

**CALCULATION OF THE DEFAULT SERVICE CHARGE**

**Non-G1 Class Default Service:**

	<b>Dec-22</b>	<b>Jan-23</b>	<b>Feb-23</b>	<b>Mar-23</b>	<b>Apr-23</b>	<b>May-23</b>	<b>Jun-23</b>	<b>Jul-23</b>	<b>Total</b>
<b>Power Supply Charge</b>									
<b>Residential Class</b>									
1 Reconciliation	(\$48,153)	(\$53,995)	(\$53,842)	(\$47,775)	(\$41,926)	(\$38,888)	(\$39,581)	(\$51,789)	(\$375,948)
2 Total Costs	\$12,855,856	\$17,879,706	\$16,900,954	\$9,396,545	\$5,441,733	\$4,404,693	\$4,233,465	\$6,444,992	\$77,557,943
3 Reconciliation plus Total Costs (L.1 + L.2)	\$12,807,703	\$17,825,711	\$16,847,112	\$9,348,770	\$5,399,806	\$4,365,805	\$4,193,884	\$6,393,203	\$77,181,995
4 kWh Purchases	<u>41,415,875</u>	<u>46,440,534</u>	<u>46,308,877</u>	<u>41,090,869</u>	<u>36,060,675</u>	<u>33,447,286</u>	<u>34,043,152</u>	<u>44,543,620</u>	<u>323,350,888</u>
5 Total, Before Losses (L.3 / L.4)	\$0.30925	\$0.38384	\$0.36380	\$0.22751	\$0.14974	\$0.13053	\$0.12319	\$0.14353	\$0.23869
6 Losses	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>
Total Retail Rate - Residential Variable Power Supply Charge (L.5 * (1+L.6))	\$0.32904	\$0.40841	\$0.38708	\$0.24208	\$0.15933	\$0.13888	\$0.13108	\$0.15271	
8 Total Retail Rate - Residential Fixed Power Supply Charge (L.5 * (1+L.6))									\$0.25397
<b>G2 and OL Class</b>									
9 Reconciliation	(\$18,626)	(\$19,956)	(\$19,685)	(\$18,777)	(\$17,507)	(\$17,775)	(\$18,102)	(\$20,827)	(\$151,254)
10 Total Costs	\$4,960,460	\$6,711,190	\$6,302,109	\$3,708,307	\$2,244,743	\$1,971,467	\$1,994,140	\$2,634,684	\$30,527,100
11 Reconciliation plus Total Costs (L.9 + L.10)	\$4,941,834	\$6,691,235	\$6,282,425	\$3,689,530	\$2,227,236	\$1,953,692	\$1,976,038	\$2,613,857	\$30,375,845
12 kWh Purchases	<u>16,018,075</u>	<u>17,161,442</u>	<u>16,928,347</u>	<u>16,147,841</u>	<u>15,055,803</u>	<u>15,286,171</u>	<u>15,567,560</u>	<u>17,910,900</u>	<u>130,076,139</u>
13 Total, Before Losses (L.11 / L.12)	\$0.30852	\$0.38990	\$0.37112	\$0.22848	\$0.14793	\$0.12781	\$0.12693	\$0.14594	\$0.23352
14 Losses	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>
Total Retail Rate - G2 and OL Variable Power Supply Charge (L.13 * (1+L.14))	\$0.32826	\$0.41485	\$0.39487	\$0.24311	\$0.15740	\$0.13599	\$0.13506	\$0.15528	
16 Total Retail Rate - G2 and OL Fixed Power Supply Charge (L.13 * (1+L.14))									\$0.24847

<b>Renewable Portfolio Standard (RPS) Charge</b>									
17 Reconciliation	(\$128,228)	(\$141,998)	(\$141,184)	(\$127,792)	(\$114,123)	(\$108,803)	(\$110,761)	(\$139,436)	(\$1,012,325)
18 Total Costs	<u>\$405,384</u>	<u>\$458,718</u>	<u>\$456,087</u>	<u>\$412,828</u>	<u>\$368,675</u>	<u>\$351,492</u>	<u>\$357,820</u>	<u>\$450,448</u>	<u>\$3,261,451</u>
19 Reconciliation plus Total Costs (L.17 + L.18)	\$277,156	\$316,720	\$314,903	\$285,036	\$254,552	\$242,690	\$247,058	\$311,011	\$2,249,126
20 kWh Purchases	<u>57,433,950</u>	<u>63,601,975</u>	<u>63,237,224</u>	<u>57,238,710</u>	<u>51,116,478</u>	<u>48,733,457</u>	<u>49,610,712</u>	<u>62,454,520</u>	<u>453,427,027</u>
21 Total, Before Losses (L.19 / L.20)	\$0.00483	\$0.00498	\$0.00498	\$0.00498	\$0.00498	\$0.00498	\$0.00498	\$0.00498	\$0.00496
22 Losses	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>
23 Total Retail Rate - Variable RPS Charge (L.21 * (1+L.22))	\$0.00513	\$0.00530	\$0.00530	\$0.00530	\$0.00530	\$0.00530	\$0.00530	\$0.00530	
24 Total Retail Rate - Fixed RPS Charge (L.21 * (1+L.22))									\$0.00528

<b>TOTAL DEFAULT SERVICE CHARGE</b>									
25 Total Retail Rate - Residential Variable Default Service Charge (L.7 + L.23)	<b>\$0.33417</b>	<b>\$0.41371</b>	<b>\$0.39238</b>	<b>\$0.24738</b>	<b>\$0.16463</b>	<b>\$0.14418</b>	<b>\$0.13638</b>	<b>\$0.15801</b>	
26 Total Retail Rate - Residential Fixed Default Service Charge (L.8+L.24)									<b>\$0.25925</b>
27 Total Retail Rate - G2 and OL Variable Default Service Charge (L.15 + L.23)	<b>\$0.33339</b>	<b>\$0.42015</b>	<b>\$0.40017</b>	<b>\$0.24841</b>	<b>\$0.16270</b>	<b>\$0.14129</b>	<b>\$0.14036</b>	<b>\$0.16058</b>	
28 Total Retail Rate - G2 and OL Fixed Default Service Charge (L.16+L.24)									<b>\$0.25375</b>

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Issued By: Robert B. Hevert  
 Sr. Vice President

