

UNITIL ENERGY SYSTEMS, INC.

2022 Step Adjustment Rate Design

			Test Year 2020	Permanent Rates, June 1, 2022		June & July	August to May		August to May	Step Adjustment, August 1, 2022		Restated Step Adjustment, June 1, 2023 <sup>(1)</sup>		Step Increase	10-Month Recovery Volumetric Percent Increase	12-Month Recovery Volumetric Percent Increase
Row	Description	Units	Bill Units	Rate	Revenue	Bill Units	Bill Units	June 1 Rates	Revenues	Rate	Revenue	Rate	Revenue	Allocation		
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Domestic															
2	Customer Charge		815,280	\$16.22	\$ 13,223,834	137,206	678,073	\$16.22	\$ 10,998,350	\$16.22	\$ 10,998,350	\$16.22	\$ 13,223,834			
3	Energy Charge	kWh	515,968,592	\$ 0.04333	\$ 22,356,919	96,445,691	419,522,901	\$ 0.04333	\$ 18,177,927	\$ 0.04511	\$ 18,924,791	\$ 0.04478	\$ 23,103,783			
4	Subtotal: Domestic				\$ 35,580,753				\$ 29,176,277		\$ 29,923,141		\$ 36,327,617			
5	Total Schedule D				\$ 35,580,753				\$ 29,176,277		\$ 29,923,141		\$ 36,327,617	\$ 746,864	4.11%	3.34%
6	G2 - kWh									2.56%	2.10%					
7	Customer Charge		4,543	\$18.38	\$ 83,500	757	3,786	\$18.38	\$ 69,587	\$18.38	\$ 69,587	\$18.38	\$ 83,500			
8	Energy Charge	kWh	438,744	\$ 0.02404	\$ 10,547	65,568	373,176	\$0.02404	\$ 8,971	\$ 0.02933	\$ 10,945	\$ 0.02854	\$ 12,522			
9	Subtotal G2 kWh				\$ 94,048				\$ 78,558		\$ 80,532		\$ 96,022	\$ 1,974	22.01%	18.72%
10	G2 QR WH /SH															
11	Customer Charge		3,089	\$9.73	\$ 30,056	516	2,573	\$9.73	\$ 25,035	\$9.73	\$ 25,035	\$9.73	\$ 30,056			
12	Energy Charge	kWh	4,483,579	\$ 0.03500	\$ 156,925	506,182	3,977,397	\$0.03500	\$ 139,209	\$ 0.03599	\$ 143,134	\$ 0.03588	\$ 160,850			
13	Subtotal G2 QR WH/SH				\$ 186,981				\$ 164,244		\$ 168,169		\$ 190,906	\$ 3,925	2.82%	2.50%
14	G2 Demand															
15	Customer Charge		126,712	\$ 29.19	\$ 3,698,724	21,250	105,462	\$29.19	\$ 3,078,438	\$ 29.19	\$ 3,078,438	\$ 29.19	\$ 3,698,724			
16	Demand Charge	kW	1,234,532	\$ 11.54	\$ 14,246,502	220,335	1,014,197	\$11.54	\$ 11,703,837	\$ 11.91	\$ 12,080,133	\$ 11.84	\$ 14,622,797			
17	Transformer Ownership credit	kW	36,843	\$ (0.50)	\$ (18,421)	4,892	31,951	(\$0.50)	\$ (15,975)	\$ (0.50)	\$ (15,975)	\$ (0.50)	\$ (18,421)			
18	Energy Charge	kWh	312,134,498	\$ -	\$ -	55,110,107	257,024,391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
19	Subtotal G2 Demand				\$ 17,926,804				\$ 14,766,300		\$ 15,142,595		\$ 18,303,100	\$ 376,296	3.22%	2.64%
20	Total G2				\$ 18,207,833				\$ 15,009,102		\$ 15,391,296		\$ 18,590,028	\$ 382,195	3.22%	2.65%
21	G1									2.55%	2.10%					
22	Customer Charge															
23	Secondary		1,615	\$ 162.18	\$ 261,921	270	1,345	\$162.18	\$ 218,132	\$ 162.18	\$ 218,132	\$ 162.18	\$ 261,921			
24	Primary		395	\$ 86.49	\$ 34,164	66	329	\$86.49	\$ 28,455	\$ 86.49	\$ 28,455	\$ 86.49	\$ 34,164			
25	Subtotal: Customer Charge				\$ 296,084				\$ 246,587		\$ 246,587		\$ 296,084			
26	Demand Charge	kVA	1,000,283	\$ 8.19	\$ 8,192,320	174,973	825,311	\$8.19	\$ 6,759,295	8.40	\$ 6,934,076	8.36	\$ 8,367,101			
27	Energy Charge	kWh	319,767,459	\$ -	\$ -	56,887,570	262,879,889	\$ -	\$ -	-	\$ -	-	\$ -			
28	Transformer Ownership credit	kVA	323,647	\$ (0.50)	\$ (161,824)	54,848	268,800	(\$0.50)	\$ (134,400)	(0.50)	\$ (134,400)	(0.50)	\$ (161,824)			
29	Total G1				\$ 8,326,581				\$ 6,871,483		\$ 7,046,264		\$ 8,501,361	\$ 174,781	2.59%	2.13%
30	OL									2.54%	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			
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			

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Row	Description	Units	Test Year 2020		Permanent Rates, June 1, 2022		June & July	August to May		August to May	Step Adjustment, August 1, 2022		Restated Step Adjustment, June 1, 2023 <sup>(1)</sup>		Step Increase	10-Month Recovery Volumetric Percent Increase	12-Month Recovery Volumetric Percent Increase
			Bill Units		Rate	Revenue	Bill Units	Bill Units	June 1 Rates	Revenues	Rate	Revenue	Rate	Revenue	Allocation		
A	B	C	D		E	F	G	H	I	J	K	L	M	N	O	P	Q
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	LED																
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	Company Paid LED Fixture																
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	Customer Paid LED Fixture																
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				\$ 1,518,751		\$ 1,518,751		\$ 1,823,840				
102	Total System				\$ 63,939,006				\$ 52,575,613		\$ 53,879,452		\$ 65,242,846	\$ 1,303,839			

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

**Unitil Energy Systems, Inc.**  
**Decoupling**  
**Target Distribution Revenues**

<b>Distribution Revenues</b>		<b>Effective August 1, 2022</b>	
Test Year Distribution Revenues	\$	58,058,225	
Permanent Rate Increase <sup>(1)</sup>		5,880,781	
Distribution Revenues	\$	63,939,006	
Step Adjustment Increase <sup>(2)</sup>		1,303,839	
Target Distribution Revenues	\$	65,242,846	

  

<b>Less: Street lighting</b>		<b>Effective August 1, 2022</b>	
Test Year Distribution Revenues	\$	1,823,495	
Rate Increase		345	
Distribution Revenues	\$	1,823,840	
Step Adjustment Increase		-	
Target Distribution Revenues	\$	1,823,840	

  

<b>Distribution Revenues For Decoupling</b>		<b>Effective August 1, 2022</b>	
Test Year Distribution Revenues	\$	56,234,730	
Rate Increase		5,880,437	
Distribution Revenues	\$	62,115,167	
Step Adjustment Increase		1,303,839	
Target Distribution Revenues	\$	63,419,006	

**Notes:**

(1) Revenue increase reflects increase of \$5,883,395 per Order No. 26,625

(1) Revenue increase reflects increase of \$1,303,839 per Order No. 26,656

**Unitil Energy Systems, Inc.**  
**Decoupling**  
**Target Revenues by Class**

Distribution Revenues <sup>(1)</sup>	Residential	Regular General			Large General	Lighting	Total
June 1, 2022-May 31, 2023 <sup>(2)</sup>	D	G2	G2 - kWh Meter	QRWH	G1	OL <sup>(5)</sup>	
Test Year Distribution Revenues	\$ 31,581,996	\$ 16,655,236	\$ 87,374	\$ 173,710	\$ 7,736,414	\$ 1,823,495	\$ 58,058,225
Rate Increase	3,998,757	1,271,568	6,673	13,271	590,167	345	5,880,781
Distribution Revenues <sup>(3)</sup>	\$ 35,580,753	\$ 17,926,804	\$ 94,048	\$ 186,981	\$ 8,326,581	\$ 1,823,840	\$ 63,939,006
Add: Step Increase	746,864	376,296	1,974	3,925	174,781	-	1,303,839
Target Distribution Revenues <sup>(4)</sup>	\$ 36,327,617	\$ 18,303,100	\$ 96,022	\$ 190,906	\$ 8,501,361	\$ 1,823,840	\$ 65,242,846

Notes:

- (1) Excludes Other Operating Revenues  
(2) Revenue increase reflects increase of \$5,883,395 per Order No. 26,625. Difference above due to rounding  
(3) Refer to Docket DE 21-030 Compliance Filing Attachment 2  
(4) Refer Fourth Revised Schedule CGKS-7  
(5) Outdoor Lighting is excluded from Decoupling

