

UNITIL ENERGY SYSTEMS. INC.
CALCULATION OF THE STRANDED COST CHARGE
Effective August 1, 2023

Uniform per kWh Charge

1. (Over)/under Recovery - Beginning Balance August 1, 2023	(\$52,427)	Page 2 of 4
2. Estimated Total Costs (August 2023 - July 2024)	(\$56,920)	Page 2 of 4
3. Estimated Interest (August 2023 - July 2024)	<u>(\$2,234)</u>	Page 2 of 4
4. Costs to be Recovered (L.1 + L.2 + L.3)	(\$111,580)	
5. Estimated Calendar Month Deliveries in kWh (August 2023 - July 2024) (1)	<u>1,120,359,195</u>	
6. Stranded Cost Charge (\$/kWh) (L.4 / L.5)	(\$0.00010)	

Development of Class Stranded Cost Charge

Class D, D - Controlled Off Peak Water Heating, G2 - kWh meter,
G2 - Quick Recovery Water Heating, G2 - Space Heating,
G2 Controlled Off Peak Water Heating, OL

7. Stranded Cost Charge (\$/kWh) (L.6)	(\$0.00010)
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Class G2

8. Estimated G2 Demand Revenue (August 2023- July 2024)	\$0
9. Estimated G2 Deliveries in kW (August 2023- July 2024)	<u>1,254,217</u>
10. Stranded Cost Charge (\$/kW) (L. 8 / L. 9)	\$0.00
11. G2 Energy Revenue (August 2023- July 2024)	(\$30,839)
12. Estimated G2 Calendar Month Deliveries in kWh (August 2023- July 2024) (1)	<u>308,387,516</u>
13. Stranded Cost Charge (\$/kWh) (L.11 / L.12)	(\$0.00010)

Class G1

14. Estimated G1 Demand Revenue (August 2023- July 2024)	\$0
15. Estimated G1 Deliveries in kVA (August 2023- July 2024)	<u>1,002,209</u>
16. Stranded Cost Charge (\$/kVA) (L. 14 / L. 15)	\$0.00
17. G1 Energy Revenue (August 2023- July 2024)	(\$30,793)
18. Estimated G1 Calendar Month Deliveries in kWh (August 2023- July 2024) (1)	<u>307,932,201</u>
19. Stranded Cost Charge (\$/kWh) (L.17 / L.18)	(\$0.00010)

(1) Schedule LSM-2, page 1.
Total Company

Aug 2023-Jul 2024 Billed kWh	1,121,508,719
- July 2023 Unbilled kWh	(60,978,603)
+ July 2024 Unbilled kWh	<u>59,829,079</u>
Calendar Month Deliveries	1,120,359,195

Schedule LSM-1, page 3.

G2 Demand

Aug 2023-Jul 2024 Billed kWh	308,815,011
- July 2023 Unbilled kWh	(16,695,386)
+ July 2024 Unbilled kWh	<u>16,267,892</u>
Calendar Month Deliveries	308,387,516

Schedule LSM-1, page 3.

G1 Demand

Aug 2023-Jul 2024 Billed kWh	308,299,152
- July 2023 Unbilled kWh	(13,416,961)
+ July 2024 Unbilled kWh	<u>13,050,011</u>
Calendar Month Deliveries	307,932,201

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-21	Actual	\$27,550	\$0	(\$15,951)	\$43,501	\$35,525	3.25%	31	\$98	\$43,599
Sep-21	Actual	\$43,599	\$0	\$6,136	\$37,463	\$40,531	3.25%	30	\$108	\$37,571
Oct-21	Actual	\$37,571	\$0	(\$1,872)	\$39,443	\$38,507	3.25%	31	\$106	\$39,549
Nov-21	Actual	\$39,549	\$0	(\$1,769)	\$41,318	\$40,434	3.25%	30	\$108	\$41,426
Dec-21	Actual	\$41,426	\$0	(\$1,949)	\$43,375	\$42,401	3.25%	31	\$117	\$43,492
Jan-22	Actual	\$43,492	\$0	(\$2,117)	\$45,610	\$44,551	3.25%	31	\$123	\$45,733
Feb-22	Actual	\$45,733	\$0	(\$1,872)	\$47,605	\$46,669	3.25%	28	\$116	\$47,721
Mar-22	Actual	\$47,721	\$0	(\$1,800)	\$49,521	\$48,621	3.25%	31	\$134	\$49,655
Apr-22	Actual	\$49,655	\$0	(\$1,572)	\$51,227	\$50,441	3.25%	30	\$135	\$51,362
May-22	Actual	\$51,362	\$0	(\$1,588)	\$52,950	\$52,156	3.25%	31	\$144	\$53,094
Jun-22	Actual	\$53,094	\$0	(\$1,873)	\$54,967	\$54,031	3.25%	30	\$144	\$55,112
Jul-22	Actual	\$55,112	<u>\$0</u>	<u>(\$2,510)</u>	\$57,622	\$56,367	4.00%	31	<u>\$191</u>	\$57,814
Total Aug-21 to Jul-22			\$0	(\$28,738)					\$1,526	

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-22	Actual	\$57,814	\$0	\$2,627	\$55,187	\$56,500	4.00%	31	\$192	\$55,379
Sep-22	Actual	\$55,379	\$0	\$1,750	\$53,628	\$54,503	4.00%	30	\$179	\$53,808
Oct-22	Actual	\$53,808	\$0	\$1,738	\$52,069	\$52,938	5.50%	31	\$247	\$52,316
Nov-22	Actual	\$52,316	\$0	\$1,752	\$50,565	\$51,441	5.50%	30	\$233	\$50,797
Dec-22	Actual	\$50,797	\$0	\$1,824	\$48,973	\$49,885	5.50%	31	\$233	\$49,206
Jan-23	Actual	\$49,206	\$0	\$2,042	\$47,164	\$48,185	7.00%	31	\$286	\$47,451
Feb-23	Actual	\$47,451	\$0	\$1,803	\$45,648	\$46,549	7.00%	28	\$250	\$45,898
Mar-23	Actual	\$45,898	\$0	\$1,861	\$44,037	\$44,967	7.00%	31	\$267	\$44,304
Apr-23	Actual	\$44,304	\$0	\$1,629	\$42,675	\$43,490	7.75%	30	\$277	\$42,952
May-23	Estimate	\$42,952	(\$4,911)	\$1,782	\$36,260	\$39,606	7.75%	31	\$261	\$36,520
Jun-23	Estimate	\$36,520	(\$78,095)	\$1,779	(\$43,354)	(\$3,417)	7.75%	30	(\$22)	(\$43,376)
Jul-23	Estimate	(\$43,376)	<u>(\$6,249)</u>	<u>\$2,468</u>	(\$52,092)	(\$47,734)	8.25%	31	<u>(\$334)</u>	(\$52,427)
Total Aug-22 to Jul-23			(\$89,255)	\$23,055					\$2,069	

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-23	Estimate	(\$52,427)	(\$6,385)	(\$10,222)	(\$48,590)	(\$50,508)	8.25%	31	(\$354)	(\$48,944)
Sep-23	Estimate	(\$48,944)	(\$4,466)	(\$7,830)	(\$45,579)	(\$47,262)	8.25%	30	(\$320)	(\$45,900)
Oct-23	Estimate	(\$45,900)	(\$3,611)	(\$9,653)	(\$39,857)	(\$42,879)	8.25%	31	(\$300)	(\$40,158)
Nov-23	Estimate	(\$40,158)	(\$4,157)	(\$8,759)	(\$35,557)	(\$37,857)	8.25%	30	(\$257)	(\$35,813)
Dec-23	Estimate	(\$35,813)	(\$4,421)	(\$9,596)	(\$30,639)	(\$33,226)	8.25%	31	(\$233)	(\$30,871)
Jan-24	Estimate	(\$30,871)	(\$4,840)	(\$9,951)	(\$25,760)	(\$28,316)	8.25%	31	(\$198)	(\$25,958)
Feb-24	Estimate	(\$25,958)	(\$4,840)	(\$8,917)	(\$21,881)	(\$23,920)	8.25%	29	(\$156)	(\$22,038)
Mar-24	Estimate	(\$22,038)	(\$4,840)	(\$8,865)	(\$18,013)	(\$20,025)	8.25%	31	(\$140)	(\$18,153)
Apr-24	Estimate	(\$18,153)	(\$4,840)	(\$9,087)	(\$13,906)	(\$16,029)	8.25%	30	(\$108)	(\$14,014)
May-24	Estimate	(\$14,014)	(\$4,840)	(\$8,294)	(\$10,560)	(\$12,287)	8.25%	31	(\$86)	(\$10,646)
Jun-24	Estimate	(\$10,646)	(\$4,840)	(\$8,754)	(\$6,732)	(\$8,689)	8.25%	30	(\$59)	(\$6,791)
Jul-24	Estimate	(\$6,791)	<u>(\$4,840)</u>	<u>(\$12,115)</u>	\$484	(\$3,154)	8.25%	31	<u>(\$22)</u>	\$462
Total Aug-23 to Jul-24			(\$56,920)	(\$112,043)					(\$2,234)	

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		Total Billed kWh - all classes except G2 demand and G1	Unbilled Factor	Unbilled kWh (a * b)	SCC	Unbilled SCC Revenue (c * d)	Total Billed kWh - G2 demand	Unbilled Factor	Unbilled kWh (f * g)	SCC	Unbilled SCC Revenue (h * i)	Total Billed kWh - G1	Unbilled Factor	Unbilled kWh (k * l)	SCC	Unbilled SCC Revenue (m * n)	Reversal of prior month unbilled (prior month, e + j + o)	Total Billed SCC Revenue	Total Revenue (e + j + o + p + q)
Aug-21	Actual	51,795,784	57.1%	29,589,813	(\$0.00025)	(\$7,397)	30,836,474	54.3%	16,750,908	(\$0.00005)	(\$838)	30,963,896	49.3%	15,255,088	(\$0.00006)	(\$915)	\$6,704	(\$13,505)	(\$15,951.06)
Sep-21	Actual	50,441,178	31.1%	15,704,125	(\$0.00002)	(\$314)	30,075,755	34.9%	10,495,963	(\$0.00002)	(\$210)	31,233,773	41.7%	13,023,341	(\$0.00002)	(\$260)	\$9,150	(\$2,230)	\$6,136
Oct-21	Actual	35,381,525	54.1%	19,130,358	(\$0.00002)	(\$383)	24,595,882	54.1%	13,298,693	(\$0.00002)	(\$266)	26,570,782	54.1%	14,366,497	(\$0.00002)	(\$287)	\$784	(\$1,720)	(\$1,872)
Nov-21	Actual	35,412,616	67.1%	23,758,256	(\$0.00002)	(\$475)	23,169,763	61.5%	14,245,808	(\$0.00002)	(\$285)	24,643,173	58.7%	14,460,958	(\$0.00002)	(\$289)	\$936	(\$1,656)	(\$1,769)
Dec-21	Actual	45,534,693	54.9%	24,987,664	(\$0.00002)	(\$500)	26,183,031	52.9%	13,859,815	(\$0.00002)	(\$277)	26,229,003	51.8%	13,578,251	(\$0.00002)	(\$272)	\$1,049	(\$1,950)	(\$1,949)
Jan-22	Actual	52,910,255	51.7%	27,363,740	(\$0.00002)	(\$547)	28,639,295	49.4%	14,142,788	(\$0.00002)	(\$283)	26,241,532	47.3%	12,407,324	(\$0.00002)	(\$248)	\$1,049	(\$2,088)	(\$2,117)
Feb-22	Actual	48,939,498	45.2%	22,109,161	(\$0.00002)	(\$442)	27,846,903	46.3%	12,888,155	(\$0.00002)	(\$258)	25,990,364	46.9%	12,201,007	(\$0.00002)	(\$244)	\$1,078	(\$2,006)	(\$1,872)
Mar-22	Actual	44,444,753	40.2%	17,870,538	(\$0.00002)	(\$357)	27,130,129	43.3%	11,740,380	(\$0.00002)	(\$235)	26,228,654	44.9%	11,785,488	(\$0.00002)	(\$236)	\$944	(\$1,916)	(\$1,800)
Apr-22	Actual	35,959,936	47.6%	17,102,420	(\$0.00002)	(\$342)	24,069,207	48.8%	11,742,180	(\$0.00002)	(\$235)	24,425,385	49.4%	12,058,838	(\$0.00002)	(\$241)	\$828	(\$1,582)	(\$1,572)
May-22	Actual	34,785,366	48.0%	16,712,839	(\$0.00002)	(\$334)	24,568,601	48.0%	11,804,132	(\$0.00002)	(\$236)	25,732,657	48.0%	12,363,410	(\$0.00002)	(\$247)	\$818	(\$1,589)	(\$1,588)
Jun-22	Actual	39,303,314	51.7%	20,317,378	(\$0.00002)	(\$406)	26,514,147	48.2%	12,778,985	(\$0.00002)	(\$256)	28,252,964	45.0%	12,707,425	(\$0.00002)	(\$254)	\$818	(\$1,775)	(\$1,873)
Jul-22	Actual	49,095,322	65.5%	32,162,475	(\$0.00002)	(\$643)	30,155,355	57.5%	17,333,872	(\$0.00002)	(\$347)	29,356,375	46.0%	13,494,001	(\$0.00002)	(\$270)	\$916	(\$2,167)	(\$2,510)
Total Aug-21 to Jul-22		524,004,240		266,808,766		(\$12,142)	323,784,542		161,081,679		(\$3,724)	325,868,558		157,701,628		(\$3,764)	\$25,075	(\$34,183)	(\$28,738)

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		Total Billed kWh - all classes except G2 demand and G1	Unbilled Factor	Unbilled kWh (a * b)	SCC	Unbilled SCC Revenue (c * d)	Total Billed kWh - G2 demand	Unbilled Factor	Unbilled kWh (f * g)	SCC	Unbilled SCC Revenue (h * i)	Total Billed kWh - G1	Unbilled Factor	Unbilled kWh (k * l)	SCC	Unbilled SCC Revenue (m * n)	Reversal of prior month unbilled (prior month, e + j + o)	Total Billed SCC Revenue	Total Revenue (e + j + o + p + q)
Aug-22	Actual	60,721,763	39.1%	23,734,528	\$0.00002	\$475	33,901,498	41.6%	14,100,511	\$0.00002	\$282	32,469,634	46.2%	14,993,269	\$0.00002	\$300	\$1,260	\$311	\$2,627
Sep-22	Actual	45,358,584	28.2%	12,784,957	\$0.00002	\$256	29,347,452	35.1%	10,312,537	\$0.00002	\$206	29,690,676	44.0%	13,051,909	\$0.00002	\$261	(\$1,057)	\$2,084	\$1,750
Oct-22	Actual	32,949,210	51.4%	16,946,000	\$0.00002	\$339	23,994,770	51.4%	12,035,460	\$0.00002	\$241	25,213,654	51.4%	12,971,186	\$0.00002	\$259	(\$723)	\$1,622	\$1,738
Nov-22	Actual	33,106,990	65.0%	21,505,569	\$0.00002	\$430	23,086,097	57.4%	13,244,267	\$0.00002	\$265	25,193,812	54.2%	13,645,204	\$0.00002	\$273	(\$839)	\$1,623	\$1,752
Dec-22	Actual	41,599,675	54.8%	22,781,345	\$0.00002	\$456	24,810,555	52.5%	13,027,734	\$0.00002	\$261	24,876,662	51.3%	12,766,202	\$0.00002	\$255	(\$968)	\$1,821	\$1,824
Jan-23	Actual	48,455,980	51.1%	24,748,000	\$0.00002	\$495	27,917,662	50.6%	14,193,397	\$0.00002	\$284	25,920,706	50.6%	13,123,069	\$0.00002	\$262	(\$972)	\$1,972	\$2,042
Feb-23	Actual	45,597,268	42.9%	19,542,866	\$0.00002	\$391	27,699,859	42.9%	11,886,726	\$0.00002	\$238	26,286,240	42.9%	11,289,876	\$0.00002	\$226	(\$1,041)	\$1,990	\$1,803
Mar-23	Actual	42,723,953	41.5%	17,730,023	\$0.00002	\$355	26,909,777	43.0%	11,560,030	\$0.00002	\$231	25,648,820	43.9%	11,271,454	\$0.00002	\$225	(\$854)	\$1,905	\$1,861
Apr-23	Actual	35,029,078	44.2%	15,484,024	\$0.00002	\$310	23,964,411	46.6%	11,171,808	\$0.00002	\$223	24,404,748	48.1%	11,729,221	\$0.00002	\$235	(\$811)	\$1,672	\$1,629
May-23	Estimate	35,420,403	48.0%	17,017,946	\$0.00002	\$340	24,735,641	48.0%	11,884,388	\$0.00002	\$238	25,947,440	48.0%	12,466,604	\$0.00002	\$249	(\$768)	\$1,722	\$1,782
Jun-23	Estimate	36,042,227	51.7%	18,631,598	\$0.00002	\$373	25,200,979	48.2%	12,146,079	\$0.00002	\$243	26,422,232	45.0%	11,884,011	\$0.00002	\$238	(\$827)	\$1,753	\$1,779
Jul-23	Estimate	46,942,878	65.5%	30,752,403	\$0.00002	\$615	29,044,596	57.5%	16,695,386	\$0.00002	\$334	29,188,775	46.0%	13,416,961	\$0.00002	\$268	(\$853)	\$2,104	\$2,468
Total Aug-22 to Jul-23		503,948,009		241,659,259		\$4,833	320,013,298		152,258,323		\$3,045	321,263,398		152,608,966		\$3,052	(\$8,453)	\$20,578	\$23,055

