

Unitil Energy Systems, Inc.
Typical Bill Impacts as a Result of Proposed Rates
Impact on D Rate Customers

<u>Range Monthly kWh</u>	<u>Percentage Bills</u>	<u>Average kWh</u>	<u>Total Bill Using Rates Effective 4/1/22</u>	<u>Total Bill Using Rates Proposed 6/1/22</u>	<u>Total Difference</u>	<u>% Total Difference</u>
0-100	7.6%	38	\$25.85	\$25.91	\$0.06	0.2%
101-200	8.2%	154	\$55.67	\$55.91	\$0.24	0.4%
201-300	10.4%	252	\$80.90	\$81.29	\$0.39	0.5%
301-400	11.2%	351	\$106.30	\$106.84	\$0.54	0.5%
401-500	10.8%	450	\$131.81	\$132.50	\$0.69	0.5%
501-750	21.6%	617	\$174.59	\$175.54	\$0.94	0.5%
750-1,000	13.0%	864	\$238.14	\$239.46	\$1.32	0.6%
1,000-1,500	11.2%	1,201	\$324.73	\$326.57	\$1.84	0.6%
1,501-2,000	3.6%	1,707	\$454.77	\$457.39	\$2.61	0.6%
2,001-3,500	2.0%	2,447	\$644.79	\$648.54	\$3.74	0.6%
3,501-5,000	0.2%	4,021	\$1,049.14	\$1,055.29	\$6.15	0.6%
5,000+	0.0%	6,632	\$1,719.69	\$1,729.84	\$10.15	0.6%
600 kWh bill		600	\$170.33	\$171.25	\$0.92	0.5%

Unitil Energy Systems, Inc.
Rates - Effective 4/1/2022:

Customer Charge	\$16.22
	<u>All kWh</u>
Distribution Charge	\$0.04392
External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00752
Storm Recovery Adjustment Factor	\$0.00047
Fixed Default Service Charge	<u>\$0.17518</u>
TOTAL	\$0.25685

Unitil Energy Systems, Inc.
Rates - Proposed 6/1/2022:

Customer Charge	\$16.22
	<u>All kWh</u>
Distribution Charge	\$0.04545
External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00752
Storm Recovery Adjustment Factor	\$0.00047
Current Fixed Default Service Charge	<u>\$0.17518</u>
TOTAL	\$0.25838

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 4/1/22	Total Bill Using Rates Proposed 6/1/22	Total Difference	% Total Difference
17%	0-1.0	26.9%	1.0	125	\$64.59	\$64.91	\$0.32	0.5%
28%	1.1-2	10.6%	1.5	308	\$105.55	\$106.02	\$0.48	0.5%
24%	2.1-3	7.4%	2.5	438	\$142.38	\$143.19	\$0.81	0.6%
24%	3.1-4	6.5%	3.5	625	\$190.08	\$191.21	\$1.13	0.6%
25%	4.1-5	5.9%	4.5	821	\$239.33	\$240.78	\$1.45	0.6%
24%	5.1-6	5.4%	5.5	965	\$278.32	\$280.09	\$1.77	0.6%
24%	6.1-7	4.2%	6.5	1,141	\$323.64	\$325.73	\$2.09	0.6%
25%	7.1-8	3.6%	7.5	1,351	\$375.59	\$378.00	\$2.41	0.6%
26%	8.1-9	3.0%	8.5	1,622	\$439.10	\$441.83	\$2.73	0.6%
27%	9.1-10	2.6%	9.5	1,872	\$498.66	\$501.71	\$3.05	0.6%
28%	10.1-12	4.2%	11.0	2,219	\$581.98	\$585.50	\$3.52	0.6%
29%	12.1-14	2.9%	13.0	2,800	\$716.63	\$720.80	\$4.16	0.6%
31%	14.1-16	2.4%	15.0	3,390	\$852.95	\$857.76	\$4.80	0.6%
33%	16.1-18	1.8%	17.0	4,048	\$1,002.39	\$1,007.83	\$5.45	0.5%
33%	18.1-20	1.4%	19.0	4,598	\$1,130.91	\$1,136.99	\$6.09	0.5%
34%	20.1-22.5	1.4%	21.3	5,309	\$1,293.29	\$1,300.09	\$6.80	0.5%
35%	22.6-25	1.2%	23.7	6,017	\$1,457.35	\$1,464.94	\$7.59	0.5%
37%	25.1-30	1.6%	27.4	7,335	\$1,752.97	\$1,761.75	\$8.78	0.5%
40%	30.1-35	1.1%	32.5	9,376	\$2,202.55	\$2,212.94	\$10.39	0.5%
40%	35.1-40	0.9%	37.5	11,085	\$2,588.73	\$2,600.74	\$12.01	0.5%
40%	40.1-45	0.7%	42.5	12,531	\$2,923.30	\$2,936.90	\$13.59	0.5%
43%	45.1-50	0.6%	47.5	14,838	\$3,423.49	\$3,438.69	\$15.20	0.4%
42%	50.1-60	0.9%	54.8	16,705	\$3,865.74	\$3,883.27	\$17.53	0.5%
43%	60.1-70	0.7%	64.8	20,391	\$4,688.44	\$4,709.18	\$20.74	0.4%
44%	70.1-80	0.5%	75.2	24,069	\$5,513.73	\$5,537.80	\$24.07	0.4%
44%	80.1-90	0.4%	84.7	27,000	\$6,185.55	\$6,212.66	\$27.10	0.4%
41%	90.1-100	0.3%	94.4	28,369	\$6,560.47	\$6,590.68	\$30.21	0.5%
45%	100.1-120	0.4%	109.2	35,732	\$8,143.43	\$8,178.39	\$34.96	0.4%
45%	120.1-140	0.2%	129.0	42,752	\$9,717.83	\$9,759.11	\$41.28	0.4%
43%	140.1-160	0.1%	149.1	46,963	\$10,757.75	\$10,805.45	\$47.70	0.4%
40%	160.1-200	0.1%	175.7	51,679	\$11,970.09	\$12,026.30	\$56.21	0.5%
26%	200.1+	0.0%	348.8	66,522	\$16,824.64	\$16,936.25	\$111.60	0.7%