**CALCULATION OF THE DEFAULT SERVICE CHARGE**

**Non-G1 Class Default Service:**

	<u>Jun-22</u>	<u>Jul-22</u>	<u>Aug-22</u>	<u>Sep-22</u>	<u>Oct-22</u>	<u>Nov-22</u>	<u>Total</u>
<b>Power Supply Charge</b>							
<b>Residential Class</b>							
1 Reconciliation	(\$52,449)	(\$67,924)	(\$77,770)	(\$60,368)	(\$49,458)	(\$54,811)	(\$362,781)
2 Total-Costs	\$2,707,394	\$3,872,078	\$4,540,764	\$3,280,713	\$2,827,234	\$4,226,695	\$21,454,879
3 Reconciliation plus Total-Costs (L.1 + L.2)	\$2,654,944	\$3,804,154	\$4,462,994	\$3,220,345	\$2,777,776	\$4,171,884	\$21,092,098
4 kWh Purchases	<u>33,522,825</u>	<u>43,413,342</u>	<u>49,706,529</u>	<u>38,583,854</u>	<u>31,610,590</u>	<u>35,032,503</u>	<u>231,869,643</u>
5 Total, Before Losses (L.3 / L.4)	\$0.07920	\$0.08763	\$0.08979	\$0.08346	\$0.08787	\$0.11909	\$0.09097
6 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
7 Total Retail Rate – Residential Variable Power Supply Charge (L.5 * (1+L.6))	\$0.08427	\$0.09323	\$0.09553	\$0.08881	\$0.09350	\$0.12671	
8 Total Retail Rate – Residential Fixed Power Supply Charge (L.5 * (1+L.6))							\$0.09679
<b>G2 and OL Class</b>							
9 Reconciliation	(\$25,800)	(\$29,758)	(\$32,372)	(\$27,994)	(\$24,823)	(\$25,153)	(\$165,900)
10 Total-Costs	\$1,216,247	\$1,612,248	\$1,794,453	\$1,369,359	\$1,268,844	\$1,807,126	\$9,068,277
11 Reconciliation plus Total-Costs (L.9 + L.10)	\$1,190,447	\$1,582,490	\$1,762,081	\$1,341,365	\$1,244,021	\$1,781,973	\$8,902,377
12 kWh Purchases	<u>16,490,877</u>	<u>19,021,120</u>	<u>20,692,145</u>	<u>17,893,536</u>	<u>15,866,604</u>	<u>16,077,538</u>	<u>106,041,819</u>
13 Total, Before Losses (L.11 / L.12)	\$0.07219	\$0.08320	\$0.08516	\$0.07496	\$0.07840	\$0.11084	\$0.08395
14 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
15 Total Retail Rate – G2 and OL Variable Power Supply Charge (L.13 * (1+L.14))	\$0.07681	\$0.08852	\$0.09061	\$0.07976	\$0.08342	\$0.11793	
16 Total Retail Rate – G2 and OL Fixed Power Supply Charge (L.13 * (1+L.14))							\$0.08932

<b>Renewable Portfolio Standard (RPS) Charge</b>							
17 Reconciliation	(\$150,253)	(\$187,567)	(\$211,494)	(\$169,671)	(\$142,632)	(\$153,546)	(\$1,015,164)
18 Total-Costs	<u>\$356,315</u>	<u>\$444,798</u>	<u>\$501,533</u>	<u>\$402,361</u>	<u>\$338,245</u>	<u>\$364,122</u>	<u>\$2,407,374</u>
19 Reconciliation plus Total-Costs (L.17 + L.18)	\$206,063	\$257,230	\$290,039	\$232,690	\$195,613	\$210,576	\$1,392,210
20 kWh Purchases	<u>\$0.013,703</u>	<u>62,434,462</u>	<u>70,398,674</u>	<u>56,477,390</u>	<u>47,477,194</u>	<u>51,110,040</u>	<u>337,911,462</u>
21 Total, Before Losses (L.19 / L.20)	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412
22 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
23 Total Retail Rate – Variable RPS Charge (L.21 * (1+L.22))	\$0.00438	\$0.00438	\$0.00438	\$0.00438	\$0.00438	\$0.00438	
24 Total Retail Rate – Fixed RPS Charge (L.21 * (1+L.22))							\$0.00438

<b>TOTAL DEFAULT SERVICE CHARGE</b>							
25 Total Retail Rate – Residential Variable Default Service Charge (L.7 + L.23)	\$0.08865	\$0.09761	\$0.09991	\$0.09319	\$0.09788	\$0.13109	
26 Total Retail Rate – Residential Fixed Default Service Charge (L.8 + L.24)							\$0.10117
27 Total Retail Rate – G2 and OL Variable Default Service Charge (L.15 + L.23)	\$0.08119	\$0.09290	\$0.09499	\$0.08414	\$0.08780	\$0.12231	
28 Total Retail Rate – G2 and OL Fixed Default Service Charge (L.16 + L.24)							\$0.09370

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

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**CALCULATION OF THE DEFAULT SERVICE CHARGE**

<b>G1 Class Default Service:</b>									
	<u>Dec-22</u>	<u>Jan-23</u>	<u>Feb-23</u>	<u>Mar-23</u>	<u>Apr-23</u>	<u>May-23</u>	<u>Jun-23</u>	<u>Jul-23</u>	<u>Total</u>
<b>Power Supply Charge</b>									
1 Reconciliation									\$210,620
2 Total Costs excl. wholesale supplier charge									<u>\$41,107</u>
3 Reconciliation plus Total Costs excl. wholesale supplier charge (L.1 + L.2)									\$251,727
4 kWh Purchases									<u>37,095,826</u>
5 Total, Before Losses (L.3 / L.4)									\$0.00679
6 Losses									<u>4.591%</u>
7 Power Supply Charge excl. wholesale supplier charge (L.5 * (1+L.6))	\$0.00710	\$0.00710	\$0.00710	\$0.00710	\$0.00710	\$0.00710	\$0.00710	\$0.00710	\$0.00710
8a Wholesale Supplier Charge	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
8b Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	
8 Retail Rate - Wholesale Supplier Charge (L.8a * (1+L.8b))	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
9 Total Retail Rate - Power Supply Charge (L.7 + L.8)	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
<b>Renewable Portfolio Standard (RPS) Charge</b>									
10 Reconciliation	(\$9,331)	(\$9,747)	(\$9,512)	(\$9,506)	(\$9,061)	(\$9,629)	(\$9,805)	(\$10,832)	(\$77,423)
11 Total Costs	<u>\$32,062</u>	<u>\$34,225</u>	<u>\$33,398</u>	<u>\$33,377</u>	<u>\$31,815</u>	<u>\$33,810</u>	<u>\$34,428</u>	<u>\$38,033</u>	<u>\$271,149</u>
12 Reconciliation plus Total Costs (L.10+ L.11)	\$22,732	\$24,478	\$23,886	\$23,871	\$22,754	\$24,181	\$24,623	\$27,201	\$193,726
13 kWh Purchases	<u>4,470,675</u>	<u>4,670,304</u>	<u>4,557,419</u>	<u>4,554,602</u>	<u>4,341,351</u>	<u>4,613,577</u>	<u>4,697,997</u>	<u>5,189,901</u>	37,095,826
14 Total, Before Losses (L.12 / L.13)	\$0.00508	\$0.00524	\$0.00524	\$0.00524	\$0.00524	\$0.00524	\$0.00524	\$0.00524	
15 Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	
16 Total Retail Rate - RPS Charge (L.14 * (1+L.15))	\$0.00532	\$0.00548	\$0.00548	\$0.00548	\$0.00548	\$0.00548	\$0.00548	\$0.00548	
<b>TOTAL DEFAULT SERVICE CHARGE</b>									
17 Total Retail Rate - Default Service Charge (L.9 + L.16)	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET

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Issued By: Robert B. Hevert  
Sr. Vice President

**CALCULATION OF THE DEFAULT SERVICE CHARGE**

<b>G1-Class Default Service:</b>							
	<u>Jun-22</u>	<u>Jul-22</u>	<u>Aug-22</u>	<u>Sep-22</u>	<u>Oct-22</u>	<u>Nov-22</u>	<u>Total</u>
<b><i>Power Supply Charge</i></b>							
1 Reconciliation							\$235,673
2 Total Costs excl. wholesale supplier charge							<u>\$29,567</u>
3 Reconciliation plus Total Costs excl. wholesale supplier charge (L.1 + L.2)							\$265,240
4 kWh Purchases							<u>31,230,935</u>
5 Total, Before Losses (L.3 / L.4)							\$0.00849
6 Losses							<u>4.591%</u>
7 Power Supply Charge excl. wholesale supplier charge (L.5 * (1+L.6))	\$0.00888	\$0.00888	\$0.00888	\$0.00888	\$0.00888	\$0.00888	\$0.00888
8a Wholesale Supplier Charge	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
8b Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	
8 Retail Rate—Wholesale Supplier Charge (L.8a * (1+L.8b))	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
9 Total Retail Rate—Power Supply Charge (L.7 + L.8)	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
<b><i>Renewable Portfolio Standard (RPS) Charge</i></b>							
10 Reconciliation	(\$13,931)	(\$15,161)	(\$16,050)	(\$14,685)	(\$13,623)	(\$13,194)	(\$86,643)
11 Total Costs	<u>\$36,371</u>	<u>\$39,583</u>	<u>\$41,902</u>	<u>\$38,339</u>	<u>\$35,566</u>	<u>\$34,446</u>	<u>\$226,207</u>
12 Reconciliation plus Total Costs (L.10 + L.11)	\$22,440	\$24,422	\$25,853	\$23,654	\$21,943	\$21,252	\$139,564
13 kWh Purchases	<u>5,021,504</u>	<u>5,464,982</u>	<u>5,785,176</u>	<u>5,293,166</u>	<u>4,910,387</u>	<u>4,755,719</u>	31,230,935
14 Total, Before Losses (L.12 / L.13)	\$0.00447	\$0.00447	\$0.00447	\$0.00447	\$0.00447	\$0.00447	
15 Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	
16 Total Retail Rate—RPS Charge (L.14 * (1+L.15))	\$0.00467	\$0.00467	\$0.00467	\$0.00467	\$0.00467	\$0.00467	
<b><i>TOTAL DEFAULT SERVICE CHARGE</i></b>							
17 Total Retail Rate—Default Service Charge (L.9 + L.16)	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	

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

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DEFAULT SERVICE  
SCHEDULE DS

AVAILABILITY

This Schedule is for energy supply service only. Customers taking service hereunder must also take service under one of the Company’s Delivery Service Schedules.

Default Service shall be available under this Schedule to all Customers, including Customers that return to utility-provided energy supply service after receiving energy supply service from a Competitive Supplier or self-supply (available to Market Participant End Users as described in NHPUC Order No. 24,172), or those Customers whose energy to be provided by a Competitive Supplier or self-supply does not reach the Company’s distribution system for any reason.

CHARACTER OF SERVICE

Electricity will be supplied with the same characteristics as specified in the applicable Delivery Service Schedules.

DEFAULT SERVICE CHARGE

The Default Service Charges (“DSC”) for each class are specified on Page 74 for the Non-G1 class and Page 75 for the G1 class, Calculation of the Default Service Charge.

DEFAULT SERVICE CHARGE RECONCILIATION

The DSC shall be calculated separately for the Non-G1 (all classes except G1) and the G1 classes. The DSC for each class shall consist of two separate components, a Power Supply Charge and a Renewable Portfolio Standard (RPS) charge. The Power Supply Charge will be comprised of GIS support payments, internal company administrative costs, supply-related working capital, external company legal and administrative costs, a provision for uncollectible accounts attributed to Default Service, and effective July 1, 2014, \$10,000 per year associated with the NHPUC regulatory assessment, plus wholesale supplier charges. For the Non-G1 class, the Power Supply Charge shall be based on a forecast of all Power Supply costs, and shall include an annual reconciliation with interest for any over- or under-recoveries occurring in the prior period. The wholesale supplier charge component of the Non-G1 class Power Supply Charge will be determined separately for Domestic (D) customers and for Regular General and Outdoor Lighting (G2, OL) customers. For the G1 class, the Power Supply Charge shall be based on wholesale supplier charges which will be determined at the end of each month, plus a forecast of all remaining Power Supply costs, and shall include an annual reconciliation with interest for any over- or under-recoveries occurring in the prior period.

The RPS Charge for each class shall be based on a forecast of the costs to comply with RPS and shall include an annual reconciliation with interest for any over- or under-recoveries occurring in the prior period.

Except for the DSC effective December 1, 2022, ~~the~~ DSC for the Non-G1 class will be calculated on a six month basis and shall be offered as a fixed charge or as a variable charge, as

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Effective: ~~June 1, 2015~~ December 1, 2022 Collin  
Sr. Vice President ~~Treasurer~~

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

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Superseding ~~First~~Second Revised Page 71

DEFAULT SERVICE  
SCHEDULE DS (continued)

provided below. The G1 class DSC will also be established on a six month basis, with the wholesale supplier charge component of the Power Supply Charge determined at the end of each month. The G1 class DSC shall be offered as a variable charge only, as provided below. The DSC effective December 1, 2022 for the Non-G1 class and G1 class will be calculated on an eight month basis through July 31, 2023 and offered as a fixed charge or as a variable charge for the eight month period as well.

Separate reconciliation of costs and revenues for the Power Supply Charge and the RPS Charge, for both the Non-G1 and G1 classes, shall be performed on an annual basis effective June 1, 2022, and effective August 1, 2023 thereafter. For the Power Supply Charge, external company administrative costs will be directly assigned to the Non-G1 or G1 class, as applicable. Costs that are common to both classes will be allocated to those classes based on kWh sales. Costs of uncollectible accounts will be directly assigned to the Non-G1 or G1 class. Default Service costs included in the RPS Charge shall include costs of compliance with the Renewable Portfolio Standard and associated working capital.

Interest shall be calculated at the prime rate, with said prime rate to be fixed on a quarterly basis and to be established as reported in THE WALL STREET JOURNAL on the first business day of the month preceding the calendar quarter. If more than one rate is reported, the average of the reported rates shall be used. The Company may file to change the DSC at any time should significant over- or under-recoveries occur or be expected to occur.