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		Total Billed kWh - all classes except G2 demand and G1	Unbilled Factor	Unbilled kWh (a * b)	Proposed SCC	Unbilled SCC Revenue (c * d)	Total Billed kWh - G2 demand	Unbilled Factor	Unbilled kWh (f * g)	Proposed SCC	Unbilled SCC Revenue (h * i)	Total Billed kWh - G1	Unbilled Factor	Unbilled kWh (k * l)	Proposed SCC	Unbilled SCC Revenue (m * n)	Reversal of prior month unbilled (prior month, e + j + o)	Total Billed SCC Revenue	Total Revenue (e + j + o + p + q)
Aug-23	Estimate	53,643,917	39.1%	20,967,986	(\$0.00010)	(\$2,097)	31,013,838	41.6%	12,899,458	(\$0.00010)	(\$1,290)	30,481,110	46.2%	14,075,043	(\$0.00010)	(\$1,408)	(\$1,217)	(\$4,210)	(\$10,222)
Sep-23	Estimate	41,195,436	28.2%	11,611,515	(\$0.00010)	(\$1,161)	25,984,506	35.1%	9,130,816	(\$0.00010)	(\$913)	26,619,997	44.0%	11,702,050	(\$0.00010)	(\$1,170)	\$4,794	(\$9,380)	(\$7,830)
Oct-23	Estimate	35,579,158	51.4%	18,298,600	(\$0.00010)	(\$1,830)	24,054,965	51.4%	12,375,097	(\$0.00010)	(\$1,238)	25,533,742	51.4%	13,135,856	(\$0.00010)	(\$1,314)	\$3,244	(\$8,517)	(\$9,653)
Nov-23	Estimate	36,312,582	65.0%	23,587,851	(\$0.00010)	(\$2,359)	22,745,972	57.4%	13,049,141	(\$0.00010)	(\$1,305)	23,157,869	54.2%	12,542,518	(\$0.00010)	(\$1,254)	\$4,381	(\$8,222)	(\$8,759)
Dec-23	Estimate	44,113,708	54.8%	24,158,112	(\$0.00010)	(\$2,416)	25,723,359	52.5%	13,507,037	(\$0.00010)	(\$1,351)	24,872,803	51.3%	12,764,221	(\$0.00010)	(\$1,276)	\$4,918	(\$9,471)	(\$9,596)
Jan-24	Estimate	47,654,200	51.1%	24,338,505	(\$0.00010)	(\$2,434)	26,652,512	50.8%	13,550,192	(\$0.00010)	(\$1,355)	25,058,909	50.6%	12,686,761	(\$0.00010)	(\$1,269)	\$5,043	(\$9,937)	(\$9,951)
Feb-24	Estimate	47,296,309	42.9%	20,271,070	(\$0.00010)	(\$2,027)	26,163,937	42.9%	11,227,622	(\$0.00010)	(\$1,123)	24,332,512	42.9%	10,450,755	(\$0.00010)	(\$1,045)	\$5,058	(\$9,779)	(\$8,917)
Mar-24	Estimate	42,193,870	41.5%	17,510,043	(\$0.00010)	(\$1,751)	25,009,182	43.0%	10,743,563	(\$0.00010)	(\$1,074)	24,413,771	43.9%	10,728,708	(\$0.00010)	(\$1,073)	\$4,195	(\$9,162)	(\$8,865)
Apr-24	Estimate	39,430,719	44.2%	17,429,696	(\$0.00010)	(\$1,743)	24,774,157	46.6%	11,549,298	(\$0.00010)	(\$1,155)	24,614,337	48.1%	11,902,044	(\$0.00010)	(\$1,190)	\$3,898	(\$8,897)	(\$9,087)
May-24	Estimate	34,784,458	48.0%	16,712,402	(\$0.00010)	(\$1,671)	23,863,977	48.0%	11,465,591	(\$0.00010)	(\$1,147)	24,989,573	48.0%	12,006,391	(\$0.00010)	(\$1,201)	\$4,088	(\$8,364)	(\$8,294)
Jun-24	Estimate	35,688,019	51.7%	18,448,494	(\$0.00010)	(\$1,845)	24,527,714	48.2%	11,821,587	(\$0.00010)	(\$1,182)	25,684,059	45.0%	11,552,001	(\$0.00010)	(\$1,155)	\$4,018	(\$8,590)	(\$8,754)
Jul-24	Estimate	46,502,180	65.5%	30,463,701	(\$0.00010)	(\$3,046)	28,300,893	57.5%	16,267,892	(\$0.00010)	(\$1,627)	28,390,469	46.0%	13,050,011	(\$0.00010)	(\$1,305)	\$4,182	(\$10,319)	(\$12,115)
Total Aug-23 to Jul-24		504,394,556		243,797,977		(\$24,380)	308,815,011		147,587,294		(\$14,759)	308,299,152		146,596,358		(\$14,660)	\$46,603	(\$104,847)	(\$112,043)

(1) Actual Per billing system.

(2) Detail of Unbilled Factors shown on page 4.

Detail of Unbilled Factors for Residential and Outdoor Lighting
Classes for use in all classes except G2 demand and G1
(column b, Page 3)

Detail of Unbilled Factors for Regular General Class for
use in G2 demand class (column g, Page 3)

Detail of Unbilled Factors for Large General Class for
use in G1 class (column i, Page 3)

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Aug-21	51,480,650	29,409,783	57.1%
Sep-21	50,127,186	15,606,368	31.1%
Oct-21	35,172,995	19,017,608	54.1%
Nov-21	35,140,235	23,575,516	67.1%
Dec-21	45,032,709	24,712,195	54.9%
Jan-22	52,245,830	27,020,118	51.7%
Feb-22	48,176,397	21,764,418	45.2%
Mar-22	43,826,565	17,621,974	40.2%
Apr-22	35,556,784	16,910,683	47.6%
May-22	34,502,943	16,577,147	48.0%
Jun-22	39,076,070	20,199,906	51.7%
Jul-22	48,814,149	31,978,278	65.5%
Aug-22	60,343,605	23,586,716	39.1%
Sep-22	45,083,544	12,707,434	28.2%
Oct-22	32,748,141	16,842,589	51.4%
Nov-22	32,876,578	21,355,898	65.0%
Dec-22	41,152,161	22,536,272	54.8%
Jan-23	47,844,364	24,435,628	51.1%
Feb-23	44,945,439	19,263,494	42.9%
Mar-23	42,129,983	17,483,531	41.5%
Apr-23	34,620,521	15,303,428	44.2%

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Aug-21	31,151,608	16,922,094	54.3%
Sep-21	30,389,747	10,605,541	34.9%
Oct-21	24,804,412	13,411,442	54.1%
Nov-21	23,442,144	14,413,280	61.5%
Dec-21	26,685,015	14,125,537	52.9%
Jan-22	29,303,720	14,470,897	49.4%
Feb-22	28,610,004	13,241,334	46.3%
Mar-22	27,748,317	12,007,897	43.3%
Apr-22	24,472,359	11,938,858	48.8%
May-22	24,851,024	11,939,824	48.0%
Jun-22	26,741,391	12,888,509	48.2%
Jul-22	30,436,528	17,495,496	57.5%
Aug-22	34,279,656	14,257,796	41.6%
Sep-22	29,622,492	10,409,184	35.1%
Oct-22	23,595,839	12,138,900	51.4%
Nov-22	23,316,509	13,376,452	57.4%
Dec-22	25,258,069	13,262,718	52.5%
Jan-23	28,529,278	14,504,344	50.8%
Feb-23	28,351,688	12,166,442	42.9%
Mar-23	27,503,747	11,815,191	43.0%
Apr-23	24,372,968	11,362,270	46.6%

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Aug-21	30,963,896	15,255,088	49.3%
Sep-21	31,233,773	13,023,341	41.7%
Oct-21	26,570,782	14,366,497	54.1%
Nov-21	24,643,173	14,460,958	58.7%
Dec-21	26,229,003	13,578,251	51.8%
Jan-22	26,241,532	12,407,324	47.3%
Feb-22	25,990,364	12,201,007	46.9%
Mar-22	26,228,654	11,785,488	44.9%
Apr-22	24,425,385	12,058,838	49.4%
May-22	25,732,657	12,363,410	48.0%
Jun-22	28,252,964	12,707,425	45.0%
Jul-22	29,356,375	13,494,001	46.0%
Aug-22	32,469,634	14,993,269	46.2%
Sep-22	29,690,676	13,051,909	44.0%
Oct-22	25,213,654	12,971,186	51.4%
Nov-22	25,193,812	13,645,204	54.2%
Dec-22	24,876,662	12,766,202	51.3%
Jan-23	25,920,706	13,123,069	50.6%
Feb-23	26,286,240	11,289,876	42.9%
Mar-23	25,648,820	11,271,454	43.9%
Apr-23	24,404,748	11,729,221	48.1%

UNITIL ENERGY SYSTEMS. INC.
CALCULATION OF THE EXTERNAL DELIVERY CHARGE
Effective August 1, 2023

	<u>Calculation of the EDC</u>	<u>Calculation of the EDC/Transmission Only</u>	<u>Calculation of the EDC/Non-Transmission</u>	
1. (Over)/under Recovery - Beginning Balance August 1, 2023	\$7,173,720	(\$3,864,525)	\$11,038,245	Page 4
2. Estimated Total Costs (August 2023 - July 2024)	\$45,897,018	\$38,639,323	\$7,257,696	Page 4
3. Estimated Wholesale and Wheeling Revenue (August 2023 - July 2024)	\$3,141,206	\$0	\$3,141,206	Page 5
4. Estimated Interest (August 2023 - July 2024)	<u>\$324,758</u>	<u>(\$152,580)</u>	<u>\$477,338</u>	Page 4
5. Costs to be Recovered (L.1 + L.2 - L.3 + L. 4)	\$50,254,291	\$34,622,218	\$15,632,072	
6. Estimated Calendar Month Deliveries in kWh (August 2023 - July 2024) (1)	<u>1,120,359,195</u>	<u>1,120,359,195</u>	<u>1,120,359,195</u>	
7. External Delivery Charge (\$/kWh) (L. 5 / L. 6)	\$0.04486	\$0.03090	\$0.01396	
(1) Schedule LSM-2, page 5. August 2023 - July 2024 Billed kWh	1,121,508,719			
- July 2023 Unbilled kWh	(60,978,603)			
+ July 2024 Unbilled kWh	<u>59,829,079</u>			
Calendar Month Deliveries	1,120,359,195			

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Transmission Costs Only		Beginning Balance	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-21	Actual	(\$785,477)	\$4,203,258	\$4,422,491	(\$1,004,711)	(\$895,094)	3.25%	31	(\$2,471)	(\$1,007,181)
Sep-21	Actual	(\$1,007,181)	\$3,245,368	\$2,374,190	(\$136,003)	(\$571,592)	3.25%	30	(\$1,527)	(\$137,530)
Oct-21	Actual	(\$137,530)	\$2,525,439	\$2,929,628	(\$541,719)	(\$339,624)	3.25%	31	(\$937)	(\$542,656)
Nov-21	Actual	(\$542,656)	\$1,445,717	\$2,766,984	(\$1,863,923)	(\$1,203,290)	3.25%	30	(\$3,214)	(\$1,867,137)
Dec-21	Actual	(\$1,867,137)	\$2,284,551	\$3,047,860	(\$2,630,445)	(\$2,248,791)	3.25%	31	(\$6,207)	(\$2,636,653)
Jan-22	Actual	(\$2,636,653)	\$2,917,273	\$3,401,833	(\$3,121,213)	(\$2,878,933)	3.25%	31	(\$7,947)	(\$3,129,159)
Feb-22	Actual	(\$3,129,159)	\$2,992,322	\$2,991,108	(\$3,127,945)	(\$3,128,552)	3.25%	28	(\$7,800)	(\$3,135,745)
Mar-22	Actual	(\$3,135,745)	\$2,825,437	\$2,864,353	(\$3,174,661)	(\$3,155,203)	3.25%	31	(\$8,709)	(\$3,183,370)
Apr-22	Actual	(\$3,183,370)	\$2,392,846	\$2,613,310	(\$3,403,834)	(\$3,293,602)	3.25%	30	(\$8,798)	(\$3,412,632)
May-22	Actual	(\$3,412,632)	\$2,942,852	\$2,647,904	(\$3,117,684)	(\$3,265,158)	3.25%	31	(\$9,013)	(\$3,126,697)
Jun-22	Actual	(\$3,126,697)	(\$65,559)	\$3,081,486	(\$6,273,742)	(\$4,700,219)	3.25%	30	(\$12,555)	(\$6,286,297)
Jul-22	Actual	(\$6,286,297)	<u>\$3,240,688</u>	<u>\$3,915,431</u>	(\$6,961,040)	(\$6,623,669)	4.00%	31	<u>(\$22,502)</u>	(\$6,983,543)
Total Aug-21 to Jul-22			\$30,950,194	\$37,056,578					(\$91,681)	

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
All Remaining EDC Costs (Non-Transmission)		Beginning Balance	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-21	Actual	(\$800,516)(1)	\$375,879	(\$192,066)	(\$232,571)	(\$516,543)	3.25%	31	\$404 (1)	(\$232,167)
Sep-21	Actual	(\$232,167)	\$44,308	(\$103,226)	(\$84,632)	(\$158,400)	3.25%	30	(\$423)	(\$85,056)
Oct-21	Actual	(\$85,056)	(\$671,605)	(\$127,277)	(\$629,384)	(\$357,220)	3.25%	31	(\$986)	(\$630,370)
Nov-21	Actual	(\$630,370)	\$30,136	(\$120,234)	(\$480,000)	(\$555,185)	3.25%	30	(\$1,471)(2)	(\$481,472)
Dec-21	Actual	(\$481,472)	\$78,949	(\$132,361)	(\$270,162)	(\$375,817)	3.25%	31	(\$1,037)	(\$271,199)
Jan-22	Actual	(\$271,199)	(\$1,175,418)	(\$147,570)	(\$1,299,048)	(\$785,123)	3.25%	31	(\$2,167)	(\$1,301,215)
Feb-22	Actual	(\$1,301,215)	\$59,904	(\$129,905)	(\$1,111,406)	(\$1,206,310)	3.25%	28	(\$3,008)	(\$1,114,413)
Mar-22	Actual	(\$1,114,413)	\$83,492	(\$124,539)	(\$906,382)	(\$1,010,398)	3.25%	31	(\$2,789)	(\$909,171)
Apr-22	Actual	(\$909,171)	(\$1,092,276)	(\$113,652)	(\$1,887,796)	(\$1,398,484)	3.25%	30	(\$3,736)	(\$1,891,531)
May-22	Actual	(\$2,108,261)(3)	(\$30,780)	(\$115,160)	(\$2,023,881)	(\$2,066,071)	3.25%	31	(\$9,473)(4)	(\$2,033,354)
Jun-22	Actual	(\$2,033,354)	\$80,566	(\$156,637)	(\$1,796,151)	(\$1,914,753)	3.25%	30	(\$5,115)	(\$1,801,266)
Jul-22	Actual	(\$1,801,266)	<u>(\$1,048,031)</u>	<u>(\$65,976)</u>	(\$2,783,320)	(\$2,292,293)	4.00%	31	<u>(\$7,788)</u>	(\$2,791,108)
Total Aug-21 to Jul-22			(\$3,264,876)	(\$1,528,602)					(\$37,588)	

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Total External Delivery Charge		Beginning Balance	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-21	Actual	(\$1,585,994)(1)	\$4,579,137	\$4,230,425	(\$1,237,281)	(\$1,411,637)	3.25%	31	(\$2,067)(1)	(\$1,239,348)
Sep-21	Actual	(\$1,239,348)	\$3,289,677	\$2,270,964	(\$220,636)	(\$729,992)	3.25%	30	(\$1,950)	(\$222,586)
Oct-21	Actual	(\$222,586)	\$1,853,834	\$2,802,351	(\$1,171,103)	(\$696,844)	3.25%	31	(\$1,923)	(\$1,173,026)
Nov-21	Actual	(\$1,173,026)	\$1,475,853	\$2,646,750	(\$2,343,923)	(\$1,758,475)	3.25%	30	(\$4,686)(2)	(\$2,348,609)
Dec-21	Actual	(\$2,348,609)	\$2,363,501	\$2,915,499	(\$2,900,607)	(\$2,624,608)	3.25%	31	(\$7,245)	(\$2,907,852)
Jan-22	Actual	(\$2,907,852)	\$1,741,855	\$3,254,263	(\$4,420,260)	(\$3,664,056)	3.25%	31	(\$10,114)	(\$4,430,374)
Feb-22	Actual	(\$4,430,374)	\$3,052,226	\$2,861,203	(\$4,239,351)	(\$4,334,863)	3.25%	28	(\$10,807)	(\$4,250,158)
Mar-22	Actual	(\$4,250,158)	\$2,908,929	\$2,739,814	(\$4,081,043)	(\$4,165,601)	3.25%	31	(\$11,498)	(\$4,092,542)
Apr-22	Actual	(\$4,092,542)	\$1,300,570	\$2,499,658	(\$5,291,630)	(\$4,692,086)	3.25%	30	(\$12,534)	(\$5,304,163)
May-22	Actual	(\$5,520,893)(3)	\$2,912,072	\$2,532,745	(\$5,141,566)	(\$5,331,229)	3.25%	31	(\$18,486)(4)	(\$5,160,051)
Jun-22	Actual	(\$5,160,051)	\$15,007	\$2,924,849	(\$8,069,893)	(\$6,614,972)	3.25%	30	(\$17,670)	(\$8,087,563)
Jul-22	Actual	(\$8,087,563)	<u>\$2,192,657</u>	<u>\$3,849,455</u>	(\$9,744,361)	(\$8,915,962)	4.00%	31	<u>(\$30,290)</u>	(\$9,774,650)
Total Aug-21 to Jul-22			\$27,685,318	\$35,527,976					(\$129,269)	

(1) Beginning balance includes VMP/REP reconciliation of (\$179,614) as filed in DE 20-183 effective May 1, 2021, plus property tax reconciliation of \$173,418 as filed in DE 21-069 effective January 1, 2021, plus associated interest adjustment of \$1,829.80.

(2) Includes \$11.69 associated with reclass of \$4,299.72 moved to Consulting Outside Service Charges (UES) & OCA Consultant Expense.

(3) Includes (\$216,729.92), for the period June 1 to December 31, 2021, to reflect the increase in funding in base rates associated with the NHPUC Assessment.

(4) Includes (\$3,770.05) associated with NHPUC assessment adjustments of (\$216,729.92) for June-December 2021 and (\$123,846.32) for January-April 2022.