Unitil Energy Systems, Inc.		Unitil Energy Systems, Inc.	
Rates - Effective 4/1/2022:		Rates - Proposed 6/1/2022:	
Customer Charge	\$29.19	Customer Charge	\$29.19
	<u>All kW</u>		<u>All kW</u>
Distribution Charge	\$11.62	Distribution Charge	\$11.94
Stranded Cost Charge	<u>\$0.00</u>	Stranded Cost Charge	<u>\$0.00</u>
TOTAL	\$11.62	TOTAL	\$11.94
	<u>kWh</u>		<u>kWh</u>
Distribution Charge	\$0.00000	Distribution Charge	\$0.00000
External Delivery Charge	\$0.02978	External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)	Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00752	System Benefits Charge	\$0.00752
Storm Recovery Adjustment Factor	\$0.00047	Storm Recovery Adjustment Factor	\$0.00047
Fixed Default Service Charge	<u>\$0.15381</u>	Current Fixed Default Service Charge	<u>\$0.15381</u>
TOTAL	\$0.19156	TOTAL	\$0.19156

Unitil Energy Systems, Inc.
Typical Bill Impacts as a Result of Proposed Rates
Impact on G2 - kWh meter Rate Customers

Range Monthly kWh	Percentage Bills	Average Monthly kWh	Total Bill Using Rates Effective 4/1/22	Total Bill Using Rates Proposed 6/1/22	Total Difference	% Total Difference
0-50	58.8%	18	\$22.32	\$22.41	\$0.09	0.4%
51-100	16.6%	71	\$33.78	\$34.12	\$0.34	1.0%
101-200	13.3%	146	\$50.04	\$50.74	\$0.69	1.4%
201-300	4.8%	243	\$70.96	\$72.11	\$1.15	1.6%
301-400	2.3%	346	\$93.40	\$95.04	\$1.64	1.8%
401-500	1.3%	452	\$116.37	\$118.51	\$2.14	1.8%
501-600	1.1%	543	\$136.07	\$138.64	\$2.57	1.9%
601-700	0.6%	639	\$156.84	\$159.87	\$3.03	1.9%
701-800	0.3%	742	\$179.17	\$182.69	\$3.52	2.0%
801-1,000	0.3%	890	\$211.19	\$215.40	\$4.22	2.0%
1,000+	0.7%	2,084	\$470.05	\$479.93	\$9.88	2.1%

Unitil Energy Systems, Inc.
Rates - Effective 4/1/2022:

Customer Charge	\$18.38
	<u>All kWh</u>
Distribution Charge	\$0.02519
External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00752
Storm Recovery Adjustment Factor	\$0.00047
Fixed Default Service Charge	<u>\$0.15381</u>
TOTAL	\$0.21675

Unitil Energy Systems, Inc.
Rates - Proposed 6/1/2022:

Customer Charge	\$18.38
	<u>All kWh</u>
Distribution Charge	\$0.02993
External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00752
Storm Recovery Adjustment Factor	\$0.00047
Current Fixed Default Service Charge	<u>\$0.15381</u>
TOTAL	\$0.22149

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G2 - QRWH and SH Rate Customers							
Range Monthly kWh	Percentage Bills	Average kWh	Total Bill Using Rates Effective 4/1/22	Total Bill Using Rates Proposed 6/1/22	Total Difference	% Total Difference	
0-250	41.9%	79	\$27.68	\$27.75	\$0.07	0.3%	
251-500	13.0%	365	\$92.58	\$92.92	\$0.34	0.4%	
501-750	8.0%	624	\$151.29	\$151.86	\$0.57	0.4%	
751-1,000	5.5%	869	\$206.69	\$207.49	\$0.80	0.4%	
1,001-2,000	12.5%	1,415	\$330.67	\$331.97	\$1.30	0.4%	
2,001-3,000	7.1%	2,448	\$564.85	\$567.10	\$2.25	0.4%	
3,001-4,000	3.5%	3,453	\$792.74	\$795.92	\$3.18	0.4%	
4,001-5,000	2.3%	4,506	\$1,031.64	\$1,035.79	\$4.15	0.4%	
5,001-6,000	1.0%	5,516	\$1,260.55	\$1,265.62	\$5.07	0.4%	
6,001-7,000	0.9%	6,474	\$1,478.00	\$1,483.95	\$5.96	0.4%	
7,001-8,000	0.9%	7,429	\$1,694.52	\$1,701.36	\$6.83	0.4%	
8,001-9,000	0.4%	8,471	\$1,930.69	\$1,938.48	\$7.79	0.4%	
9,001-10,000	0.5%	9,612	\$2,189.58	\$2,198.43	\$8.84	0.4%	
10,001+	2.6%	18,764	\$4,265.02	\$4,282.29	\$17.26	0.4%	

