

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 Proposed 6/1/22 w/o Step	Total Bill Using Rates Proposed 6/1/22 with Step	Total Difference	% Total Difference
0-100	7.6%	38	\$23.01	\$23.07	\$0.06	0.2%
101-200	8.2%	154	\$44.03	\$44.27	\$0.24	0.5%
201-300	10.4%	252	\$61.82	\$62.21	\$0.39	0.6%
301-400	11.2%	351	\$79.73	\$80.26	\$0.54	0.7%
401-500	10.8%	450	\$97.71	\$98.39	\$0.69	0.7%
501-750	21.6%	617	\$127.87	\$128.81	\$0.94	0.7%
750-1,000	13.0%	864	\$172.66	\$173.99	\$1.32	0.8%
1,000-1,500	11.2%	1,201	\$233.71	\$235.54	\$1.84	0.8%
1,501-2,000	3.6%	1,707	\$325.39	\$328.00	\$2.61	0.8%
2,001-3,500	2.0%	2,447	\$459.34	\$463.08	\$3.74	0.8%
3,501-5,000	0.2%	4,021	\$744.39	\$750.54	\$6.15	0.8%
5,000+	0.0%	6,632	\$1,217.11	\$1,227.25	\$10.15	0.8%
600 kWh bill		600	\$124.86	\$125.78	\$0.92	0.7%

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:		Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:	
Customer Charge	\$16.22	Customer Charge	\$16.22
	<u>All kWh</u>		<u>All kWh</u>
Distribution Charge	\$0.04333	Distribution Charge	\$0.04486
External Delivery Charge	\$0.02978	External Delivery Charge	\$0.02978
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
TOTAL	\$0.18107	TOTAL	\$0.18260

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 Proposed 6/1/22 w/o Step	Total Bill Using Rates Proposed 6/1/22 with Step	Total Difference	% Total Difference
17%	0-1.0	26.9%	1.0	125	\$56.88	\$57.20	\$0.32	0.6%
28%	1.1-2	10.6%	1.5	308	\$86.54	\$87.02	\$0.48	0.6%
24%	2.1-3	7.4%	2.5	438	\$115.35	\$116.15	\$0.81	0.7%
24%	3.1-4	6.5%	3.5	625	\$151.47	\$152.60	\$1.13	0.7%
25%	4.1-5	5.9%	4.5	821	\$188.62	\$190.08	\$1.45	0.8%
24%	5.1-6	5.4%	5.5	965	\$218.75	\$220.52	\$1.77	0.8%
24%	6.1-7	4.2%	6.5	1,141	\$253.20	\$255.29	\$2.09	0.8%
25%	7.1-8	3.6%	7.5	1,351	\$292.21	\$294.62	\$2.41	0.8%
26%	8.1-9	3.0%	8.5	1,622	\$338.99	\$341.72	\$2.73	0.8%
27%	9.1-10	2.6%	9.5	1,872	\$383.15	\$386.20	\$3.05	0.8%
28%	10.1-12	4.2%	11.0	2,219	\$445.10	\$448.62	\$3.52	0.8%
29%	12.1-14	2.9%	13.0	2,800	\$543.99	\$548.15	\$4.16	0.8%
31%	14.1-16	2.4%	15.0	3,390	\$644.01	\$648.81	\$4.80	0.7%
33%	16.1-18	1.8%	17.0	4,048	\$752.92	\$758.36	\$5.45	0.7%
33%	18.1-20	1.4%	19.0	4,598	\$847.59	\$853.68	\$6.09	0.7%
34%	20.1-22.5	1.4%	21.3	5,309	\$966.20	\$973.00	\$6.80	0.7%
35%	22.6-25	1.2%	23.7	6,017	\$1,086.70	\$1,094.29	\$7.59	0.7%
37%	25.1-30	1.6%	27.4	7,335	\$1,301.22	\$1,309.99	\$8.78	0.7%
40%	30.1-35	1.1%	32.5	9,376	\$1,625.30	\$1,635.69	\$10.39	0.6%
40%	35.1-40	0.9%	37.5	11,085	\$1,906.34	\$1,918.35	\$12.01	0.6%
40%	40.1-45	0.7%	42.5	12,531	\$2,151.86	\$2,165.45	\$13.59	0.6%
43%	45.1-50	0.6%	47.5	14,838	\$2,510.28	\$2,525.48	\$15.20	0.6%
42%	50.1-60	0.9%	54.8	16,705	\$2,837.52	\$2,855.05	\$17.53	0.6%
43%	60.1-70	0.7%	64.8	20,391	\$3,433.48	\$3,454.22	\$20.74	0.6%
44%	70.1-80	0.5%	75.2	24,069	\$4,032.55	\$4,056.62	\$24.07	0.6%
44%	80.1-90	0.4%	84.7	27,000	\$4,523.94	\$4,551.04	\$27.10	0.6%
41%	90.1-100	0.3%	94.4	28,369	\$4,814.16	\$4,844.36	\$30.21	0.6%
45%	100.1-120	0.4%	109.2	35,732	\$5,944.69	\$5,979.65	\$34.96	0.6%
45%	120.1-140	0.2%	129.0	42,752	\$7,087.23	\$7,128.51	\$41.28	0.6%
43%	140.1-160	0.1%	149.1	46,963	\$7,867.45	\$7,915.15	\$47.70	0.6%
40%	160.1-200	0.1%	175.7	51,679	\$8,788.63	\$8,844.85	\$56.21	0.6%
26%	200.1+	0.0%	348.8	66,522	\$12,719.61	\$12,831.21	\$111.60	0.9%