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Transmission Costs Only		Beginning Balance	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-22	Actual	(\$6,983,543)	\$4,436,125	\$3,367,490	(\$5,914,907)	(\$6,449,225)	4.00%	31	(\$21,910)	(\$5,936,817)
Sep-22	Actual	(\$5,936,817)	\$3,175,993	\$2,552,046	(\$5,312,870)	(\$5,624,844)	4.00%	30	(\$18,493)	(\$5,331,363)
Oct-22	Actual	(\$5,331,363)	\$2,363,065	\$2,540,793	(\$5,509,092)	(\$5,420,227)	5.50%	31	(\$25,319)	(\$5,534,411)
Nov-22	Actual	(\$5,534,411)	\$2,293,491	\$2,554,373	(\$5,795,292)	(\$5,664,851)	5.50%	30	(\$25,608)	(\$5,820,900)
Dec-22	Actual	(\$5,820,900)	\$2,717,453	\$2,660,834	(\$5,764,281)	(\$5,792,591)	5.50%	31	(\$27,059)	(\$5,791,340)
Jan-23	Actual	(\$5,791,340)	\$2,631,857	\$3,077,365	(\$6,236,847)	(\$6,014,094)	7.00%	31	(\$35,755)	(\$6,272,602)
Feb-23	Actual	(\$6,272,602)	\$3,105,287	\$2,623,743	(\$5,791,058)	(\$6,031,830)	7.00%	28	(\$32,390)	(\$5,823,448)
Mar-23	Actual	(\$5,823,448)	\$2,665,453	\$2,708,677	(\$5,866,672)	(\$5,845,060)	7.00%	31	(\$34,750)	(\$5,901,422)
Apr-23	Actual	(\$5,901,422)	\$2,454,937	\$2,361,968	(\$5,808,453)	(\$5,854,937)	7.75%	30	(\$37,295)	(\$5,845,748)
May-23	Estimate	(\$5,845,748)	\$3,060,976	\$2,591,265	(\$5,376,037)	(\$5,610,893)	7.75%	31	(\$36,932)	(\$5,412,969)
Jun-23	Estimate	(\$5,412,969)	\$3,717,387	\$2,588,286	(\$4,283,868)	(\$4,848,419)	7.75%	30	(\$30,884)	(\$4,314,752)
Jul-23	Estimate	(\$4,314,752)	<u>\$4,070,706</u>	<u>\$3,591,924</u>	(\$3,835,969)	(\$4,075,361)	8.25%	31	<u>(\$28,555)</u>	(\$3,864,525)
Total Aug-22 to Jul-23			\$36,692,731	\$33,218,763					(\$354,950)	
All Remaining EDC Costs (Non-Transmission)		Beginning Balance	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-22	Actual	(\$867,700)(1)	\$1,008,333	(\$421,071)	\$561,705	(\$152,997)	4.00%	31	\$1,468 (2)	\$563,173
Sep-22	Actual	\$563,173	\$54,257	(\$319,705)	\$937,136	\$750,154	4.00%	30	\$2,466	\$939,602
Oct-22	Actual	\$939,602	(\$1,016,302)	(\$291,440)	\$214,741	\$577,171	5.50%	31	\$2,696	\$217,437
Nov-22	Actual	\$217,437	\$213,237	(\$208,113)	\$638,787	\$428,112	5.50%	30	\$1,935	\$640,722
Dec-22	Actual	\$640,722	\$197,592	\$105,136	\$733,177	\$686,950	5.50%	31	\$3,209	\$736,386
Jan-23	Actual	\$736,386	\$1,607,730	\$213,608	\$2,130,509	\$1,433,447	7.00%	31	\$8,522	\$2,139,031
Feb-23	Actual	\$2,139,031	\$1,048,341	(\$165,822)	\$3,353,194	\$2,746,112	7.00%	28	\$14,746	\$3,367,940
Mar-23	Actual	\$3,367,940	\$1,455,439	(\$81,002)	\$4,904,382	\$4,136,161	7.00%	31	\$24,590	\$4,928,972
Apr-23	Actual	\$4,928,972	\$545,984	(\$132,539)	\$5,607,495	\$5,268,234	7.75%	30	\$33,558	\$5,641,053
May-23	Estimate	\$5,641,053	\$1,536,972	(\$206,488)	\$7,384,513	\$6,512,783	7.75%	31	\$42,868	\$7,427,382
Jun-23	Estimate	\$7,427,382	\$1,423,531	(\$214,476)	\$9,065,389	\$8,246,385	7.75%	30	\$52,528	\$9,117,917
Jul-23	Estimate	\$9,117,917	<u>\$471,062</u>	<u>(\$338,991)</u>	\$9,927,970	\$9,522,943	8.25%	31	<u>\$66,726</u>	\$9,994,696
Total Aug-22 to Jul-23			\$8,546,177	(\$2,060,904)					\$255,314	
Total External Delivery Charge		Beginning Balance	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-22	Actual	(\$7,851,242)(1)	\$5,444,458	\$2,946,418	(\$5,353,203)	(\$6,602,222)	4.00%	31	(\$20,441)(2)	(\$5,373,644)
Sep-22	Actual	(\$5,373,644)	\$3,230,250	\$2,232,341	(\$4,375,735)	(\$4,874,689)	4.00%	30	(\$16,026)	(\$4,391,761)
Oct-22	Actual	(\$4,391,761)	\$1,346,763	\$2,249,353	(\$5,294,351)	(\$4,843,056)	5.50%	31	(\$22,623)	(\$5,316,974)
Nov-22	Actual	(\$5,316,974)	\$2,506,728	\$2,346,260	(\$5,156,505)	(\$5,236,740)	5.50%	30	(\$23,673)	(\$5,180,178)
Dec-22	Actual	(\$5,180,178)	\$2,915,045	\$2,765,971	(\$5,031,104)	(\$5,105,641)	5.50%	31	(\$23,850)	(\$5,054,954)
Jan-23	Actual	(\$5,054,954)	\$4,239,587	\$3,290,973	(\$4,106,339)	(\$4,580,646)	7.00%	31	(\$27,233)	(\$4,133,572)
Feb-23	Actual	(\$4,133,572)	\$4,153,629	\$2,457,921	(\$2,437,864)	(\$3,285,718)	7.00%	28	(\$17,644)	(\$2,455,507)
Mar-23	Actual	(\$2,455,507)	\$4,120,892	\$2,627,675	(\$962,290)	(\$1,708,899)	7.00%	31	(\$10,160)	(\$972,450)
Apr-23	Actual	(\$972,450)	\$3,000,921	\$2,229,429	(\$200,958)	(\$586,704)	7.75%	30	(\$3,737)	(\$204,695)
May-23	Estimate	(\$204,695)	\$4,597,947	\$2,384,776	\$2,008,476	\$901,891	7.75%	31	\$5,936	\$2,014,413
Jun-23	Estimate	\$2,014,413	\$5,140,917	\$2,373,810	\$4,781,520	\$3,397,966	7.75%	30	\$21,645	\$4,803,165
Jul-23	Estimate	\$4,803,165	<u>\$4,541,768</u>	<u>\$3,252,933</u>	\$6,092,001	\$5,447,583	8.25%	31	<u>\$38,170</u>	\$6,130,171
Total Aug-22 to Jul-23			\$45,238,908	\$31,157,859					(\$99,636)	

(1) Beginning balance includes the following items:

(\$72,410)	Actual July 31, 2022 SRAF balance
\$103,973	Property tax reconciliation effective January 1, 2022, as shown on Schedule DTN-1 of DE 22-038.
\$73,160	Deferred Matter Communications (formerly Calypso) storm charges, per DE 21-030
\$1,431,728	Recoupment of revenues, per DE 21-030
<u>\$386,957</u>	COVID-19 related costs relating to waived late payment fees from calendar year 2020, per DE 21-030
\$1,923,408	

(2) Includes \$1,988.14 to adjust interest associated with property tax adjustment effective January 1, 2022, inclusion of group costs and net meter costs prior to the advent of alternative net metering effective June 1, 2022, adjustment to the EDC Portion of the annual PUC Assessment as a result of DE 21-030, and associated adjustments to working capital.

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Transmission Costs Only		Beginning Balance	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-23	Estimate	(\$3,864,525)	\$3,967,426	\$3,152,655	(\$3,049,753)	(\$3,457,139)	8.25%	31	(\$24,224)	(\$3,073,977)
Sep-23	Estimate	(\$3,073,977)	\$3,466,829	\$2,423,481	(\$2,030,628)	(\$2,552,303)	8.25%	30	(\$17,307)	(\$2,047,935)
Oct-23	Estimate	(\$2,047,935)	\$2,682,725	\$2,981,430	(\$2,346,639)	(\$2,197,287)	8.25%	31	(\$15,396)	(\$2,362,036)
Nov-23	Estimate	(\$2,362,036)	\$2,861,254	\$2,696,900	(\$2,197,681)	(\$2,279,858)	8.25%	30	(\$15,459)	(\$2,213,140)
Dec-23	Estimate	(\$2,213,140)	\$3,197,778	\$2,973,527	(\$1,988,890)	(\$2,101,015)	8.25%	31	(\$14,722)	(\$2,003,611)
Jan-24	Estimate	(\$2,003,611)	\$3,211,020	\$3,076,334	(\$1,868,925)	(\$1,936,268)	8.25%	31	(\$13,530)	(\$1,882,455)
Feb-24	Estimate	(\$1,882,455)	\$2,958,136	\$2,754,855	(\$1,679,174)	(\$1,780,815)	8.25%	29	(\$11,641)	(\$1,690,815)
Mar-24	Estimate	(\$1,690,815)	\$2,863,144	\$2,740,042	(\$1,567,714)	(\$1,629,264)	8.25%	31	(\$11,385)	(\$1,579,099)
Apr-24	Estimate	(\$1,579,099)	\$2,594,649	\$2,809,414	(\$1,793,863)	(\$1,686,481)	8.25%	30	(\$11,404)	(\$1,805,268)
May-24	Estimate	(\$1,805,268)	\$3,054,372	\$2,560,458	(\$1,311,353)	(\$1,558,311)	8.25%	31	(\$10,889)	(\$1,322,242)
Jun-24	Estimate	(\$1,322,242)	\$3,714,629	\$2,704,814	(\$312,428)	(\$817,335)	8.25%	30	(\$5,527)	(\$317,955)
Jul-24	Estimate	(\$317,955)	<u>\$4,067,361</u>	<u>\$3,745,191</u>	\$4,215	(\$156,870)	8.25%	31	<u>(\$1,096)</u>	\$3,119
Total Aug-23 to Jul-24			\$38,639,323	\$34,619,099					(\$152,580)	

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
All Remaining EDC Costs (Non-Transmission)		Beginning Balance	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-23	Estimate	\$11,038,245 (1)	\$943,374	\$1,487,204	\$10,494,414	\$10,766,330	8.25%	31	\$75,438	\$10,569,852
Sep-23	Estimate	\$10,569,852	\$793,065	\$1,135,088	\$10,227,829	\$10,398,841	8.25%	30	\$70,513	\$10,298,342
Oct-23	Estimate	\$10,298,342	(\$189,819)	\$1,434,229	\$8,674,294	\$9,486,318	8.25%	31	\$66,469	\$8,740,763
Nov-23	Estimate	\$8,740,763	\$793,075	\$1,453,571	\$8,080,267	\$8,410,515	8.25%	30	\$57,030	\$8,137,297
Dec-23	Estimate	\$8,137,297	\$793,385	\$1,858,359	\$7,072,324	\$7,604,811	8.25%	31	\$53,286	\$7,125,610
Jan-24	Estimate	\$7,125,610	(\$186,690)	\$1,995,137	\$4,943,783	\$6,034,696	8.25%	31	\$42,169	\$4,985,951
Feb-24	Estimate	\$4,985,951	\$1,047,512	\$1,711,577	\$4,321,887	\$4,653,919	8.25%	29	\$30,422	\$4,352,309
Mar-24	Estimate	\$4,352,309	\$1,043,029	\$1,649,497	\$3,745,841	\$4,049,075	8.25%	31	\$28,294	\$3,774,135
Apr-24	Estimate	\$3,774,135	\$60,758	\$1,577,912	\$2,256,981	\$3,015,558	8.25%	30	\$20,392	\$2,277,373
May-24	Estimate	\$2,277,373	\$1,043,769	\$1,336,608	\$1,984,534	\$2,130,953	8.25%	31	\$14,890	\$1,999,424
Jun-24	Estimate	\$1,999,424	\$1,044,196	\$1,344,729	\$1,698,891	\$1,849,158	8.25%	30	\$12,505	\$1,711,396
Jul-24	Estimate	\$1,711,396	<u>\$72,040</u>	<u>\$1,797,508</u>	(\$14,072)	\$848,662	8.25%	31	<u>\$5,930</u>	(\$8,142)
Total Aug-23 to Jul-24			\$7,257,696	\$18,781,420					\$477,338	

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Total External Delivery Charge		Beginning Balance	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-23	Estimate	\$7,173,720 (1)	\$4,910,800	\$4,639,859	\$7,444,661	\$7,309,191	8.25%	31	\$51,214	\$7,495,876
Sep-23	Estimate	\$7,495,876	\$4,259,895	\$3,558,569	\$8,197,201	\$7,846,538	8.25%	30	\$53,206	\$8,250,407
Oct-23	Estimate	\$8,250,407	\$2,492,906	\$4,415,659	\$6,327,654	\$7,289,031	8.25%	31	\$51,073	\$6,378,727
Nov-23	Estimate	\$6,378,727	\$3,654,330	\$4,150,471	\$5,882,586	\$6,130,657	8.25%	30	\$41,571	\$5,924,157
Dec-23	Estimate	\$5,924,157	\$3,991,163	\$4,831,886	\$5,083,434	\$5,503,796	8.25%	31	\$38,564	\$5,121,998
Jan-24	Estimate	\$5,121,998	\$3,024,330	\$5,071,471	\$3,074,857	\$4,098,428	8.25%	31	\$28,639	\$3,103,496
Feb-24	Estimate	\$3,103,496	\$4,005,649	\$4,466,432	\$2,642,713	\$2,873,104	8.25%	29	\$18,781	\$2,661,494
Mar-24	Estimate	\$2,661,494	\$3,906,173	\$4,389,540	\$2,178,127	\$2,419,810	8.25%	31	\$16,909	\$2,195,036
Apr-24	Estimate	\$2,195,036	\$2,655,408	\$4,387,326	\$463,117	\$1,329,077	8.25%	30	\$8,988	\$472,105
May-24	Estimate	\$472,105	\$4,098,141	\$3,897,066	\$673,180	\$572,643	8.25%	31	\$4,001	\$677,182
Jun-24	Estimate	\$677,182	\$4,758,825	\$4,049,544	\$1,386,463	\$1,031,822	8.25%	30	\$6,977	\$1,393,441
Jul-24	Estimate	\$1,393,441	<u>\$4,139,401</u>	<u>\$5,542,699</u>	(\$9,857)	\$691,792	8.25%	31	<u>\$4,834</u>	(\$5,023)
Total Aug-23 to Jul-24			\$45,897,018	\$53,400,519					\$324,758	

(1) Beginning balance includes VMP/REP reconciliation of \$608,368, effective May 1, 2023, as filed in DE 22-078 , plus property tax reconciliation of \$435,181, effective January 1, 2023, as shown on Schedule DTN-1, Page 1.

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
		Total Billed kWh	Unbilled Factor	Unbilled kWh (a * b)	EDC (\$/kWh)	Unbilled EDC Revenue (c * d)	Reversal of prior month unbilled	Total Billed EDC Revenue	Total Retail Revenue (e + f + g)	Wholesale revenue	Wheeling Revenue (per DE 21-030)	Total Revenue (h + i + j)	EDC Revenue Allocated to Transmission Only (3)	EDC Revenue Allocated to Non- Transmission (4)
Aug-21	Actual	113,596,154	54.2%	61,586,966	\$0.03613	\$2,225,137	(\$1,698,657)	\$3,703,945	\$4,230,425	\$0	\$0	\$4,230,425	\$4,422,491	(\$192,066)
Sep-21	Actual	111,750,706	35.1%	39,235,250	\$0.02978	\$1,168,426	(\$2,225,137)	\$3,327,676	\$2,270,964	\$0	\$0	\$2,270,964	\$2,374,190	(\$103,226)
Oct-21	Actual	86,548,189	54.1%	46,795,548	\$0.02978	\$1,393,571	(\$1,168,426)	\$2,577,205	\$2,802,351	\$0	\$0	\$2,802,351	\$2,929,628	(\$127,277)
Nov-21	Actual	83,225,552	63.0%	52,449,754	\$0.02978	\$1,561,954	(\$1,393,571)	\$2,478,368	\$2,646,750	\$0	\$0	\$2,646,750	\$2,766,984	(\$120,234)
Dec-21	Actual	97,946,727	53.5%	52,415,982	\$0.02978	\$1,560,948	(\$1,561,954)	\$2,916,505	\$2,915,499	\$0	\$0	\$2,915,499	\$3,047,860	(\$132,361)
Jan-22	Actual	107,791,082	50.0%	53,899,935	\$0.02978	\$1,605,140	(\$1,560,948)	\$3,210,071	\$3,254,263	\$0	\$0	\$3,254,263	\$3,401,833	(\$147,570)
Feb-22	Actual	102,776,765	45.9%	47,206,760	\$0.02978	\$1,405,817	(\$1,605,140)	\$3,060,525	\$2,861,203	\$0	\$0	\$2,861,203	\$2,991,108	(\$129,905)
Mar-22	Actual	97,803,536	42.3%	41,415,359	\$0.02978	\$1,233,349	(\$1,405,817)	\$2,912,282	\$2,739,814	\$0	\$0	\$2,739,814	\$2,864,353	(\$124,539)
Apr-22	Actual	84,454,528	48.4%	40,908,379	\$0.02978	\$1,218,252	(\$1,233,349)	\$2,514,756	\$2,499,658	\$0	\$0	\$2,499,658	\$2,613,310	(\$113,652)
May-22	Actual	85,086,624	48.0%	40,880,381	\$0.02978	\$1,217,418	(\$1,218,252)	\$2,532,578	\$2,532,745	\$0	\$0	\$2,532,745	\$2,647,904	(\$115,160)
Jun-22	Actual	94,070,425	48.7%	45,796,788	\$0.02978	\$1,363,828	(\$1,217,418)	\$2,801,113	\$2,947,524	(\$22,675)	\$0	\$2,924,849	\$3,081,486	(\$156,637)
Jul-22	Actual	108,607,052	58.0%	62,967,698	\$0.02978	\$1,875,178	(\$1,363,828)	\$3,233,911	\$3,745,261	\$104,194	\$0	\$3,849,455	\$3,915,431	(\$65,976)
Total Aug-21 to Jul-22		1,173,657,340		585,558,800		\$17,829,018	(\$17,652,497)	\$35,269,936	\$35,446,457	\$81,519	\$0	\$35,527,976	\$37,056,578	(\$1,528,602)