**Unitil Energy Systems, Inc.**  
**Decoupling**  
**Target Revenue Per Customer (August 1, 2022 - May 31, 2023)**

Effective August 1, 2022-May 31, 2023	Residential	Regular General			Large General	Lighting	Total
Target Distribution Revenues	D	G2	G2 - kWh Meter	QRWH	G1	OL	
June (At June 1, 2022 Rates)	\$ 2,977,460	\$ 1,532,657	\$ 7,729	\$ 10,077	\$ 718,265	\$ 152,547	\$ 5,398,736
July (At June 1, 2022 Rates)	3,427,015	1,627,847	7,761	12,660	736,833	152,541	5,964,658
August	3,716,747	1,717,910	7,943	14,737	768,677	152,485	6,378,500
September	3,155,627	1,665,074	7,922	12,645	740,069	151,956	5,733,293
October	2,550,901	1,573,000	7,788	8,904	709,300	150,741	5,000,633
November	2,675,146	1,481,079	7,811	12,344	689,799	150,293	5,016,472
December	3,127,820	1,462,464	8,020	18,816	677,055	149,533	5,443,709
January	3,246,706	1,516,920	8,462	26,174	693,311	153,514	5,645,086
February	3,045,795	1,511,309	8,333	24,937	689,438	152,720	5,432,531
March	2,974,007	1,522,946	8,312	22,657	694,799	152,748	5,375,470
April	2,752,721	1,346,872	8,039	15,242	690,447	152,723	4,966,044
May	2,677,671	1,345,022	7,901	11,714	693,368	152,038	4,887,714
12ME May	\$ 36,327,617	\$ 18,303,100	\$ 96,022	\$ 190,906	\$ 8,501,361	\$ 1,823,840	\$ 65,242,846

Effective August 1, 2022-May 31, 2023	Residential	Regular General			Large General	Lighting	Total
Test Year Bills	D	G2	G2 - kWh Meter	QRWH	G1	OL	
August	68,629	10,663	377	256	169	1,548	81,642
September	69,456	10,707	377	257	168	1,546	82,511
October	68,246	10,628	379	257	168	1,546	81,224
November	67,875	10,548	375	255	168	1,543	80,764
December	67,567	10,520	372	252	167	1,542	80,420
January	67,012	10,479	382	262	166	1,553	79,854
February	66,947	10,469	382	260	166	1,557	79,781
March	67,134	10,470	383	260	167	1,555	79,969
April	67,032	10,472	380	258	167	1,552	79,861
May	68,175	10,506	379	256	168	1,551	81,035
10ME May	678,073	105,462	3,786	2,573	1,674	15,493	807,061

Effective August 1, 2022-May 31, 2023	Residential	Regular General			Large General
Monthly Revenue Per Customer	D	G2	G2 - kWh Meter	QRWH	G1
August	\$ 54.16	\$ 161.11	\$ 21.07	\$ 57.57	\$ 4,548.39
September	\$ 45.43	\$ 155.51	\$ 21.01	\$ 49.20	\$ 4,405.17
October	\$ 37.38	\$ 148.01	\$ 20.55	\$ 34.64	\$ 4,222.03
November	\$ 39.41	\$ 140.41	\$ 20.83	\$ 48.41	\$ 4,105.95
December	\$ 46.29	\$ 139.02	\$ 21.56	\$ 74.67	\$ 4,054.22
January	\$ 48.45	\$ 144.76	\$ 22.15	\$ 99.90	\$ 4,176.57
February	\$ 45.50	\$ 144.36	\$ 21.81	\$ 95.91	\$ 4,153.24
March	\$ 44.30	\$ 145.46	\$ 21.70	\$ 87.14	\$ 4,160.47
April	\$ 41.07	\$ 128.62	\$ 21.16	\$ 59.08	\$ 4,134.41
May	\$ 39.28	\$ 128.02	\$ 20.85	\$ 45.76	\$ 4,127.19

**Unitil Energy Systems, Inc.**  
**Monthly Revenue at August 1, 2022 Rates**

Line No.		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	<b>Residential - D</b>													
2	Test Year Consumers	67,012	66,947	67,134	67,032	68,175	68,499	68,707	68,629	69,456	68,246	67,875	67,567	815,280
3	Test Year kWh	47,877,662	43,447,320	41,788,394	36,919,734	34,845,155	43,074,211	53,371,480	57,715,834	44,979,721	32,009,393	34,896,989	45,042,699	515,968,592
4														
5	August 1, 2022 Rates													
6	Customer Charge	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	
7	Energy Charge	\$0.04511	\$0.04511	\$0.04511	\$0.04511	\$0.04511	\$0.04511	\$0.04511	\$0.04511	\$0.04511	\$0.04511	\$0.04511	\$0.04511	
8														
9	Revenue													
10	Customer Charge	\$1,086,932	\$1,085,874	\$1,088,921	\$1,087,262	\$1,105,797	\$1,111,055	\$1,114,429	\$1,113,170	\$1,126,579	\$1,106,948	\$1,100,934	\$1,095,932	\$13,223,834
11	Energy Charge	\$2,159,774	\$1,959,920	\$1,885,086	\$1,665,459	\$1,571,874	\$1,943,089	\$2,407,602	\$2,603,577	\$2,029,047	\$1,443,952	\$1,574,213	\$2,031,888	\$23,275,483
12	Total Revenue	\$3,246,706	\$3,045,795	\$2,974,007	\$2,752,721	\$2,677,671	\$3,054,144	\$3,522,031	\$3,716,747	\$3,155,627	\$2,550,901	\$2,675,146	\$3,127,820	\$36,499,316
13														
14														
15	<b>Small General Service - G2 kWh</b>													
16	Test Year Consumers	382	382	383	380	379	378	379	377	377	379	375	372	4,543
17	Test Year kWh	49,142	44,733	43,401	35,971	31,861	32,502	33,066	34,562	33,864	28,015	31,317	40,310	438,744
18														
19	August 1, 2022 Rates													
20	Customer Charge	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	
21	Energy Charge	\$0.02933	\$0.02933	\$0.02933	\$0.02933	\$0.02933	\$0.02933	\$0.02933	\$0.02933	\$0.02933	\$0.02933	\$0.02933	\$0.02933	
22														
23	Revenue													
24	Customer Charge	\$7,021	\$7,021	\$7,040	\$6,984	\$6,966	\$6,948	\$6,966	\$6,929	\$6,929	\$6,966	\$6,893	\$6,837	\$83,500
25	Energy Charge	\$1,441	\$1,312	\$1,273	\$1,055	\$934	\$953	\$970	\$1,014	\$993	\$822	\$919	\$1,182	\$12,868
26	Total Revenue	\$8,462	\$8,333	\$8,312	\$8,039	\$7,901	\$7,901	\$7,936	\$7,943	\$7,922	\$7,788	\$7,811	\$8,020	\$96,369
27														
28														
29	<b>Small General Service - G2 QR WH /SH</b>													
30	Test Year Consumers	262	260	260	258	256	258	258	256	257	257	255	252	3,089
31	Test Year kWh	656,472	622,649	559,298	353,793	256,299	216,185	289,997	340,290	281,883	177,928	274,066	454,719	4,483,579
32														
33	August 1, 2022 Rates													
34	Customer Charge	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	
35	Energy Charge	\$0.03599	\$0.03599	\$0.03599	\$0.03599	\$0.03599	\$0.03599	\$0.03599	\$0.03599	\$0.03599	\$0.03599	\$0.03599	\$0.03599	
36														
37	Revenue													
38	Customer Charge	\$2,549	\$2,530	\$2,530	\$2,510	\$2,491	\$2,510	\$2,510	\$2,491	\$2,501	\$2,501	\$2,481	\$2,452	\$30,056
39	Energy Charge	\$23,624	\$22,407	\$20,127	\$12,732	\$9,223	\$7,780	\$10,436	\$12,246	\$10,144	\$6,403	\$9,863	\$16,364	161,350
40	Total Revenue	\$26,174	\$24,937	\$22,657	\$15,242	\$11,714	\$10,290	\$12,946	\$14,737	\$12,645	\$8,904	\$12,344	\$18,816	\$191,406
41														