Unitil Energy Systems, Inc.
Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:

Customer Charge	\$29.19
	<u>All kW</u>
Distribution Charge	\$11.54
Stranded Cost Charge	<u>\$0.00</u>
TOTAL	\$11.54
	<u>kWh</u>
Distribution Charge	\$0.00000
External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00681
Storm Recovery Adjustment Factor	\$0.00000
Fixed Default Service Charge	<u>\$0.09370</u>
TOTAL	\$0.13027

Unitil Energy Systems, Inc.
Rates - Proposed Effective 6/1/2022 with Step Adjustment:

Customer Charge	\$29.19
	<u>All kW</u>
Distribution Charge	\$11.86
Stranded Cost Charge	<u>\$0.00</u>
TOTAL	\$11.86
	<u>kWh</u>
Distribution Charge	\$0.00000
External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00681
Storm Recovery Adjustment Factor	\$0.00000
Fixed Default Service Charge	<u>\$0.09370</u>
TOTAL	\$0.13027

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 Proposed 6/1/22 w/o Step	Total Bill Using Rates Proposed 6/1/22 with Step	Total Difference	% Total Difference	
0-50	58.8%	18	\$21.19	\$21.27	\$0.09	0.4%	
51-100	16.6%	71	\$29.34	\$29.68	\$0.34	1.2%	
101-200	13.3%	146	\$40.92	\$41.62	\$0.69	1.7%	
201-300	4.8%	243	\$55.81	\$56.96	\$1.15	2.1%	
301-400	2.3%	346	\$71.79	\$73.43	\$1.64	2.3%	
401-500	1.3%	452	\$88.14	\$90.29	\$2.15	2.4%	
501-600	1.1%	543	\$102.16	\$104.74	\$2.58	2.5%	
601-700	0.6%	639	\$116.95	\$119.99	\$3.03	2.6%	
701-800	0.3%	742	\$132.85	\$136.38	\$3.52	2.7%	
801-1,000	0.3%	890	\$155.64	\$159.87	\$4.23	2.7%	
1,000+	0.7%	2,084	\$339.94	\$349.84	\$9.90	2.9%	

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:		Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:	
Customer Charge	\$18.38	Customer Charge	\$18.38
	<u>All kWh</u>		<u>All kWh</u>
Distribution Charge	\$0.02404	Distribution Charge	\$0.02879
External Delivery Charge	\$0.02978	External Delivery Charge	\$0.02978
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	\$0.09370	Fixed Default Service Charge	\$0.09370
TOTAL	\$0.15431	TOTAL	\$0.15906

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

<u>Range Monthly kWh</u>	<u>Percentage Bills</u>	<u>Average kWh</u>	<u>Total Bill Using Rates Proposed 6/1/22 w/o Step</u>	<u>Total Bill Using Rates Proposed 6/1/22 with Step</u>	<u>Total Difference</u>	<u>% Total Difference</u>
0-250	41.9%	79	\$22.81	\$22.88	\$0.07	0.3%
251-500	13.0%	365	\$70.11	\$70.45	\$0.34	0.5%
501-750	8.0%	624	\$112.89	\$113.47	\$0.57	0.5%
751-1,000	5.5%	869	\$153.27	\$154.07	\$0.80	0.5%
1,001-2,000	12.5%	1,415	\$243.62	\$244.92	\$1.30	0.5%
2,001-3,000	7.1%	2,448	\$414.28	\$416.53	\$2.25	0.5%
3,001-4,000	3.5%	3,453	\$580.36	\$583.54	\$3.18	0.5%
4,001-5,000	2.3%	4,506	\$754.47	\$758.61	\$4.15	0.5%
5,001-6,000	1.0%	5,516	\$921.29	\$926.36	\$5.07	0.6%
6,001-7,000	0.9%	6,474	\$1,079.76	\$1,085.71	\$5.96	0.6%
7,001-8,000	0.9%	7,429	\$1,237.55	\$1,244.39	\$6.83	0.6%
8,001-9,000	0.4%	8,471	\$1,409.66	\$1,417.46	\$7.79	0.6%
9,001-10,000	0.5%	9,612	\$1,598.34	\$1,607.18	\$8.84	0.6%
10,001+	2.6%	18,764	\$3,110.85	\$3,128.11	\$17.26	0.6%

