

UNITIL ENERGY SYSTEMS, INC.  
 2022 Step Adjustment Rate Design

Row	Description	Units	Test Year 2020 Bill Units	Permanent Rates, June 1, 2022		June Bill Units	July to May Bill Units	June 1 Rates	July to May Revenues	Step Adjustment, July 1, 2022		Restated Step Adjustment, June 1, 2023 <sup>(1)</sup>		Step Increase Allocation	11-Month Recovery Volumetric Percent Increase	12-Month Recovery Volumetric Percent Increase
				Rate	Revenue					Rate	Revenue	Rate	Revenue			
				E	F					G	H	I	J			
1	<b>Domestic</b>															
2	Customer Charge		815,280	\$16.22	\$13,223,834	68,499	746,780	\$16.22	\$12,112,779	\$16.22	\$12,112,779	\$16.22	\$13,223,834			
3	Energy Charge	kWh	515,968,592	\$0.04333	\$22,356,919	43,074,211	472,894,381	\$0.04333	\$20,490,514	\$0.04491	\$21,237,378	\$0.04478	\$23,103,783			
4	Subtotal: Domestic				\$35,580,753				\$32,603,293		\$33,350,157		\$36,327,617			
5	Total Schedule D				\$35,580,753				\$32,603,293		\$33,350,157		\$36,327,617	\$746,864	3.64%	3.34%
6	<b>G2 - kWh</b>									2.29%		2.10%				
7	Customer Charge		4,543	\$18.38	\$83,500	378	4,165	\$18.38	\$76,553	\$18.38	\$76,553	\$18.38	\$83,500			
8	Energy Charge	kWh	438,744	\$0.02404	\$10,547	32,502	406,242	\$0.02404	\$9,766	\$0.02890	\$11,740	\$0.02854	\$12,522			
9	Subtotal G2 kWh				\$94,048				\$86,319		\$88,293		\$96,022	\$1,974	20.21%	18.72%
10	<b>G2 QR WH /SH</b>															
11	Customer Charge		3,089	\$9.73	\$30,056	258	2,831	\$9.73	\$27,546	\$9.73	\$27,546	\$9.73	\$30,056			
12	Energy Charge	kWh	4,483,579	\$0.03500	\$156,925	216,185	4,267,394	\$0.03500	\$149,359	\$0.03592	\$153,284	\$0.03588	\$160,850			
13	Subtotal G2 QR WH/SH				\$186,981				\$176,904		\$180,829		\$190,906	\$3,925	2.63%	2.50%
14	<b>G2 Demand</b>															
15	Customer Charge		126,712	\$29.19	\$3,698,724	10,629	116,083	\$29.19	\$3,388,463	\$29.19	\$3,388,463	\$29.19	\$3,698,724			
16	Demand Charge	kW	1,234,532	\$11.54	\$14,246,502	106,029	1,128,504	\$11.54	\$13,022,933	\$11.87	\$13,399,228	\$11.84	\$14,622,797			
17	Transformer Ownership credit	kW	36,843	\$(0.50)	\$(18,421)	2,344	34,499	\$(0.50)	\$(17,249)	\$(0.50)	\$(17,249)	\$(0.50)	\$(18,421)			
18	Energy Charge	kWh	312,134,498	\$-	\$-	25,493,967	286,640,531	\$-	\$-	\$-	\$-	\$-	\$-			
19	Subtotal G2 Demand				\$17,926,804				\$16,394,147		\$16,770,442		\$18,303,100	\$376,296	2.89%	2.64%
20	Total G2				\$18,207,833				\$16,657,370		\$17,039,565		\$18,590,028	\$382,195	2.90%	2.65%
21	<b>G1</b>									2.29%		2.10%				
22	Customer Charge															
23	Secondary		1,615	\$162.18	\$261,921	135	1,480	\$162.18	\$240,026	\$162.18	\$240,026	\$162.18	\$261,921			