**Unitil Energy Systems, Inc.**  
**Monthly Revenue at August 1, 2022 Rates**

Line No.		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
42														
43	Small General Service - G2 Demand													
44	Test Year Consumers	10,479	10,469	10,470	10,472	10,506	10,629	10,621	10,663	10,707	10,628	10,548	10,520	126,712
45	Test Year kW	101,780	101,342	102,389	87,511	87,319	106,029	114,306	118,215	113,730	106,201	98,603	97,109	1,234,532
46	Test Year kWh	29,121,178	28,684,028	28,061,068	21,033,411	20,197,196	25,493,967	29,616,140	30,665,177	28,590,103	22,317,914	22,648,750	25,705,566	312,134,498
47														
48	August 1, 2022 Rates													
49	Customer Charge	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	
50	Demand Charge	\$11.91	\$11.91	\$11.91	\$11.91	\$11.91	\$11.91	\$11.91	\$11.91	\$11.91	\$11.91	\$11.91	\$11.91	
51	Energy Charge	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
52														
53	Revenue													
54	Customer Charge	\$305,882	\$305,590	\$305,617	\$305,678	\$306,670	\$310,261	\$310,025	\$311,248	\$312,535	\$310,231	\$307,908	\$307,079	\$3,698,724
55	Demand Charge	\$1,212,306	\$1,207,085	\$1,219,556	\$1,042,342	\$1,040,063	\$1,262,908	\$1,361,507	\$1,408,057	\$1,354,639	\$1,264,958	\$1,174,458	\$1,156,668	\$14,704,548
56	Energy Charge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
57	Total Revenue	\$1,518,188	\$1,512,675	\$1,525,172	\$1,348,020	\$1,346,733	\$1,573,169	\$1,671,532	\$1,719,306	\$1,667,174	\$1,575,190	\$1,482,367	\$1,463,747	\$18,403,272
58														
59														
60	Large General Service - G1													
61	Test Year Consumers - Secondary	133	133	134	134	135	135	135	136	135	135	135	135	1,615
62	Test Year Consumers - Primary	33	33	33	33	33	33	33	33	33	33	33	32	395
63	Test Year kVA	81,206	80,761	81,372	80,864	81,179	86,341	88,631	90,184	86,802	83,069	80,708	79,165	1,000,283
64	Test Year kWh	27,162,976	27,360,368	27,375,056	23,199,379	23,230,381	27,500,834	29,386,736	29,935,971	29,722,799	24,642,676	24,432,498	25,817,785	319,767,459
65														
66	August 1, 2022 Rates													
67	Customer Charge - Secondary	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	
68	Customer Charge - Primary	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	
69	Demand Charge	\$8.40	\$8.40	\$8.40	\$8.40	\$8.40	\$8.40	\$8.40	\$8.40	\$8.40	\$8.40	\$8.40	\$8.40	
70	Energy Charge	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
71														
72	Revenue													
73	Customer Charges	\$24,424	\$24,424	\$24,586	\$24,586	\$24,748	\$24,748	\$24,748	\$24,911	\$24,748	\$24,748	\$24,748	\$24,662	\$296,084
74	Demand Charge	\$682,275	\$678,535	\$683,671	\$679,404	\$682,047	\$725,421	\$744,659	\$757,708	\$729,292	\$697,930	\$678,088	\$665,126	\$8,404,156
75	Energy Charge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
76	Total Revenue	\$706,700	\$702,959	\$708,257	\$703,990	\$706,795	\$750,170	\$769,407	\$782,619	\$754,040	\$722,679	\$702,836	\$689,788	\$8,700,240
77														

Unitil Energy Systems, Inc.

Monthly Revenue at August 1, 2022 Rates

Line No.		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
78														
79	Transformer Ownership													
80	G1-kVA													
81	Test Year kVA	26,778	27,043	26,917	27,086	26,855	27,239	27,609	27,883	27,943	26,757	26,075	25,464	323,647
82														
83	August 1, 2022 Rates													
84	Credit	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	
85														
86	Revenue													
87	Tranf Ownership Credit	(\$13,389)	(\$13,522)	(\$13,458)	(\$13,543)	(\$13,427)	(\$13,620)	(\$13,804)	(\$13,941)	(\$13,971)	(\$13,378)	(\$13,037)	(\$12,732)	(\$161,824)
88	Total Ownership Credit	(\$13,389)	(\$13,522)	(\$13,458)	(\$13,543)	(\$13,427)	(\$13,620)	(\$13,804)	(\$13,941)	(\$13,971)	(\$13,378)	(\$13,037)	(\$12,732)	(\$161,824)
89														
90														
91	Transformer Ownership													
92	G2-kW													
93	Test Year kW	2,536	2,733	4,452	2,297	3,421	2,344	2,548	2,792	4,200	4,380	2,575	2,565	36,843
94														
95	August 1, 2022 Rates													
96	Credit	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	
97														
98	Revenue													
99	Tranf Ownership Credit	(\$1,268)	(\$1,366)	(\$2,226)	(\$1,148)	(\$1,711)	(\$1,172)	(\$1,274)	(\$1,396)	(\$2,100)	(\$2,190)	(\$1,288)	(\$1,283)	(\$18,421)
100	Total Ownership Credit	(\$1,268)	(\$1,366)	(\$2,226)	(\$1,148)	(\$1,711)	(\$1,172)	(\$1,274)	(\$1,396)	(\$2,100)	(\$2,190)	(\$1,288)	(\$1,283)	(\$18,421)
101														
102														
103	Summary													
104		# Custs	Test Year											
			kW	kVA	kWh	Calculated Rev.								
105	Residential - D	815,280			515,968,592	\$36,499,316								
106	Small General Service - G2 kWh	4,543			438,744	\$96,369								
107	Small General Service - G2 QR WH /SH	3,089			4,483,579	\$191,406								
108	Small General Service - G2 Demand	126,712	1,234,532		312,134,498	\$18,403,272								
109	Large General Service - G1	1,615		1,000,283	319,767,459	\$8,700,240								
110	Transformer Ownership		36,843	323,647		(\$180,245)								
111	Street Lighting	Luminaires	108,600		7,625,729	\$1,823,840								
112	Total		1,059,839	1,271,375	1,323,931	1,160,418,601	\$65,534,197							



**UES**  
**August 1, 2022 Rates**

	<u>Class</u>		<u>Distribution Charge</u>
1	<b>D</b>	Customer Charge	\$16.22
2			
3		All kWh	\$0.04511
4			
5	<b>G2</b>	Customer Charge	\$29.19
6			
7		All kW	\$11.91
8			
9		All kWh	\$0.00000
10			
11	<b>G2 - kWh meter</b>	Customer Charge	\$18.38
12			
13		All kWh	\$0.02933
14			
15	<b>G2 - Quick Recovery Water</b>	Customer Charge	\$9.73
16	<b>Heat and/or Space Heat</b>		
17		All kWh	\$0.03599
18			
19	<b>G1</b>	Customer Charge Secondary	\$162.18
20		Customer Charge Primary	\$86.49
21			
22		All kVA	\$8.40
23			
24		All kWh	\$0.00000

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on D Rate Customers							
Range Monthly kWh	Percentage Bills	Average kWh	Total Bill Using Rates Effective 8/1/22	Total Bill Using Rates Effective 8/1/22	Total Difference	% Total Difference	
0-100	7.6%	38	\$23.01	\$22.91	(\$0.10)	-0.4%	
101-200	8.2%	154	\$44.03	\$43.63	(\$0.40)	-0.9%	
201-300	10.4%	252	\$61.82	\$61.16	(\$0.66)	-1.1%	
301-400	11.2%	351	\$79.73	\$78.80	(\$0.92)	-1.2%	
401-500	10.8%	450	\$97.71	\$96.52	(\$1.18)	-1.2%	
501-750	21.6%	617	\$127.87	\$126.25	(\$1.62)	-1.3%	
750-1,000	13.0%	864	\$172.66	\$170.39	(\$2.27)	-1.3%	
1,000-1,500	11.2%	1,201	\$233.71	\$230.55	(\$3.16)	-1.4%	
1,501-2,000	3.6%	1,707	\$325.39	\$320.90	(\$4.49)	-1.4%	
2,001-3,500	2.0%	2,447	\$459.34	\$452.90	(\$6.44)	-1.4%	
3,501-5,000	0.2%	4,021	\$744.39	\$733.82	(\$10.58)	-1.4%	
5,000+	0.0%	6,632	\$1,217.11	\$1,199.67	(\$17.44)	-1.4%	
600 kWh bill		600	\$124.86	\$123.28	(\$1.58)	-1.3%	
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:				Unitil Energy Systems, Inc. Rates - Effective 8/1/2022:			
Customer Charge	\$16.22			Customer Charge	\$16.22		
	<u>All kWh</u>				<u>All kWh</u>		
Distribution Charge	\$0.04333			Distribution Charge	\$0.04511		
External Delivery Charge	\$0.02978			External Delivery Charge	\$0.02533		
Stranded Cost Charge	(\$0.00002)			Stranded Cost Charge	\$0.00002		
System Benefits Charge	\$0.00681			System Benefits Charge	\$0.00681		
Storm Recovery Adjustment Factor	\$0.00000			Storm Recovery Adjustment Factor	\$0.00000		
Fixed Default Service Charge	\$0.10117			Fixed Default Service Charge	\$0.10117		
<b>TOTAL</b>	<b>\$0.18107</b>			<b>TOTAL</b>	<b>\$0.17844</b>		