Unitil Energy Systems, Inc.
Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:

Customer Charge	\$9.73
	<u>All kWh</u>
Distribution Charge	\$0.03500
External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00681
Storm Recovery Adjustment Factor	\$0.00000
Fixed Default Service Charge	<u>\$0.09370</u>
TOTAL	\$0.16527

Unitil Energy Systems, Inc.
Rates - Proposed Effective 6/1/2022 with Step Adjustment:

Customer Charge	\$9.73
	<u>All kWh</u>
Distribution Charge	\$0.03592
External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00681
Storm Recovery Adjustment Factor	\$0.00000
Fixed Default Service Charge	<u>\$0.09370</u>
TOTAL	\$0.16619

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		Total Difference	% Total Difference
						Proposed 6/1/22 w/o Step	Proposed 6/1/22 with Step		
1	32.0%	291	67,950		Yes	\$12,067.34	\$12,119.73	\$52.38	0.4%
2	40.1%	158	46,305	1	Yes	\$7,736.09	\$7,764.03	\$27.94	0.4%
3	20.3%	489	72,292		Yes	\$14,205.35	\$14,293.32	\$87.97	0.6%
4	15.5%	567	64,125			\$13,926.24	\$14,028.24	\$102.00	0.7%
5	16.8%	193	23,717		Yes	\$5,022.19	\$5,056.97	\$34.78	0.7%
6	33.2%	288	69,841	1	Yes	\$11,993.39	\$12,044.16	\$50.78	0.4%
7	40.1%	290	84,900			\$14,614.16	\$14,666.32	\$52.16	0.4%
8	24.8%	316	57,185			\$10,889.96	\$10,946.93	\$56.97	0.5%
9	49.2%	186	66,885	1	Yes	\$10,813.95	\$10,846.77	\$32.82	0.3%
10	29.4%	673	144,575	1	Yes	\$25,317.92	\$25,436.69	\$118.77	0.5%
11	57.5%	450	189,070			\$30,747.08	\$30,828.09	\$81.01	0.3%
12	44.0%	322	103,375			\$17,506.59	\$17,564.55	\$57.96	0.3%
13	36.9%	451	121,500			\$21,142.63	\$21,223.83	\$81.20	0.4%
14	52.9%	318	123,050			\$20,276.06	\$20,333.37	\$57.31	0.3%
15	42.0%	291	89,400			\$15,267.68	\$15,320.14	\$52.45	0.3%
16	23.2%	459	77,850			\$14,994.65	\$15,077.22	\$82.57	0.6%
17	53.7%	716	280,803	1	Yes	\$44,634.53	\$44,760.86	\$126.33	0.3%
18	70.0%	538	275,100			\$43,708.24	\$43,805.11	\$96.87	0.2%
19	66.9%	1,432	699,283	2	Yes	\$106,721.65	\$106,970.48	\$248.82	0.2%
20	26.6%	640	124,101	1	Yes	\$22,212.41	\$22,325.30	\$112.90	0.5%
21	50.9%	254	94,302	1	Yes	\$15,147.77	\$15,192.56	\$44.78	0.3%