Any adjustment to the DSC shall be in accordance with a notice filed with the Commission setting forth the amount of the proposed charge and the amount of the increase or decrease. The notice shall further specify the effective date of such charge, which shall not be earlier than forty-five days after the filing of the notice, or such other date as the Commission may authorize.

#### NON-G1 DEFAULT SERVICE CHARGES

Non-G1 Default Service pricing is available in two forms: fixed and variable. Fixed pricing will remain the same for six months<sup>1</sup> at a time and will be based on the weighted average monthly wholesale price over the six-month<sup>1</sup> period that the Company pays to its Default Service provider(s). Variable pricing will change from month to month reflecting the monthly wholesale price that the Company pays to its Default Service provider(s).

Fixed pricing is available to all Non-G1 Customers except Non-G1 Customers who previously had a Competitive Supplier or self-supply and return to Default Service after the current six month<sup>1</sup> rate period has commenced. New Non-G1 Customers and Non-G1 Customers receiving Default Service will automatically be placed on fixed pricing.

<sup>1</sup> Except for the DSC effective December 1, 2022 through July 31, 2023 which will be based on eight months.

*Authorized by NHPUC Order No. ~~25,777~~ in Case No. DE ~~22-01745-079~~ dated ~~April 10, 2015~~*

Issued: ~~April 13, 2015~~September 23, 2022

Issued by: Robert B. Hevert~~Mark H.~~

Effective: ~~June 1, 2015~~December 1, 2022

Collin

Sr. Vice President~~Treasurer~~

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

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Superseding ~~First~~Second Revised Page 72

## DEFAULT SERVICE SCHEDULE DS (continued)

Variable pricing is available to new Non-G1 Customers, Non-G1 Customers who previously had a Competitive Supplier or self-supply and return to Default Service after the current six month<sup>1</sup> rate period has commenced, and existing Non-G1 Customers who notify the Company of their intent to switch options at least two business days prior to the start of the six month<sup>1</sup> rate period.

Non-G1 Customers returning to Default Service from a Competitive Supplier or self-supply during the rate period will automatically be placed on variable pricing. Non-G1 Customers electing variable pricing ~~or who were placed on variable pricing after returning from a Competitive Supplier or self-supply~~ will not have the opportunity to switch back to fixed pricing until the subsequent six month<sup>1</sup> rate period. Non-G1 Customers who were placed on variable pricing after returning from a Competitive Supplier or self-supply will be switching to switched back to fixed pricing ~~may do so by notifying the Company at least two business days prior to the start of the subsequent six month<sup>1</sup> period, unless notifying the Company at least two business days prior to the start of the subsequent six month<sup>1</sup> period of their request to remain on variable pricing.~~

### G1 DEFAULT SERVICE CHARGES

G1 Default Service pricing is available to all G1 customers as a variable charge only. The G1 Default Service Charge will change monthly, reflecting variations in the wholesale supply charges. The wholesale supply charges included in the Power Supply Charge will be determined as the sum of the average ISO-New England real time hourly locational marginal prices for the New Hampshire load zone, weighted by the wholesale hourly kWh volumes of the Company's G1 Default Service customers, and charges for capacity, ancillary services, and other supplier costs established through a competitive bidding process.

### TERMS OF PAYMENT

The charges for service hereunder are net, billed monthly and due within 25 days following the date postmarked on the bill, as specified in the Terms and Conditions for Distribution Service, which is a part of this Tariff.

### TERM OF CONTRACT

There is no specified term for service hereunder. Switching between optional energy supply services shall be in accordance with provisions contained in the schedules for such services.

*Authorized by NHPUC Order No. ~~25,777~~ in Case No. DE ~~22-01715-079~~ dated ~~April 10, 2015~~*  
 Issued: ~~April 13, 2015~~ September 23, 2022 Issued by: Robert B. Hevert ~~Mark H. Collin~~  
 Effective: ~~June 1, 2015~~ December 1, 2022 Sr. Vice President ~~Treasurer~~

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~~Original~~ First Revised Page 73  
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DEFAULT SERVICE  
SCHEDULE DS (continued)

SWITCHING TO A COMPETITIVE SUPPLIER OR SELF-SUPPLY

A. On Next Scheduled Meter Read Date

The Company will normally switch a Customer to a Competitive Supplier or self-supply upon request of a Customer as of the next scheduled meter read, provided that notice of the change to a Competitive Supplier or self-supply was received by the Company not less than two business days before that next scheduled meter read date. There shall be no charge for switching from Default Service to a Competitive Supplier or self-supply if such a notice is given.

B. Prior to the Next Scheduled Meter Read Date

If switching to a Competitive Supplier or self-supply before the next scheduled meter read is requested, the Company at its sole discretion and upon agreement by the Customer to pay the applicable fee pursuant to Section II. 10 of the Terms and Conditions for Distribution Service, will terminate Default Service with an unscheduled meter read.

TARIFF PROVISIONS

The Company's complete Tariff where not inconsistent with any specific provisions hereof, is part of this Schedule.

*Authorized by NHPUC Order No. ~~24,682~~ in Case No. DE ~~22-01706-123~~ dated ~~October 23, 2006~~*

Issued: ~~October 24, 2006~~ September 23, 2022  
Effective: ~~November 1, 2006~~ December 1, 2022

Issued by: Robert B. Hevert ~~Mark H. Collin~~  
Sr. Vice President ~~Treasurer~~