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
		Total Billed kWh	Unbilled Factor	Unbilled kWh (a * b)	EDC (\$/kWh)	Unbilled EDC Revenue (c * d)	Reversal of prior month unbilled	Total Billed EDC Revenue	Total Retail Revenue (e + f + g)	Wholesale revenue	Wheeling Revenue (per DE 21-030)	Total Revenue (h + i + j)	EDC Revenue Allocated to Transmission Only (3)	EDC Revenue Allocated to Non- Transmission (4)
Aug-22	Actual	127,092,895	41.6%	52,837,117	\$0.02533	\$1,338,364	(\$1,875,178)	\$3,467,800	\$2,930,986	\$7,792	\$7,641	\$2,946,418	\$3,367,490	(\$421,071)
Sep-22	Actual	104,396,712	34.6%	36,168,527	\$0.02533	\$916,149	(\$1,338,364)	\$2,643,171	\$2,220,956	\$10,969	\$416	\$2,232,341	\$2,552,046	(\$319,705)
Oct-22	Actual	81,557,634	51.4%	41,958,442	\$0.02533	\$1,062,807	(\$916,149)	\$2,064,616	\$2,211,275	\$37,970	\$109	\$2,249,353	\$2,540,793	(\$291,440)
Nov-22	Actual	81,386,899	59.4%	48,384,502	\$0.02533	\$1,225,579	(\$1,062,807)	\$2,060,302	\$2,223,074	\$123,078	\$108	\$2,346,260	\$2,554,373	(\$208,113)
Dec-22	Actual	91,286,892	53.2%	48,576,951	\$0.02533	\$1,230,454	(\$1,225,579)	\$2,311,185	\$2,316,060	\$449,803	\$108	\$2,765,971	\$2,660,834	\$105,136
Jan-23	Actual	102,294,348	50.9%	52,081,663	\$0.02533	\$1,319,229	(\$1,230,454)	\$2,590,205	\$2,678,979	\$611,885	\$108	\$3,290,973	\$3,077,365	\$213,608
Feb-23	Actual	99,583,367	42.9%	42,719,812	\$0.02533	\$1,082,093	(\$1,319,229)	\$2,520,647	\$2,283,512	\$174,300	\$109	\$2,457,921	\$2,623,743	(\$165,822)
Mar-23	Actual	95,282,550	42.6%	40,570,176	\$0.02533	\$1,027,643	(\$1,082,093)	\$2,411,553	\$2,357,103	\$270,456	\$116	\$2,627,675	\$2,708,677	(\$81,002)
Apr-23	Actual	83,398,237	46.0%	38,394,919	\$0.02533	\$972,543	(\$1,027,643)	\$2,110,112	\$2,055,013	\$174,304	\$112	\$2,229,429	\$2,361,968	(\$132,539)
May-23	Estimate	86,103,484	48.0%	41,368,938	\$0.02533	\$1,047,875	(\$972,543)	\$2,181,001	\$2,256,333	\$128,332	\$111	\$2,384,776	\$2,591,265	(\$206,488)
Jun-23	Estimate	87,665,438	48.7%	42,678,615	\$0.02533	\$1,081,049	(\$1,047,875)	\$2,220,566	\$2,253,740	\$119,959	\$111	\$2,373,810	\$2,588,286	(\$214,476)
Jul-23	Estimate	105,176,249	58.0%	60,978,603	\$0.02533	\$1,544,588	(\$1,081,049)	\$2,664,114	\$3,127,653	\$125,169	\$111	\$3,252,933	\$3,591,924	(\$338,991)
Total Aug-22 to Jul-23		1,145,224,705		546,718,265		\$13,848,374	(\$14,178,964)	\$29,245,273	\$28,914,683	\$2,234,017	\$9,159	\$31,157,859	\$33,218,763	(\$2,060,904)

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
		Total Billed kWh	Unbilled Factor	Unbilled kWh (a * b)	EDC (\$/kWh)	Unbilled EDC Revenue (c * d)	Reversal of prior month unbilled	Total Billed EDC Revenue	Total Retail Revenue (e + f + g)	Wholesale revenue	Wheeling Revenue (per DE 21-030)	Total Revenue (h + i + j)	EDC Revenue Allocated to Transmission Only (3)	EDC Revenue Allocated to Non- Transmission (4)
Aug-23	Estimate	115,138,866	41.6%	47,867,394	\$0.04486	\$2,147,331	(\$1,544,588)	\$3,974,217	\$4,576,961	\$62,787	\$111	\$4,639,859	\$3,152,655	\$1,487,204
Sep-23	Estimate	93,799,939	34.6%	32,497,246	\$0.04486	\$1,457,826	(\$2,147,331)	\$4,207,865	\$3,518,360	\$40,097	\$111	\$3,558,569	\$2,423,481	\$1,135,088
Oct-23	Estimate	85,167,864	51.4%	43,815,774	\$0.04486	\$1,965,576	(\$1,457,826)	\$3,820,630	\$4,328,380	\$87,168	\$111	\$4,415,659	\$2,981,430	\$1,434,229
Nov-23	Estimate	82,216,423	59.4%	48,877,654	\$0.04486	\$2,192,652	(\$1,965,576)	\$3,688,229	\$3,915,305	\$235,055	\$111	\$4,150,471	\$2,696,900	\$1,453,571
Dec-23	Estimate	94,709,870	53.2%	50,398,438	\$0.04486	\$2,260,874	(\$2,192,652)	\$4,248,685	\$4,316,907	\$514,868	\$111	\$4,831,886	\$2,973,527	\$1,858,359
Jan-24	Estimate	99,365,620	50.9%	50,590,545	\$0.04486	\$2,269,492	(\$2,260,874)	\$4,457,542	\$4,466,160	\$605,200	\$111	\$5,071,471	\$3,076,334	\$1,995,137
Feb-24	Estimate	97,792,758	42.9%	41,951,667	\$0.04486	\$1,881,952	(\$2,269,492)	\$4,386,983	\$3,999,443	\$466,878	\$111	\$4,466,432	\$2,754,855	\$1,711,577
Mar-24	Estimate	91,616,823	42.6%	39,009,353	\$0.04486	\$1,749,960	(\$1,881,952)	\$4,109,931	\$3,977,938	\$411,490	\$111	\$4,389,540	\$2,740,042	\$1,649,497
Apr-24	Estimate	88,969,214	46.0%	40,959,688	\$0.04486	\$1,837,452	(\$1,749,960)	\$3,991,159	\$4,078,651	\$308,564	\$111	\$4,387,326	\$2,809,414	\$1,577,912
May-24	Estimate	83,638,008	48.0%	40,184,385	\$0.04486	\$1,802,672	(\$1,837,452)	\$3,752,001	\$3,717,221	\$179,734	\$111	\$3,897,066	\$2,560,458	\$1,336,608
Jun-24	Estimate	85,899,792	48.7%	41,819,037	\$0.04486	\$1,876,002	(\$1,802,672)	\$3,853,465	\$3,926,795	\$122,637	\$111	\$4,049,544	\$2,704,814	\$1,344,729
Jul-24	Estimate	103,193,543	58.0%	59,829,079	\$0.04486	\$2,683,932	(\$1,876,002)	\$4,629,262	\$5,437,193	\$105,395	\$111	\$5,542,699	\$3,745,191	\$1,797,508
Total Aug-23 to Jul-24		1,121,508,719		537,800,258		\$24,125,720	(\$22,986,375)	\$49,119,969	\$50,259,313	\$3,139,874	\$1,332	\$53,400,519	\$34,619,099	\$18,781,420

(1) Actual per billing system

(2) Detail of Unbilled Factors used in actuals for all classes shown on page 6.

(3) Allocation based on the ratio of the Transmission Only factor to the total EDC rate, multiplied by Total Retail Revenue.

(4) Allocation based on the ratio of the Non-Transmission factor to the total EDC rate, multiplied by total gross revenue (revenue prior to any reversals under alternative net metering), plus Wholesale and Wheeling Revenue.

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Aug-21	113,596,154	61,586,966	54.2%
Sep-21	111,750,706	39,235,250	35.1%
Oct-21	86,548,189	46,795,548	54.1%
Nov-21	83,225,552	52,449,754	63.0%
Dec-21	97,946,727	52,415,982	53.5%
Jan-22	107,791,082	53,899,935	50.0%
Feb-22	102,776,765	47,206,760	45.9%
Mar-22	97,803,536	41,415,359	42.3%
Apr-22	84,454,528	40,908,379	48.4%
May-22	85,086,624	40,880,381	48.0%
Jun-22	94,070,425	45,796,788	48.7%
Jul-22	108,607,052	62,967,698	58.0%
Aug-22	127,092,895	52,837,117	41.6%
Sep-22	104,396,712	36,168,527	34.6%
Oct-22	81,557,634	41,958,442	51.4%
Nov-22	81,386,899	48,384,502	59.4%
Dec-22	91,286,892	48,576,951	53.2%
Jan-23	102,294,348	52,081,663	50.9%
Feb-23	99,583,367	42,719,812	42.9%
Mar-23	95,282,550	40,570,176	42.6%
Apr-23	83,398,237	38,394,919	46.0%

Unitil Energy Systems, Inc.
Domestic Delivery Service
Schedule TOU-D and TOU-EV-D Rate Development
Effective August 1, 2023

	Summer Volumetric Rates (1) June 1 - Nov 30	Ratios to Current Rate	Ratios Applied to August 1, 2023 Rates	Winter Volumetric Rates (1) Dec 1 - May 31	Ratios to Current Rate	Ratios Applied to December 1, 2023 Rates
1 Customer Charge (TOU-EV-D):			\$ 5.26			\$ 5.26
2 Customer Charge (TOU-D):			\$ 16.22			\$ 16.22
3	5/1/22 Dist. Chg. 0.03558	6/1/23 Dist.Chg	\$ 0.04612	0.03558	6/1/23 Dist.Chg	\$ 0.04612
4 Distribution Charge:						
5 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.03138	0.88	\$ 0.04068	\$ 0.03060	0.86	\$ 0.03966
6 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.04433	1.25	\$ 0.05746	\$ 0.04195	1.18	\$ 0.05438
7 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.04004	1.13	\$ 0.05190	\$ 0.03619	1.02	\$ 0.04691
8						
9	8/1/20 Trans Chg excl reconciliation and interest \$ 0.03224	8/1/23 Trans Chg	\$ 0.03449	\$ 0.03224	8/1/23 Trans Chg	\$ 0.03449
10 External Delivery Charge- Transmission:						
11 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -		\$ -	\$ 0.00172	0.05	\$ 0.00184
12 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.02070	0.64	\$ 0.02214	\$ 0.00370	0.11	\$ 0.00396
13 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.13961	4.33	\$ 0.14935	\$ 0.16208	5.03	\$ 0.17339
14 All hours kWh - reconciliation and interest	\$ 0.00408		\$ (0.00359)	\$ 0.00408		\$ (0.00359)
15						
16	6/1/20 and 12/1/20 DS Chg with annual RPS \$ 0.07011	8/1/23 DS Chg.	\$ 0.13257	\$ 0.09291	8/1/23 DS Chg.	\$ 0.13257
17 Default Service Charge:						
18 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.05885	0.84	\$ 0.11128	\$ 0.05833	0.63	\$ 0.08323
19 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.07266	1.04	\$ 0.13739	\$ 0.05943	0.64	\$ 0.08480
20 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.26801	3.82	\$ 0.50678	\$ 0.07151	0.77	\$ 0.10204
21						
22 External Delivery Charge - non Transmission (\$/kWh)			\$ 0.01396			\$ 0.01396
23 Stranded Cost Charge (\$/kWh)			\$ (0.00010)			\$ (0.00010)
24 System Benefits Charge (\$/kWh)			\$ 0.00700			\$ 0.00700
25 Storm Recovery Adjustment Factor (\$/kWh)			\$ -			\$ -
26 Revenue Decoupling Adjustment Factor (\$/kWh)			\$ 0.00186			\$ 0.00186
27						
28 Total kWh Charges:						
29 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.15196			\$ 0.12473
30 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.21699			\$ 0.14314
31 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.70803			\$ 0.32234
32 All hours kWh			\$ 0.01913			\$ 0.01913
33 Total kWh Charges incl All hours Charges:						
34 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.17109			\$ 0.14386
35 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.23612			\$ 0.16227
36 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.72716			\$ 0.34147

37 (1) Time Of Use Rates - See DE 20-170 Exhibit 24 Revised, Attachment A Illustrative Rates

Unitil Energy Systems, Inc.
Schedule TOU-D and TOU-EV-D
Comparison of Rates and Ratios from Exh. 24 Revised Attachment A
and August 1, 2023 Rates and Ratios

	Summer Volumetric Rates		August 1, 2023 Volumetric Rates		Winter Volumetric Rates		December 1, 2023 Volumetric Rates		
	Exh.24 Revised Attachment A	Ratio to Mid-Peak		Ratio to Mid-Peak	Exh.24 Revised Attachment A	Ratio to Mid-Peak		Ratio to Mid-Peak	
1									
2									
3									
4 Distribution Charge:									
5 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.03138	70.8%	\$ 0.04068	70.8%	\$ 0.03060	72.9%	\$ 0.03966	72.9%	
6 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.04433	100.0%	\$ 0.05746	100.0%	\$ 0.04195	100.0%	\$ 0.05438	100.0%	
7 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.04004	90.3%	\$ 0.05190	90.3%	\$ 0.03619	86.3%	\$ 0.04691	86.3%	
8									
9									
10 External Delivery Charge- Transmission:									
11 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -	0.0%	\$ -	0.0%	\$ 0.00172	46.5%	\$ 0.00184	46.5%	
12 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.02070	100.0%	\$ 0.02214	100.0%	\$ 0.00370	100.0%	\$ 0.00396	100.0%	
13 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.13961	674.4%	\$ 0.14935	674.6%	\$ 0.16208	4380.5%	\$ 0.17339	4378.5%	
14 All hours kWh - reconciliation and interest									
15									
16									
17 Default Service Charge:									
18 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.05885	81.0%	\$ 0.11128	81.0%	\$ 0.05833	98.1%	\$ 0.08323	98.1%	
19 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.07266	100.0%	\$ 0.13739	100.0%	\$ 0.05943	100.0%	\$ 0.08480	100.0%	
20 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.26801	368.9%	\$ 0.50678	368.9%	\$ 0.07151	120.3%	\$ 0.10204	120.3%	
21									
22 Note: Small variances in ratios due to rounding.									

Unitil Energy Systems, Inc.
General Domestic Delivery Service
Schedule TOU-EV-G2 Rate Development
Effective August 1, 2023

	Summer Volumetric Rates (1) June 1 - Nov 30	Ratios to Current Rate	Ratios Applied to August 1, 2023 Rates	Winter Volumetric Rates (1) Dec 1 - May 31	Ratios to Current Rate	Ratios Applied to December 1, 2023 Rates
1 Customer Charge:			\$ 29.19			\$ 29.19
2 Distribution Demand Charge (half 5/1/22 rate):	\$ 5.26	6/1/23 <i>Dist.Chg</i>	\$ 6.07		6/1/23 <i>Dist.Chg</i>	\$ 6.07
3						
4 <i>5/1/22 Dist. Chg. (remaining half)</i>	\$ 0.02046	6/1/23 <i>Dist.Chg</i>	\$ 0.02362	\$ 0.02046	6/1/23 <i>Dist.Chg</i>	\$ 0.02362
5 Distribution Energy Charge:						
6 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.02033	0.99	\$ 0.02346	\$ 0.01900	0.93	\$ 0.02193
7 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01944	0.95	\$ 0.02244	\$ 0.01862	0.91	\$ 0.02149
8 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.02802	1.37	\$ 0.03234	\$ 0.02355	1.15	\$ 0.02718
9						
10 <i>8/1/20 Trans Chg excl reconciliation and interest</i>	\$ 0.03224	8/1/23 <i>Trans Chg</i>	\$ 0.03449	\$ 0.03224	8/1/23 <i>Trans Chg</i>	\$ 0.03449
11 External Delivery Charge- Transmission:						
12 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -		\$ -	\$ 0.00185	0.06	\$ 0.00198
13 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01579	0.49	\$ 0.01689	\$ 0.00285	0.09	\$ 0.00305
14 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.16990	5.27	\$ 0.18176	\$ 0.18339	5.69	\$ 0.19619
15 All hours kWh - reconciliation and interest	\$ 0.00408		\$ (0.00359)	\$ 0.00408		\$ (0.00359)
16						
17 <i>6/1/20 and 12/1/20 DS Chg with annual RPS</i>	\$ 0.05897	8/1/23 DS Chg.	\$ 0.12794	\$ 0.08678	8/1/23 DS Chg.	\$ 0.12794
18 Default Service Charge:						
19 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.04919	0.83	\$ 0.10672	\$ 0.05390	0.62	\$ 0.07946
20 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.06216	1.05	\$ 0.13486	\$ 0.05620	0.65	\$ 0.08286
21 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.25774	4.37	\$ 0.55919	\$ 0.06809	0.78	\$ 0.10039
22						
23 External Delivery Charge - non Transmission (\$/kWh)			\$ 0.01396			\$ 0.01396
24 Stranded Cost Charge (\$/kWh)			\$ (0.00010)			\$ (0.00010)
25 System Benefits Charge (\$/kWh)			\$ 0.00700			\$ 0.00700
26 Storm Recovery Adjustment Factor (\$/kWh)			\$ -			\$ -
27 Revenue Decoupling Adjustment Factor (\$/kWh)			\$ (0.00002)			\$ (0.00002)
28						
29 Total kWh Charges:						
30 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.13018			\$ 0.10337
31 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.17419			\$ 0.10740
32 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.77329			\$ 0.32376
33 All hours kWh			\$ 0.01725			\$ 0.01725
34 Total kWh Charges incl All hours Charges:						
35 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.14743			\$ 0.12062
36 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.19144			\$ 0.12465
37 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.79054			\$ 0.34101

38 (1) Time Of Use Rates - See DE 20-170 Exhibit 24 Revised, Attachment A Illustrative Rates

Unitil Energy Systems, Inc.
Schedule TOU-EV-G2
Comparison of Rates and Ratios from Exh. 24 Revised Attachment A
and August 1, 2023 Rates and Ratios

	Summer Volumetric Rates		August 1, 2023 Volumetric Rates		Winter Volumetric Rates		December 1, 2023 Volumetric Rates		
	Exh.24 Revised Attachment A	Ratio to Mid-Peak		Ratio to Mid-Peak	Exh.24 Revised Attachment A	Ratio to Mid-Peak		Ratio to Mid-Peak	
1									
2									
3									
4									
5 Distribution Energy Charge:	\$ 0.02033	104.6%	\$ 0.02346	104.5%	\$ 0.01900	102.0%	\$ 0.02193	102.0%	
6 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.01944	100.0%	\$ 0.02244	100.0%	\$ 0.01862	100.0%	\$ 0.02149	100.0%	
7 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.02802	144.1%	\$ 0.03234	144.1%	\$ 0.02355	126.5%	\$ 0.02718	126.5%	
8 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)									
9									
10									
11 External Delivery Charge- Transmission:	\$ -	0.0%	\$ -	0.0%	\$ 0.00185	64.9%	\$ 0.00198	64.9%	
12 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.01579	100.0%	\$ 0.01689	100.0%	\$ 0.00285	100.0%	\$ 0.00305	100.0%	
13 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.16990	1076.0%	\$ 0.18176	1076.1%	\$ 0.18339	6434.7%	\$ 0.19619	6432.5%	
14 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)									
15 All hours kWh - reconciliation and interest									
16									
17									
18 Default Service Charge:	\$ 0.04919	79.1%	\$ 0.10672	79.1%	\$ 0.05390	95.9%	\$ 0.07946	95.9%	
19 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.06216	100.0%	\$ 0.13486	100.0%	\$ 0.05620	100.0%	\$ 0.08286	100.0%	
20 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.25774	414.6%	\$ 0.55919	414.6%	\$ 0.06809	121.2%	\$ 0.10039	121.2%	
21 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)									
22									
23 Note: Small variances in ratios due to rounding.									