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G2 Rate Customers								
Average Load Factor	kW Range	Percentage Bills	Average Monthly kW	Average Monthly kWh	Total Bill Using Rates Effective 8/1/22	Total Bill Using Rates Effective 8/1/22	Total Difference	% Total Difference
17%	0-1.0	26.9%	1.0	125	\$56.88	\$56.70	(\$0.18)	-0.3%
28%	1.1-2	10.6%	1.5	308	\$86.54	\$85.73	(\$0.81)	-0.9%
24%	2.1-3	7.4%	2.5	438	\$115.35	\$114.35	(\$0.99)	-0.9%
24%	3.1-4	6.5%	3.5	625	\$151.47	\$150.02	(\$1.45)	-1.0%
25%	4.1-5	5.9%	4.5	821	\$188.62	\$186.69	(\$1.94)	-1.0%
24%	5.1-6	5.4%	5.5	965	\$218.75	\$216.55	(\$2.20)	-1.0%
24%	6.1-7	4.2%	6.5	1,141	\$253.20	\$250.59	(\$2.61)	-1.0%
25%	7.1-8	3.6%	7.5	1,351	\$292.21	\$289.05	(\$3.16)	-1.1%
26%	8.1-9	3.0%	8.5	1,622	\$338.99	\$335.00	(\$3.99)	-1.2%
27%	9.1-10	2.6%	9.5	1,872	\$383.15	\$378.43	(\$4.72)	-1.2%
28%	10.1-12	4.2%	11.0	2,219	\$445.10	\$439.39	(\$5.71)	-1.3%
29%	12.1-14	2.9%	13.0	2,800	\$543.99	\$536.46	(\$7.52)	-1.4%
31%	14.1-16	2.4%	15.0	3,390	\$644.01	\$634.63	(\$9.38)	-1.5%
33%	16.1-18	1.8%	17.0	4,048	\$752.92	\$741.38	(\$11.54)	-1.5%
33%	18.1-20	1.4%	19.0	4,598	\$847.59	\$834.37	(\$13.22)	-1.6%
34%	20.1-22.5	1.4%	21.3	5,309	\$966.20	\$950.67	(\$15.52)	-1.6%
35%	22.6-25	1.2%	23.7	6,017	\$1,086.70	\$1,068.96	(\$17.73)	-1.6%
37%	25.1-30	1.6%	27.4	7,335	\$1,301.22	\$1,279.05	(\$22.17)	-1.7%
40%	30.1-35	1.1%	32.5	9,376	\$1,625.30	\$1,596.00	(\$29.30)	-1.8%
40%	35.1-40	0.9%	37.5	11,085	\$1,906.34	\$1,871.38	(\$34.96)	-1.8%
40%	40.1-45	0.7%	42.5	12,531	\$2,151.86	\$2,112.36	(\$39.50)	-1.8%
43%	45.1-50	0.6%	47.5	14,838	\$2,510.28	\$2,462.47	(\$47.81)	-1.9%
42%	50.1-60	0.9%	54.8	16,705	\$2,837.52	\$2,784.18	(\$53.34)	-1.9%
43%	60.1-70	0.7%	64.8	20,391	\$3,433.48	\$3,367.60	(\$65.88)	-1.9%
44%	70.1-80	0.5%	75.2	24,069	\$4,032.55	\$3,954.31	(\$78.24)	-1.9%
44%	80.1-90	0.4%	84.7	27,000	\$4,523.94	\$4,436.29	(\$87.64)	-1.9%
41%	90.1-100	0.3%	94.4	28,369	\$4,814.16	\$4,724.07	(\$90.09)	-1.9%
45%	100.1-120	0.4%	109.2	35,732	\$5,944.69	\$5,827.64	(\$117.04)	-2.0%
45%	120.1-140	0.2%	129.0	42,752	\$7,087.23	\$6,946.56	(\$140.67)	-2.0%
43%	140.1-160	0.1%	149.1	46,963	\$7,867.45	\$7,715.65	(\$151.80)	-1.9%
40%	160.1-200	0.1%	175.7	51,679	\$8,788.63	\$8,625.91	(\$162.73)	-1.9%
26%	200.1+	0.0%	348.8	66,522	\$12,719.61	\$12,555.65	(\$163.97)	-1.3%
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:					Unitil Energy Systems, Inc. Rates - Effective 8/1/2022:			
Customer Charge			\$29.19		Customer Charge			\$29.19
			<u>All kW</u>					<u>All kW</u>
Distribution Charge			\$11.54		Distribution Charge			\$11.91
Stranded Cost Charge			<u>\$0.00</u>		Stranded Cost Charge			<u>\$0.00</u>
<b>TOTAL</b>			<b>\$11.54</b>		<b>TOTAL</b>			<b>\$11.91</b>
			<u>kWh</u>					<u>kWh</u>
Distribution Charge			\$0.00000		Distribution Charge			\$0.00000
External Delivery Charge			\$0.02978		External Delivery Charge			\$0.02533
Stranded Cost Charge			(\$0.00002)		Stranded Cost Charge			\$0.00002
System Benefits Charge			\$0.00681		System Benefits Charge			\$0.00681
Storm Recovery Adjustment Factor			\$0.00000		Storm Recovery Adjustment Factor			\$0.00000
Fixed Default Service Charge			<u>\$0.09370</u>		Fixed Default Service Charge			<u>\$0.09370</u>
<b>TOTAL</b>			<b>\$0.13027</b>		<b>TOTAL</b>			<b>\$0.12586</b>

<b>Unitil Energy Systems, Inc.</b> <b>Typical Bill Impacts as a Result of Proposed Rates</b> <b>Impact on G2 - kWh meter Rate Customers</b>							
<b>Range Monthly kWh</b>	<b>Percentage Bills</b>	<b>Average Monthly kWh</b>	<b>Total Bill Using Rates Effective 8/1/22</b>	<b>Total Bill Using Rates Effective 8/1/22</b>	<b>Total Difference</b>	<b>% Total Difference</b>	
0-50	58.8%	18	\$21.19	\$21.20	\$0.02	0.1%	
51-100	16.6%	71	\$29.34	\$29.41	\$0.06	0.2%	
101-200	13.3%	146	\$40.92	\$41.05	\$0.13	0.3%	
201-300	4.8%	243	\$55.81	\$56.02	\$0.21	0.4%	
301-400	2.3%	346	\$71.79	\$72.09	\$0.30	0.4%	
401-500	1.3%	452	\$88.14	\$88.54	\$0.40	0.5%	
501-600	1.1%	543	\$102.16	\$102.64	\$0.48	0.5%	
601-700	0.6%	639	\$116.95	\$117.52	\$0.56	0.5%	
701-800	0.3%	742	\$132.85	\$133.51	\$0.65	0.5%	
801-1,000	0.3%	890	\$155.64	\$156.43	\$0.78	0.5%	
1,000+	0.7%	2,084	\$339.94	\$341.77	\$1.83	0.5%	
<b>Unitil Energy Systems, Inc.</b> <b>Rates - Effective 6/1/2022:</b>				<b>Unitil Energy Systems, Inc.</b> <b>Rates - Effective 8/1/2022:</b>			
Customer Charge		<b>\$18.38</b>	Customer Charge		<b>\$18.38</b>		
		<b><u>All kWh</u></b>			<b><u>All kWh</u></b>		
Distribution Charge		\$0.02404	Distribution Charge		\$0.02933		
External Delivery Charge		\$0.02978	External Delivery Charge		\$0.02533		
Stranded Cost Charge		(\$0.00002)	Stranded Cost Charge		\$0.00002		
System Benefits Charge		\$0.00681	System Benefits Charge		\$0.00681		
Storm Recovery Adjustment Factor		\$0.00000	Storm Recovery Adjustment Factor		\$0.00000		
Fixed Default Service Charge		<u>\$0.09370</u>	Fixed Default Service Charge		<u>\$0.09370</u>		
<b>TOTAL</b>		<b>\$0.15431</b>	<b>TOTAL</b>		<b>\$0.15519</b>		

<b>Unitil Energy Systems, Inc.</b> <b>Typical Bill Impacts as a Result of Proposed Rates</b> <b>Impact on G2 - QRWH and SH Rate Customers</b>							
<b>Range Monthly kWh</b>	<b>Percentage Bills</b>	<b>Average kWh</b>	<b>Total Bill Using Rates Effective 8/1/22</b>	<b>Total Bill Using Rates Effective 8/1/22</b>	<b>Total Difference</b>	<b>% Total Difference</b>	
0-250	41.9%	79	\$22.81	\$22.54	(\$0.27)	-1.2%	
251-500	13.0%	365	\$70.11	\$68.86	(\$1.25)	-1.8%	
501-750	8.0%	624	\$112.89	\$110.76	(\$2.14)	-1.9%	
751-1,000	5.5%	869	\$153.27	\$150.29	(\$2.97)	-1.9%	
1,001-2,000	12.5%	1,415	\$243.62	\$238.78	(\$4.84)	-2.0%	
2,001-3,000	7.1%	2,448	\$414.28	\$405.90	(\$8.38)	-2.0%	
3,001-4,000	3.5%	3,453	\$580.36	\$568.54	(\$11.82)	-2.0%	
4,001-5,000	2.3%	4,506	\$754.47	\$739.04	(\$15.43)	-2.0%	
5,001-6,000	1.0%	5,516	\$921.29	\$902.41	(\$18.88)	-2.0%	
6,001-7,000	0.9%	6,474	\$1,079.76	\$1,057.59	(\$22.16)	-2.1%	
7,001-8,000	0.9%	7,429	\$1,237.55	\$1,212.12	(\$25.43)	-2.1%	
8,001-9,000	0.4%	8,471	\$1,409.66	\$1,380.67	(\$29.00)	-2.1%	
9,001-10,000	0.5%	9,612	\$1,598.34	\$1,565.43	(\$32.90)	-2.1%	
10,001+	2.6%	18,764	\$3,110.85	\$3,046.62	(\$64.23)	-2.1%	
<b>Unitil Energy Systems, Inc.</b> <b>Rates - Effective 6/1/2022:</b>				<b>Unitil Energy Systems, Inc.</b> <b>Rates - Effective 8/1/2022:</b>			
Customer Charge	<b>\$9.73</b>			Customer Charge	<b>\$9.73</b>		
	<b><u>All kWh</u></b>				<b><u>All kWh</u></b>		
Distribution Charge	\$0.03500			Distribution Charge	\$0.03599		
External Delivery Charge	\$0.02978			External Delivery Charge	\$0.02533		
Stranded Cost Charge	(\$0.00002)			Stranded Cost Charge	\$0.00002		
System Benefits Charge	\$0.00681			System Benefits Charge	\$0.00681		
Storm Recovery Adjustment Factor	\$0.00000			Storm Recovery Adjustment Factor	\$0.00000		
Fixed Default Service Charge	<u>\$0.09370</u>			Fixed Default Service Charge	<u>\$0.09370</u>		
<b>TOTAL</b>	<b>\$0.16527</b>			<b>TOTAL</b>	<b>\$0.16185</b>		