Unitil Energy Systems, Inc. Rates - Effective 4/1/2022:		Unitil Energy Systems, Inc. Rates - Proposed 6/1/2022:	
Customer Charge	\$9.73	Customer Charge	\$9.73
	<u>All kWh</u>		<u>All kWh</u>
Distribution Charge	\$0.03522	Distribution Charge	\$0.03614
External Delivery Charge	\$0.02978	External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)	Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00752	System Benefits Charge	\$0.00752
Storm Recovery Adjustment Factor	\$0.00047	Storm Recovery Adjustment Factor	\$0.00047
Fixed Default Service Charge	<u>\$0.15381</u>	Current Fixed Default Service Charge	<u>\$0.15381</u>
TOTAL	\$0.22678	TOTAL	\$0.22770

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 4/1/22	Total Bill Using Rates Proposed 6/1/22	Total Difference	% Total Difference
1	32.0%	291	67,950		Yes	\$14,084.19	\$14,136.57	\$52.38	0.4%
2	40.1%	158	46,305	1	Yes	\$9,081.43	\$9,109.37	\$27.94	0.3%
3	20.3%	489	72,292		Yes	\$16,358.22	\$16,446.19	\$87.97	0.5%
4	15.5%	567	64,125			\$15,841.24	\$15,943.24	\$102.00	0.6%
5	16.8%	193	23,717		Yes	\$5,729.79	\$5,764.57	\$34.78	0.6%
6	33.2%	288	69,841	1	Yes	\$14,024.47	\$14,075.24	\$50.78	0.4%
7	40.1%	290	84,900			\$17,131.15	\$17,183.31	\$52.16	0.3%
8	24.8%	316	57,185			\$12,590.15	\$12,647.11	\$56.97	0.5%
9	49.2%	186	66,885	1	Yes	\$12,755.55	\$12,788.36	\$32.82	0.3%
10	29.4%	673	144,575	1	Yes	\$29,525.38	\$29,644.15	\$118.77	0.4%
11	57.5%	450	189,070			\$36,344.54	\$36,425.55	\$81.01	0.2%
12	44.0%	322	103,375			\$20,570.07	\$20,628.03	\$57.96	0.3%
13	36.9%	451	121,500			\$24,746.14	\$24,827.34	\$81.20	0.3%
14	52.9%	318	123,050			\$23,920.00	\$23,977.31	\$57.31	0.2%
15	42.0%	291	89,400			\$17,917.53	\$17,969.99	\$52.45	0.3%
16	23.2%	459	77,850			\$17,310.35	\$17,392.92	\$82.57	0.5%
17	53.7%	716	280,803	1	Yes	\$52,783.36	\$52,909.69	\$126.33	0.2%
18	70.0%	538	275,100			\$51,847.97	\$51,944.84	\$96.87	0.2%
19	66.9%	1,432	699,283	2	Yes	\$126,690.54	\$126,939.36	\$248.82	0.2%
20	26.6%	640	124,101	1	Yes	\$25,826.46	\$25,939.36	\$112.90	0.4%
21	50.9%	254	94,302	1	Yes	\$17,884.92	\$17,929.71	\$44.78	0.3%
22	21.6%	228	35,933	1	Yes	\$7,864.81	\$7,905.08	\$40.26	0.5%
23	55.0%	495	198,707			\$38,369.18	\$38,458.26	\$89.08	0.2%
24	57.4%	420	175,773			\$33,810.45	\$33,885.99	\$75.54	0.2%
25	35.7%	293	76,309	1	Yes	\$15,151.45	\$15,203.11	\$51.66	0.3%
26	62.3%	558	254,016	2	Yes	\$46,358.40	\$46,455.37	\$96.97	0.2%
27	49.8%	692	251,233		Yes	\$48,665.88	\$48,790.39	\$124.51	0.3%
28	34.1%	379	94,439	1	Yes	\$18,859.18	\$18,926.11	\$66.93	0.4%
29	14.6%	274	29,187		Yes	\$7,296.40	\$7,345.78	\$49.38	0.7%
30	42.8%	179	55,967			\$11,251.09	\$11,283.35	\$32.26	0.3%
31	21.9%	468	74,603	1	Yes	\$16,187.66	\$16,270.14	\$82.48	0.5%
32	25.4%	392	72,567			\$15,853.57	\$15,924.12	\$70.55	0.4%
33	37.9%	218	60,330			\$12,318.23	\$12,357.44	\$39.21	0.3%
34	54.1%	2,781	1,099,095	2	Yes	\$203,022.14	\$203,505.12	\$482.98	0.2%
35	45.5%	277	91,980			\$18,240.02	\$18,289.83	\$49.81	0.3%
36	58.4%	561	238,900			\$45,813.34	\$45,914.23	\$100.89	0.2%
37	57.5%	429	180,133	2	Yes	\$33,149.37	\$33,223.94	\$74.58	0.2%
38	36.9%	342	92,233			\$18,822.60	\$18,884.20	\$61.60	0.3%
39	22.2%	382	62,000		Yes	\$13,764.37	\$13,833.11	\$68.74	0.5%
40	32.6%	227	53,960			\$11,295.94	\$11,336.71	\$40.78	0.4%
41	69.3%	2,259	1,143,565	2	Yes	\$206,504.45	\$206,896.86	\$392.41	0.2%
42	61.5%	1,286	577,482	2	Yes	\$105,406.92	\$105,630.29	\$223.37	0.2%
43	62.8%	2,917	1,336,786	2		\$244,850.95	\$245,357.68	\$506.72	0.2%
44	36.1%	498	131,232	1	Yes	\$25,951.88	\$26,039.74	\$87.86	0.3%
45	25.4%	431	79,983			\$17,448.02	\$17,525.59	\$77.56	0.4%
46	53.6%	1,072	419,655	2	Yes	\$77,647.21	\$77,833.40	\$186.18	0.2%
47	65.3%	644	307,000			\$58,196.70	\$58,312.58	\$115.88	0.2%
48	51.5%	159	59,867			\$11,756.22	\$11,784.88	\$28.65	0.2%
49	25.0%	133	24,333			\$5,438.94	\$5,462.93	\$23.99	0.4%
50	22.6%	246	40,675			\$9,176.52	\$9,220.85	\$44.34	0.5%
51	22.0%	397	63,750			\$14,376.35	\$14,447.72	\$71.37	0.5%
52	16.5%	372	44,875			\$10,930.31	\$10,997.23	\$66.91	0.6%
53	57.7%	762	320,917			\$61,561.74	\$61,698.93	\$137.19	0.2%
54	40.5%	183	54,200			\$10,980.94	\$11,013.93	\$32.99	0.3%
55	53.2%	695	270,150			\$52,290.59	\$52,415.74	\$125.15	0.2%
56	48.6%	199	70,633			\$13,934.17	\$13,970.01	\$35.84	0.3%