Unitil Energy Systems, Inc.
General Domestic Delivery Service
Schedule TOU-EV-G1 Rate Development
Effective August 1, 2023

	Summer Volumetric Rates (1) June 1 - Nov 30	Ratios to Current Rate	Ratios Applied to August 1, 2023 Rates	Winter Volumetric Rates (1) Dec 1 - May 31	Ratios to Current Rate	Ratios Applied to December 1, 2023 Rates
1 Customer Charge secondary voltage:			\$ 162.18			\$ 162.18
2 Customer Charge primary voltage:			\$ 86.49			\$ 86.49
3 Distribution Demand Charge (half 5/1/22 rate):	\$ 3.80	6/1/23 Dist.Chg	\$ 4.27		6/1/23 Dist.Chg	\$ 4.27
4						
5	5/1/22 Dist. Chg. (remaining half)					
6 Distribution Energy Charge:						
7 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.01105	0.93	\$ 0.01240	\$ 0.01087	0.91	\$ 0.01220
8 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01197	1.01	\$ 0.01343	\$ 0.01145	0.96	\$ 0.01285
9 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.01631	1.37	\$ 0.01831	\$ 0.01400	1.18	\$ 0.01571
10						
11	8/1/20 Trans Chg excl reconciliation and interest					
12 External Delivery Charge- Transmission:	\$ 0.03224	8/1/23 Trans Chg	\$ 0.03449	\$ 0.03224	8/1/23 Trans Chg	\$ 0.03449
13 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -		\$ -	\$ 0.00183	0.06	\$ 0.00196
14 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01673	0.52	\$ 0.01790	\$ 0.00302	0.09	\$ 0.00323
15 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.17016	5.28	\$ 0.18204	\$ 0.18768	5.82	\$ 0.20078
16 All hours kWh - reconciliation and interest	\$ 0.00408		\$ (0.00359)	\$ 0.00408		\$ (0.00359)
17						
18 External Delivery Charge - non Transmission (\$/kWh)			\$ 0.01396			\$ 0.01396
19 Stranded Cost Charge (\$/kWh)			\$ (0.00010)			\$ (0.00010)
20 System Benefits Charge (\$/kWh)			\$ 0.00700			\$ 0.00700
21 Storm Recovery Adjustment Factor (\$/kWh)			\$ -			\$ -
22 Revenue Decoupling Adjustment Factor (\$/kWh)			\$ 0.00014			\$ 0.00014
23						
24 Total kWh Charges (exclude Default Service all hours market rate):						
25 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.01240			\$ 0.01416
26 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.03133			\$ 0.01608
27 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.20035			\$ 0.21649
28 All hours kWh			\$ 0.01741			\$ 0.01741
29 Total kWh Charges incl All hours Charges except Default Service:						
30 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.02981			\$ 0.03157
31 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.04874			\$ 0.03349
32 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.21776			\$ 0.23390

33 (1) Time Of Use Rates - See DE 20-170 Exhibit 24 Revised, Attachment A Illustrative Rates

Unitil Energy Systems, Inc.
Schedule TOU-EV-G1
Comparison of Rates and Ratios from Exh. 24 Revised Attachment A
and August 1, 2023 Rates and Ratios

	Summer Volumetric Rates			August 1, 2023		Winter Volumetric Rates		December 1, 2023		
	Exh.24 Revised Attachment A	Ratio to Mid-Peak		Volumetric Rates	Ratio to Mid-Peak	Exh.24 Revised Attachment A	Ratio to Mid-Peak	Volumetric Rates	Ratio to Mid-Peak	
1										
2										
3										
4										
5										
6	Distribution Energy Charge:									
7	Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.01105	92.3%	\$ 0.01240	92.3%	\$ 0.01087	94.9%	\$ 0.01220	94.9%	
8	Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01197	100.0%	\$ 0.01343	100.0%	\$ 0.01145	100.0%	\$ 0.01285	100.0%	
9	On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.01631	136.3%	\$ 0.01831	136.3%	\$ 0.01400	122.3%	\$ 0.01571	122.3%	
10										
11										
12	External Delivery Charge- Transmission:									
13	Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -	0.0%	\$ -	0.0%	\$ 0.00183	60.6%	\$ 0.00196	60.7%	
14	Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01673	100.0%	\$ 0.01790	100.0%	\$ 0.00302	100.0%	\$ 0.00323	100.0%	
15	On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.17016	1017.1%	\$ 0.18204	1017.0%	\$ 0.18768	6214.6%	\$ 0.20078	6216.1%	
16										
17										
18										
19										
20										
21										
22										
23										
24										
25	Note: Small variances in ratios due to rounding.									

NHPUC No. 3 - Electricity Delivery
Unitil Energy Systems, Inc.

Twenty-Eighth Revised Page 65
Superseding Twenty-Eighth Issued in Lieu of Twenty-Seventh Revised Page 65

CALCULATION OF THE STRANDED COST CHARGE

Uniform per kWh Charge

1. (Over)/under Recovery - Beginning Balance August 1, 2023	(\$52,427)	\$49,569
2. Estimated Total Costs (August 2023 - July 2024)	(\$56,920)	(\$31,532)
3. Estimated Interest (August 2023 - July 2024)	(\$2,234)	\$1,023
4. Costs to be Recovered (L.1 + L.2 + L.3)	(\$111,580)	\$19,060
5. Estimated Calendar Month Deliveries in kWh (August 2023 - July 2024)	1,120,359,195	1,150,271,628
6. Stranded Cost Charge (\$/kWh) (L.4 / L.5)	(\$0.00010)	\$0.00002

Class D, D - Controlled Off Peak Water Heating, G2 - kWh meter,
G2 - Quick Recovery Water Heating, G2 - Space Heating,
G2 Controlled Off Peak Water Heating, OL

7. Stranded Cost Charge (\$/kWh) (L.6)	(\$0.00010)	\$0.00002
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Class G2

8. Estimated G2 Demand Revenue (August 2023 - July 2024)	\$0	\$0
9. Estimated G2 Deliveries in kW (August 2023 - July 2024)	1,254,217	1,270,876
10. Stranded Cost Charge (\$/kW) (L. 8 / L. 9)	\$0.00	\$0.00
11. G2 Energy Revenue (August 2023 - July 2024)	(\$30,839)	\$6,378
12. Estimated G2 Calendar Month Deliveries in kWh (August 2023 - July 2024)	308,387,516	318,917,347
13. Stranded Cost Charge (\$/kWh) (L.11 / L.12)	(\$0.00010)	\$0.00002

Class G1

14. Estimated G1 Demand Revenue (August 2023 - July 2024)	\$0	\$0
15. Estimated G1 Deliveries in kVA (August 2023 - July 2024)	1,002,209	1,008,699
16. Stranded Cost Charge (\$/kVA) (L. 14 / L. 15)	\$0.00	\$0.00
17. G1 Energy Revenue (August 2023 - July 2024)	(\$30,793)	\$6,382
18. Estimated G1 Calendar Month Deliveries in kWh (August 2023 - July 2024)	307,932,201	319,112,443
19. Stranded Cost Charge (\$/kWh) (L.17 / L.18)	(\$0.00010)	\$0.00002

Authorized by NHPUC Order No. ~~26-655~~ in Case No. ~~DE-22-038~~, dated ~~July 28, 2022~~

Issued: June 16, 2023 ~~August 5, 2022~~
Effective: August 1, 2023

Issued By: Daniel Hurstak ~~Robert B. Hevert~~
Sr. Vice President

NHPUC No. 3 - Electricity Delivery
Unitil Energy Systems, Inc.

Thirty-First~~Thirtieth~~ Revised Page 67
Superseding Thirtieth~~Issued in Lieu of Twenty-Ninth~~ Revised Page 67

CALCULATION OF THE EXTERNAL DELIVERY CHARGE

	Calculation of the EDC - <u>Total</u>	Calculation of the EDC - <u>Transmission Only</u>	Calculation of the EDC - <u>Non-Transmission</u>
1. (Over)/under Recovery - Beginning Balance August 1, 2022	(\$4,658,159)	(\$4,692,984)	\$34,825
2. Estimated Total Costs (August 2022 - July 2023)	\$36,456,412	\$38,284,042	(\$1,827,630)
3. Estimated Wholesale and Wheeling Revenue (August 2022 - July 2023)	<u>\$2,541,218</u>	<u>\$0</u>	<u>\$2,541,218</u>
4. Estimated Interest (August 2022 - July 2023)	(\$118,980)	(\$130,344)	\$11,364
5. Costs to be Recovered (L. 1 + L. 2 - L. 3 + L. 4)	<u>29,138,055</u>	<u>33,460,715</u>	<u>(4,322,660)</u>
6. Estimated Calendar Month Deliveries in kWh (August 2022 - July 2023)	<u>1,150,271,628</u>	<u>1,150,271,628</u>	<u>1,150,271,628</u>
7. External Delivery Charge (\$/kWh) (L. 5 / L. 6)	<u>\$0.02533</u>	<u>\$0.02909</u>	<u>(\$0.00376)</u>
1. (Over)/under Recovery - Beginning Balance August 1, 2023	\$7,173,720	(\$3,864,525)	\$11,038,245
2. Estimated Total Costs (August 2023 - July 2024)	\$45,897,018	\$38,639,323	\$7,257,696
3. Estimated Wholesale and Wheeling Revenue (August 2023 - July 2024)	\$3,141,206	\$0	\$3,141,206
4. Estimated Interest (August 2023 - July 2024)	<u>\$324,758</u>	<u>(\$152,580)</u>	<u>\$477,338</u>
5. Costs to be Recovered (L. 1 + L. 2 - L. 3 + L. 4)	\$50,254,291	\$34,622,218	\$15,632,072
6. Estimated Calendar Month Deliveries in kWh (August 2023 - July 2024)	<u>1,120,359,195</u>	<u>1,120,359,195</u>	<u>1,120,359,195</u>
7. External Delivery Charge (\$/kWh) (L. 5 / L. 6)	\$0.04486	\$0.03090	\$0.01396

Authorized by NHPUC Order No. ~~26,655~~ in Case No. ~~DE 22-038~~, dated ~~July 28, 2022~~

Issued: June 16, 2023~~August 5, 2022~~
Effective: August 1, 2023~~2~~

Issued By: Daniel Hurstak~~Robert B. Hevert~~
Sr. Vice President

SUMMARY OF DELIVERY SERVICE RATES

Each bill rendered for electric delivery service shall be calculated through the application of the effective rates as listed below.

Class		Distribution Charge*	Non-Transmission External Delivery Charge**	Transmission External Delivery Charge**	Total External Delivery Charge**	Stranded Cost Charge**	Storm Recovery Adjustment Factor***	System Benefits Charge****	Revenue Decoupling Adjustment Factor*****	Total Delivery Charges	Total Delivery Charges
D	Customer Charge	\$16.22						(1)		\$16.22	\$16.22
	All kWh	\$0.04612	\$0.01396 (\$0.00376)	\$0.03090 \$0.02909	\$0.04486 \$0.02533	(\$0.00010) \$0.00002	\$0.00000	\$0.00700	\$0.00186	\$0.07847	\$0.09974
G2	Customer Charge	\$29.19								\$29.19	\$29.19
	All kW	\$12.13				\$0.00				\$12.13	\$12.13
	All kWh	\$0.00000	\$0.01396 (\$0.00376)	\$0.03090 \$0.02909	\$0.04486 \$0.02533	(\$0.00010) \$0.00002	\$0.00000	\$0.00700	(\$0.00002)	\$0.03235	\$0.05174
G2 - kWh meter	Customer Charge	\$18.38								\$18.38	\$18.38
	All kWh	\$0.03270	\$0.01396 (\$0.00376)	\$0.03090 \$0.02909	\$0.04486 \$0.02533	(\$0.00010) \$0.00002	\$0.00000	\$0.00700	(\$0.00002)	\$0.06505	\$0.08444
G2 - Quick Recovery Water Heat and/or Space Heat	Customer Charge	\$9.73								\$9.73	\$9.73
	All kWh	\$0.03669	\$0.01396 (\$0.00376)	\$0.03090 \$0.02909	\$0.04486 \$0.02533	(\$0.00010) \$0.00002	\$0.00000	\$0.00700	(\$0.00002)	\$0.06904	\$0.08843
G1	Customer Charge	\$162.18	Secondary Voltage							\$162.18	\$162.18
	Customer Charge	\$86.49	Primary Voltage							\$86.49	\$86.49
	All kVA	\$8.53				\$0.00				\$8.53	\$8.53
	All kWh	\$0.00000	\$0.01396 (\$0.00376)	\$0.03090 \$0.02909	\$0.04486 \$0.02533	(\$0.00010) \$0.00002	\$0.00000	\$0.00700	\$0.00014	\$0.03235	\$0.05190
ALL GENERAL	Transformer Ownership Credit (kW/kVa)									(\$0.50)	(\$0.50)
	Voltage Discount at 4,160 Volts or Over (all kW/kVA and kWh)									2.00%	2.00%
	Voltage Discount at 34,500 Volts or Over (all kW/kVA and kWh)									3.50%	3.50%

(1) Includes low-income portion of \$0.00150 per kWh, energy efficiency portion of \$0.00550 per kWh and lost base revenue portion of \$0.00000 per kWh.

* Authorized by NHPUC Order No. 26,837 in Case No. DE 23-014, dated May 31, 2023

** Authorized by NHPUC Order No. 26,655 in Case No. DE 22-038, dated July 28, 2022

*** Authorized by NHPUC Order No. 26,236 in Case No. DE 19-043, dated April 22, 2019

**** Authorized by NHPUC Order No. 26,745 in Case No. DE 22-081, dated December 14, 2022

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Sr. Vice President

NHPUC No. 3 - Electricity Delivery
Unitil Energy Systems, Inc.