22	21.6%	228	35,933	1	Yes	\$6,816.68	\$6,856.95	\$40.26	0.6%
23	55.0%	495	198,707			\$32,485.54	\$32,574.63	\$89.08	0.3%
24	57.4%	420	175,773			\$28,606.59	\$28,682.13	\$75.54	0.3%
25	35.7%	293	76,309	1	Yes	\$12,933.12	\$12,984.78	\$51.66	0.4%
26	62.3%	558	254,016	2	Yes	\$39,103.20	\$39,200.17	\$96.97	0.2%
27	49.8%	692	251,233		Yes	\$41,224.32	\$41,348.83	\$124.51	0.3%
28	34.1%	379	94,439	1	Yes	\$16,113.14	\$16,180.07	\$66.93	0.4%
29	14.6%	274	29,187		Yes	\$6,424.13	\$6,473.50	\$49.38	0.8%
30	42.8%	179	55,967			\$9,592.34	\$9,624.60	\$32.26	0.3%
31	21.9%	468	74,603	1	Yes	\$14,011.84	\$14,094.33	\$82.48	0.6%
32	25.4%	392	72,567			\$13,696.45	\$13,767.00	\$70.55	0.5%
33	37.9%	218	60,330			\$10,529.18	\$10,568.38	\$39.21	0.4%
34	54.1%	2,781	1,099,095	2	Yes	\$171,615.72	\$172,098.69	\$482.98	0.3%
35	45.5%	277	91,980			\$15,514.62	\$15,564.43	\$49.81	0.3%
36	58.4%	561	238,900			\$38,740.98	\$38,841.87	\$100.89	0.3%
37	57.5%	429	180,133	2	Yes	\$28,003.11	\$28,077.69	\$74.58	0.3%
38	36.9%	342	92,233			\$16,087.11	\$16,148.71	\$61.60	0.4%
39	22.2%	382	62,000		Yes	\$11,919.47	\$11,988.21	\$68.74	0.6%
40	32.6%	227	53,960			\$9,694.51	\$9,735.29	\$40.78	0.4%
41	69.3%	2,259	1,143,565	2	Yes	\$173,851.77	\$174,244.18	\$392.41	0.2%
42	61.5%	1,286	577,482	2	Yes	\$88,912.24	\$89,135.61	\$223.37	0.3%
43	62.8%	2,917	1,336,786	2		\$206,670.48	\$207,177.20	\$506.72	0.2%
44	36.1%	498	131,232	1	Yes	\$22,137.15	\$22,225.02	\$87.86	0.4%
45	25.4%	431	79,983			\$15,070.48	\$15,148.04	\$77.56	0.5%
46	53.6%	1,072	419,655	2	Yes	\$65,655.27	\$65,841.45	\$186.18	0.3%
47	65.3%	644	307,000			\$49,111.38	\$49,227.26	\$115.88	0.2%
48	51.5%	159	59,867			\$9,983.19	\$10,011.84	\$28.65	0.3%
49	25.0%	133	24,333			\$4,715.54	\$4,739.53	\$23.99	0.5%
50	22.6%	246	40,675			\$7,966.35	\$8,010.68	\$44.34	0.6%
51	22.0%	397	63,750			\$12,479.23	\$12,550.60	\$71.37	0.6%
52	16.5%	372	44,875			\$9,591.18	\$9,658.09	\$66.92	0.7%
53	57.7%	762	320,917			\$52,061.00	\$52,198.19	\$137.19	0.3%
54	40.5%	183	54,200			\$9,374.17	\$9,407.16	\$32.99	0.4%
55	53.2%	695	270,150			\$44,290.65	\$44,415.80	\$125.15	0.3%
56	48.6%	199	70,633			\$11,841.81	\$11,877.65	\$35.84	0.3%