Unitil Energy Systems, Inc. Rates - Effective 4/1/2022:		Unitil Energy Systems, Inc. Rates - Proposed 6/1/2022:	
Customer Charge - Secondary	\$162.18	Customer Charge - Secondary	\$162.18
Customer Charge - Primary	\$86.49	Customer Charge - Primary	\$86.49
	<u>All kVA</u>		<u>All kVA</u>
Distribution Charge	\$8.23	Distribution Charge	\$8.41
Stranded Cost Charge	\$0.00	Stranded Cost Charge	\$0.00
TOTAL	\$8.23	TOTAL	\$8.41
	<u>All kWh</u>		<u>All kWh</u>
Distribution Charge	\$0.00000	Distribution Charge	\$0.00000
External Delivery Charge	\$0.02978	External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)	Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00752	System Benefits Charge	\$0.00752
Storm Recovery Adjustment Factor	\$0.00047	Storm Recovery Adjustment Factor	\$0.00047
Avg Dec 21-Mar 22 Default Service Charge	\$0.13403	Avg Dec 21-Mar 22 Default Service Charge	\$0.13403
TOTAL	\$0.17178	TOTAL	\$0.17178
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 4/1/22	Total Bill Using Rates Proposed 6/1/22	Total Difference	% Total Difference
57	48.2%	243	85,567			\$16,861.81	\$16,905.57	\$43.76	0.3%
58	51.0%	315	117,293			\$22,905.13	\$22,961.87	\$56.74	0.2%
59	33.1%	333	80,643			\$16,758.63	\$16,818.64	\$60.00	0.4%
60	31.4%	389	89,200			\$18,689.31	\$18,759.39	\$70.08	0.4%
61	45.3%	325	107,333			\$21,272.80	\$21,331.26	\$58.46	0.3%
62	23.2%	1,393	236,250		Yes	\$51,509.23	\$51,759.88	\$250.65	0.5%
63	21.5%	482	75,480			\$17,093.07	\$17,179.79	\$86.72	0.5%
64	41.2%	297	89,533			\$17,989.54	\$18,043.07	\$53.53	0.3%
65	47.8%	259	90,500			\$17,841.35	\$17,888.00	\$46.65	0.3%
66	41.3%	154	46,583			\$9,434.77	\$9,462.56	\$27.79	0.3%
67	7.5%	373	20,342			\$6,724.14	\$6,791.23	\$67.09	1.0%
68	44.8%	355	115,887			\$22,987.55	\$23,051.38	\$63.83	0.3%
69	55.6%	520	211,000			\$40,683.79	\$40,777.32	\$93.52	0.2%
70	32.0%	372	86,900			\$18,152.86	\$18,219.85	\$66.99	0.4%
71	51.4%	280	105,200			\$20,541.20	\$20,591.67	\$50.47	0.2%
72	48.5%	465	164,567			\$32,259.15	\$32,342.86	\$83.72	0.3%
73	54.1%	409	161,410			\$31,253.41	\$31,326.99	\$73.58	0.2%
74	38.3%	166	46,470			\$9,513.58	\$9,543.52	\$29.94	0.3%
75	76.1%	476	264,430			\$49,505.91	\$49,591.65	\$85.73	0.2%