**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 Fixed Default Service ** Supply Only	LI-EAP discount Variable Default Service ** Supply Only											
				Aug 2022 - Nov 2022 (1) Dec 2022 - Jul 2023 (1)	Jun 2022 - Nov 2022 (2) Dec 2022 - Jul 2023 (2)	Jun 22 (3) Dec-22 (3)	Jul 22 (3) Jan-23 (3)	Aug 22 (3) Feb-23 (3)	Sep 22 (3) Mar-23 (3)	Oct 22 (3) Apr-23 (3)	Nov 22 (3) May-23 (3)	Jun-23 (3)	Jul-23 (3)				
1 (4)	N/A	N/A															
2	151 (FPG) - 60 (SMI)	8%	Customer Charge	(\$1.30)													
			First 750 kWh	(\$0.00618)	(\$0.02074)	(\$0.02673)	(\$0.03310)	(\$0.03139)	(\$0.01979)	(\$0.01317)	(\$0.01153)						
			Excess 750 kWh	\$0.00000	(\$0.00809)	(\$0.00709)	(\$0.00781)	(\$0.00799)	(\$0.00746)	(\$0.00783)	(\$0.01049)	(\$0.01091)	(\$0.01264)				
				\$0.00000	\$0.00000	\$0.00000	\$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)													
			First 750 kWh	(\$0.01700)	(\$0.05704)	(\$0.07352)	(\$0.09102)	(\$0.08632)	(\$0.05442)	(\$0.03622)	(\$0.03172)						
			Excess 750 kWh	\$0.00000	(\$0.02226)	(\$0.01950)	(\$0.02147)	(\$0.02198)	(\$0.02050)	(\$0.02153)	(\$0.02884)	(\$0.03000)	(\$0.03476)				
				\$0.00000	\$0.00000	\$0.00000	\$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)													
			First 750 kWh	(\$0.02782)	(\$0.09333)	(\$0.12030)	(\$0.14894)	(\$0.14126)	(\$0.08906)	(\$0.05927)	(\$0.05190)						
			Excess 750 kWh	\$0.00000	(\$0.03642)	(\$0.03191)	(\$0.03514)	(\$0.03597)	(\$0.03355)	(\$0.03524)	(\$0.04719)	(\$0.04910)	(\$0.05688)				
				\$0.00000	\$0.00000	\$0.00000	\$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)													
			First 750 kWh	(\$0.04018)	(\$0.13481)	(\$0.17377)	(\$0.21513)	(\$0.20404)	(\$0.12864)	(\$0.08561)	(\$0.07497)						
			Excess 750 kWh	\$0.00000	(\$0.05261)	(\$0.04610)	(\$0.05076)	(\$0.05195)	(\$0.04846)	(\$0.05090)	(\$0.06817)	(\$0.07092)	(\$0.08217)				
				\$0.00000	\$0.00000	\$0.00000	\$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)													
			First 750 kWh	(\$0.05873)	(\$0.19703)	(\$0.25397)	(\$0.31442)	(\$0.29821)	(\$0.18801)	(\$0.12512)	(\$0.10958)						
			Excess 750 kWh	\$0.00000	(\$0.07689)	(\$0.06737)	(\$0.07418)	(\$0.07593)	(\$0.07082)	(\$0.07439)	(\$0.09963)	(\$0.10365)	(\$0.12009)				
				\$0.00000	\$0.00000	\$0.00000	\$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. 26,656 in Case No. DE 22-026, dated July 28, 2022 and NHPUC Order No. 26,655 in Case No. DE 22-038, dated July 28, 2022

\*\* Authorized by NHPUC Order No. 26,601 in Case No. DE 22-017, dated April 1, 2022

**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.

Class	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****	Total Delivery Charges	Renewable Portfolio Standard Charge*****	Power Supply Charge*****	Total Default Service Charge*		
<b>TOU-D</b>	Customer Charge	\$16.22						\$16.22				\$16.22	
	Off-Peak kWh	\$0.03880	(\$0.00376)	(\$0.00241)	(\$0.00617)	\$0.00002	\$0.00000	\$0.00681	\$0.03946	\$0.00528	\$0.15748	\$0.16276	\$0.20222
	Mid-Peak kWh	\$0.05319	(\$0.00376)	(\$0.00037)	(\$0.00413)	\$0.00002	\$0.00000	\$0.00681	\$0.05589	\$0.00528	\$0.16055	\$0.16583	\$0.22172
	On-Peak kWh	\$0.04588	(\$0.00376)	\$0.16312	\$0.15936	\$0.00002	\$0.00000	\$0.00681	\$0.21207	\$0.00528	\$0.19426	\$0.19954	\$0.41161
<b>TOU-EV-D</b>	Customer Charge	\$5.26						\$5.26				\$5.26	
	Off-Peak kWh	\$0.03880	(\$0.00376)	(\$0.00241)	(\$0.00617)	\$0.00002	\$0.00000	\$0.00681	\$0.03946	\$0.00528	\$0.15748	\$0.16276	\$0.20222
	Mid-Peak kWh	\$0.05319	(\$0.00376)	(\$0.00037)	(\$0.00413)	\$0.00002	\$0.00000	\$0.00681	\$0.05589	\$0.00528	\$0.16055	\$0.16583	\$0.22172
	On-Peak kWh	\$0.04588	(\$0.00376)	\$0.16312	\$0.15936	\$0.00002	\$0.00000	\$0.00681	\$0.21207	\$0.00528	\$0.19426	\$0.19954	\$0.41161
<b>TOU-EV-G2</b>	Customer Charge	\$29.19						\$29.19				\$29.19	
	All kW	\$5.96				\$0.00		\$5.96				\$5.96	
	Off-Peak kWh	\$0.02153	(\$0.00376)	(\$0.00228)	(\$0.00604)	\$0.00002	\$0.00000	\$0.00681	\$0.02232	\$0.00528	\$0.15233	\$0.15761	\$0.17993
	Mid-Peak kWh	\$0.02110	(\$0.00376)	(\$0.00125)	(\$0.00501)	\$0.00002	\$0.00000	\$0.00681	\$0.02292	\$0.00528	\$0.15905	\$0.16433	\$0.18725
	On-Peak kWh	\$0.02669	(\$0.00376)	\$0.18512	\$0.18136	\$0.00002	\$0.00000	\$0.00681	\$0.21488	\$0.00528	\$0.19382	\$0.19910	\$0.41398
<b>TOU-EV-G1</b>	Customer Charge	\$162.18	Secondary Voltage					\$162.18				\$162.18	
	Customer Charge	\$86.49	Primary Voltage					\$86.49				\$86.49	
	All kVA	\$4.20				\$0.00		\$4.20				\$4.20	
	Off-Peak kWh	\$0.01201	(\$0.00376)	(\$0.00230)	(\$0.00606)	\$0.00002	\$0.00000	\$0.00681	\$0.01278	\$0.00532	MARKET	MARKET	MARKET
	Mid-Peak kWh	\$0.01266	(\$0.00376)	(\$0.00107)	(\$0.00483)	\$0.00002	\$0.00000	\$0.00681	\$0.01466	\$0.00532	MARKET	MARKET	MARKET
	On-Peak kWh	\$0.01547	(\$0.00376)	\$0.18954	\$0.18578	\$0.00002	\$0.00000	\$0.00681	\$0.20808	\$0.00532	MARKET	MARKET	MARKET
<b>ALL GENERAL</b>	Transformer Ownership Credit (kW/kVA)												(\$0.50)
	Voltage Discount at 4,160 Volts or Over (all kW/kVA and kWh)												2.00%
	Voltage Discount at 34,500 Volts or Over (all kW/kVA and kWh)												3.50%

**DEFINITIONS**  
 Off-Peak kWh: Monday - Friday 8 P.M. - 6 A.M. and All Day Weekends and Weekday Holidays <sup>1</sup>  
 Mid-Peak kWh: Monday - Friday 6 A.M. - 3 P.M., excluding Weekday Holidays <sup>1</sup>  
 On-Peak kWh: Monday - Friday 3 P.M. - 8 P.M., excluding Weekday Holidays <sup>1</sup>

<sup>1</sup> Holidays observed by the State of New Hampshire pursuant to NH RSA 288:1.