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:		Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:	
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	\$8.19	Distribution Charge	\$8.37
Stranded Cost Charge	\$0.00	Stranded Cost Charge	\$0.00
TOTAL	\$8.19	TOTAL	\$8.37
	<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	\$0.00681	System Benefits Charge	\$0.00681
Storm Recovery Adjustment Factor	\$0.00000	Storm Recovery Adjustment Factor	\$0.00000
May 22 Default Service Charge	\$0.10570	May 22 Default Service Charge	\$0.10570
TOTAL	\$0.14227	TOTAL	\$0.14227
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		Total Difference	% Total Difference
						Proposed 6/1/22 w/o Step	Proposed 6/1/22 with Step		
57	48.2%	243	85,567			\$14,327.01	\$14,370.78	\$43.76	0.3%
58	51.0%	315	117,293			\$19,431.20	\$19,487.94	\$56.74	0.3%
59	33.1%	333	80,643			\$14,365.51	\$14,425.52	\$60.00	0.4%
60	31.4%	389	89,200			\$16,041.44	\$16,111.52	\$70.08	0.4%
61	45.3%	325	107,333			\$18,092.40	\$18,150.86	\$58.46	0.3%
62	23.2%	1,393	236,250		Yes	\$44,481.79	\$44,732.44	\$250.65	0.6%
63	21.5%	482	75,480			\$14,846.39	\$14,933.11	\$86.72	0.6%
64	41.2%	297	89,533			\$15,335.52	\$15,389.05	\$53.53	0.3%
65	47.8%	259	90,500			\$15,160.33	\$15,206.98	\$46.65	0.3%
66	41.3%	154	46,583			\$8,053.92	\$8,081.71	\$27.79	0.3%
67	7.5%	373	20,342			\$6,108.94	\$6,176.04	\$67.09	1.1%
68	44.8%	355	115,887			\$19,553.55	\$19,617.38	\$63.83	0.3%
69	55.6%	520	211,000			\$34,436.40	\$34,529.92	\$93.52	0.3%
70	32.0%	372	86,900			\$15,573.56	\$15,640.55	\$66.99	0.4%
71	51.4%	280	105,200			\$17,425.53	\$17,476.00	\$50.47	0.3%
72	48.5%	465	164,567			\$27,384.18	\$27,467.90	\$83.72	0.3%
73	54.1%	409	161,410			\$26,473.85	\$26,547.43	\$73.58	0.3%
74	38.3%	166	46,470			\$8,135.60	\$8,165.54	\$29.94	0.4%
75	76.1%	476	264,430			\$41,683.53	\$41,769.27	\$85.73	0.2%
76	55.2%	354	142,383			\$23,314.22	\$23,377.85	\$63.63	0.3%
77	49.6%	252	91,333			\$15,223.74	\$15,269.18	\$45.44	0.3%
78	33.0%	212	51,093			\$9,167.44	\$9,205.60	\$38.16	0.4%
79	51.3%	328	122,880			\$20,331.59	\$20,390.65	\$59.06	0.3%
80	58.8%	678	291,100			\$47,131.71	\$47,253.79	\$122.08	0.3%
81	12.5%	681	62,090			\$14,571.31	\$14,693.85	\$122.54	0.8%
82	33.0%	192	46,390			\$8,338.46	\$8,373.10	\$34.65	0.4%
83	52.5%	249	95,583			\$15,802.18	\$15,847.04	\$44.86	0.3%
84	12.6%	838	76,750			\$17,940.80	\$18,091.56	\$150.76	0.8%
85	61.7%	257	115,933			\$18,764.12	\$18,810.45	\$46.33	0.2%
86	17.5%	633	80,900			\$16,857.59	\$16,971.57	\$113.97	0.7%
87	4.7%	180	6,192	2		\$2,356.05	\$2,387.24	\$31.20	1.3%
88	21.1%	241	37,150			\$7,421.64	\$7,465.03	\$43.39	0.6%
89	60.6%	489	216,067			\$34,903.00	\$34,990.94	\$87.93	0.3%
90	56.2%	1,044	428,000			\$69,600.82	\$69,788.67	\$187.85	0.3%
91	26.8%	360	70,500			\$13,140.62	\$13,205.42	\$64.80	0.5%
92	17.5%	321	41,007			\$8,628.74	\$8,686.60	\$57.86	0.7%
93	39.4%	311	89,520			\$15,446.99	\$15,503.00	\$56.02	0.4%
94	67.4%	501	246,680			\$39,361.15	\$39,451.34	\$90.19	0.2%
95	25.8%	222	41,900			\$7,943.32	\$7,983.32	\$40.00	0.5%
96	64.7%	354	167,040			\$26,822.67	\$26,886.31	\$63.64	0.2%
97	42.0%	297	91,080			\$15,551.61	\$15,605.05	\$53.44	0.3%
98	20.0%	230	33,520			\$6,812.11	\$6,853.45	\$41.34	0.6%
99	11.0%	250	20,064			\$5,061.05	\$5,105.98	\$44.93	0.9%
100	21.8%	228	36,187			\$7,176.89	\$7,217.91	\$41.02	0.6%
101	47.6%	476	165,320			\$27,582.33	\$27,668.05	\$85.72	0.3%
102	55.4%	356	143,928			\$23,553.23	\$23,617.28	\$64.05	0.3%
103	37.7%	381	104,773	2	Yes	\$17,295.00	\$17,361.11	\$66.11	0.4%
104	34.6%	376	94,929	1	Yes	\$16,152.45	\$16,218.70	\$66.25	0.4%
105	70.3%	321	164,820			\$26,241.41	\$26,299.22	\$57.81	0.2%
106	33.7%	258	63,456			\$11,299.74	\$11,346.11	\$46.37	0.4%
107	19.7%	271	39,008			\$7,930.31	\$7,979.07	\$48.76	0.6%
108	54.3%	257	102,032			\$16,786.99	\$16,833.34	\$46.35	0.3%
109	42.3%	239	73,700			\$12,602.91	\$12,645.89	\$42.98	0.3%
110	48.6%	770	273,155	2	Yes	\$43,301.57	\$43,435.31	\$133.73	0.3%
111	37.3%	295	80,320			\$14,004.95	\$14,058.04	\$53.09	0.4%
112	40.2%	368	107,900			\$18,525.94	\$18,592.16	\$66.22	0.4%