76	55.2%	354	142,383			\$27,530.09	\$27,593.72	\$63.63	0.2%
77	49.6%	252	91,333			\$17,929.08	\$17,974.52	\$45.44	0.3%
78	33.0%	212	51,093			\$10,683.68	\$10,721.84	\$38.16	0.4%
79	51.3%	328	122,880			\$23,970.91	\$24,029.97	\$59.06	0.2%
80	58.8%	678	291,100			\$55,749.20	\$55,871.28	\$122.08	0.2%
81	12.5%	681	62,090			\$16,430.82	\$16,553.36	\$122.54	0.7%
82	33.0%	192	46,390			\$9,715.12	\$9,749.77	\$34.65	0.4%
83	52.5%	249	95,583			\$18,632.81	\$18,677.68	\$44.86	0.2%
84	12.6%	838	76,750			\$20,239.19	\$20,389.95	\$150.76	0.7%
85	61.7%	257	115,933			\$22,195.61	\$22,241.94	\$46.33	0.2%
86	17.5%	633	80,900			\$19,270.28	\$19,384.25	\$113.97	0.6%
87	4.7%	180	6,192	2		\$2,539.31	\$2,570.51	\$31.20	1.2%
88	21.1%	241	37,150			\$8,527.58	\$8,570.97	\$43.39	0.5%
89	60.6%	489	216,067			\$41,298.67	\$41,386.61	\$87.93	0.2%
90	56.2%	1,044	428,000			\$82,272.85	\$82,460.70	\$187.85	0.2%
91	26.8%	360	70,500			\$15,235.47	\$15,300.27	\$64.80	0.4%
92	17.5%	321	41,007			\$9,851.70	\$9,909.56	\$57.86	0.6%
93	39.4%	311	89,520			\$18,101.17	\$18,157.19	\$56.02	0.3%
94	67.4%	501	246,680			\$46,660.72	\$46,750.91	\$90.19	0.2%
95	25.8%	222	41,900			\$9,188.67	\$9,228.67	\$40.00	0.4%
96	64.7%	354	167,040			\$31,766.16	\$31,829.81	\$63.64	0.2%
97	42.0%	297	91,080			\$18,251.25	\$18,304.69	\$53.44	0.3%
98	20.0%	230	33,520			\$7,810.47	\$7,851.81	\$41.34	0.5%
99	11.0%	250	20,064			\$5,663.12	\$5,708.05	\$44.93	0.8%
100	21.8%	228	36,187			\$8,253.87	\$8,294.89	\$41.02	0.5%
101	47.6%	476	165,320			\$32,479.98	\$32,565.69	\$85.72	0.3%
102	55.4%	356	143,928			\$27,814.78	\$27,878.83	\$64.05	0.2%
103	37.7%	381	104,773	2		\$20,293.32	\$20,359.43	\$66.11	0.3%
104	34.6%	376	94,929	1	Yes	\$18,912.51	\$18,978.76	\$66.25	0.4%
105	70.3%	321	164,820		Yes	\$31,118.09	\$31,175.90	\$57.81	0.2%
106	33.7%	258	63,456			\$13,182.63	\$13,229.00	\$46.37	0.4%
107	19.7%	271	39,008			\$9,092.28	\$9,141.03	\$48.76	0.5%
108	54.3%	257	102,032			\$19,808.26	\$19,854.60	\$46.35	0.2%
109	42.3%	239	73,700			\$14,787.35	\$14,830.32	\$42.98	0.3%
110	48.6%	770	273,155	2	Yes	\$51,109.98	\$51,243.71	\$133.73	0.3%
111	37.3%	295	80,320			\$16,386.99	\$16,440.08	\$53.09	0.3%
112	40.2%	368	107,900			\$21,724.78	\$21,791.00	\$66.22	0.3%