\* Authorized by NHPUC Order No. 26,656 in Case No. DE 22-026, dated July 28, 2022 and NHPUC Order No. 26,655 in Case No. DE 22-038, dated July 28, 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. 26,621 in Case No. DE 20-092, dated April 29, 2022

\*\*\*\*\* Authorized by NHPUC Order No. in Case No. DE 22-017, dated

Class		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****	Total Delivery Charges	Renewable Portfolio Standard Charge*	Power Supply Charge*		Total Default Service Charge*
<b>TOU-D</b>	Customer Charge	\$16.22							\$16.22				\$16.22
	Off-Peak kWh	\$0.03979	(\$0.00376)	(\$0.00419)	(\$0.00795)	\$0.00002	\$0.00000	\$0.00681	\$0.03867	\$0.00438	\$0.08054	\$0.08492	\$0.12359
	Mid-Peak kWh	\$0.05620	(\$0.00376)	\$0.01718	\$0.01342	\$0.00002	\$0.00000	\$0.00681	\$0.07645	\$0.00438	\$0.10047	\$0.10485	\$0.18130
	On-Peak kWh	\$0.05076	(\$0.00376)	\$0.13992	\$0.13616	\$0.00002	\$0.00000	\$0.00681	\$0.19375	\$0.00438	\$0.38236	\$0.38674	\$0.58049
<b>TOU-EV-D</b>	Customer Charge	\$5.26							\$5.26				\$5.26
	Off-Peak kWh	\$0.03979	(\$0.00376)	(\$0.00419)	(\$0.00795)	\$0.00002	\$0.00000	\$0.00681	\$0.03867	\$0.00438	\$0.08054	\$0.08492	\$0.12359
	Mid-Peak kWh	\$0.05620	(\$0.00376)	\$0.01718	\$0.01342	\$0.00002	\$0.00000	\$0.00681	\$0.07645	\$0.00438	\$0.10047	\$0.10485	\$0.18130
	On-Peak kWh	\$0.05076	(\$0.00376)	\$0.13992	\$0.13616	\$0.00002	\$0.00000	\$0.00681	\$0.19375	\$0.00438	\$0.38236	\$0.38674	\$0.58049
<b>TOU-EV-G2</b>	Customer Charge	\$29.19							\$29.19				\$29.19
	All kW	\$5.96				\$0.00			\$5.96				\$5.96
	Off-Peak kWh	\$0.02304	(\$0.00376)	(\$0.00419)	(\$0.00795)	\$0.00002	\$0.00000	\$0.00681	\$0.02192	\$0.00438	\$0.07378	\$0.07816	\$0.10008
	Mid-Peak kWh	\$0.02203	(\$0.00376)	\$0.01211	\$0.00835	\$0.00002	\$0.00000	\$0.00681	\$0.03721	\$0.00438	\$0.09439	\$0.09877	\$0.13598
	On-Peak kWh	\$0.03175	(\$0.00376)	\$0.17119	\$0.16743	\$0.00002	\$0.00000	\$0.00681	\$0.20601	\$0.00438	\$0.40515	\$0.40953	\$0.61554
<b>TOU-EV-G1</b>	Customer Charge	\$162.18	Secondary Voltage						\$162.18				\$162.18
	Customer Charge	\$86.49	Primary Voltage						\$86.49				\$86.49
	All kVA	\$4.20				\$0.00			\$4.20				\$4.20
	Off-Peak kWh	\$0.01221	(\$0.00376)	(\$0.00419)	(\$0.00795)	\$0.00002	\$0.00000	\$0.00681	\$0.01109	\$0.00467	MARKET	MARKET	MARKET
	Mid-Peak kWh	\$0.01323	(\$0.00376)	\$0.01308	\$0.00932	\$0.00002	\$0.00000	\$0.00681	\$0.02938	\$0.00467	MARKET	MARKET	MARKET
	On-Peak kWh	\$0.01803	(\$0.00376)	\$0.17146	\$0.16770	\$0.00002	\$0.00000	\$0.00681	\$0.19256	\$0.00467	MARKET	MARKET	MARKET

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

~~Second~~<sup>First</sup> Revised Page 50-B  
Superseding ~~First Revised~~<sup>Original</sup> Page 50-B

DOMESTIC DELIVERY SERVICE  
SCHEDULE TOU-D (Continued)

CHARGES - MONTHLY

The Delivery Service Charges shall include Distribution Charges and Adjustments, set forth below. The rates for energy (kWh) based charges are seasonally ~~ly adjusted based on~~<sup>with a</sup> winter period ~~from December 1 to May 31~~ and a summer period ~~from June 1 to November 30~~ ratios established in ~~based on~~<sup>DE 20-170</sup>.

Rates for Retail Delivery Service ~~are provided on Summary Of Whole House Residential Time Of Use Rates And Electric Vehicle Rates, Page 5-A. The Distribution Charge, External Delivery Charge-Transmission, and Default Service Charge (as applicable) are time-based with rates available during Off Peak, Mid Peak and Peak hours. Effective August 1, 2022 through November 30, 2022~~

~~Customer Charge: — \$16.22 per meter~~

~~Distribution Charge:~~

~~Off Peak kWh — 3.979¢ per kWh~~

~~Mid Peak kWh — 5.620¢ per kWh~~

~~Peak kWh — 5.076¢ per kWh~~

~~External Delivery Charge—Transmission:~~

~~Off Peak kWh — 0.419¢ per kWh~~

~~Mid Peak kWh — 1.718¢ per kWh~~

~~On Peak kWh — 13.992¢ per kWh~~

~~Default Service Charge (as applicable):~~

~~Off Peak kWh — 8.492¢ per kWh~~

~~Mid Peak kWh — 10.485¢ per kWh~~

~~On Peak kWh — 38.674¢ per kWh~~

Off peak hours will be from 8PM to 6AM and all day holidays and weekends.  
Mid peak hours will be from 6AM to 3PM daily Monday through Friday, except holidays.  
Peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

~~Authorized by NHPUC Order No. 26,656 in Case No. DE 22-026 dated July 28, 2022 and NHPUC Order No. 26,655 in Case No. DE 22-038, dated July 28, 2022.~~

Issued: ~~September 23~~<sup>August 1</sup>, 2022  
Effective: ~~December~~<sup>August</sup> 1, 2022

Issued by: Robert Hevert  
Senior Vice President

DOMESTIC DELIVERY SERVICE  
SCHEDULE TOU-EV-D

AVAILABILITY

Service under this schedule is specifically limited to residential customers who require service restricted to charging a battery electric vehicle (BEV) or plug-in hybrid electric vehicle (PHEV) via a recharging outlet at the customer’s premises. This schedule is not available to customers with a conventional charge sustaining (battery recharged solely from the vehicle’s on-board generator) hybrid electric vehicle (HEV). This Schedule is available for all customers currently taking service or eligible to receive service from Schedule D or Schedule TOU-D.

CHARACTER OF SERVICE

The charging station shall be connected by means of an approved circuit to a separate charging meter for electric vehicles. Electricity will normally be delivered at 120/240 volts using three wire, single phase service. In some areas service may be 120/208 volts, single phase, three wire.