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:		Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:	
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	\$8.19	Distribution Charge	\$8.37
Stranded Cost Charge	\$0.00	Stranded Cost Charge	\$0.00
TOTAL	\$8.19	TOTAL	\$8.37
	<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	\$0.00681	System Benefits Charge	\$0.00681
Storm Recovery Adjustment Factor	\$0.00000	Storm Recovery Adjustment Factor	\$0.00000
May 22 Default Service Charge	\$0.10570	May 22 Default Service Charge	\$0.10570
TOTAL	\$0.14227	TOTAL	\$0.14227
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		Total Difference	% Total Difference
						Proposed 6/1/22 w/o Step	Proposed 6/1/22 with Step		
113	51.3%	264	99,073	2	Yes	\$15,649.71	\$15,695.63	\$45.91	0.3%
114	30.6%	339	75,583			\$13,688.62	\$13,749.57	\$60.95	0.4%
115	61.0%	677	301,440			\$48,592.88	\$48,714.75	\$121.86	0.3%
116	74.4%	405	219,800			\$34,746.73	\$34,819.56	\$72.83	0.2%
117	61.5%	217	97,536			\$15,817.84	\$15,856.94	\$39.10	0.2%
118	28.4%	352	73,100			\$13,447.45	\$13,510.87	\$63.41	0.5%
119	48.2%	453	159,340			\$26,543.19	\$26,624.77	\$81.58	0.3%
120	43.9%	346	110,840			\$18,766.76	\$18,829.08	\$62.32	0.3%
121	51.2%	684	255,424	2		\$40,559.82	\$40,678.64	\$118.82	0.3%
122	40.9%	249	74,387			\$12,786.73	\$12,831.60	\$44.87	0.4%
123	20.1%	236	34,573			\$7,010.56	\$7,052.97	\$42.41	0.6%
124	9.8%	606	43,345	2	Yes	\$10,533.16	\$10,638.40	\$105.23	1.0%
125	18.9%	312	43,030			\$8,836.74	\$8,892.85	\$56.10	0.6%
126	60.0%	639	279,650			\$45,178.12	\$45,293.07	\$114.95	0.3%
127	52.4%	2,025	774,292	2	Yes	\$121,415.10	\$121,766.81	\$351.70	0.3%
128	61.2%	2,222	991,779	2	Yes	\$152,735.30	\$153,121.22	\$385.91	0.3%
129	42.8%	137	42,708			\$7,357.94	\$7,382.54	\$24.61	0.3%
130	48.5%	206	72,800			\$12,203.57	\$12,240.59	\$37.01	0.3%
131	27.1%	308	60,960			\$11,356.32	\$11,411.73	\$55.41	0.5%
132	32.2%	174	41,024			\$7,427.07	\$7,458.46	\$31.39	0.4%
133	48.5%	1,145	405,120			\$67,179.09	\$67,385.25	\$206.16	0.3%
134	16.0%	249	29,000			\$6,324.86	\$6,369.63	\$44.77	0.7%
135	48.6%	431	152,940			\$25,453.51	\$25,531.14	\$77.64	0.3%
136	31.7%	483	111,872			\$20,036.37	\$20,123.36	\$86.99	0.4%
137	44.2%	242	78,120			\$13,260.41	\$13,304.01	\$43.61	0.3%
138	61.1%	543	242,600			\$39,127.94	\$39,225.77	\$97.83	0.3%
139	48.8%	941	335,067			\$55,540.54	\$55,709.96	\$169.42	0.3%
140	80.1%	152	89,145			\$14,093.61	\$14,121.05	\$27.45	0.2%
141	54.2%	427	168,907			\$27,688.43	\$27,765.27	\$76.83	0.3%
142	36.7%	319	85,493			\$14,936.56	\$14,993.95	\$57.39	0.4%
143	26.8%	637	124,693			\$23,121.11	\$23,235.80	\$114.70	0.5%
144	55.0%	424	170,000			\$27,818.46	\$27,894.73	\$76.27	0.3%
145	45.1%	355	116,783			\$19,684.33	\$19,748.23	\$63.90	0.3%
146	25.7%	401	75,167			\$14,142.52	\$14,214.74	\$72.23	0.5%
147	58.8%	477	204,500			\$33,159.82	\$33,245.61	\$85.79	0.3%
148	27.0%	849	167,400			\$30,930.94	\$31,083.75	\$152.81	0.5%
149	70.7%	1,008	519,800			\$82,366.37	\$82,547.74	\$181.37	0.2%
150	55.6%	457	185,400			\$30,280.37	\$30,362.59	\$82.23	0.3%
151	42.1%	144	44,240			\$7,635.09	\$7,661.00	\$25.91	0.3%
152	6.3%	310	14,317			\$4,741.32	\$4,797.20	\$55.88	1.2%
153	61.1%	885	394,833			\$63,587.30	\$63,746.68	\$159.39	0.3%
154	51.7%	511	192,725			\$31,763.53	\$31,855.45	\$91.92	0.3%
155	45.8%	562	187,767			\$31,476.75	\$31,577.87	\$101.12	0.3%
156	26.2%	318	60,750			\$11,406.02	\$11,463.19	\$57.16	0.5%
157	48.6%	610	216,075			\$35,895.11	\$36,004.82	\$109.71	0.3%
158	10.9%	492	39,030			\$9,745.41	\$9,833.99	\$88.58	0.9%
159	68.6%	1,016	508,947	2	Yes	\$77,503.37	\$77,679.93	\$176.56	0.2%
160	36.0%	78	20,350			\$3,692.17	\$3,706.12	\$13.95	0.4%
161	3.4%	3,066	75,994	2		\$34,750.94	\$35,283.49	\$532.55	1.5%
162	3.9%	255	7,292			\$3,288.02	\$3,333.92	\$45.90	1.4%
163	58.2%	225	95,529			\$15,595.08	\$15,635.56	\$40.48	0.3%
164	58.8%	295	126,875			\$20,632.42	\$20,685.60	\$53.18	0.3%
165	42.2%	181	55,800			\$9,582.69	\$9,615.26	\$32.57	0.3%
166	2.3%	745	12,588	1	Yes	\$7,453.06	\$7,584.40	\$131.35	1.8%
167	34.5%	381	95,900			\$16,924.83	\$16,993.38	\$68.55	0.4%