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G1 Rate Customers									
Customer	Load Factor	Average Monthly kVA	Average kWh	Voltage Discount Tier	Transformer Ownership Credit	Total Bill Using Rates Effective 8/1/22	Total Bill Using Rates Effective 8/1/22	Total Difference	% Total Difference
1	32.0%	291	67,950		Yes	\$12,218.87	\$11,980.84	(\$238.03)	-1.9%
2	40.1%	158	46,305	1	Yes	\$7,837.29	\$7,670.03	(\$167.25)	-2.1%
3	20.3%	489	72,292		Yes	\$14,366.56	\$14,151.25	(\$215.31)	-1.5%
4	15.5%	567	64,125			\$14,069.24	\$13,906.46	(\$162.79)	-1.2%
5	16.8%	193	23,717		Yes	\$5,075.07	\$5,011.40	(\$63.67)	-1.3%
6	33.2%	288	69,841	1	Yes	\$12,146.02	\$11,903.92	(\$242.10)	-2.0%
7	40.1%	290	84,900			\$14,803.49	\$14,490.45	(\$313.04)	-2.1%
8	24.8%	316	57,185			\$11,017.48	\$10,832.32	(\$185.16)	-1.7%
9	49.2%	186	66,885	1	Yes	\$10,960.12	\$10,709.67	(\$250.45)	-2.3%
10	29.4%	673	144,575	1	Yes	\$25,633.87	\$25,148.79	(\$485.08)	-1.9%
11	57.5%	450	189,070			\$31,168.70	\$30,430.22	(\$738.49)	-2.4%
12	44.0%	322	103,375			\$17,737.12	\$17,349.43	(\$387.69)	-2.2%
13	36.9%	451	121,500			\$21,413.58	\$20,973.30	(\$440.28)	-2.1%
14	52.9%	318	123,050			\$20,550.46	\$20,075.24	(\$475.22)	-2.3%
15	42.0%	291	89,400			\$15,467.05	\$15,134.50	(\$332.54)	-2.2%
16	23.2%	459	77,850			\$15,168.26	\$14,922.08	(\$246.18)	-1.6%
17	53.7%	716	280,803	1	Yes	\$45,248.19	\$44,183.26	(\$1,064.94)	-2.4%
18	70.0%	538	275,100			\$44,321.72	\$43,222.49	(\$1,099.22)	-2.5%
19	66.9%	1,432	699,283	2	Yes	\$108,226.48	\$105,543.32	(\$2,683.16)	-2.5%
20	26.6%	640	124,101	1	Yes	\$22,483.62	\$22,080.11	(\$403.51)	-1.8%
21	50.9%	254	94,302	1	Yes	\$15,353.86	\$14,999.00	(\$354.87)	-2.3%
22	21.6%	228	35,933	1	Yes	\$6,895.21	\$6,787.29	(\$107.92)	-1.6%
23	55.0%	495	198,707			\$32,928.66	\$32,157.18	(\$771.49)	-2.3%
24	57.4%	420	175,773			\$28,998.56	\$28,312.28	(\$686.28)	-2.4%
25	35.7%	293	76,309	1	Yes	\$13,099.88	\$12,830.87	(\$269.01)	-2.1%
26	62.3%	558	254,016	2	Yes	\$39,649.83	\$38,682.91	(\$966.92)	-2.4%
27	49.8%	692	251,233		Yes	\$41,784.57	\$40,823.12	(\$961.45)	-2.3%
28	34.1%	379	94,439	1	Yes	\$16,319.53	\$15,990.13	(\$329.40)	-2.0%
29	14.6%	274	29,187		Yes	\$6,489.21	\$6,418.59	(\$70.62)	-1.1%
30	42.8%	179	55,967			\$9,717.15	\$9,508.29	(\$208.86)	-2.1%
31	21.9%	468	74,603	1	Yes	\$14,174.88	\$13,949.51	(\$225.37)	-1.6%
32	25.4%	392	72,567			\$13,858.27	\$13,621.26	(\$237.01)	-1.7%
33	37.9%	218	60,330			\$10,663.72	\$10,443.79	(\$219.93)	-2.1%
34	54.1%	2,781	1,099,095	2	Yes	\$173,980.92	\$169,871.79	(\$4,109.13)	-2.4%
35	45.5%	277	91,980			\$15,719.74	\$15,372.71	(\$347.03)	-2.2%
36	58.4%	561	238,900			\$39,273.73	\$38,338.88	(\$934.85)	-2.4%
37	57.5%	429	180,133	2	Yes	\$28,390.75	\$27,711.91	(\$678.84)	-2.4%
38	36.9%	342	92,233			\$16,292.79	\$15,958.52	(\$334.27)	-2.1%
39	22.2%	382	62,000		Yes	\$12,057.73	\$11,865.18	(\$192.55)	-1.6%
40	32.6%	227	53,960			\$9,814.84	\$9,624.86	(\$189.99)	-1.9%
41	69.3%	2,259	1,143,565	2	Yes	\$176,312.66	\$171,907.73	(\$4,404.93)	-2.5%
42	61.5%	1,286	577,482	2	Yes	\$90,154.95	\$87,960.19	(\$2,194.76)	-2.4%
43	62.8%	2,917	1,336,786	2		\$209,547.18	\$204,454.46	(\$5,092.72)	-2.4%
44	36.1%	498	131,232	1	Yes	\$22,423.95	\$21,960.16	(\$463.78)	-2.1%
45	25.4%	431	79,983			\$15,248.84	\$14,987.37	(\$261.47)	-1.7%
46	53.6%	1,072	419,655	2	Yes	\$66,558.35	\$64,991.49	(\$1,566.85)	-2.4%
47	65.3%	644	307,000			\$49,795.99	\$48,578.45	(\$1,217.54)	-2.4%
48	51.5%	159	59,867			\$10,116.69	\$9,886.39	(\$230.30)	-2.3%
49	25.0%	133	24,333			\$4,769.80	\$4,690.71	(\$79.09)	-1.7%
50	22.6%	246	40,675			\$8,057.05	\$7,929.84	(\$127.21)	-1.6%
51	22.0%	397	63,750			\$12,621.39	\$12,424.22	(\$197.17)	-1.6%
52	16.5%	372	44,875			\$9,691.25	\$9,572.08	(\$119.17)	-1.2%
53	57.7%	762	320,917			\$52,776.65	\$51,522.81	(\$1,253.84)	-2.4%
54	40.5%	183	54,200			\$9,495.03	\$9,294.82	(\$200.21)	-2.1%
55	53.2%	695	270,150			\$44,893.09	\$43,848.97	(\$1,044.12)	-2.3%
56	48.6%	199	70,633			\$11,999.33	\$11,730.00	(\$269.33)	-2.2%
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:									
Customer Charge - Secondary			\$162.18	Customer Charge - Secondary			\$162.18		
Customer Charge - Primary			\$86.49	Customer Charge - Primary			\$86.49		
			All kVA				All kVA		
Distribution Charge			\$8.19	Distribution Charge			\$8.40		
Stranded Cost Charge			\$0.00	Stranded Cost Charge			\$0.00		
TOTAL			\$8.19	TOTAL			\$8.40		
			All kWh				All kWh		
Distribution Charge			\$0.00000	Distribution Charge			\$0.00000		
External Delivery Charge			\$0.02978	External Delivery Charge			\$0.02533		
Stranded Cost Charge			(\$0.00002)	Stranded Cost Charge			\$0.00002		
System Benefits Charge			\$0.00681	System Benefits Charge			\$0.00681		
Storm Recovery Adjustment Factor			\$0.00000	Storm Recovery Adjustment Factor			\$0.00000		
June 22 Default Service Charge			\$0.10793	June 22 Default Service Charge			\$0.10793		
TOTAL			\$0.14450	TOTAL			\$0.14009		
High Voltage Discount 1 for 4-13.8 kV			2.0%	High Voltage Discount 1 for 4-13.8 kV			2.0%		
High Voltage Discount 2 for 34.5 kV			3.5%	High Voltage Discount 2 for 34.5 kV			3.5%		
Transformer Ownership Credit \$/kVA			\$0.50	Transformer Ownership Credit \$/kVA			\$0.50		