CHARGES – MONTHLY

The Delivery Service Charges shall include Distribution Charges and Adjustments, set forth below. The rates for energy (kWh) based charges are ~~seasonally adjusted based on winter period and summer period ratios established in DE 20-170 with a winter period from December 1 to May 31 and a summer period from June 1 to November 30.~~

~~Rates for Retail Delivery Service are provided on Summary Of Whole House Residential Time Of Use Rates And Electric Vehicle Rates, Page 5-A. The Distribution Charge, External Delivery Charge-Transmission, and Default Service Charge (as applicable) are time-based with rates available during Off Peak, Mid Peak and Peak hours. Effective August 1, 2022 through November 30, 2022~~

~~Customer Charge: ————— \$5.26 per meter~~

~~Distribution Charge:~~

~~Off Peak kWh ————— 3.979¢ per kWh~~

~~Mid Peak kWh ————— 5.620¢ per kWh~~

~~Peak kWh ————— 5.076¢ per kWh~~

~~External Delivery Charge—Transmission:~~

~~Off Peak kWh ————— 0.419¢ per kWh~~

~~Mid Peak kWh ————— 1.718¢ per kWh~~

~~Peak kWh ————— 13.992¢ per kWh~~

~~Authorized by NHPUC Order No. 26,656 in Case No. DE 22-026 dated July 28, 2022 and NHPUC Order No. 26,655 in Case No. DE 22-038, dated July 28, 2022.~~

Issued: ~~September 23~~<sup>August 1</sup>, 2022  
Effective: ~~December~~<sup>August</sup> 1, 2022

Issued by: Robert Hevert  
Senior Vice President

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

~~First Revised~~~~Original~~ Page 50-F  
~~Superseding Original Page 50-F~~

DOMESTIC DELIVERY SERVICE  
SCHEDULE TOU-EV-D (Continued)

~~Default Service Charge (as applicable):~~

~~Off Peak kWh: 8.492¢ per kWh~~  
~~Mid Peak kWh: 10.485¢ per kWh~~  
~~Peak kWh: 38.674¢ per kWh~~

Off peak hours will be from 8PM to 6AM and all day holidays and weekends.  
Mid peak hours will be from 6AM to 3PM daily Monday through Friday, except holidays.  
Peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

ADJUSTMENTS

These Adjustments, included in the Delivery Service Charges, shall be adjusted from time to time.

External Delivery Charge (non-transmission): All energy delivered under this Schedule shall be subject to the External Delivery Charge, non-transmission as provided in Schedule EDC of the Tariff of which this is a part.

Stranded Cost Charge: All energy delivered under this Schedule shall be subject to the Stranded Cost Charge as provided in Schedule SCC of the Tariff of which this is a part.

Storm Recovery Adjustment Factor: All energy delivered under this Schedule shall be subject to the Storm Recovery Adjustment Factor as provided in Schedule SRAF of the Tariff of which this is a part.

System Benefits Charge: All energy delivered under this Schedule shall be subject to the System Benefits Charge as provided in Schedule SBC of the Tariff of which this is a part.

*Authorized by NHPUC Order No. ~~26,604~~ in Case No. DE ~~20-170~~ dated ~~April 7, 2022~~.*

Issued: ~~September 23~~~~June 27~~, 2022  
Effective: ~~December~~~~July~~ 1, 2022

Issued by: Robert Hevert  
Senior Vice President

GENERAL DELIVERY SERVICE  
SCHEDULE TOU-EV-G2

AVAILABILITY

Service under this schedule is specifically limited to customers who require service for charging a battery electric vehicle (BEV) or plug-in hybrid electric vehicle (PHEV) via a recharging outlet at the customer’s premises. This Schedule is available for use at business locations or commercially owned electric vehicle charging stations with average use consistently below two-hundred (200) kilovolt-ampere (kVA) of demand and/or generally less than one-hundred thousand (100,000) kilowatt-hours per month, as measured by the Company.

At least 90 percent of a customer’s individually metered load, as projected at the time the Company conducts its calculation relating to the customer contribution in aid of construction, must be utilized for electric vehicle charging. Customers whose electric vehicle charging load will represent less than 90 percent of the load served by the customer meter shall be ineligible for service under this rate.

CHARACTER OF SERVICE

The charging station shall be connected by means of an approved circuit to a separate charging meter for the electric vehicle charging station. Electric service of the following description is available, depending upon the location of the Customer: (1) 120/240 volts, single phase, three wire; (2) 120/208 volts, single phase, three wire; (3) 208Y/120 volts, three phase, four wire; (4) 480Y/277 volts, three phase, four wire; (5) 4160 volts, three phase, four wire or such higher primary distribution voltage as may be available, the voltage to be designated by the Company.

CHARGES - MONTHLY

The Delivery Service Charges shall include Distribution Charges and Adjustments, set forth below. The rates for energy (kWh) based charges are seasonally adjusted based on winter period and summer period ratios established in DE 20-170 with a winter period from December 1 to May 31 and a summer period from June 1 to November 30.

Rates for Retail Delivery Service are provided on Summary Of Whole House Residential Time Of Use Rates And Electric Vehicle Rates, Page 5-A. The Distribution Charge, External Delivery Charge-Transmission, and Default Service Charge (as applicable) are time-based with rates available during Off Peak, Mid Peak and Peak hours. Effective August 1, 2022 through November 30, 2022

Customer Charge: \_\_\_\_\_ \$29.19 per meter

*Authorized by NHPUC Order No. ~~26,656~~ in Case No. ~~DE 22-026~~ dated ~~July 28, 2022~~ and  
~~NHPUC Order No. 26,655~~ in Case No. ~~DE 22-038~~, dated ~~July 28, 2022.~~*

Issued: ~~September 23~~~~August 1~~, 2022  
Effective: ~~December~~~~August~~ 1, 2022

Issued by: Robert Hevert  
Senior Vice President

GENERAL DELIVERY SERVICE  
SCHEDULE TOU-EV-G2 (Continued)

<del>Distribution Charge:—</del>	
<del>Demand Charge</del>	<del>\$5.96 per kW</del>
<del>Off Peak</del>	<del>2.304¢ per kWh</del>
<del>Mid Peak</del>	<del>2.203¢ per kWh</del>
<del>Peak</del>	<del>3.175¢ per kWh</del>
<del>External Delivery Charge—Transmission:</del>	
<del>Off Peak</del>	<del>0.419¢ per kWh</del>
<del>Mid Peak</del>	<del>1.211¢ per kWh</del>
<del>Peak</del>	<del>17.119¢ per kWh</del>
<del>Default Service Charge (as applicable):</del>	
<del>Off Peak</del>	<del>7.816¢ per kWh</del>
<del>Mid Peak</del>	<del>9.877¢ per kWh</del>
<del>Peak</del>	<del>40.953¢ per kWh</del>

Off peak hours will be from 8PM to 6AM and all day holidays and weekends.  
Mid peak hours will be from 6AM to 3PM daily Monday through Friday, except holidays.  
Peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

ADJUSTMENTS

These Adjustments, included in the Delivery Service Charges, shall be adjusted from time to time.