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:		Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:	
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	\$8.19	Distribution Charge	\$8.37
Stranded Cost Charge	\$0.00	Stranded Cost Charge	\$0.00
TOTAL	\$8.19	TOTAL	\$8.37
	<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	\$0.00681	System Benefits Charge	\$0.00681
Storm Recovery Adjustment Factor	\$0.00000	Storm Recovery Adjustment Factor	\$0.00000
May 22 Default Service Charge	\$0.10570	May 22 Default Service Charge	\$0.10570
TOTAL	\$0.14227	TOTAL	\$0.14227
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 Proposed 6/1/22 w/o Step	Total Bill Using Rates Proposed 6/1/22 with Step	Total Difference	% Total Difference		
<u>Mercury Vapor:</u>											
1	100	3,500	ST	43	14.2%	\$19.33	\$19.33	\$0.00	0.0%		
2	175	7,000	ST	71	0.8%	\$24.98	\$24.98	\$0.00	0.0%		
3	250	11,000	ST	100	0.8%	\$30.28	\$30.28	\$0.00	0.0%		
4	400	20,000	ST	157	1.3%	\$37.70	\$37.70	\$0.00	0.0%		
5	1,000	60,000	ST	372	0.0%	\$73.24	\$73.24	\$0.00	0.0%		
6	250	11,000	FL	100	0.7%	\$31.28	\$31.28	\$0.00	0.0%		
7	400	20,000	FL	157	0.9%	\$42.02	\$42.02	\$0.00	0.0%		
8	1,000	60,000	FL	380	0.1%	\$74.79	\$74.79	\$0.00	0.0%		
9	100	3,500	PB	48	4.0%	\$19.69	\$19.69	\$0.00	0.0%		
10	175	7,000	PB	71	0.6%	\$23.90	\$23.90	\$0.00	0.0%		
<u>High Pressure Sodium:</u>											
11	50	4,000	ST	23	36.7%	\$16.73	\$16.73	\$0.00	0.0%		
12	100	9,500	ST	48	1.3%	\$21.98	\$21.98	\$0.00	0.0%		
13	150	16,000	ST	65	4.0%	\$25.72	\$25.72	\$0.00	0.0%		
14	250	30,000	ST	102	13.2%	\$32.82	\$32.82	\$0.00	0.0%		
15	400	50,000	ST	161	2.8%	\$45.75	\$45.75	\$0.00	0.0%		
16	1,000	140,000	ST	380	1.6%	\$92.01	\$92.01	\$0.00	0.0%		
17	150	16,000	FL	65	2.7%	\$26.72	\$26.72	\$0.00	0.0%		
18	250	30,000	FL	102	3.9%	\$34.86	\$34.86	\$0.00	0.0%		
19	400	50,000	FL	161	5.0%	\$46.26	\$46.26	\$0.00	0.0%		
20	1,000	140,000	FL	380	2.5%	\$92.39	\$92.39	\$0.00	0.0%		
21	50	4,000	PB	23	1.4%	\$16.44	\$16.44	\$0.00	0.0%		
22	100	9,500	PB	48	0.9%	\$20.90	\$20.90	\$0.00	0.0%		
<u>Metal Halide</u>											
23	175	8,800	ST	74	0.0%	\$26.89	\$26.89	\$0.00	0.0%		
24	1,000	86,000	FL	374	0.5%	\$74.01	\$74.01	\$0.00	0.0%		
<u>LED</u>											
25	35	3,000	AL	12	0.0%	\$15.00	\$15.00	\$0.00	0.0%		
26	47	4,000	AL	16	0.0%	\$16.73	\$16.73	\$0.00	0.0%		
27	30	3,300	ST	10	0.0%	\$15.03	\$15.03	\$0.00	0.0%		
28	50	5,000	ST	17	0.0%	\$17.94	\$17.94	\$0.00	0.0%		
29	100	11,000	ST	35	0.0%	\$21.81	\$21.81	\$0.00	0.0%		
30	120	18,000	ST	42	0.0%	\$25.00	\$25.00	\$0.00	0.0%		