24	Primary		395	\$86.49	\$34,164	33	362	\$86.49	\$31,309	\$86.49	\$31,309	\$86.49	\$34,164			
25	Subtotal: Customer Charge				\$296,084				\$271,336		\$271,336		\$296,084			
26	Demand Charge	kVA	1,000,283	\$8.19	\$8,192,320	86,341	913,942	\$8.19	\$7,485,184	8.38	\$7,659,965	8.36	\$8,367,101			
27	Energy Charge	kWh	319,767,459	\$-	\$-	27,500,834	292,266,625	\$-	\$-	\$-	\$-	\$-	\$-			
28	Transformer Ownership credit	kVA	323,647	\$(0.50)	\$(161,824)	27,239	296,408	\$(0.50)	\$(148,204)	\$(0.50)	\$(148,204)	\$(0.50)	\$(161,824)			
29	Total G1				\$8,326,581				\$7,608,316		\$7,783,096		\$8,501,361	\$174,781	2.34%	2.13%
30	<b>OL</b>									2.30%		2.10%				
31	100W Mercury Vapor Street		13,919	\$13.73	\$191,071			\$13.73		\$13.73		\$13.73	\$191,071			
32	175W Mercury Vapor Street		793	\$15.73	\$12,481			\$15.73		\$15.73		\$15.73	\$12,481			
33	250W Mercury Vapor Street		771	\$17.25	\$13,294			\$17.25		\$17.25		\$17.25	\$13,294			
34	400W Mercury Vapor Street		1,298	\$17.25	\$22,397			\$17.25		\$17.25		\$17.25	\$22,397			
35	1000W Mercury Vapor Street		24	\$24.78	\$595			\$24.78		\$24.78		\$24.78	\$595			
36	250W Mercury Vapor Flood		665	\$18.25	\$12,143			\$18.25		\$18.25		\$18.25	\$12,143			
37	400W Mercury Vapor Flood		901	\$21.57	\$19,445			\$21.57		\$21.57		\$21.57	\$19,445			
38	1000W Mercury Vapor Flood		144	\$25.29	\$3,641			\$25.29		\$25.29		\$25.29	\$3,641			
39	100W Mercury Vapor Power Bracket		3,894	\$13.44	\$52,339			\$13.44		\$13.44		\$13.44	\$52,339			
40	175W Mercury Vapor Power Bracket		557	\$14.65	\$8,154			\$14.65		\$14.65		\$14.65	\$8,154			
41	50W Sodium Vapor Street		35,908	\$13.73	\$492,933			\$13.73		\$13.73		\$13.73	\$492,933			
42	100W Sodium Vapor Street		1,309	\$15.73	\$20,604			\$15.73		\$15.73		\$15.73	\$20,604			
43	150W Sodium Vapor Street		3,906	\$17.25	\$67,402			\$17.25		\$17.25		\$17.25	\$67,402			
44	250W Sodium Vapor Street		12,893	\$19.53	\$251,813			\$19.53		\$19.53		\$19.53	\$251,813			
45	400W Sodium Vapor Street		2,711	\$24.78	\$67,195			\$24.78		\$24.78		\$24.78	\$67,195			
46	1000W Sodium Vapor Street		1,606	\$42.51	\$68,250			\$42.51		\$42.51		\$42.51	\$68,250			
47	150W Sodium Vapor Flood		2,690	\$18.25	\$49,114			\$18.25		\$18.25		\$18.25	\$49,114			
48	250W Sodium Vapor Flood		3,790	\$21.57	\$81,756			\$21.57		\$21.57		\$21.57	\$81,756			
49	400W Sodium Vapor Flood		4,857	\$25.29	\$122,818			\$25.29		\$25.29		\$25.29	\$122,818			
50	1000W Sodium Vapor Flood		2,467	\$42.89	\$105,791			\$42.89		\$42.89		\$42.89	\$105,791			