Fifty-Fifth ~~Fourth~~ Revised Page 5
Superseding Fifty-Fourth ~~Third~~ Revised Page 5

SUMMARY OF DELIVERY SERVICE RATES (continued)

Class	Non-Transmission		Transmission		Stranded Cost Charge**	Storm Recovery Adjustment Factor***	System Benefits Charge**** (1)	Total Delivery Charges
	Distribution Charge*	External Delivery Charge**	External Delivery Charge**	External Delivery Charge**				
OL		\$0.01396	\$0.03090	\$0.04486	(\$0.00010)			\$0.05176
All kWh	\$0.00000	(\$0.00376)	\$0.02909	\$0.02533	\$0.00002	\$0.00000	\$0.00700	\$0.03235
Luminaire Charges								
Category	Lamp Size Nominal Watts	Lumens (Approx.)	All-Night Service Monthly kWh	Midnight Service Monthly kWh	Description	Price Per Luminaire		
						Per Mo.	Per Year	
Company	100	3,500	43	20	Mercury Vapor Street	\$13.73	\$164.76	
Company	175	7,000	71	33	Mercury Vapor Street	\$15.73	\$188.76	
Company	250	11,000	100	46	Mercury Vapor Street	\$17.25	\$207.00	
Company	400	20,000	157	73	Mercury Vapor Street	\$17.25	\$207.00	
Company	1,000	60,000	372	173	Mercury Vapor Street	\$24.78	\$297.36	
Company	250	11,000	100	46	Mercury Vapor Flood	\$18.25	\$219.00	
Company	400	20,000	157	73	Mercury Vapor Flood	\$21.57	\$258.84	
Company	1,000	60,000	380	176	Mercury Vapor Flood	\$25.29	\$303.48	
Company	100	3,500	48	22	Mercury Vapor Power Bracket	\$13.44	\$161.28	
Company	175	7,000	71	33	Mercury Vapor Power Bracket	\$14.65	\$175.80	
Company	50	4,000	23	11	Sodium Vapor Street	\$13.73	\$164.76	
Company	100	9,500	48	22	Sodium Vapor Street	\$15.73	\$188.76	
Company	150	16,000	65	30	Sodium Vapor Street	\$17.25	\$207.00	
Company	250	30,000	102	47	Sodium Vapor Street	\$19.53	\$234.36	
Company	400	50,000	161	75	Sodium Vapor Street	\$24.78	\$297.36	
Company	1,000	140,000	380	176	Sodium Vapor Street	\$42.51	\$510.12	
Company	150	16,000	65	30	Sodium Vapor Flood	\$18.25	\$219.00	
Company	250	30,000	102	47	Sodium Vapor Flood	\$21.57	\$258.84	
Company	400	50,000	161	75	Sodium Vapor Flood	\$25.29	\$303.48	
Company	1,000	140,000	380	176	Sodium Vapor Flood	\$42.89	\$514.68	
Company	50	4,000	23	11	Sodium Vapor Power Bracket	\$13.44	\$161.28	
Company	100	9,500	48	22	Sodium Vapor Power Bracket	\$14.65	\$175.80	
Company	175	8,800	74	34	Metal Halide Street	\$17.25	\$207.00	
Company	1,000	86,000	374	174	Metal Halide Flood	\$25.29	\$303.48	
Company	35	3,000	12	6	LED Area Light Fixture	\$13.44	\$161.28	
Company	47	4,000	16	7	LED Area Light Fixture	\$14.65	\$175.80	
Company	30	3,300	10	5	LED Street Light Fixture	\$13.73	\$164.76	
Company	50	5,000	17	8	LED Street Light Fixture	\$15.73	\$188.76	
Company	100	11,000	35	16	LED Street Light Fixture	\$17.25	\$207.00	
Company	120	18,000	42	19	LED Street Light Fixture	\$19.53	\$234.36	
Company	140	18,000	48	22	LED Street Light Fixture	\$24.78	\$297.36	
Company	260	31,000	90	42	LED Street Light Fixture	\$42.51	\$510.12	
Company	70	10,000	24	11	LED Flood Light Fixture	\$18.25	\$219.00	
Company	90	10,000	31	14	LED Flood Light Fixture	\$21.57	\$258.84	
Company	110	15,000	38	18	LED Flood Light Fixture	\$25.29	\$303.48	
Company	370	46,000	128	59	LED Flood Light Fixture	\$42.89	\$514.68	
Customer Paid	35	3,000	12	6	LED Area Light Fixture	\$7.00	\$84.00	
Customer Paid	47	4,000	16	7	LED Area Light Fixture	\$8.21	\$98.52	
Customer Paid	30	3,300	10	5	LED Street Light Fixture	\$9.71	\$116.52	
Customer Paid	50	5,000	17	8	LED Street Light Fixture	\$11.92	\$143.04	
Customer Paid	100	11,000	35	16	LED Street Light Fixture	\$12.48	\$149.76	
Customer Paid	120	18,000	42	19	LED Street Light Fixture	\$14.76	\$177.12	
Customer Paid	140	18,000	48	22	LED Street Light Fixture	\$17.83	\$213.96	
Customer Paid	260	31,000	90	42	LED Street Light Fixture	\$33.56	\$402.72	
Customer Paid	70	10,000	24	11	LED Flood Light Fixture	\$11.24	\$134.88	
Customer Paid	90	10,000	31	14	LED Flood Light Fixture	\$14.56	\$174.72	
Customer Paid	110	15,000	38	18	LED Flood Light Fixture	\$17.36	\$208.32	
Customer Paid	370	46,000	128	59	LED Flood Light Fixture	\$27.00	\$324.00	

(1) Includes low-income portion of \$0.00150 per kWh, energy efficiency portion of \$0.00550 per kWh and lost base revenue portion of \$0.00000 per kWh.

* Authorized by NHPUC Order No. 26,623 in Case No. DE 21-030, dated May 3, 2022

** Authorized by NHPUC Order No. ~~26,655~~ in Case No. ~~DE 22-038~~, dated July 28, 2022

*** Authorized by NHPUC Order No. 26,236 in Case No. DE 19-043, dated April 22, 2019

**** Authorized by NHPUC Order No. 26,745 in Case No. DE 22-081, dated December 14, 2022

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Issued By: Daniel Hurstak

~~Issued By: Robert B. Hevert~~

Sr. Vice President

NHPUC No. 3 - Electricity Delivery
Unitil Energy Systems, Inc.

**SUMMARY OF WHOLE HOUSE RESIDENTIAL TIME OF USE RATES AND ELECTRIC VEHICLE RATES
(DELIVERY AND SUPPLY)**

Each bill rendered for electric delivery service and supply service (as applicable) shall be calculated through the application of the effective rates as listed below.

		DELIVERY RATES									SUPPLY RATES			Total Delivery and Supply
		Distribution Charge*	Non-Transmission External Delivery Charge**	Transmission External Delivery Charge**	Total External Delivery Charge**	Stranded Cost Charge**	Storm Recovery Adjustment Factor***	System Benefits Charge****	Revenue Decoupling Adjustment Factor*****	Total Delivery Charges	Renewable Portfolio Standard Charge*****	Power Supply Charge*****	Total Default Service Charge*****	
Class														
TOU-D	Customer Charge	\$16.22								\$16.22				\$16.22
	Off-Peak kWh	\$0.04068	(\$0.00376)	(\$0.00419)	(\$0.00795)	\$0.00002	\$0.00000	\$0.00700		\$0.03975	\$0.00528	\$0.21233	\$0.21761	\$0.25736
	Mid-Peak kWh	\$0.05746	(\$0.00376)	\$0.01718	\$0.01342	\$0.00002	\$0.00000	\$0.00700		\$0.07790	\$0.00528	\$0.26340	\$0.26868	\$0.34658
	On-Peak kWh	\$0.05190	(\$0.00376)	\$0.13992	\$0.13616	\$0.00002	\$0.00000	\$0.00700		\$0.19508	\$0.00528	\$0.98576	\$0.99104	\$1.18612
TOU-EV-D	Customer Charge	\$5.26								\$5.26				\$5.26
	Off-Peak kWh	\$0.04068	(\$0.00376)	(\$0.00419)	(\$0.00795)	\$0.00002	\$0.00000	\$0.00700		\$0.03975	\$0.00528	\$0.21233	\$0.21761	\$0.25736
	Mid-Peak kWh	\$0.05746	(\$0.00376)	\$0.01718	\$0.01342	\$0.00002	\$0.00000	\$0.00700		\$0.07790	\$0.00528	\$0.26340	\$0.26868	\$0.34658
	On-Peak kWh	\$0.05190	(\$0.00376)	\$0.13992	\$0.13616	\$0.00002	\$0.00000	\$0.00700		\$0.19508	\$0.00528	\$0.98576	\$0.99104	\$1.18612
TOU-EV-G2	Customer Charge	\$29.19								\$29.19				\$29.19
	All kW	\$6.07				\$0.00				\$6.07				\$6.07
	Off-Peak kWh	\$0.02346	(\$0.00376)	(\$0.00419)	(\$0.00795)	\$0.00002	\$0.00000	\$0.00700		\$0.02253	\$0.00528	\$0.20639	\$0.21167	\$0.23420
	Mid-Peak kWh	\$0.02244	(\$0.00376)	\$0.01211	\$0.00835	\$0.00002	\$0.00000	\$0.00700		\$0.03781	\$0.00528	\$0.26220	\$0.26748	\$0.30529
	On-Peak kWh	\$0.02324	(\$0.00376)	\$0.17119	\$0.16743	\$0.00002	\$0.00000	\$0.00700		\$0.20679	\$0.00528	\$1.10378	\$1.10906	\$1.31585
TOU-EV-G1	Customer Charge	\$162.18	Secondary Voltage							\$162.18				\$162.18
	Customer Charge	\$86.49	Primary Voltage							\$86.49				\$86.49
	All kVA	\$4.27				\$0.00				\$4.27				\$4.27
	Off-Peak kWh	\$0.01240	(\$0.00376)	(\$0.00419)	(\$0.00795)	\$0.00002	\$0.00000	\$0.00700		\$0.01147	\$0.00548	MARKET	MARKET	MARKET
	Mid-Peak kWh	\$0.01342	(\$0.00376)	\$0.01208	\$0.00932	\$0.00002	\$0.00000	\$0.00700		\$0.02977	\$0.00548	MARKET	MARKET	MARKET
	On-Peak kWh	\$0.01821	(\$0.00376)	\$0.17146	\$0.16770	\$0.00002	\$0.00000	\$0.00700		\$0.19303	\$0.00548	MARKET	MARKET	MARKET
TOU-D	Customer Charge	\$16.22								\$16.22				\$16.22
	Off-Peak kWh	\$0.04068	\$0.01396	(\$0.00359)	\$0.01037	(\$0.00010)	\$0.00000	\$0.00700	\$0.00186	\$0.05981	\$0.00570	\$0.10558	\$0.11128	\$0.17109
	Mid-Peak kWh	\$0.05746	\$0.01396	\$0.01855	\$0.03251	(\$0.00010)	\$0.00000	\$0.00700	\$0.00186	\$0.09873	\$0.00570	\$0.13169	\$0.13739	\$0.23612
	On-Peak kWh	\$0.05190	\$0.01396	\$0.14576	\$0.15972	(\$0.00010)	\$0.00000	\$0.00700	\$0.00186	\$0.22038	\$0.00570	\$0.50108	\$0.50678	\$0.72716
TOU-EV-D	Customer Charge	\$5.26								\$5.26				\$5.26
	Off-Peak kWh	\$0.04068	\$0.01396	(\$0.00359)	\$0.01037	(\$0.00010)	\$0.00000	\$0.00700	\$0.00186	\$0.05981	\$0.00570	\$0.10558	\$0.11128	\$0.17109
	Mid-Peak kWh	\$0.05746	\$0.01396	\$0.01855	\$0.03251	(\$0.00010)	\$0.00000	\$0.00700	\$0.00186	\$0.09873	\$0.00570	\$0.13169	\$0.13739	\$0.23612
	On-Peak kWh	\$0.05190	\$0.01396	\$0.14576	\$0.15972	(\$0.00010)	\$0.00000	\$0.00700	\$0.00186	\$0.22038	\$0.00570	\$0.50108	\$0.50678	\$0.72716
TOU-EV-G2	Customer Charge	\$29.19								\$29.19				\$29.19
	All kW	\$6.07				\$0.00				\$6.07				\$6.07
	Off-Peak kWh	\$0.02346	\$0.01396	(\$0.00359)	\$0.01037	(\$0.00010)	\$0.00000	\$0.00700	(\$0.00002)	\$0.04071	\$0.00570	\$0.10102	\$0.10672	\$0.14743
	Mid-Peak kWh	\$0.02244	\$0.01396	\$0.01330	\$0.02726	(\$0.00010)	\$0.00000	\$0.00700	(\$0.00002)	\$0.05658	\$0.00570	\$0.12916	\$0.13486	\$0.19144
	On-Peak kWh	\$0.02324	\$0.01396	\$0.17817	\$0.19213	(\$0.00010)	\$0.00000	\$0.00700	(\$0.00002)	\$0.23135	\$0.00570	\$0.55349	\$0.55919	\$0.79054
TOU-EV-G1	Customer Charge	\$162.18	Secondary Voltage							\$162.18				\$162.18
	Customer Charge	\$86.49	Primary Voltage							\$86.49				\$86.49
	All kVA	\$4.27				\$0.00				\$4.27				\$4.27
	Off-Peak kWh	\$0.01240	\$0.01396	(\$0.00359)	\$0.01037	(\$0.00010)	\$0.00000	\$0.00700	\$0.00014	\$0.02981	\$0.00686	MARKET	MARKET	MARKET
	Mid-Peak kWh	\$0.01343	\$0.01396	\$0.01431	\$0.02827	(\$0.00010)	\$0.00000	\$0.00700	\$0.00014	\$0.04874	\$0.00686	MARKET	MARKET	MARKET
	On-Peak kWh	\$0.01831	\$0.01396	\$0.17845	\$0.19241	(\$0.00010)	\$0.00000	\$0.00700	\$0.00014	\$0.21776	\$0.00686	MARKET	MARKET	MARKET
ALL GENERAL	Transformer Ownership Credit (kW/kVa) Voltage Discount at 4,160 Volts or Over (all kW/kVa and kWh) Voltage Discount at 34,500 Volts or Over (all kW/kVa and kWh)													(\$0.50) 2.00% 3.50%
DEFINITIONS	Off-Peak kWh: Monday - Friday 8 P.M. - 6 A.M. and All Day Weekends and Weekday Holidays ¹													
	Mid-Peak kWh: Monday - Friday 6 A.M. - 3 P.M., excluding Weekday Holidays ¹													
	On-Peak kWh: Monday - Friday 3 P.M. - 8 P.M., excluding Weekday Holidays ¹													
¹ Holidays observed by the State of New Hampshire pursuant to NH RSA 288:1.														

* Authorized by NHPUC Order No. 26,837 in Case No. DE 23-014, dated May 31, 2023

** Authorized by NHPUC Order No. 26,655 in Case No. DE 22-038, dated July 28, 2022

*** Authorized by NHPUC Order No. 26,236 in Case No. DE 19-043, dated April 22, 2019

**** Authorized by NHPUC Order No. 26,745 in Case No. DE 22-081, dated December 14, 2022

***** Authorized by NHPUC Order No. 26,604 in Case No. DE 22-017, dated September 30, 2022

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Sr. Vice President

NHPUC No. 3 - Electricity Delivery
Unitil Energy Systems, Inc.

Seventy-Ninth Eighth Revised Page 6
Superseding Seventy-Eighth Seventh Revised Page 6

**SUMMARY OF LOW-INCOME
ELECTRIC ASSISTANCE PROGRAM DISCOUNTS**

Low-Income Electric Assistance Program (LI-EAP) Discounts for Eligible Customers

Tier	Percentage of NH State Median Income & Federal Poverty Guidelines	Discount (5)	Blocks	LI-EAP discount Delivery Only *; Excludes Supply	LI-EAP discount Delivery Only *; Excludes Supply	LI-EAP discount Fixed Default Service ** Supply Only	LI-EAP discount Variable Default Service ** Supply Only							
				Jun-2023 – Jul-2023 (1)	August 1, 2023	August 2023-January 2024 Jun-2023 – Jul-2023 (2)	Aug-23 (3)	Sep-23 (3)	Oct-23 (3)	Nov-23 (3)	Dec-23 (3)	Jan-24 (3)	Jun-23 (3)	Jul-23 (3)
1 (4)	N/A	N/A												
2	151 (FPG) - 60 (SMI)	8%	Customer Charge	(\$1.30)	(\$1.30)									
			First 750 kWh	(\$0.00628)	(\$0.00798)	(\$0.01061)	(\$0.00735)	(\$0.00576)	(\$0.00535)	(\$0.00790)	(\$0.01533)	(\$0.02002)	(\$0.01091)	(\$0.01264)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
3	126 (FPG) - 150 (FPG)	22%	Customer Charge	(\$3.57)	(\$3.57)									
			First 750 kWh	(\$0.01726)	(\$0.02194)	(\$0.02917)	(\$0.02022)	(\$0.01585)	(\$0.01472)	(\$0.02172)	(\$0.04215)	(\$0.05507)	(\$0.03000)	(\$0.03476)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
4	101 (FPG) - 125 (FPG)	36%	Customer Charge	(\$5.84)	(\$5.84)									
			First 750 kWh	(\$0.02825)	(\$0.03591)	(\$0.04773)	(\$0.03308)	(\$0.02594)	(\$0.02408)	(\$0.03554)	(\$0.06897)	(\$0.09011)	(\$0.04910)	(\$0.05688)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
5	76 (FPG) - 100 (FPG)	52%	Customer Charge	(\$8.43)	(\$8.43)									
			First 750 kWh	(\$0.04080)	(\$0.05186)	(\$0.06894)	(\$0.04779)	(\$0.03747)	(\$0.03479)	(\$0.05133)	(\$0.09962)	(\$0.13016)	(\$0.07092)	(\$0.08217)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
6	0 - 75 (FPG)	76%	Customer Charge	(\$12.33)	(\$12.33)									
			First 750 kWh	(\$0.05964)	(\$0.07580)	(\$0.10075)	(\$0.06984)	(\$0.05477)	(\$0.05084)	(\$0.07502)	(\$0.14559)	(\$0.19024)	(\$0.10365)	(\$0.12009)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000

(1) Discount calculated using total utility charges from Page 4 multiplied by the appropriate discount. These figures exclude default service and are applicable to customers choosing a Competitive Supplier or self-supply. Customers taking default service from the Company would receive these discounts plus the appropriate discount applicable to default service supply. Competitively supplied customers billed on a consolidated basis would receive these discounts plus the appropriate fixed default service supply discount.

(2) Discount calculated using Non-G1 class (Residential) Fixed Default Service Rate multiplied by the appropriate discount. These figures exclude delivery.

(3) Discount calculated using Non-G1 class (Residential) Variable Default Service Rate, for the applicable month, multiplied by the appropriate discount. These figures exclude delivery.

(4) Tier 1 was eliminated by Order No. 25,200 in DE 10-192 dated March 4, 2011.

(5) Discounts effective July 1, 2016 in accordance with Order No. 25-901 in DE 14-078.