Unitil Energy Systems, Inc. Rates - Effective 4/1/2022:		Unitil Energy Systems, Inc. Rates - Proposed 6/1/2022:	
Customer Charge - Secondary	\$162.18	Customer Charge - Secondary	\$162.18
Customer Charge - Primary	\$86.49	Customer Charge - Primary	\$86.49
	<u>All kVA</u>		<u>All kVA</u>
Distribution Charge	\$8.23	Distribution Charge	\$8.41
Stranded Cost Charge	\$0.00	Stranded Cost Charge	\$0.00
TOTAL	\$8.23	TOTAL	\$8.41
	<u>All kWh</u>		<u>All kWh</u>
Distribution Charge	\$0.00000	Distribution Charge	\$0.00000
External Delivery Charge	\$0.02978	External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)	Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00752	System Benefits Charge	\$0.00752
Storm Recovery Adjustment Factor	\$0.00047	Storm Recovery Adjustment Factor	\$0.00047
Avg Dec 21-Mar 22 Default Service Charge	\$0.13403	Avg Dec 21-Mar 22 Default Service Charge	\$0.13403
TOTAL	\$0.17178	TOTAL	\$0.17178
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 4/1/22	Total Bill Using Rates Proposed 6/1/22	Total Difference	% Total Difference
113	51.3%	264	99,073	2	Yes	\$18,481.24	\$18,527.15	\$45.91	0.2%
114	30.6%	339	75,583			\$15,932.63	\$15,993.58	\$60.95	0.4%
115	61.0%	677	301,440			\$57,515.46	\$57,637.32	\$121.86	0.2%
116	74.4%	405	219,800			\$41,249.21	\$41,322.04	\$72.83	0.2%
117	61.5%	217	97,536			\$18,704.81	\$18,743.92	\$39.10	0.2%
118	28.4%	352	73,100			\$15,618.73	\$15,682.14	\$63.41	0.4%
119	48.2%	453	159,340			\$31,263.44	\$31,345.02	\$81.58	0.3%
120	43.9%	346	110,840			\$22,051.50	\$22,113.82	\$62.32	0.3%
121	51.2%	684	255,424	2		\$47,859.96	\$47,978.78	\$118.82	0.2%
122	40.9%	249	74,387			\$14,991.85	\$15,036.72	\$44.87	0.3%
123	20.1%	236	34,573			\$8,040.24	\$8,082.65	\$42.41	0.5%
124	9.8%	606	43,345	2	Yes	\$11,790.88	\$11,896.12	\$105.23	0.9%
125	18.9%	312	43,030			\$10,119.03	\$10,175.13	\$56.10	0.6%
126	60.0%	639	279,650			\$53,456.14	\$53,571.08	\$114.95	0.2%
127	52.4%	2,025	774,292	2	Yes	\$143,542.89	\$143,894.60	\$351.70	0.2%
128	61.2%	2,222	991,779	2	Yes	\$181,064.09	\$181,450.01	\$385.91	0.2%
129	42.8%	137	42,708			\$8,623.73	\$8,648.33	\$24.61	0.3%
130	48.5%	206	72,800			\$14,360.13	\$14,397.14	\$37.01	0.3%
131	27.1%	308	60,960			\$13,167.56	\$13,222.98	\$55.41	0.4%
132	32.2%	174	41,024			\$8,644.66	\$8,676.06	\$31.39	0.4%
133	48.5%	1,145	405,120			\$79,179.99	\$79,386.16	\$206.16	0.3%
134	16.0%	249	29,000			\$7,190.60	\$7,235.37	\$44.77	0.6%
135	48.6%	431	152,940			\$29,984.02	\$30,061.66	\$77.64	0.3%
136	31.7%	483	111,872			\$23,357.04	\$23,444.04	\$86.99	0.4%
137	44.2%	242	78,120			\$15,575.42	\$15,619.03	\$43.61	0.3%
138	61.1%	543	242,600			\$46,308.81	\$46,406.63	\$97.83	0.2%
139	48.8%	941	335,067			\$65,466.01	\$65,635.42	\$169.42	0.3%
140	80.1%	152	89,145			\$16,730.38	\$16,757.82	\$27.45	0.2%
141	54.2%	427	168,907			\$32,689.94	\$32,766.78	\$76.83	0.2%
142	36.7%	319	85,493			\$17,472.22	\$17,529.61	\$57.39	0.3%
143	26.8%	637	124,693			\$26,826.29	\$26,940.99	\$114.70	0.4%
144	55.0%	424	170,000			\$32,852.11	\$32,928.38	\$76.27	0.2%
145	45.1%	355	116,783			\$23,144.80	\$23,208.70	\$63.90	0.3%
146	25.7%	401	75,167			\$16,376.73	\$16,448.96	\$72.23	0.4%
147	58.8%	477	204,500			\$39,213.68	\$39,299.47	\$85.79	0.2%
148	27.0%	849	167,400			\$35,904.87	\$36,057.68	\$152.81	0.4%
149	70.7%	1,008	519,800			\$97,745.97	\$97,927.34	\$181.37	0.2%
150	55.6%	457	185,400			\$35,769.79	\$35,852.02	\$82.23	0.2%
151	42.1%	144	44,240			\$8,946.37	\$8,972.28	\$25.91	0.3%
152	6.3%	310	14,317			\$5,176.23	\$5,232.10	\$55.88	1.1%
153	61.1%	885	394,833			\$75,274.25	\$75,433.63	\$159.39	0.2%
154	51.7%	511	192,725			\$37,471.27	\$37,563.19	\$91.92	0.2%
155	45.8%	562	187,767			\$37,040.21	\$37,141.34	\$101.12	0.3%
156	26.2%	318	60,750			\$13,211.46	\$13,268.62	\$57.16	0.4%
157	48.6%	610	216,075			\$42,295.87	\$42,405.58	\$109.71	0.3%
158	10.9%	492	39,030			\$10,916.87	\$11,005.45	\$88.58	0.8%
159	68.6%	1,016	508,947	2	Yes	\$92,035.97	\$92,212.54	\$176.56	0.2%
160	36.0%	78	20,350			\$4,295.80	\$4,309.75	\$13.95	0.3%
161	3.4%	3,066	75,994	2		\$37,033.37	\$37,565.92	\$532.55	1.4%
162	3.9%	255	7,292			\$3,513.39	\$3,559.29	\$45.90	1.3%
163	58.2%	225	95,529			\$18,423.12	\$18,463.61	\$40.48	0.2%
164	58.8%	295	126,875			\$24,388.32	\$24,441.50	\$53.18	0.2%
165	42.2%	181	55,800			\$11,236.59	\$11,269.15	\$32.57	0.3%
166	2.3%	745	12,588	1	Yes	\$7,846.29	\$7,977.64	\$131.35	1.7%
167	34.5%	381	95,900			\$19,770.07	\$19,838.62	\$68.55	0.3%