UNITIL ENERGY SYSTEMS, INC.  
 2022 Step Adjustment Rate Design

Row	Description	Units	Test Year 2020	Permanent Rates, June 1, 2022		June	July to May		July to May	Step Adjustment, July 1, 2022		Restated Step Adjustment, June 1, 2023 <sup>(1)</sup>		Step Increase	11-Month Recovery	12-Month Recovery
			Bill Units	Rate	Revenue	Bill Units	Bill Units	June 1 Rates	Revenues	Rate	Revenue	Rate	Revenue	Allocation	Volumetric Percent Increase	Volumetric Percent Increase
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
51	50W Sodium Vapor Power Bracket		1,387	\$ 13.44	\$ 18,649			\$ 13.44		\$ 13.44		\$ 13.44	\$ 18,649			
52	100W Sodium Vapor Power Bracket		904	\$ 14.65	\$ 13,242			\$ 14.65		\$ 14.65		\$ 14.65	\$ 13,242			
53	175W Metal Halide Street		1	\$ 17.25	\$ 17			\$ 17.25		\$ 17.25		\$ 17.25	\$ 17			
54	250W Metal Halide Street		0	Discontinued								Discontinued				
55	400W Metal Halide Street		0	Discontinued								Discontinued				
56	175W Metal Halide Flood		0	Discontinued								Discontinued				
57	250W Metal Halide Flood		0	Discontinued								Discontinued				
58	400W Metal Halide Flood		0	Discontinued								Discontinued				
59	175W Metal Halide Power Bracket		0	Discontinued								Discontinued				
60	250W Metal Halide Power Bracket		0	Discontinued								Discontinued				
61	400W Metal Halide Power Bracket		0	Discontinued								Discontinued				
62	1000W Metal Halide Flood (Contracts)		535	\$ 25.29	\$ 13,516			\$ 25.29		\$ 25.29		\$ 25.29	\$ 13,516			
63	<b>LED</b>															
64	42W 3780 K LED Area Light Fixture		0	Discontinued								Discontinued				
65	57W 5130K LED Area Light Fixture		0	Discontinued								Discontinued				
66	25W 2500K LED Cobra Head Fixture		0	Discontinued								Discontinued				
67	88W 8800K LED Cobra Head Fixture		0	Discontinued								Discontinued				
68	108W 10800K LED Cobra Head Fixture		0	Discontinued								Discontinued				
69	193W 19300K LED Cobra Head Fixture		0	Discontinued								Discontinued				
70	123W 11070K LED Flood Light Fixture		0	Discontinued								Discontinued				
71	227W 20340K LED Flood Light Fixture		0	Discontinued								Discontinued				
72	365W 32850K LED Flood Light Fixture		0	Discontinued								Discontinued				
73	<b>Company Paid LED Fixture</b>															
74	STREETLIGHT LED 30W			\$ 13.73				\$ 13.73		\$ 13.73		\$ 13.73				
75	STREETLIGHT LED 50W			\$ 15.73				\$ 15.73		\$ 15.73		\$ 15.73				
76	STREETLIGHT LED 100W			\$ 17.25				\$ 17.25		\$ 17.25		\$ 17.25				
77	STREETLIGHT LED 120W			\$ 19.53				\$ 19.53		\$ 19.53		\$ 19.53				
78	STREETLIGHT LED 140W			\$ 24.78				\$ 24.78		\$ 24.78		\$ 24.78				
79	STREETLIGHT LED 260W			\$ 42.51				\$ 42.51		\$ 42.51		\$ 42.51				
80	YARDLIGHT LED 35W			\$ 13.44				\$ 13.44		\$ 13.44		\$ 13.44				
81	YARDLIGHT LED 47W			\$ 14.65				\$ 14.65		\$ 14.65		\$ 14.65				
82	FLOODLIGHT LED 70W			\$ 18.25				\$ 18.25		\$ 18.25		\$ 18.25				
83	FLOODLIGHT LED 90W			\$ 21.57				\$ 21.57		\$ 21.57		\$ 21.57				
84	FLOODLIGHT LED 110W			\$ 25.29				\$ 25.29		\$ 25.29		\$ 25.29				
85	FLOODLIGHT LED 370W			\$ 42.89				\$ 42.89		\$ 42.89		\$ 42.89				
86	<b>Customer Paid LED Fixture</b>															
87	STREETLIGHT LED 30W			\$ 9.71				\$ 9.71		\$ 9.71		\$ 9.71				
88	STREETLIGHT LED 50W			\$ 11.92				\$ 11.92		\$ 11.92		\$ 11.92				
89	STREETLIGHT LED 100W			\$ 12.48				\$ 12.48		\$ 12.48		\$ 12.48				
90	STREETLIGHT LED 120W			\$ 14.76				\$ 14.76		\$ 14.76		\$ 14.76				
91	STREETLIGHT LED 140W			\$ 17.83				\$ 17.83		\$ 17.83		\$ 17.83				
92	STREETLIGHT LED 260W			\$ 33.56				\$ 33.56		\$ 33.56		\$ 33.56				
93	YARDLIGHT LED 35W			\$ 7.00				\$ 7.00		\$ 7.00		\$ 7.00				
94	YARDLIGHT LED 47W			\$ 8.21				\$ 8.21		\$ 8.21		\$ 8.21				
95	FLOODLIGHT LED 70W			\$ 11.24				\$ 11.24		\$ 11.24		\$ 11.24				
96	FLOODLIGHT LED 90W			\$ 14.56				\$ 14.56		\$ 14.56		\$ 14.56				
97	FLOODLIGHT LED 110W			\$ 17.36				\$ 17.36		\$ 17.36		\$ 17.36				
98	FLOODLIGHT LED 370W			\$ 27.00				\$ 27.00		\$ 27.00		\$ 27.00				
99	Special Agreement Customer Installed LED		10,671	per contracts	\$ 106,541							per contracts	\$ 106,541			
100	Pole Charges				\$ 8,639								\$ 8,639			
101	Total OL				\$ 1,823,840			\$ 1,671,292		\$ 1,671,292		\$ 1,823,840				
102	Total System				\$ 63,939,006			\$ 58,540,271		\$ 59,844,110		\$ 65,242,846	\$ 1,303,839			

**Notes:**  
 (1) June 1, 2023 Step Adjustment Rates does not incorporate the 2022 Investment Year Step Adjustment