* Authorized by NHPUC Order No. ~~26,837~~ in Case No. DE 23-014, dated ~~May 31, 2023~~

** Authorized by NHPUC Order No. ~~26,694~~ in Case No. ~~DE 22-017~~, dated ~~September 30, 2022~~

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Issued By: Daniel Hurstak
Sr. Vice President

Unitil Energy Systems, Inc.
Typical Bill Impacts by Rate Component

Residential Rate D 650 kWh Bill

	6/1/2023	8/1/2023					%	%
							Difference to	Difference
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	<u>Bill Component</u>	<u>to Total Bill</u>
Customer Charge	\$16.22	\$16.22	\$0.00	\$16.22	\$16.22	\$0.00	0.0%	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>						
Distribution Charge	\$0.04612	\$0.04612	\$0.00000	\$29.98	\$29.98	\$0.00	0.0%	0.0%
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953	\$16.46	\$29.16	\$12.69	77.1%	5.4%
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)	\$0.01	(\$0.07)	(\$0.08)	(600.0%)	(0.0%)
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%	0.0%
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000	\$4.55	\$4.55	\$0.00	0.0%	0.0%
Default Service Charge	<u>\$0.25925</u>	<u>\$0.25925</u>	<u>\$0.00000</u>	<u>\$168.51</u>	<u>\$168.51</u>	<u>\$0.00</u>	<u>0.0%</u>	<u>0.0%</u>
Total kWh Charges	\$0.33772	\$0.35713	\$0.01941					
Total Bill				\$235.74	\$248.35	\$12.62	5.4%	5.4%

Regular General G2 Demand, 11 kW, 2,800 kWh Typical Bill

	6/1/2023	8/1/2023					%	%
							Difference to	Difference
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	<u>Bill Component</u>	<u>to Total Bill</u>
Customer Charge	\$29.19	\$29.19	\$0.00	\$29.19	\$29.19	\$0.00	0.0%	0.0%
	<u>All kW</u>	<u>All kW</u>						
Distribution Charge	\$12.13	\$12.13	\$0.00	\$133.43	\$133.43	\$0.00	0.0%	0.0%
Stranded Cost Charge	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>0.0%</u>	<u>0.0%</u>
Total kW Charges	\$12.13	\$12.13	\$0.00	\$133.43	\$133.43	\$0.00	0.0%	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>						
Distribution Charge	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%	0.0%
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953	\$70.92	\$125.61	\$54.68	77.1%	5.7%
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)	\$0.06	(\$0.28)	(\$0.34)	(600.0%)	(0.0%)
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%	0.0%
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000	\$19.60	\$19.60	\$0.00	0.0%	0.0%
Default Service Charge	<u>\$0.25375</u>	<u>\$0.25375</u>	<u>\$0.00000</u>	<u>\$710.50</u>	<u>\$710.50</u>	<u>\$0.00</u>	<u>0.0%</u>	<u>0.0%</u>
Total kWh Charges	\$0.28610	\$0.30551	\$0.01941	\$801.08	\$855.43	\$54.35	6.8%	5.6%
Total Bill				\$963.70	\$1,018.05	\$54.35	5.6%	5.6%

Unitil Energy Systems, Inc.
Typical Bill Impacts by Rate Component

<u>Regular General G2 Quick Recovery Water Heating and Space Heating 1,660 kWh Typical Bill</u>								
	6/1/2023	8/1/2023					%	%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	<u>Difference to Bill Component</u>	<u>Difference to Total Bill</u>
Customer Charge	\$9.73	\$9.73	\$0.00	\$9.73	\$9.73	\$0.00	0.0%	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>						
Distribution Charge	\$0.03669	\$0.03669	\$0.00000	\$60.91	\$60.91	\$0.00	0.0%	0.0%
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953	\$42.05	\$74.47	\$32.42	77.1%	5.9%
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)	\$0.03	(\$0.17)	(\$0.20)	(600.0%)	(0.0%)
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%	0.0%
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000	\$11.62	\$11.62	\$0.00	0.0%	0.0%
Default Service Charge	<u>\$0.25375</u>	<u>\$0.25375</u>	<u>\$0.00000</u>	<u>\$421.23</u>	<u>\$421.23</u>	<u>\$0.00</u>	<u>0.0%</u>	<u>0.0%</u>
Total kWh Charges	\$0.32279	\$0.34220	\$0.01941	\$535.83	\$568.05	\$32.22	6.0%	5.9%
Total Bill				\$545.56	\$577.78	\$32.22	5.9%	5.9%

<u>Regular General G2 kWh Meter 115 kWh Typical Bill</u>								
	6/1/2023	8/1/2023					%	%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	<u>Difference to Bill Component</u>	<u>Difference to Total Bill</u>
Customer Charge	\$18.38	\$18.38	\$0.00	\$18.38	\$18.38	\$0.00	0.0%	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>						
Distribution Charge	\$0.03270	\$0.03270	\$0.00000	\$3.76	\$3.76	\$0.00	0.0%	0.0%
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953	\$2.91	\$5.16	\$2.25	77.1%	4.1%
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)	\$0.00	(\$0.01)	(\$0.01)	(600.0%)	(0.0%)
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%	0.0%
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000	\$0.81	\$0.81	\$0.00	0.0%	0.0%
Default Service Charge	<u>\$0.25375</u>	<u>\$0.25375</u>	<u>\$0.00000</u>	<u>\$29.18</u>	<u>\$29.18</u>	<u>\$0.00</u>	<u>0.0%</u>	<u>0.0%</u>
Total kWh Charges	\$0.31880	\$0.33821	\$0.01941	\$36.66	\$38.89	\$2.23	6.1%	4.1%
Total Bill				\$55.04	\$57.27	\$2.23	4.1%	4.1%

Unitil Energy Systems, Inc.
Typical Bill Impacts by Rate Component

Large General - G1 550 kVa, 200,000 kWh Typical Bill

	6/1/2023	8/1/2023					%	%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	<u>Difference to Bill Component</u>	<u>Difference to Total Bill</u>
Customer Charge	\$162.18	\$162.18	\$0.00	\$162.18	\$162.18	\$0.00	0.0%	0.0%
	<u>All kVa</u>	<u>All kVa</u>						
Distribution Charge	\$8.53	\$8.53	\$0.00	\$4,691.50	\$4,691.50	\$0.00	0.0%	0.0%
Stranded Cost Charge	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.0%	0.0%
Total kVa Charges	\$8.53	\$8.53	\$0.00	\$4,691.50	\$4,691.50	\$0.00	0.0%	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>						
Distribution Charge	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%	0.0%
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953	\$5,066.00	\$8,972.00	\$3,906.00	77.1%	15.7%
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)	\$4.00	(\$20.00)	(\$24.00)	(600.0%)	(0.1%)
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%	0.0%
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000	\$1,400.00	\$1,400.00	\$0.00	0.0%	0.0%
Default Service Charge *	\$0.06793	\$0.06793	\$0.00000	\$13,586.00	\$13,586.00	\$0.00	0.0%	0.0%
Total kWh Charges	\$0.10028	\$0.11969	\$0.01941	\$20,056.00	\$23,938.00	\$3,882.00	19.4%	15.6%
Total Bill				\$24,909.68	\$28,791.68	\$3,882.00	15.6%	15.6%

* Default Service Charge for the G1 class is determined monthly. For purposes of this comparison, the rate is unchanged.

Unitil Energy Systems, Inc.
Typical Bill Impacts for Residential Rate Class based on Mean and Median Usage

Residential Rate D 640 kWh Bill - Mean Use*

	6/1/2023	8/1/2023					%	%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	<u>Difference to Bill Component</u>	<u>Difference to Total Bill</u>
Customer Charge	\$16.22	\$16.22	\$0.00	\$16.22	\$16.22	\$0.00	0.0%	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>						
Distribution Charge	\$0.04612	\$0.04612	\$0.00000	\$29.52	\$29.52	\$0.00	0.0%	0.0%
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953	\$16.21	\$28.71	\$12.50	77.1%	5.4%
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)	\$0.01	(\$0.06)	(\$0.08)	(600.0%)	(0.0%)
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%	0.0%
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000	\$4.48	\$4.48	\$0.00	0.0%	0.0%
Default Service Charge	<u>\$0.25925</u>	<u>\$0.25925</u>	<u>\$0.00000</u>	<u>\$165.92</u>	<u>\$165.92</u>	<u>\$0.00</u>	<u>0.0%</u>	<u>0.0%</u>
Total kWh Charges	\$0.33772	\$0.35713	\$0.01941					
Total Bill				\$232.36	\$244.78	\$12.42	5.3%	5.3%

Residential Rate D 505 kWh Bill - Median Use*

	6/1/2023	8/1/2023					%	%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	<u>Difference to Bill Component</u>	<u>Difference to Total Bill</u>
Customer Charge	\$16.22	\$16.22	\$0.00	\$16.22	\$16.22	\$0.00	0.0%	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>						
Distribution Charge	\$0.04612	\$0.04612	\$0.00000	\$23.29	\$23.29	\$0.00	0.0%	0.0%
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953	\$12.79	\$22.65	\$9.86	77.1%	5.3%
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)	\$0.01	(\$0.05)	(\$0.06)	(600.0%)	(0.0%)
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%	0.0%
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000	\$3.54	\$3.54	\$0.00	0.0%	0.0%
Default Service Charge	<u>\$0.25925</u>	<u>\$0.25925</u>	<u>\$0.00000</u>	<u>\$130.92</u>	<u>\$130.92</u>	<u>\$0.00</u>	<u>0.0%</u>	<u>0.0%</u>
Total kWh Charges	\$0.33772	\$0.35713	\$0.01941					
Total Bill				\$186.77	\$196.57	\$9.80	5.2%	5.2%

* Based on billing period January through December 2022.

Unitil Energy Systems, Inc.
Average Class Impacts
Due to Proposed Stranded Cost Charge and External Delivery Charge Rate Changes Effective August 1, 2023

(A) <u>Class of Service</u>	(B) Annual Number of Customers (luminaires for Outdoor Lighting)	(C) Annual kWh Sales	(D) Annual kW / kVA Sales	(E) Proposed SCC Change \$	(F) Proposed EDC Change \$	(G) Estimated Annual Revenue \$ Under Present Rates	(H) Estimated Annual Revenue \$ Under Proposed Rates	(I) Proposed Net Change Revenue \$	(J) % Change Net SCC & EDC Revenue
Residential	815,280	515,968,592	n/a	(\$61,916)	\$10,076,867	\$187,476,746	\$197,491,697	\$10,014,950	5.3%
General Service	134,344	317,056,821	1,234,532	(\$38,047)	\$6,192,120	\$109,657,540	\$115,811,613	\$6,154,073	5.6%
Large General Service	2,010	319,767,459	1,000,283	(\$38,372)	\$6,245,058	\$40,732,958	\$46,939,644	\$6,206,686	15.2%
Outdoor Lighting	108,601	7,625,729	n/a	(\$915)	\$148,930	\$4,039,435	\$4,187,451	\$148,015	3.7%
Total	1,060,234	1,160,418,601		(\$139,250)	\$22,662,975	\$341,906,680	\$364,430,405	\$22,523,725	6.6%

(B), (C), (D) Test year billing determinants in DE 21-030.

(E) and (F) Difference in proposed rate and current rate, times the billing determinants shown in Column (C).

(G) Based on current rates times billing determinants shown in Columns (B), (C) and (D).

(H) Sum of Columns (E) through (G)

(I) Column (H) minus Column (G)

(J) Column (E) + Column (F) divided by Column (G)

Unitil Energy Systems, Inc.
Typical Bill Impacts - June 1, 2023 vs. August 1, 2023
Due to Changes in the Stranded Cost Charge and External Delivery Charge
Impact on D Rate Customers

<u>Average kWh</u>	<u>Total Bill Using Rates 6/1/2023</u>	<u>Total Bill Using Rates 8/1/2023</u>	<u>Total Difference</u>	<u>% Total Difference</u>
125	\$58.44	\$60.86	\$2.43	4.2%
150	\$66.88	\$69.79	\$2.91	4.4%
200	\$83.76	\$87.65	\$3.88	4.6%
250	\$100.65	\$105.50	\$4.85	4.8%
300	\$117.54	\$123.36	\$5.82	5.0%
350	\$134.42	\$141.22	\$6.79	5.1%
400	\$151.31	\$159.07	\$7.76	5.1%
450	\$168.19	\$176.93	\$8.73	5.2%
500	\$185.08	\$194.79	\$9.70	5.2%
525	\$193.52	\$203.71	\$10.19	5.3%
550	\$201.97	\$212.64	\$10.68	5.3%
575	\$210.41	\$221.57	\$11.16	5.3%
600	\$218.85	\$230.50	\$11.65	5.3%
625	\$227.30	\$239.43	\$12.13	5.3%
650	\$235.74	\$248.35	\$12.62	5.4%
675	\$244.18	\$257.28	\$13.10	5.4%
700	\$252.62	\$266.21	\$13.59	5.4%
725	\$261.07	\$275.14	\$14.07	5.4%
750	\$269.51	\$284.07	\$14.56	5.4%
775	\$277.95	\$293.00	\$15.04	5.4%
825	\$294.84	\$310.85	\$16.01	5.4%
925	\$328.61	\$346.57	\$17.95	5.5%
1,000	\$353.94	\$373.35	\$19.41	5.5%
1,250	\$438.37	\$462.63	\$24.26	5.5%
1,500	\$522.80	\$551.92	\$29.12	5.6%
2,000	\$691.66	\$730.48	\$38.82	5.6%
3,500	\$1,198.24	\$1,266.18	\$67.93	5.7%
5,000	\$1,704.82	\$1,801.87	\$97.05	5.7%

	<u>Rates - Effective June 1, 2023</u>	<u>Rates - Proposed August 1, 2023</u>	<u>Difference</u>
Customer Charge	\$16.22	\$16.22	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge:	\$0.04612	\$0.04612	\$0.00000
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)
Storm Recovery Adjustment Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000
Default Service Charge	<u>\$0.25925</u>	<u>\$0.25925</u>	<u>\$0.00000</u>
TOTAL	\$0.33772	\$0.35713	\$0.01941

Unitil Energy Systems, Inc.
Typical Bill Impacts - June 1, 2023 vs. August 1, 2023
Due to Changes in the Stranded Cost Charge and External Delivery Charge
Impact on G2 Rate Customers

Load Factor	Average Monthly kW	Average Monthly kWh	Total Bill Using Rates 6/1/2023	Total Bill Using Rates 8/1/2023	Total Difference	% Total Difference
20%	5	730	\$298.69	\$312.86	\$14.17	4.7%
20%	10	1,460	\$568.20	\$596.53	\$28.34	5.0%
20%	15	2,190	\$837.70	\$880.21	\$42.51	5.1%
20%	25	3,650	\$1,376.71	\$1,447.55	\$70.85	5.1%
20%	50	7,300	\$2,724.22	\$2,865.91	\$141.69	5.2%
20%	75	10,950	\$4,071.74	\$4,284.27	\$212.54	5.2%
20%	100	14,600	\$5,419.25	\$5,702.64	\$283.39	5.2%
20%	150	21,900	\$8,114.28	\$8,539.36	\$425.08	5.2%
36%	5	1,314	\$465.78	\$491.28	\$25.50	5.5%
36%	10	2,628	\$902.36	\$953.37	\$51.01	5.7%
36%	15	3,942	\$1,338.95	\$1,415.46	\$76.51	5.7%
36%	25	6,570	\$2,212.12	\$2,339.64	\$127.52	5.8%
36%	50	13,140	\$4,395.04	\$4,650.09	\$255.05	5.8%
36%	75	19,710	\$6,577.97	\$6,960.54	\$382.57	5.8%
36%	100	26,280	\$8,760.90	\$9,270.99	\$510.09	5.8%
36%	150	39,420	\$13,126.75	\$13,891.89	\$765.14	5.8%
50%	5	1,825	\$611.97	\$647.40	\$35.42	5.8%
50%	10	3,650	\$1,194.76	\$1,265.60	\$70.85	5.9%
50%	15	5,475	\$1,777.54	\$1,883.81	\$106.27	6.0%
50%	25	9,125	\$2,943.10	\$3,120.22	\$177.12	6.0%
50%	50	18,250	\$5,857.02	\$6,211.25	\$354.23	6.0%
50%	75	27,375	\$8,770.93	\$9,302.28	\$531.35	6.1%
50%	100	36,500	\$11,684.84	\$12,393.31	\$708.46	6.1%
50%	150	54,750	\$17,512.67	\$18,575.36	\$1,062.70	6.1%

	<u>Rates - Effective June 1, 2023</u>	<u>Rates - Proposed August 1, 2023</u>	<u>Difference</u>
Customer Charge	\$29.19	\$29.19	\$0.00
	<u>All kW</u>	<u>All kW</u>	<u>All kW</u>
Distribution Charge	\$12.13	\$12.13	\$0.00
Stranded Cost Charge	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
TOTAL	\$12.13	\$12.13	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge	\$0.00000	\$0.00000	\$0.00000
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)
Storm Recovery Adj. Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000
Default Service Charge	<u>\$0.25375</u>	<u>\$0.25375</u>	<u>\$0.00000</u>
TOTAL	\$0.28610	\$0.30551	\$0.01941

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2023 vs. August 1, 2023 Due to Changes in the Stranded Cost Charge and External Delivery Charge Impact on G2 kWh Meter Rate Customers				
Average Monthly kWh	Total Bill Using Rates 6/1/2023	Total Bill Using Rates 8/1/2023	Total Difference	% Total Difference
15	\$23.16	\$23.45	\$0.29	1.3%
75	\$42.29	\$43.75	\$1.46	3.4%
150	\$66.20	\$69.11	\$2.91	4.4%
250	\$98.08	\$102.93	\$4.85	4.9%
350	\$129.96	\$136.75	\$6.79	5.2%
450	\$161.84	\$170.57	\$8.73	5.4%
550	\$193.72	\$204.40	\$10.68	5.5%
650	\$225.60	\$238.22	\$12.62	5.6%
750	\$257.48	\$272.04	\$14.56	5.7%
900	\$305.30	\$322.77	\$17.47	5.7%
	Rates - Effective June 1, 2023	Rates - Proposed August 1, 2023	Difference	
kWh Meter Customer Charge	\$18.38	\$18.38	\$0.00	
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>	
Distribution Charge	\$0.03270	\$0.03270	\$0.00000	
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953	
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)	
Storm Recovery Adjustment Factor	\$0.00000	\$0.00000	\$0.00000	
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000	
Default Service Charge	<u>\$0.25375</u>	<u>\$0.25375</u>	<u>\$0.00000</u>	
TOTAL	\$0.31880	\$0.33821	\$0.01941	

Unitil Energy Systems, Inc.
Typical Bill Impacts - June 1, 2023 vs. August 1, 2023
Due to Changes in the Stranded Cost Charge and External Delivery Charge
Impact on G2 QRWH and SH Rate Customers

Average kWh	Total Bill Using Rates 6/1/2023	Total Bill Using Rates 8/1/2023	Total Difference	% Total Difference
100	\$42.01	\$43.95	\$1.94	4.6%
200	\$74.29	\$78.17	\$3.88	5.2%
300	\$106.57	\$112.39	\$5.82	5.5%
400	\$138.85	\$146.61	\$7.76	5.6%
500	\$171.13	\$180.83	\$9.70	5.7%
750	\$251.82	\$266.38	\$14.56	5.8%
1,000	\$332.52	\$351.93	\$19.41	5.8%
1,500	\$493.92	\$523.03	\$29.12	5.9%
2,000	\$655.31	\$694.13	\$38.82	5.9%
2,500	\$816.71	\$865.23	\$48.53	5.9%

