03558	\$ 18,358,163	515,968,592	\$ 0.04333	\$ 22,356,919	\$ 3,998,757	21.8%	\$ 0.04486	\$ 23,146,351	\$ 789,432	3.5%
4	Subtotal: Domestic				\$ 31,581,996			\$ 35,580,753				\$ 36,370,185		
5	Total Schedule D				\$ 31,581,996			\$ 35,580,753	\$ 3,998,757	12.7%		\$ 36,370,185	\$ 789,432	2.2%
6	G2 - kWh													
7	Customer Charge		4,543	\$18.38	\$ 83,500	4,543	\$18.38	\$ 83,500	\$ -	0.0%	\$18.38	\$ 83,500	\$ -	0.0%
8	Energy Charge	kWh	438,744	\$ 0.00883	\$ 3,874	438,744	\$ 0.02404	\$ 10,547	\$ 6,673	172.3%	\$ 0.02879	\$ 12,631	\$ 2,084	19.8%
9	Subtotal G2 kWh				\$ 87,374			\$ 94,048	\$ 6,673	7.6%		\$ 96,132	\$ 2,084	2.2%
10	G2 QR WH /SH													
11	Customer Charge		3,089	\$9.73	\$ 30,056	3,089	\$9.73	\$ 30,056	\$ -	0.0%	\$9.73	\$ 30,056	\$ -	0.0%
12	Energy Charge	kWh	4,483,579	\$ 0.03204	\$ 143,654	4,483,579	\$ 0.03500	\$ 156,925	\$ 13,271	9.2%	\$ 0.03592	\$ 161,050	\$ 4,125	2.6%
13	Subtotal G2 QR WH/SH		7,632		\$ 173,710	7,632		\$ 186,981	\$ 13,271	7.6%		\$ 191,106	\$ 4,125	2.2%
14	G2 Demand													
15	Customer Charge		126,712	\$ 29.19	\$ 3,698,724	126,712	\$ 29.19	\$ 3,698,724	\$ -	0.0%	\$ 29.19	\$ 3,698,724	\$ -	0.0%
16	Demand Charge	kW	1,234,532	\$ 10.51	\$ 12,974,933	1,234,532	\$ 11.54	\$ 14,246,502	\$ 1,271,568	9.8%	\$ 11.86	\$ 14,641,552	\$ 395,050	2.8%
17	Transformer Ownership credit	kW	36,843	\$ (0.50)	\$ (18,421)	36,843	\$ (0.50)	\$ (18,421)	\$ -	0.0%	\$ (0.50)	\$ (18,421)	\$ -	0.0%
18	Energy Charge	kWh	312,134,498	\$ -	\$ -	312,134,498	\$ -	\$ -	\$ -	0.0%	\$ -	\$ -	\$ -	0.0%
19	Subtotal G2 Demand				\$ 16,655,236			\$ 17,926,804	\$ 1,271,568	7.6%		\$ 18,321,854	\$ 395,050	2.2%
20	Total G2				\$ 16,916,320			\$ 18,207,833	\$ 1,291,513	7.6%		\$ 18,609,092	\$ 401,259	2.2%
21	G1													
22	Customer Charge													
23	Secondary		1,615	\$ 162.18	\$ 261,921	1,615	\$ 162.18	\$ 261,921	\$ -	0.0%	\$ 162.18	\$ 261,921	\$ -	0.0%
24	Primary		395	\$ 86.49	\$ 34,164	395	\$ 86.49	\$ 34,164	\$ -	0.0%	\$ 86.49	\$ 34,164	\$ -	0.0%
25	Subtotal: Customer Charge				\$ 296,084			\$ 296,084	\$ -	0.0%		\$ 296,084	\$ -	0.0%
26	Demand Charge	kVA	1,000,283	\$ 7.60	\$ 7,602,153	1,000,283	\$ 8.19	\$ 8,192,320	\$ 590,167	7.8%	\$ 8.37	\$ 8,372,371	\$ 180,051	2.2%
27	Energy Charge	kWh	319,767,459	\$ -	\$ -	319,767,459	\$ -	\$ -	\$ -	0.0%	\$ -	\$ -	\$ -	0.0%
28	Transformer Ownership credit	kVA	323,647	\$ (0.50)	\$ (161,824)	323,647	\$ (0.50)	\$ (161,824)	\$ -	0.0%	\$ (0.50)	\$ (161,824)	\$ -	0.0%
29	Total G1				\$ 7,736,414			\$ 8,326,581	\$ 590,167	7.6%		\$ 8,506,632	\$ 180,051	2.2%
30	OL													
31	100W Mercury Vapor Street		13,919	\$ 13.28	\$ 184,842	13,919	\$ 13.73	\$ 191,071	\$ 6,230	3.4%	\$ 13.73	\$ 191,071	\$ -	0.0%
32	175W Mercury Vapor Street		793	\$ 15.75	\$ 12,493	793	\$ 15.73	\$ 12,481	\$ (12)	-0.1%	\$ 15.73	\$ 12,481	\$ -	0.0%
33	250W Mercury Vapor Street		771	\$ 17.85	\$ 13,754	771	\$ 17.25	\$ 13,294	\$ (459)	-3.3%	\$ 17.25	\$ 13,294	\$ -	0.0%