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G1 Rate Customers									
Customer	Load Factor	Average Monthly kVA	Average kWh	Voltage Discount Tier	Transformer Ownership Credit	Total Bill Using Rates Effective 8/1/22	Total Bill Using Rates Effective 8/1/22	Total Difference	% Total Difference
57	48.2%	243	85,567			\$14,517.83	\$14,191.53	(\$326.29)	-2.2%
58	51.0%	315	117,293			\$19,692.76	\$19,241.69	(\$451.07)	-2.3%
59	33.1%	333	80,643			\$14,545.35	\$14,259.71	(\$285.63)	-2.0%
60	31.4%	389	89,200			\$16,240.36	\$15,928.75	(\$311.61)	-1.9%
61	45.3%	325	107,333			\$18,331.75	\$17,926.62	(\$405.14)	-2.2%
62	23.2%	1,393	236,250		Yes	\$45,008.63	\$44,259.19	(\$749.44)	-1.7%
63	21.5%	482	75,480			\$15,014.71	\$14,783.01	(\$231.70)	-1.5%
64	41.2%	297	89,533			\$15,535.18	\$15,202.78	(\$332.40)	-2.1%
65	47.8%	259	90,500			\$15,362.14	\$15,017.47	(\$344.68)	-2.2%
66	41.3%	154	46,583			\$8,157.80	\$7,984.79	(\$173.01)	-2.1%
67	7.5%	373	20,342			\$6,154.31	\$6,142.87	(\$11.43)	-0.2%
68	44.8%	355	115,887			\$19,811.98	\$19,375.38	(\$436.59)	-2.2%
69	55.6%	520	211,000			\$34,906.93	\$34,085.53	(\$821.40)	-2.4%
70	32.0%	372	86,900			\$15,767.34	\$15,462.27	(\$305.07)	-1.9%
71	51.4%	280	105,200			\$17,660.12	\$17,255.08	(\$405.05)	-2.3%
72	48.5%	465	164,567			\$27,751.16	\$27,123.09	(\$628.07)	-2.3%
73	54.1%	409	161,410			\$26,833.79	\$26,207.82	(\$625.98)	-2.3%
74	38.3%	166	46,470			\$8,239.23	\$8,069.22	(\$170.01)	-2.1%
75	76.1%	476	264,430			\$42,273.21	\$41,207.10	(\$1,066.11)	-2.5%
76	55.2%	354	142,383			\$23,631.74	\$23,078.06	(\$553.68)	-2.3%
77	49.6%	252	91,333			\$15,427.41	\$15,077.65	(\$349.77)	-2.3%
78	33.0%	212	51,093			\$9,281.38	\$9,100.58	(\$180.80)	-1.9%
79	51.3%	328	122,880			\$20,605.62	\$20,132.62	(\$473.00)	-2.3%
80	58.8%	678	291,100			\$47,780.86	\$46,639.54	(\$1,141.32)	-2.4%
81	12.5%	681	62,090			\$14,709.77	\$14,578.92	(\$130.85)	-0.9%
82	33.0%	192	46,390			\$8,441.91	\$8,277.75	(\$164.16)	-1.9%
83	52.5%	249	95,583			\$16,015.33	\$15,646.15	(\$369.18)	-2.3%
84	12.6%	838	76,750			\$18,111.95	\$17,949.37	(\$162.59)	-0.9%
85	61.7%	257	115,933			\$19,022.65	\$18,565.44	(\$457.21)	-2.4%
86	17.5%	633	80,900			\$17,038.00	\$16,814.20	(\$223.80)	-1.3%
87	4.7%	180	6,192	2		\$2,369.37	\$2,379.42	\$10.04	0.4%
88	21.1%	241	37,150			\$7,504.49	\$7,391.27	(\$113.21)	-1.5%
89	60.6%	489	216,067			\$35,384.83	\$34,534.57	(\$850.26)	-2.4%
90	56.2%	1,044	428,000			\$70,555.26	\$68,886.94	(\$1,668.32)	-2.4%
91	26.8%	360	70,500			\$13,297.83	\$13,062.53	(\$235.31)	-1.8%
92	17.5%	321	41,007			\$8,720.18	\$8,606.84	(\$113.34)	-1.3%
93	39.4%	311	89,520			\$15,646.62	\$15,317.19	(\$329.43)	-2.1%
94	67.4%	501	246,680			\$39,911.24	\$38,928.61	(\$982.63)	-2.5%
95	25.8%	222	41,900			\$8,036.75	\$7,898.64	(\$138.11)	-1.7%
96	64.7%	354	167,040			\$27,195.17	\$26,532.77	(\$662.40)	-2.4%
97	42.0%	297	91,080			\$15,754.71	\$15,415.40	(\$339.32)	-2.2%
98	20.0%	230	33,520			\$6,886.86	\$6,787.27	(\$99.59)	-1.4%
99	11.0%	250	20,064			\$5,105.79	\$5,069.73	(\$36.06)	-0.7%
100	21.8%	228	36,187			\$7,257.59	\$7,145.86	(\$111.73)	-1.5%
101	47.6%	476	165,320			\$27,951.00	\$27,321.94	(\$629.06)	-2.3%
102	55.4%	356	143,928			\$23,874.19	\$23,314.19	(\$559.99)	-2.3%
103	37.7%	381	104,773	2	Yes	\$17,520.47	\$17,151.71	(\$368.75)	-2.1%
104	34.6%	376	94,929	1	Yes	\$16,359.90	\$16,026.93	(\$332.97)	-2.0%
105	70.3%	321	164,820			\$26,608.96	\$25,949.54	(\$659.41)	-2.5%
106	33.7%	258	63,456			\$11,441.25	\$11,215.50	(\$225.75)	-2.0%
107	19.7%	271	39,008			\$8,017.30	\$7,902.16	(\$115.14)	-1.4%
108	54.3%	257	102,032			\$17,014.52	\$16,618.63	(\$395.89)	-2.3%
109	42.3%	239	73,700			\$12,767.26	\$12,492.38	(\$274.88)	-2.2%
110	48.6%	770	273,155	2	Yes	\$43,889.39	\$42,882.96	(\$1,006.43)	-2.3%
111	37.3%	295	80,320			\$14,184.06	\$13,891.79	(\$292.27)	-2.1%
112	40.2%	368	107,900			\$18,766.56	\$18,367.97	(\$398.59)	-2.1%
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:						Unitil Energy Systems, Inc. Rates - Effective 8/1/2022:			
Customer Charge - Secondary			\$162.18	Customer Charge - Secondary			\$162.18		
Customer Charge - Primary			\$86.49	Customer Charge - Primary			\$86.49		
			All kVA				All kVA		
Distribution Charge			\$8.19	Distribution Charge			\$8.40		
Stranded Cost Charge			\$0.00	Stranded Cost Charge			\$0.00		
TOTAL			\$8.19	TOTAL			\$8.40		
			All kWh				All kWh		
Distribution Charge			\$0.00000	Distribution Charge			\$0.00000		
External Delivery Charge			\$0.02978	External Delivery Charge			\$0.02533		
Stranded Cost Charge			(\$0.00002)	Stranded Cost Charge			\$0.00002		
System Benefits Charge			\$0.00681	System Benefits Charge			\$0.00681		
Storm Recovery Adjustment Factor			\$0.00000	Storm Recovery Adjustment Factor			\$0.00000		
June 22 Default Service Charge			\$0.10793	June 22 Default Service Charge			\$0.10793		
TOTAL			\$0.14450	TOTAL			\$0.14009		
High Voltage Discount 1 for 4-13.8 kV			2.0%	High Voltage Discount 1 for 4-13.8 kV			2.0%		
High Voltage Discount 2 for 34.5 kV			3.5%	High Voltage Discount 2 for 34.5 kV			3.5%		
Transformer Ownership Credit \$/kVA			\$0.50	Transformer Ownership Credit \$/kVA			\$0.50		