Unitil Energy Systems, Inc. Rates - Effective 4/1/2022:		Unitil Energy Systems, Inc. Rates - Proposed 6/1/2022:	
Customer Charge - Secondary	\$162.18	Customer Charge - Secondary	\$162.18
Customer Charge - Primary	\$86.49	Customer Charge - Primary	\$86.49
	<u>All kVA</u>		<u>All kVA</u>
Distribution Charge	\$8.23	Distribution Charge	\$8.41
Stranded Cost Charge	\$0.00	Stranded Cost Charge	\$0.00
TOTAL	\$8.23	TOTAL	\$8.41
	<u>All kWh</u>		<u>All kWh</u>
Distribution Charge	\$0.00000	Distribution Charge	\$0.00000
External Delivery Charge	\$0.02978	External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)	Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00752	System Benefits Charge	\$0.00752
Storm Recovery Adjustment Factor	\$0.00047	Storm Recovery Adjustment Factor	\$0.00047
Avg Dec 21-Mar 22 Default Service Charge	\$0.13403	Avg Dec 21-Mar 22 Default Service Charge	\$0.13403
TOTAL	\$0.17178	TOTAL	\$0.17178
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 4/1/22	Total Bill Using Rates Proposed 6/1/22	Total Difference	% Total Difference				
Mercury Vapor:													
1	100	3,500	ST	43	14.2%	\$21.97	\$21.97	\$0.00	0.0%				
2	175	7,000	ST	71	0.8%	\$29.33	\$29.33	\$0.00	0.0%				
3	250	11,000	ST	100	0.8%	\$36.41	\$36.41	\$0.00	0.0%				
4	400	20,000	ST	157	1.3%	\$47.32	\$47.32	\$0.00	0.0%				
5	1,000	60,000	ST	372	0.0%	\$96.04	\$96.04	\$0.00	0.0%				
6	250	11,000	FL	100	0.7%	\$37.41	\$37.41	\$0.00	0.0%				
7	400	20,000	FL	157	0.9%	\$51.64	\$51.64	\$0.00	0.0%				
8	1,000	60,000	FL	380	0.1%	\$98.08	\$98.08	\$0.00	0.0%				
9	100	3,500	PB	48	4.0%	\$22.63	\$22.63	\$0.00	0.0%				
10	175	7,000	PB	71	0.6%	\$28.25	\$28.25	\$0.00	0.0%				
High Pressure Sodium:													
11	50	4,000	ST	23	36.7%	\$18.14	\$18.14	\$0.00	0.0%				
12	100	9,500	ST	48	1.3%	\$24.92	\$24.92	\$0.00	0.0%				
13	150	16,000	ST	65	4.0%	\$29.70	\$29.70	\$0.00	0.0%				
14	250	30,000	ST	102	13.2%	\$39.07	\$39.07	\$0.00	0.0%				
15	400	50,000	ST	161	2.8%	\$55.62	\$55.62	\$0.00	0.0%				
16	1,000	140,000	ST	380	1.6%	\$115.30	\$115.30	\$0.00	0.0%				
17	150	16,000	FL	65	2.7%	\$30.70	\$30.70	\$0.00	0.0%				
18	250	30,000	FL	102	3.9%	\$41.11	\$41.11	\$0.00	0.0%				
19	400	50,000	FL	161	5.0%	\$56.13	\$56.13	\$0.00	0.0%				
20	1,000	140,000	FL	380	2.5%	\$115.68	\$115.68	\$0.00	0.0%				
21	50	4,000	PB	23	1.4%	\$17.85	\$17.85	\$0.00	0.0%				
22	100	9,500	PB	48	0.9%	\$23.84	\$23.84	\$0.00	0.0%				
Metal Halide													
23	175	8,800	ST	74	0.0%	\$31.43	\$31.43	\$0.00	0.0%				
24	1,000	86,000	FL	374	0.5%	\$96.93	\$96.93	\$0.00	0.0%				
LED													
25	35	3,000	AL	12	0.0%	\$15.74	\$15.74	\$0.00	0.0%				
26	47	4,000	AL	16	0.0%	\$17.71	\$17.71	\$0.00	0.0%				
27	30	3,300	ST	10	0.0%	\$15.65	\$15.65	\$0.00	0.0%				
28	50	5,000	ST	17	0.0%	\$18.99	\$18.99	\$0.00	0.0%				
29	100	11,000	ST	35	0.0%	\$23.95	\$23.95	\$0.00	0.0%				
30	120	18,000	ST	42	0.0%	\$27.58	\$27.58	\$0.00	0.0%				
31	140	18,000	ST	48	0.0%	\$33.97	\$33.97	\$0.00	0.0%				
32	260	31,000	ST	90	0.0%	\$59.75	\$59.75	\$0.00	0.0%				
33	70	10,000	FL	24	0.0%	\$22.85	\$22.85	\$0.00	0.0%				
34	90	10,000	FL	31	0.0%	\$27.51	\$27.51	\$0.00	0.0%				
35	110	15,000	FL	38	0.0%	\$32.57	\$32.57	\$0.00	0.0%				