34	400W Mercury Vapor Street		1,298	\$ 21.25	\$ 27,584	1,298	\$ 17.25	\$ 22,397	\$ (5,187)	-18.8%	\$ 17.25	\$ 22,397	\$ -	0.0%
35	1000W Mercury Vapor Street		24	\$ 42.19	\$ 1,013	24	\$ 24.78	\$ 595	\$ (418)	-41.3%	\$ 24.78	\$ 595	\$ -	0.0%
36	250W Mercury Vapor Flood		665	\$ 19.02	\$ 12,652	665	\$ 18.25	\$ 12,143	\$ (509)	-4.0%	\$ 18.25	\$ 12,143	\$ -	0.0%
37	400W Mercury Vapor Flood		901	\$ 22.75	\$ 20,505	901	\$ 21.57	\$ 19,445	\$ (1,060)	-5.2%	\$ 21.57	\$ 19,445	\$ -	0.0%
38	1000W Mercury Vapor Flood		144	\$ 37.70	\$ 5,429	144	\$ 25.29	\$ 3,641	\$ (1,787)	-32.9%	\$ 25.29	\$ 3,641	\$ -	0.0%
39	100W Mercury Vapor Power Bracket		3,894	\$ 13.41	\$ 52,213	3,894	\$ 13.44	\$ 52,339	\$ 126	0.2%	\$ 13.44	\$ 52,339	\$ -	0.0%
40	175W Mercury Vapor Power Bracket		557	\$ 14.87	\$ 8,277	557	\$ 14.65	\$ 8,154	\$ (123)	-1.5%	\$ 14.65	\$ 8,154	\$ -	0.0%
41	50W Sodium Vapor Street		35,908	\$ 13.52	\$ 485,479	35,908	\$ 13.73	\$ 492,933	\$ 7,453	1.5%	\$ 13.73	\$ 492,933	\$ -	0.0%
42	100W Sodium Vapor Street		1,309	\$ 15.22	\$ 19,930	1,309	\$ 15.73	\$ 20,604	\$ 674	3.4%	\$ 15.73	\$ 20,604	\$ -	0.0%
43	150W Sodium Vapor Street		3,906	\$ 15.28	\$ 59,691	3,906	\$ 17.25	\$ 67,402	\$ 7,711	12.9%	\$ 17.25	\$ 67,402	\$ -	0.0%
44	250W Sodium Vapor Street		12,893	\$ 19.14	\$ 246,776	12,893	\$ 19.53	\$ 251,813	\$ 5,037	2.0%	\$ 19.53	\$ 251,813	\$ -	0.0%
45	400W Sodium Vapor Street		2,711	\$ 24.13	\$ 65,421	2,711	\$ 24.78	\$ 67,195	\$ 1,774	2.7%	\$ 24.78	\$ 67,195	\$ -	0.0%

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46	1000W Sodium Vapor Street		1,606	\$ 41.66	\$ 66,885	1,606	\$ 42.51	\$ 68,250	\$ 1,365	2.0%	\$ 42.51	\$ 68,250	\$ -	0.0%
47	150W Sodium Vapor Flood		2,690	\$ 17.61	\$ 47,379	2,690	\$ 18.25	\$ 49,114	\$ 1,734	3.7%	\$ 18.25	\$ 49,114	\$ -	0.0%
48	250W Sodium Vapor Flood		3,790	\$ 20.76	\$ 78,671	3,790	\$ 21.57	\$ 81,756	\$ 3,084	3.9%	\$ 21.57	\$ 81,756	\$ -	0.0%
49	400W Sodium Vapor Flood		4,857	\$ 23.58	\$ 114,525	4,857	\$ 25.29	\$ 122,818	\$ 8,293	7.2%	\$ 25.29	\$ 122,818	\$ -	0.0%
50	1000W Sodium Vapor Flood		2,467	\$ 42.03	\$ 103,675	2,467	\$ 42.89	\$ 105,791	\$ 2,116	2.0%	\$ 42.89	\$ 105,791	\$ -	0.0%
51	50W Sodium Vapor Power Bracket		1,387	\$ 12.51	\$ 17,355	1,387	\$ 13.44	\$ 18,649	\$ 1,294	7.5%	\$ 13.44	\$ 18,649	\$ -	0.0%
52	100W Sodium Vapor Power Bracket		904	\$ 14.04	\$ 12,691	904	\$ 14.65	\$ 13,242	\$ 551	4.3%	\$ 14.65	\$ 13,242	\$ -	0.0%
53	175W Metal Halide Street		1	\$ 19.91	\$ 20	1	\$ 17.25	\$ 17	\$ (3)	-13.3%	\$ 17.25	\$ 17	\$ -	0.0%
54	250W Metal Halide Street		0	\$ 21.65	\$ -	0	Discontinued				Discontinued			
55	400W Metal Halide Street		0	\$ 22.45	\$ -	0	Discontinued				Discontinued			
56	175W Metal Halide Flood		0	\$ 23.00	\$ -	0	Discontinued				Discontinued			
57	250W Metal Halide Flood		0	\$ 24.83	\$ -	0	Discontinued				Discontinued			
58	400W Metal Halide Flood		0	\$ 24.88	\$ -	0	Discontinued				Discontinued			