31	140	18,000	ST	48	0.0%	\$31.03	\$31.03	\$0.00	0.0%		
32	260	31,000	ST	90	0.0%	\$54.23	\$54.23	\$0.00	0.0%		
33	70	10,000	FL	24	0.0%	\$21.38	\$21.38	\$0.00	0.0%		
34	90	10,000	FL	31	0.0%	\$25.61	\$25.61	\$0.00	0.0%		
35	110	15,000	FL	38	0.0%	\$30.24	\$30.24	\$0.00	0.0%		
36	370	46,000	FL	128	0.0%	\$59.56	\$59.56	\$0.00	0.0%		
Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:						Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:					
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		\$0.00681				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		\$0.13027			
Luminaire Charges:						Luminaire Charges:					
	<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	1	\$13.73	11 \$13.73	23 \$17.25	25 \$13.44		
2	\$15.73	12 \$15.73	24 \$25.29	26 \$14.65	2	\$15.73	12 \$15.73	24 \$25.29	26 \$14.65		
3	\$17.25	13 \$17.25		27 \$13.73	3	\$17.25	13 \$17.25		27 \$13.73		
4	\$17.25	14 \$19.53		28 \$15.73	4	\$17.25	14 \$19.53		28 \$15.73		
5	\$24.78	15 \$24.78		29 \$17.25	5	\$24.78	15 \$24.78		29 \$17.25		
6	\$18.25	16 \$42.51		30 \$19.53	6	\$18.25	16 \$42.51		30 \$19.53		
7	\$21.57	17 \$18.25		31 \$24.78	7	\$21.57	17 \$18.25		31 \$24.78		
8	\$25.29	18 \$21.57		32 \$42.51	8	\$25.29	18 \$21.57		32 \$42.51		
9	\$13.44	19 \$25.29		33 \$18.25	9	\$13.44	19 \$25.29		33 \$18.25		
10	\$14.65	20 \$42.89		34 \$21.57	10	\$14.65	20 \$42.89		34 \$21.57		
		21 \$13.44		35 \$25.29			21 \$13.44		35 \$25.29		
		22 \$14.65		36 \$42.89			22 \$14.65		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 Proposed 6/1/22 w/o Step	Total Bill Using Rates Proposed 6/1/22 with Step	Total Difference	% Total Difference
<u>CS LED</u>									
1	35	3,000	AL	12	0.0%	\$8.56	\$8.56	\$0.00	0.0%
2	47	4,000	AL	16	0.0%	\$10.29	\$10.29	\$0.00	0.0%
3	30	3,300	ST	10	0.0%	\$11.01	\$11.01	\$0.00	0.0%
4	50	5,000	ST	17	0.0%	\$14.13	\$14.13	\$0.00	0.0%
5	100	11,000	ST	35	0.0%	\$17.04	\$17.04	\$0.00	0.0%
6	120	18,000	ST	42	0.0%	\$20.23	\$20.23	\$0.00	0.0%
7	140	18,000	ST	48	0.0%	\$24.08	\$24.08	\$0.00	0.0%
8	260	31,000	ST	90	0.0%	\$45.28	\$45.28	\$0.00	0.0%
9	70	10,000	FL	24	0.0%	\$14.37	\$14.37	\$0.00	0.0%
10	90	10,000	FL	31	0.0%	\$18.60	\$18.60	\$0.00	0.0%
11	110	15,000	FL	38	0.0%	\$22.31	\$22.31	\$0.00	0.0%
12	370	46,000	FL	128	0.0%	\$43.67	\$43.67	\$0.00	0.0%

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:			Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:		
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	\$0.00681		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	\$0.13027	

<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