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G1 Rate Customers									
Customer	Load Factor	Average Monthly kVA	Average kWh	Voltage Discount Tier	Transformer Ownership Credit	Total Bill Using Rates Effective 8/1/22	Total Bill Using Rates Effective 8/1/22	Total Difference	% Total Difference
113	51.3%	264	99,073	2	Yes	\$15,862.92	\$15,494.86	(\$368.06)	-2.3%
114	30.6%	339	75,583			\$13,857.17	\$13,594.96	(\$262.21)	-1.9%
115	61.0%	677	301,440			\$49,265.09	\$48,077.92	(\$1,187.18)	-2.4%
116	74.4%	405	219,800			\$35,236.89	\$34,352.53	(\$884.35)	-2.5%
117	61.5%	217	97,536			\$16,035.34	\$15,650.83	(\$384.51)	-2.4%
118	28.4%	352	73,100			\$13,610.47	\$13,362.08	(\$248.39)	-1.8%
119	48.2%	453	159,340			\$26,898.52	\$26,291.00	(\$607.52)	-2.3%
120	43.9%	346	110,840			\$19,013.94	\$18,597.84	(\$416.10)	-2.2%
121	51.2%	684	255,424	2		\$41,109.48	\$40,161.11	(\$948.38)	-2.3%
122	40.9%	249	74,387			\$12,952.62	\$12,676.92	(\$275.70)	-2.1%
123	20.1%	236	34,573			\$7,087.66	\$6,984.67	(\$102.99)	-1.5%
124	9.8%	606	43,345			\$10,626.44	\$10,564.75	(\$61.69)	-0.6%
125	18.9%	312	43,030	2	Yes	\$8,932.70	\$8,808.39	(\$124.31)	-1.4%
126	60.0%	639	279,650			\$45,801.74	\$44,702.59	(\$1,099.15)	-2.4%
127	52.4%	2,025	774,292	2	Yes	\$123,081.34	\$120,196.54	(\$2,884.79)	-2.3%
128	61.2%	2,222	991,779			\$154,869.56	\$151,099.13	(\$3,770.43)	-2.4%
129	42.8%	137	42,708			\$7,453.18	\$7,293.54	(\$159.64)	-2.1%
130	48.5%	206	72,800			\$12,365.92	\$12,088.05	(\$277.87)	-2.2%
131	27.1%	308	60,960			\$11,492.26	\$11,288.08	(\$204.18)	-1.8%
132	32.2%	174	41,024			\$7,518.55	\$7,374.26	(\$144.29)	-1.9%
133	48.5%	1,145	405,120			\$68,082.50	\$66,536.45	(\$1,546.05)	-2.3%
134	16.0%	249	29,000			\$6,389.53	\$6,313.87	(\$75.66)	-1.2%
135	48.6%	431	152,940			\$25,794.56	\$25,210.67	(\$583.89)	-2.3%
136	31.7%	483	111,872			\$20,285.84	\$19,893.98	(\$391.86)	-1.9%
137	44.2%	242	78,120			\$13,434.62	\$13,140.98	(\$293.63)	-2.2%
138	61.1%	543	242,600			\$39,668.94	\$38,713.20	(\$955.74)	-2.4%
139	48.8%	941	335,067			\$56,287.74	\$55,007.75	(\$1,279.99)	-2.3%
140	80.1%	152	89,145			\$14,292.40	\$13,931.29	(\$361.11)	-2.5%
141	54.2%	427	168,907			\$28,065.09	\$27,409.85	(\$655.24)	-2.3%
142	36.7%	319	85,493			\$15,127.21	\$14,817.14	(\$310.07)	-2.0%
143	26.8%	637	124,693			\$23,399.17	\$22,983.09	(\$416.08)	-1.8%
144	55.0%	424	170,000			\$28,197.56	\$27,536.84	(\$660.72)	-2.3%
145	45.1%	355	116,783			\$19,944.75	\$19,504.29	(\$440.47)	-2.2%
146	25.7%	401	75,167			\$14,310.14	\$14,062.92	(\$247.22)	-1.7%
147	58.8%	477	204,500			\$33,615.85	\$32,814.10	(\$801.76)	-2.4%
148	27.0%	849	167,400			\$31,304.24	\$30,744.29	(\$559.96)	-1.8%
149	70.7%	1,008	519,800			\$83,525.52	\$81,444.80	(\$2,080.72)	-2.5%
150	55.6%	457	185,400			\$30,693.81	\$29,972.13	(\$721.68)	-2.4%
151	42.1%	144	44,240			\$7,733.74	\$7,568.87	(\$164.87)	-2.1%
152	6.3%	310	14,317			\$4,773.25	\$4,775.30	\$2.05	0.0%
153	61.1%	885	394,833			\$64,467.77	\$62,912.51	(\$1,555.26)	-2.4%
154	51.7%	511	192,725			\$32,193.30	\$31,450.63	(\$742.68)	-2.3%
155	45.8%	562	187,767			\$31,895.47	\$31,185.39	(\$710.08)	-2.2%
156	26.2%	318	60,750			\$11,541.49	\$11,340.28	(\$201.22)	-1.7%
157	48.6%	610	216,075			\$36,376.96	\$35,552.07	(\$824.89)	-2.3%
158	10.9%	492	39,030			\$9,832.45	\$9,763.67	(\$68.78)	-0.7%
159	68.6%	1,016	508,947	2	Yes	\$78,598.60	\$76,638.69	(\$1,959.91)	-2.5%
160	36.0%	78	20,350			\$3,737.55	\$3,664.08	(\$73.47)	-2.0%
161	3.4%	3,066	75,994	2		\$34,914.47	\$35,212.38	\$297.91	0.9%
162	3.9%	255	7,292			\$3,304.28	\$3,325.67	\$21.39	0.6%
163	58.2%	225	95,529			\$15,808.11	\$15,434.06	(\$374.05)	-2.4%
164	58.8%	295	126,875			\$20,915.35	\$20,417.88	(\$497.47)	-2.4%
165	42.2%	181	55,800	1	Yes	\$9,707.12	\$9,499.04	(\$208.08)	-2.1%
166	2.3%	745	12,588			\$7,480.57	\$7,579.40	\$98.83	1.3%
167	34.5%	381	95,900			\$17,138.69	\$16,795.74	(\$342.95)	-2.0%
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:						Unitil Energy Systems, Inc. Rates - Effective 8/1/2022:			
Customer Charge - Secondary			\$162.18	Customer Charge - Secondary			\$162.18		
Customer Charge - Primary			\$86.49	Customer Charge - Primary			\$86.49		
			All kVA				All kVA		
Distribution Charge			\$8.19	Distribution Charge			\$8.40		
Stranded Cost Charge			\$0.00	Stranded Cost Charge			\$0.00		
TOTAL			\$8.19	TOTAL			\$8.40		
			All kWh				All kWh		
Distribution Charge			\$0.00000	Distribution Charge			\$0.00000		
External Delivery Charge			\$0.02978	External Delivery Charge			\$0.02533		
Stranded Cost Charge			(\$0.00002)	Stranded Cost Charge			\$0.00002		
System Benefits Charge			\$0.00681	System Benefits Charge			\$0.00681		
Storm Recovery Adjustment Factor			\$0.00000	Storm Recovery Adjustment Factor			\$0.00000		
June 22 Default Service Charge			\$0.10793	June 22 Default Service Charge			\$0.10793		
TOTAL			\$0.14450	TOTAL			\$0.14009		
High Voltage Discount 1 for 4-13.8 kV			2.0%	High Voltage Discount 1 for 4-13.8 kV			2.0%		
High Voltage Discount 2 for 34.5 kV			3.5%	High Voltage Discount 2 for 34.5 kV			3.5%		
Transformer Ownership Credit \$/kVA			\$0.50	Transformer Ownership Credit \$/kVA			\$0.50		



Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on Tariffed OL Rate Customers									
	Nominal Watts	Lumens	Type	Current Average Monthly kWh	Percentage of Lights	Total Bill Using Rates Effective 8/1/22	Total Bill Using Rates Effective 8/1/22	Total Difference	% Total Difference
<u>Mercury Vapor:</u>									
1	100	3,500	ST	43	14.2%	\$19.33	\$19.14	(\$0.19)	-1.0%
2	175	7,000	ST	71	0.8%	\$24.98	\$24.67	(\$0.31)	-1.3%
3	250	11,000	ST	100	0.8%	\$30.28	\$29.84	(\$0.44)	-1.5%
4	400	20,000	ST	157	1.3%	\$37.70	\$37.01	(\$0.69)	-1.8%
5	1,000	60,000	ST	372	0.0%	\$73.24	\$71.60	(\$1.64)	-2.2%
6	250	11,000	FL	100	0.7%	\$31.28	\$30.84	(\$0.44)	-1.4%
7	400	20,000	FL	157	0.9%	\$42.02	\$41.33	(\$0.69)	-1.6%
8	1,000	60,000	FL	380	0.1%	\$74.79	\$73.12	(\$1.68)	-2.2%
9	100	3,500	PB	48	4.0%	\$19.69	\$19.48	(\$0.21)	-1.1%
10	175	7000	PB	71	0.6%	\$23.90	\$23.59	(\$0.31)	-1.3%
<u>High Pressure Sodium:</u>									
11	50	4,000	ST	23	36.7%	\$16.73	\$16.62	(\$0.10)	-0.6%
12	100	9,500	ST	48	1.3%	\$21.98	\$21.77	(\$0.21)	-1.0%
13	150	16,000	ST	65	4.0%	\$25.72	\$25.43	(\$0.29)	-1.1%
14	250	30,000	ST	102	13.2%	\$32.82	\$32.37	(\$0.45)	-1.4%
15	400	50,000	ST	161	2.8%	\$45.75	\$45.04	(\$0.71)	-1.6%
16	1,000	140,000	ST	380	1.6%	\$92.01	\$90.34	(\$1.68)	-1.8%
17	150	16,000	FL	65	2.7%	\$26.72	\$26.43	(\$0.29)	-1.1%
18	250	30,000	FL	102	3.9%	\$34.86	\$34.41	(\$0.45)	-1.3%
19	400	50,000	FL	161	5.0%	\$46.26	\$45.55	(\$0.71)	-1.5%
20	1,000	140,000	FL	380	2.5%	\$92.39	\$90.72	(\$1.68)	-1.8%
21	50	4,000	PB	23	1.4%	\$16.44	\$16.33	(\$0.10)	-0.6%
22	100	9,500	PB	48	0.9%	\$20.90	\$20.69	(\$0.21)	-1.0%
<u>Metal Halide</u>									
23	175	8,800	ST	74	0.0%	\$26.89	\$26.56	(\$0.33)	-1.2%
24	1,000	86,000	FL	374	0.5%	\$74.01	\$72.36	(\$1.65)	-2.2%
<u>LED</u>									
25	35	3,000	AL	12	0.0%	\$15.00	\$14.95	(\$0.05)	-0.4%
26	47	4,000	AL	16	0.0%	\$16.73	\$16.66	(\$0.07)	-0.4%
27	30	3,300	ST	10	0.0%	\$15.03	\$14.99	(\$0.04)	-0.3%
28	50	5,000	ST	17	0.0%	\$17.94	\$17.87	(\$0.07)	-0.4%
29	100	11,000	ST	35	0.0%	\$21.81	\$21.66	(\$0.15)	-0.7%
30	120	18,000	ST	42	0.0%	\$25.00	\$24.82	(\$0.19)	-0.7%
31	140	18,000	ST	48	0.0%	\$31.03	\$30.82	(\$0.21)	-0.7%
32	260	31,000	ST	90	0.0%	\$54.23	\$53.84	(\$0.40)	-0.7%
33	70	10,000	FL	24	0.0%	\$21.38	\$21.27	(\$0.11)	-0.5%
34	90	10,000	FL	31	0.0%	\$25.61	\$25.47	(\$0.14)	-0.5%
35	110	15,000	FL	38	0.0%	\$30.24	\$30.07	(\$0.17)	-0.6%
36	370	46,000	FL	128	0.0%	\$59.56	\$59.00	(\$0.56)	-0.9%

<b>Unitil Energy Systems, Inc.</b> <b>Rates - Effective 6/1/2022:</b>				<b>Unitil Energy Systems, Inc.</b> <b>Rates - Effective 8/1/2022:</b>			
Customer Charge		\$0.00		Customer Charge		\$0.00	
		<u>All kWh</u>				<u>All kWh</u>	
Distribution Charge		\$0.00000		Distribution Charge		\$0.00000	
External Delivery Charge		\$0.02978		External Delivery Charge		\$0.02533	
Stranded Cost Charge		(\$0.00002)		Stranded Cost Charge		\$0.00002	
System Benefits Charge		\$0.00681		System Benefits Charge		\$0.00681	
Storm Recovery Adjustment Factor		\$0.00000		Storm Recovery Adjustment Factor		\$0.00000	
Fixed Default Service Charge		<u>\$0.09370</u>		Fixed Default Service Charge		<u>\$0.09370</u>	
<b>TOTAL</b>		<b>\$0.13027</b>		<b>TOTAL</b>		<b>\$0.12586</b>	

<b>Luminaire Charges:</b>										<b>Luminaire Charges:</b>													
	<u>Mercury Vapor Rate/Mo.</u>			<u>Sodium Vapor Rate/Mo.</u>			<u>Metal Halide Rate/Mo.</u>			<u>LED Rate/Mo.</u>			<u>Mercury Vapor Rate/Mo.</u>			<u>Sodium Vapor Rate/Mo.</u>			<u>Metal Halide Rate/Mo.</u>			<u>LED Rate/Mo.</u>	
1	\$13.73	11	\$13.73	23	\$17.25	25	\$13.44	25	\$13.44	1	\$13.73	11	\$13.73	23	\$17.25	25	\$13.44	25	\$13.44				
2	\$15.73	12	\$15.73	24	\$25.29	26	\$14.65	26	\$14.65	2	\$15.73	12	\$15.73	24	\$25.29	26	\$14.65	26	\$14.65				
3	\$17.25	13	\$17.25			27	\$13.73	27	\$13.73	3	\$17.25	13	\$17.25			27	\$13.73	27	\$13.73				
4	\$17.25	14	\$19.53			28	\$15.73	28	\$15.73	4	\$17.25	14	\$19.53			28	\$15.73	28	\$15.73				
5	\$24.78	15	\$24.78			29	\$17.25	29	\$17.25	5	\$24.78	15	\$24.78			29	\$17.25	29	\$17.25				
6	\$18.25	16	\$42.51			30	\$19.53	30	\$19.53	6	\$18.25	16	\$42.51			30	\$19.53	30	\$19.53				
7	\$21.57	17	\$18.25			31	\$24.78	31	\$24.78	7	\$21.57	17	\$18.25			31	\$24.78	31	\$24.78				
8	\$25.29	18	\$21.57			32	\$42.51	32	\$42.51	8	\$25.29	18	\$21.57			32	\$42.51	32	\$42.51				
9	\$13.44	19	\$25.29			33	\$18.25	33	\$18.25	9	\$13.44	19	\$25.29			33	\$18.25	33	\$18.25				
10	\$14.65	20	\$42.89			34	\$21.57	34	\$21.57	10	\$14.65	20	\$42.89			34	\$21.57	34	\$21.57				
		21	\$13.44			35	\$25.29	35	\$25.29			21	\$13.44			35	\$25.29	35	\$25.29				
		22	\$14.65			36	\$42.89	36	\$42.89			22	\$14.65			36	\$42.89	36	\$42.89				

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on Tariffed Customer Supplied LED Rate Customers									
	Nominal Watts	Lumens	Type	Current Average Monthly kWh	Percentage of Lights	Total Bill Using Rates Effective 8/1/22	Total Bill Using Rates Effective 8/1/22	Total Difference	% Total Difference
	<u>CS LED</u>								
1	35	3,000	AL	12	0.0%	\$8.56	\$8.51	(\$0.05)	-0.6%
2	47	4,000	AL	16	0.0%	\$10.29	\$10.22	(\$0.07)	-0.7%
3	30	3,300	ST	10	0.0%	\$11.01	\$10.97	(\$0.04)	-0.4%
4	50	5,000	ST	17	0.0%	\$14.13	\$14.06	(\$0.07)	-0.5%
5	100	11,000	ST	35	0.0%	\$17.04	\$16.89	(\$0.15)	-0.9%
6	120	18,000	ST	42	0.0%	\$20.23	\$20.05	(\$0.19)	-0.9%
7	140	18,000	ST	48	0.0%	\$24.08	\$23.87	(\$0.21)	-0.9%
8	260	31,000	ST	90	0.0%	\$45.28	\$44.89	(\$0.40)	-0.9%
9	70	10,000	FL	24	0.0%	\$14.37	\$14.26	(\$0.11)	-0.7%
10	90	10,000	FL	31	0.0%	\$18.60	\$18.46	(\$0.14)	-0.7%
11	110	15,000	FL	38	0.0%	\$22.31	\$22.14	(\$0.17)	-0.8%
12	370	46,000	FL	128	0.0%	\$43.67	\$43.11	(\$0.56)	-1.3%
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:						Unitil Energy Systems, Inc. Rates - Effective 8/1/2022:			
Customer Charge		\$0.00				Customer Charge		\$0.00	
		<u>All kWh</u>						<u>All kWh</u>	
Distribution Charge		\$0.00000				Distribution Charge		\$0.00000	
External Delivery Charge		\$0.02978				External Delivery Charge		\$0.02533	
Stranded Cost Charge		(\$0.00002)				Stranded Cost Charge		\$0.00002	
System Benefits Charge		\$0.00681				System Benefits Charge		\$0.00681	
Storm Recovery Adjustment Factor		\$0.00000				Storm Recovery Adjustment Factor		\$0.00000	
Fixed Default Service Charge		<u>\$0.09370</u>				Fixed Default Service Charge		<u>\$0.09370</u>	
TOTAL		\$0.13027				TOTAL		\$0.12586	
<u>Luminaire Charges:</u>						<u>Luminaire Charges:</u>			
<u>CS LED Rate/Mo.</u>						<u>CS LED Rate/Mo.</u>			
1	\$7.00					1	\$7.00		
2	\$8.21					2	\$8.21		
3	\$9.71					3	\$9.71		
4	\$11.92					4	\$11.92		
5	\$12.48					5	\$12.48		
6	\$14.76					6	\$14.76		
7	\$17.83					7	\$17.83		
8	\$33.56					8	\$33.56		
9	\$11.24					9	\$11.24		
10	\$14.56					10	\$14.56		
11	\$17.36					11	\$17.36		
12	\$27.00					12	\$27.00		