36	370	46,000	FL	128	0.0%	\$67.41	\$67.41	\$0.00	0.0%				
Unitil Energy Systems, Inc. Rates - Effective 4/1/2022:					Unitil Energy Systems, Inc. Rates - Proposed 6/1/2022:								
Customer Charge					\$0.00	Customer Charge					\$0.00		
Distribution Charge					All kWh \$0.00000	Distribution Charge					All kWh \$0.00000		
External Delivery Charge					\$0.02978	External Delivery Charge					\$0.02978		
Stranded Cost Charge					(\$0.00002)	Stranded Cost Charge					(\$0.00002)		
System Benefits Charge					\$0.00752	System Benefits Charge					\$0.00752		
Storm Recovery Adjustment Factor					\$0.00047	Storm Recovery Adjustment Factor					\$0.00047		
Fixed Default Service Charge					\$0.15381	Current Fixed Default Service Charge					\$0.15381		
TOTAL					\$0.19156	TOTAL					\$0.19156		
Luminaire Charges:					Luminaire Charges:								
	Mercury Vapor Rate/Mo.	Sodium Vapor Rate/Mo.	Metal Halide Rate/Mo.	LED Rate/Mo.		Mercury Vapor Rate/Mo.	Sodium Vapor Rate/Mo.	Metal Halide Rate/Mo.	LED Rate/Mo.				
1	\$13.73	11	\$13.73	23	\$17.25	25	\$13.44	11	\$13.73	23	\$17.25	25	\$13.44
2	\$15.73	12	\$15.73	24	\$25.29	26	\$14.65	12	\$15.73	24	\$25.29	26	\$14.65
3	\$17.25	13	\$17.25	27	\$13.73	27	\$13.73	13	\$17.25	27	\$13.73	27	\$13.73
4	\$17.25	14	\$19.53	28	\$15.73	28	\$15.73	14	\$19.53	28	\$15.73	28	\$15.73
5	\$24.78	15	\$24.78	29	\$17.25	29	\$17.25	15	\$24.78	29	\$17.25	29	\$17.25
6	\$18.25	16	\$42.51	30	\$19.53	30	\$19.53	16	\$42.51	30	\$19.53	30	\$19.53
7	\$21.57	17	\$18.25	31	\$24.78	31	\$24.78	17	\$18.25	31	\$24.78	31	\$24.78
8	\$25.29	18	\$21.57	32	\$42.51	32	\$42.51	18	\$21.57	32	\$42.51	32	\$42.51
9	\$13.44	19	\$25.29	33	\$18.25	33	\$18.25	19	\$25.29	33	\$18.25	33	\$18.25
10	\$14.65	20	\$42.89	34	\$21.57	34	\$21.57	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 4/1/22	Total Bill Using Rates Proposed 6/1/22	Total Difference	% Total Difference
	<u>CS LED</u>								
1	35	3,000	AL	12	0.0%	\$9.30	\$9.30	\$0.00	0.0%
2	47	4,000	AL	16	0.0%	\$11.27	\$11.27	\$0.00	0.0%
3	30	3,300	ST	10	0.0%	\$11.63	\$11.63	\$0.00	0.0%
4	50	5,000	ST	17	0.0%	\$15.18	\$15.18	\$0.00	0.0%
5	100	11,000	ST	35	0.0%	\$19.18	\$19.18	\$0.00	0.0%
6	120	18,000	ST	42	0.0%	\$22.81	\$22.81	\$0.00	0.0%
7	140	18,000	ST	48	0.0%	\$27.02	\$27.02	\$0.00	0.0%
8	260	31,000	ST	90	0.0%	\$50.80	\$50.80	\$0.00	0.0%
9	70	10,000	FL	24	0.0%	\$15.84	\$15.84	\$0.00	0.0%
10	90	10,000	FL	31	0.0%	\$20.50	\$20.50	\$0.00	0.0%
11	110	15,000	FL	38	0.0%	\$24.64	\$24.64	\$0.00	0.0%
12	370	46,000	FL	128	0.0%	\$51.52	\$51.52	\$0.00	0.0%

Unitil Energy Systems, Inc. Rates - Effective 4/1/2022:		Unitil Energy Systems, Inc. Rates - Proposed 6/1/2022:	
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	\$0.02978
Stranded Cost Charge	(\$0.00002)	Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00752	System Benefits Charge	\$0.00752
Storm Recovery Adjustment Factor	\$0.00047	Storm Recovery Adjustment Factor	\$0.00047
Fixed Default Service Charge	<u>\$0.15381</u>	Current Fixed Default Service Charge	<u>\$0.15381</u>
TOTAL	\$0.19156	TOTAL	\$0.19156

<u>Luminaire Charges:</u>		<u>Luminaire Charges:</u>	
	CS LED Rate/Mo.		CS LED Rate/Mo.
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