59	175W Metal Halide Power Bracket		0	\$ 18.63	\$ -	0	Discontinued				Discontinued			
60	250W Metal Halide Power Bracket		0	\$ 19.81	\$ -	0	Discontinued				Discontinued			
61	400W Metal Halide Power Bracket		0	\$ 21.17	\$ -	0	Discontinued				Discontinued			
62	1000W Metal Halide Flood (Contracts)		535	\$ 32.22	\$ 17,222	535	\$ 25.29	\$ 13,516	\$ (3,705)	-21.5%	\$ 25.29	\$ 13,516	\$ -	0.0%
63	LED													
64	42W 3780 K LED Area Light Fixture		0	\$ 13.16	\$ -	0	Discontinued				Discontinued			
65	57W 5130K LED Area Light Fixture		0	\$ 13.21	\$ -	0	Discontinued				Discontinued			
66	25W 2500K LED Cobra Head Fixture		0	\$ 13.11	\$ -	0	Discontinued				Discontinued			
67	88W 8800K LED Cobra Head Fixture		0	\$ 13.30	\$ -	0	Discontinued				Discontinued			
68	108W 10800K LED Cobra Head Fixture		0	\$ 13.36	\$ -	0	Discontinued				Discontinued			
69	193W 19300K LED Cobra Head Fixture		0	\$ 13.62	\$ -	0	Discontinued				Discontinued			
70	123W 11070K LED Flood Light Fixture		0	\$ 13.41	\$ -	0	Discontinued				Discontinued			
71	227W 20340K LED Flood Light Fixture		0	\$ 13.62	\$ -	0	Discontinued				Discontinued			
72	365W 32850K LED Flood Light Fixture		0	\$ 13.93	\$ -	0	Discontinued				Discontinued			
73	Company Paid LED Fixture													
74	STREETLIGHT LED 30W						\$ 13.73				\$ 13.73			
75	STREETLIGHT LED 50W						\$ 15.73				\$ 15.73			
76	STREETLIGHT LED 100W						\$ 17.25				\$ 17.25			
77	STREETLIGHT LED 120W						\$ 19.53				\$ 19.53			
78	STREETLIGHT LED 140W						\$ 24.78				\$ 24.78			
79	STREETLIGHT LED 260W						\$ 42.51				\$ 42.51			
80	YARDLIGHT LED 35W						\$ 13.44				\$ 13.44			
81	YARDLIGHT LED 47W						\$ 14.65				\$ 14.65			
82	FLOODLIGHT LED 70W						\$ 18.25				\$ 18.25			
83	FLOODLIGHT LED 90W						\$ 21.57				\$ 21.57			
84	FLOODLIGHT LED 110W						\$ 25.29				\$ 25.29			
85	FLOODLIGHT LED 370W						\$ 42.89				\$ 42.89			
86	Customer Paid LED Fixture													
87	STREETLIGHT LED 30W						\$ 9.71				\$ 9.71			
88	STREETLIGHT LED 50W						\$ 11.92				\$ 11.92			
89	STREETLIGHT LED 100W						\$ 12.48				\$ 12.48			
90	STREETLIGHT LED 120W						\$ 14.76				\$ 14.76			
91	STREETLIGHT LED 140W						\$ 17.83				\$ 17.83			
92	STREETLIGHT LED 260W						\$ 33.56				\$ 33.56			
93	YARDLIGHT LED 35W						\$ 7.00				\$ 7.00			
94	YARDLIGHT LED 47W						\$ 8.21				\$ 8.21			
95	FLOODLIGHT LED 70W						\$ 11.24				\$ 11.24			
96	FLOODLIGHT LED 90W						\$ 14.56				\$ 14.56			
97	FLOODLIGHT LED 110W						\$ 17.36				\$ 17.36			
98	FLOODLIGHT LED 370W						\$ 27.00				\$ 27.00			
99	Special Agreement Customer Installed LED		10,671	per contracts	\$ 140,376	10,671	per contracts	\$ 106,541	\$ (33,835)	-24.1%	per contracts	\$ 106,541	\$ -	0.0%
100	Pole Charges				\$ 8,639			\$ 8,639	\$ -	0.0%		\$ 8,639	\$ -	0.0%
101	Total OL				\$ 1,823,495			\$ 1,823,840	\$ 345	0.0%		\$ 1,823,840	\$ -	0.0%
102	Total System				\$ 58,058,225			\$ 63,939,006	\$ 5,880,781	10.1%		\$ 65,309,749	\$ 1,370,742	