	<u>Rates - Effective June 1, 2023</u>	<u>Rates - Proposed August 1, 2023</u>	<u>Difference</u>
Customer Charge	\$9.73	\$9.73	\$0.00
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.03669	\$0.03669	\$0.00000
External Delivery Charge	\$0.02533	\$0.04486	\$0.01953
Stranded Cost Charge	\$0.00002	(\$0.00010)	(\$0.00012)
Storm Recovery Adjustment Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00700	\$0.00700	\$0.00000
Default Service Charge	<u>\$0.25375</u>	<u>\$0.25375</u>	<u>\$0.00000</u>
TOTAL	\$0.32279	\$0.34220	\$0.01941

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2023 vs. August 1, 2023 Due to Changes in the Stranded Cost Charge and External Delivery Charge Impact on G1 Rate Customers						
Load Factor	Average Monthly kVa	Average Monthly kWh	Total Bill Using Rates 6/1/2023	Total Bill Using Rates 8/1/2023	Total Difference	% Total Difference
25.0%	200	36,500	\$5,528.40	\$6,236.87	\$708.47	12.8%
25.0%	400	73,000	\$10,894.62	\$12,311.55	\$1,416.93	13.0%
25.0%	600	109,500	\$16,260.84	\$18,386.24	\$2,125.40	13.1%
25.0%	800	146,000	\$21,627.06	\$24,460.92	\$2,833.86	13.1%
25.0%	1,000	182,500	\$26,993.28	\$30,535.61	\$3,542.33	13.1%
25.0%	1,500	273,750	\$40,408.83	\$45,722.32	\$5,313.49	13.1%
25.0%	2,000	365,000	\$53,824.38	\$60,909.03	\$7,084.65	13.2%
25.0%	2,500	456,250	\$67,239.93	\$76,095.74	\$8,855.81	13.2%
25.0%	3,000	547,500	\$80,655.48	\$91,282.46	\$10,626.98	13.2%
40.0%	200	58,400	\$7,724.53	\$8,858.08	\$1,133.54	14.7%
40.0%	400	116,800	\$15,286.88	\$17,553.97	\$2,267.09	14.8%
40.0%	600	175,200	\$22,849.24	\$26,249.87	\$3,400.63	14.9%
40.0%	800	233,600	\$30,411.59	\$34,945.76	\$4,534.18	14.9%
40.0%	1,000	292,000	\$37,973.94	\$43,641.66	\$5,667.72	14.9%
40.0%	1,500	438,000	\$56,879.82	\$65,381.40	\$8,501.58	14.9%
40.0%	2,000	584,000	\$75,785.70	\$87,121.14	\$11,335.44	15.0%
40.0%	2,500	730,000	\$94,691.58	\$108,860.88	\$14,169.30	15.0%
40.0%	3,000	876,000	\$113,597.46	\$130,600.62	\$17,003.16	15.0%
57.0%	200	83,220	\$10,213.48	\$11,828.78	\$1,615.30	15.8%
57.0%	400	166,440	\$20,264.78	\$23,495.38	\$3,230.60	15.9%
57.0%	600	249,660	\$30,316.08	\$35,161.99	\$4,845.90	16.0%
57.0%	800	332,880	\$40,367.39	\$46,828.59	\$6,461.20	16.0%
57.0%	1,000	416,100	\$50,418.69	\$58,495.19	\$8,076.50	16.0%
57.0%	1,500	624,150	\$75,546.94	\$87,661.69	\$12,114.75	16.0%
57.0%	2,000	832,200	\$100,675.20	\$116,828.20	\$16,153.00	16.0%
57.0%	2,500	1,040,250	\$125,803.45	\$145,994.70	\$20,191.25	16.0%
57.0%	3,000	1,248,300	\$150,931.70	\$175,161.21	\$24,229.50	16.1%
71.0%	200	103,660	\$12,263.20	\$14,275.25	\$2,012.04	16.4%
71.0%	400	207,320	\$24,364.23	\$28,388.31	\$4,024.08	16.5%
71.0%	600	310,980	\$36,465.25	\$42,501.38	\$6,036.12	16.6%
71.0%	800	414,640	\$48,566.28	\$56,614.44	\$8,048.16	16.6%
71.0%	1,000	518,300	\$60,667.30	\$70,727.51	\$10,060.20	16.6%
71.0%	1,500	777,450	\$90,919.87	\$106,010.17	\$15,090.30	16.6%
71.0%	2,000	1,036,600	\$121,172.43	\$141,292.83	\$20,120.41	16.6%
71.0%	2,500	1,295,750	\$151,424.99	\$176,575.50	\$25,150.51	16.6%
71.0%	3,000	1,554,900	\$181,677.55	\$211,858.16	\$30,180.61	16.6%
			Rates - Effective June 1, 2023	Rates - Proposed August 1, 2023	Difference	
Customer Charge			\$162.18	\$162.18	\$0.00	
			<u>All kVA</u>	<u>All kVA</u>	<u>All kVA</u>	
Distribution Charge			\$8.53	\$8.53	\$0.00	
Stranded Cost Charge			<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	
TOTAL			\$8.53	\$8.53	\$0.00	
			<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>	
Distribution Charge			\$0.00000	\$0.00000	\$0.00000	
External Delivery Charge			\$0.02533	\$0.04486	\$0.01953	
Stranded Cost Charge			\$0.00002	(\$0.00010)	(\$0.00012)	
Storm Recovery Adjustment Factor			\$0.00000	\$0.00000	\$0.00000	
System Benefits Charge			\$0.00700	\$0.00700	\$0.00000	
Default Service Charge*			<u>\$0.06793</u>	<u>\$0.06793</u>	<u>\$0.00000</u>	
TOTAL			\$0.10028	\$0.11969	\$0.01941	
* Default Service Charge for the G1 class is determined monthly. For purposes of this comparison, the June 2023 rate is unchanged.						

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2023 vs. August 1, 2023 Due to Changes in the Stranded Cost Charge and External Delivery Charge Impact on OL Rate Customers *								
	Nominal Watts	Lumens	Type	Average Monthly kWh	Total Bill Using Rates 6/1/2023	Total Bill Using Rates 8/1/2023	Total Difference	% Total Difference
Mercury Vapor:								
1	100	3,500	ST	43	\$26.03	\$26.87	\$0.83	3.2%
2	175	7,000	ST	71	\$36.04	\$37.42	\$1.38	3.8%
3	250	11,000	ST	100	\$45.86	\$47.80	\$1.94	4.2%
4	400	20,000	ST	157	\$62.17	\$65.22	\$3.05	4.9%
5	1,000	60,000	ST	372	\$131.21	\$138.43	\$7.22	5.5%
6	250	11,000	FL	100	\$46.86	\$48.80	\$1.94	4.1%
7	400	20,000	FL	157	\$66.49	\$69.54	\$3.05	4.6%
8	1,000	60,000	FL	380	\$134.01	\$141.38	\$7.38	5.5%
9	100	3,500	PB	48	\$27.17	\$28.10	\$0.93	3.4%
10	175	7,000	PB	71	\$34.96	\$36.34	\$1.38	3.9%
High Pressure Sodium:								
11	50	4,000	ST	23	\$20.31	\$20.76	\$0.45	2.2%
12	100	9,500	ST	48	\$29.46	\$30.39	\$0.93	3.2%
13	150	16,000	ST	65	\$35.85	\$37.11	\$1.26	3.5%
14	250	30,000	ST	102	\$48.71	\$50.69	\$1.98	4.1%
15	400	50,000	ST	161	\$70.84	\$73.97	\$3.13	4.4%
16	1,000	140,000	ST	380	\$151.23	\$158.60	\$7.38	4.9%
17	150	16,000	FL	65	\$36.85	\$38.11	\$1.26	3.4%
18	250	30,000	FL	102	\$50.75	\$52.73	\$1.98	3.9%
19	400	50,000	FL	161	\$71.35	\$74.48	\$3.13	4.4%
20	1,000	140,000	FL	380	\$151.61	\$158.98	\$7.38	4.9%
21	50	4,000	PB	23	\$20.02	\$20.47	\$0.45	2.2%
22	100	9,500	PB	48	\$28.38	\$29.31	\$0.93	3.3%
Metal Halide:								
23	175	8,800	ST	74	\$38.42	\$39.86	\$1.44	3.7%
24	1,000	86,000	FL	374	\$132.29	\$139.55	\$7.26	5.5%
LED								
25	35	3,000	AL	12	\$16.87	\$17.11	\$0.23	1.4%
26	47	4,000	AL	16	\$19.23	\$19.54	\$0.31	1.6%
27	30	3,300	ST	10	\$16.59	\$16.79	\$0.19	1.2%
28	50	5,000	ST	17	\$20.59	\$20.92	\$0.33	1.6%
29	100	11,000	ST	35	\$27.26	\$27.94	\$0.68	2.5%
30	120	18,000	ST	42	\$31.55	\$32.36	\$0.82	2.6%
31	140	18,000	ST	48	\$38.51	\$39.44	\$0.93	2.4%
32	260	31,000	ST	90	\$68.26	\$70.01	\$1.75	2.6%
33	70	10,000	FL	24	\$25.12	\$25.58	\$0.47	1.9%
34	90	10,000	FL	31	\$30.44	\$31.04	\$0.60	2.0%
35	110	15,000	FL	38	\$36.16	\$36.90	\$0.74	2.0%
36	370	46,000	FL	128	\$79.51	\$82.00	\$2.48	3.1%
Luminaire Charges For Year Round Service:								
Rates - Effective June 1, 2023		Mercury Vapor Rate/Mo.		Sodium Vapor Rate/Mo.		Metal Halide Rate/Mo.		LED Rate/Mo.
Customer Charge	\$0.00	1 \$13.73	11 \$13.73	23 \$17.25	25 \$13.44	2 \$15.73	12 \$15.73	24 \$25.29
		3 \$17.25	13 \$17.25		27 \$13.73	4 \$17.25	14 \$19.53	
Distribution Charge	\$0.00000	5 \$24.78	15 \$24.78		29 \$17.25	6 \$18.25	16 \$42.51	
External Delivery Charge	\$0.02533	7 \$21.57	17 \$18.25		31 \$24.78	8 \$25.29	18 \$21.57	
Stranded Cost Charge	\$0.00002	9 \$13.44	19 \$25.29		33 \$18.25	10 \$14.65	20 \$42.89	
Storm Recovery Adj. Factor	\$0.00000		21 \$13.44		35 \$25.29		22 \$14.65	
System Benefits Charge	\$0.00700							
Default Service Charge	\$0.25375							
TOTAL	\$0.28610							
Rates - Proposed August 1, 2023		Mercury Vapor Rate/Mo.		Sodium Vapor Rate/Mo.		Metal Halide Rate/Mo.		LED Rate/Mo.
Customer Charge	\$0.00	1 \$13.73	11 \$13.73	23 \$17.25	25 \$13.44	2 \$15.73	12 \$15.73	24 \$25.29
		3 \$17.25	13 \$17.25		27 \$13.73	4 \$17.25	14 \$19.53	
Distribution Charge	\$0.00000	5 \$24.78	15 \$24.78		29 \$17.25	6 \$18.25	16 \$42.51	
External Delivery Charge	\$0.04486	7 \$21.57	17 \$18.25		31 \$24.78	8 \$25.29	18 \$21.57	
Stranded Cost Charge	(\$0.00010)	9 \$13.44	19 \$25.29		33 \$18.25	10 \$14.65	20 \$42.89	
Storm Recovery Adj. Factor	\$0.00000		21 \$13.44		35 \$25.29		22 \$14.65	
System Benefits Charge	\$0.00700							
Default Service Charge	\$0.25375							
TOTAL	\$0.30551							
Difference		Mercury Vapor Rate/Mo.		Sodium Vapor Rate/Mo.		Metal Halide Rate/Mo.		LED Rate/Mo.
Customer Charge	\$0.00	1 \$0.00	11 \$0.00	23 \$0.00	25 \$0.00	2 \$0.00	12 \$0.00	24 \$0.00
		3 \$0.00	13 \$0.00		27 \$0.00	4 \$0.00	14 \$0.00	
Distribution Charge	\$0.00000	5 \$0.00	15 \$0.00		29 \$0.00	6 \$0.00	16 \$0.00	
External Delivery Charge	\$0.01953	7 \$0.00	17 \$0.00		31 \$0.00	8 \$0.00	18 \$0.00	
Stranded Cost Charge	(\$0.00012)	9 \$0.00	19 \$0.00		33 \$0.00	10 \$0.00	20 \$0.00	
Storm Recovery Adj. Factor	\$0.00000		21 \$0.00		35 \$0.00		22 \$0.00	
System Benefits Charge	\$0.00000							
Default Service Charge	\$0.00000							
TOTAL	\$0.01941							
* Luminaire charges based on All-Night Service option.								

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2023 vs. August 1, 2023 Due to Changes in the Stranded Cost Charge and External Delivery Charge Impact on Tariffed Customer Supplied LED Rate Customers									
	Nominal Watts	Lumens	Type	Current Average Monthly kWh	Percentage of Lights	Total Bill Using Rates 6/1/2023	Total Bill Using Rates 8/1/2023	Total Difference	% Total Difference
<u>CS LED</u>									
1	35	3,000	AL	12	0.0%	\$10.43	\$10.67	\$0.23	2.2%
2	47	4,000	AL	16	0.0%	\$12.79	\$13.10	\$0.31	2.4%
3	30	3,300	ST	10	0.0%	\$12.57	\$12.77	\$0.19	1.5%
4	50	5,000	ST	17	0.0%	\$16.78	\$17.11	\$0.33	2.0%
5	100	11,000	ST	35	0.0%	\$22.49	\$23.17	\$0.68	3.0%
6	120	18,000	ST	42	0.0%	\$26.78	\$27.59	\$0.82	3.0%
7	140	18,000	ST	48	0.0%	\$31.56	\$32.49	\$0.93	3.0%
8	260	31,000	ST	90	0.0%	\$59.31	\$61.06	\$1.75	2.9%
9	70	10,000	FL	24	0.0%	\$18.11	\$18.57	\$0.47	2.6%
10	90	10,000	FL	31	0.0%	\$23.43	\$24.03	\$0.60	2.6%
11	110	15,000	FL	38	0.0%	\$28.23	\$28.97	\$0.74	2.6%
12	370	46,000	FL	128	0.0%	\$63.62	\$66.11	\$2.48	3.9%
Rates - Effective June 1, 2023									
Customer Charge		\$0.00			Rates - Proposed August 1, 2023				
		<u>All kWh</u>				<u>All kWh</u>		Difference	
Distribution Charge		\$0.00000			Distribution Charge	\$0.00000		Distribution Charge	\$0.00000
External Delivery Charge		\$0.02533			External Delivery Charge	\$0.04486		External Delivery Charge	\$0.01953
Stranded Cost Charge		\$0.00002			Stranded Cost Charge	(\$0.00010)		Stranded Cost Charge	(\$0.00012)
Storm Recovery Adj. Factor		\$0.00000			Storm Recovery Adj. Factor	\$0.00000		Storm Recovery Adj. Factor	\$0.00000
System Benefits Charge		\$0.00700			System Benefits Charge	\$0.00700		System Benefits Charge	\$0.00000
Fixed Default Service Charge		<u>\$0.25375</u>			Fixed Default Service Charge	<u>\$0.25375</u>		Fixed Default Service Charge	<u>\$0.00000</u>
TOTAL		\$0.28610			TOTAL	\$0.30551		TOTAL	\$0.01941
Luminaire Charges:									
	<u>CS LED Rate/Mo.</u>					<u>CS LED Rate/Mo.</u>		<u>Luminaire Charges:</u>	
1	\$7.00				1	\$7.00		1	\$0.00
2	\$8.21				2	\$8.21		2	\$0.00
3	\$9.71				3	\$9.71		3	\$0.00
4	\$11.92				4	\$11.92		4	\$0.00
5	\$12.48				5	\$12.48		5	\$0.00
6	\$14.76				6	\$14.76		6	\$0.00
7	\$17.83				7	\$17.83		7	\$0.00
8	\$33.56				8	\$33.56		8	\$0.00
9	\$11.24				9	\$11.24		9	\$0.00
10	\$14.56				10	\$14.56		10	\$0.00
11	\$17.36				11	\$17.36		11	\$0.00
12	\$27.00				12	\$27.00		12	\$0.00

Unitil Energy Systems, Inc.
Average Class Impacts

Due to Proposed External Delivery Charge, Stranded Cost Charge, Revenue Decoupling Adjustment Factor, and Default Service Rate Changes
Effective August 1, 2023

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
<u>Class of Service</u>	<u>Annual Number of Customers (luminaires for Outdoor Lighting)</u>	<u>Annual kWh Sales</u>	<u>Annual kW / kVA Sales</u>	<u>Proposed EDC, SCC, RDAF, and DSC Change \$</u>	<u>Estimated Annual Revenue \$ Under Present Rates</u>	<u>Estimated Annual Revenue \$ Under Proposed Rates</u>	<u>Proposed Net Change Revenue \$</u>	<u>% Change Revenue</u>
Residential	815,280	515,968,592	n/a	(\$54,388,249)	\$187,476,746	\$133,088,497	(\$54,388,249)	(29.0%)
General Service	134,344	317,056,821	1,234,532	(\$33,741,187)	\$109,657,540	\$75,916,353	(\$33,741,187)	(30.8%)
Large General Service*	2,010	319,767,459	1,000,283	\$6,251,454	\$40,732,958	\$46,984,412	\$6,251,454	15.3%
Outdoor Lighting	108,601	7,625,729	n/a	(\$811,378)	\$4,039,435	\$3,228,058	(\$811,378)	(20.1%)
Total	1,060,234	1,160,418,601		(\$82,689,360)	\$341,906,680	\$259,217,320	(\$82,689,360)	(24.2%)

* Default Service Charge for the G1 class is determined monthly. For purposes of this comparison, the June 2023 rate is unchanged.

(B), (C), (D) Test year billing determinants in DE 21-030.

(E) Difference in proposed rates and current rates, times the billing determinants shown in Column (C).

(F) Based on current rates times billing determinants shown in Columns (B), (C) and (D).

(G) Sum of Columns (E) and (F)

(H) Column (G) minus Column (F)

(I) Column (H) divided by Column (F)