External Delivery Charge (non-transmission): All energy delivered under this Schedule shall be subject to the External Delivery Charge as provided in Schedule EDC of the Tariff of which this is a part.

Stranded Cost Charge: All energy delivered under this Schedule shall be subject to the Stranded Cost Charge as provided in Schedule SCC of the Tariff of which this is a part.

Storm Recovery Adjustment Factor: All energy delivered under this Schedule shall be subject to the Storm Recovery Adjustment Factor as provided in Schedule SRAF of the Tariff of which this is a part.

System Benefits Charge: All energy delivered under this Schedule shall be subject to the System Benefits Charge as provided in Schedule SBC of the Tariff of which this is a part.

DETERMINATION OF DEMAND

*Authorized by NHPUC Order No. ~~26,656~~ in Case No. DE ~~22-026~~ dated ~~July 28, 2022~~ and  
~~NHPUC Order No. 26,655 in Case No. DE 22-038, dated July 28, 2022.~~*

Issued: ~~September 23~~~~August 1~~, 2022  
Effective: ~~December~~~~August~~ 1, 2022

Issued by: Robert Hevert  
Senior Vice President

GENERAL DELIVERY SERVICE  
SCHEDULE TOU-EV-G1

AVAILABILITY

Service under this schedule is specifically limited to customers who require service for charging a battery electric vehicle (BEV) or plug-in hybrid electric vehicle (PHEV) via a recharging outlet. This Schedule is available for use at business locations or commercially owned electric vehicle charging stations with average use consistently equal to or in excess of two-hundred (200) kilovolt-ampere (kVA) of demand and/or is generally greater than one-hundred thousand (100,000) kilowatt-hours per month, as measured by the Company.

At least 90 percent of a customer's individually metered load, as projected at the time the Company conducts its calculation relating to the customer contribution in aid of construction, must be utilized for electric vehicle charging. Customers whose electric vehicle charging load will represent less than 90 percent of the load served by the customer meter shall be ineligible for service under this rate.

CHARACTER OF SERVICE

The charging station shall be connected by means of an approved circuit to a separate charging meter for the electric vehicle charging station. Electric service of the following description is available, depending upon the location of the Customer: (1) 120/240 volts, single phase, three wire; (2) 120/208 volts, single phase, three wire; (3) 208Y/120 volts, three phase, four wire; (4) 480Y/277 volts, three phase, four wire; (5) 4160 volts, three phase, four wire or such higher primary distribution voltage as may be available, the voltage to be designated by the Company.

CHARGES - MONTHLY

The Delivery Service Charges shall include Distribution Charges and Adjustments, set forth below. The rates for energy (kWh) based charges are ~~seasonally adjusted based on winter period and summer period ratios established in DE 20-170 with a winter period from December 1 to May 31 and a summer period from June 1 to November 30.~~

~~Rates for Retail Delivery Service are provided on Summary Of Whole House Residential Time Of Use Rates And Electric Vehicle Rates, Page 5-A. The Distribution Charge, External Delivery Charge-Transmission, and Default Service Charge (as applicable) are time-based with rates available during Off Peak, Mid Peak and Peak hours. Effective August 1, 2022 through November 30, 2022~~

~~Authorized by NHPUC Order No. 26,656 in Case No. DE 22-026 dated July 28, 2022 and NHPUC Order No. 26,655 in Case No. DE 22-038, dated July 28, 2022.~~

Issued: ~~September 23~~August 1, 2022  
Effective: ~~December~~August 1, 2022

Issued by: Robert Hevert  
Senior Vice President

GENERAL DELIVERY SERVICE  
SCHEDULE TOU-EV-G1 (Continued)

~~Customer Charge:~~

<del>Secondary Voltage</del>	<del>\$162.18 per meter</del>
<del>Primary Voltage</del>	<del>\$86.49 per meter</del>

~~Distribution Charge:~~

<del>Demand Charge</del>	<del>\$4.20 per kVa</del>
<del>Off Peak</del>	<del>1.221¢ per kWh</del>
<del>Mid Peak</del>	<del>1.323¢ per kWh</del>
<del>Peak</del>	<del>1.803¢ per kWh</del>

~~External Delivery Charge—Transmission:~~

<del>Off Peak</del>	<del>0.419¢ per kWh</del>
<del>Mid Peak</del>	<del>1.308¢ per kWh</del>
<del>Peak</del>	<del>17.146¢ per kWh</del>

Off peak hours will be from 8PM to 6AM and all day holidays and weekends.  
Mid peak hours will be from 6AM to 3PM daily Monday through Friday, except holidays.  
Peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

ADJUSTMENTS

These Adjustments, included in the Delivery Service Charges, shall be adjusted from time to time.

External Delivery Charge (non-transmission): All energy delivered under this Schedule shall be subject to the External Delivery Charge as provided in Schedule EDC of the Tariff of which this is a part.

Stranded Cost Charge: All energy delivered under this Schedule shall be subject to the Stranded Cost Charge as provided in Schedule SCC of the Tariff of which this is a part.

Storm Recovery Adjustment Factor: All energy delivered under this Schedule shall be subject to the Storm Recovery Adjustment Factor as provided in Schedule SRAF of the Tariff of which this is a part.

System Benefits Charge: All energy delivered under this Schedule shall be subject to the System Benefits Charge as provided in Schedule SBC of the Tariff of which this is a part.

DETERMINATION OF DEMAND

*Authorized by NHPUC Order No. ~~26,656~~ in Case No. ~~DE 22-026~~ dated ~~July 28, 2022~~ and  
~~NHPUC Order No. 26,655 in Case No. DE 22-038, dated July 28, 2022.~~*

Issued: ~~September 23~~~~August 1~~, 2022  
Effective: ~~December~~~~August~~ 1, 2022

Issued by: Robert Hevert  
Senior Vice President

	<u>Dec-22</u> <u>Estimated</u>	<u>Jan-23</u> <u>Estimated</u>	<u>Feb-23</u> <u>Estimated</u>	<u>Mar-23</u> <u>Estimated</u>	<u>Apr-23</u> <u>Estimated</u>	<u>May-23</u> <u>Estimated</u>	<u>Jun-23</u> <u>Estimated</u>	<u>Jul-23</u> <u>Estimated</u>	<u>Total</u>
<b><u>Residential Class</u></b>									
1 Reconciliation (1)	(\$48,153)	(\$53,995)	(\$53,842)	(\$47,775)	(\$41,926)	(\$38,888)	(\$39,581)	(\$51,789)	(\$375,948)
2 Total Costs (Page 2)	<u>\$12,855,856</u>	<u>\$17,879,706</u>	<u>\$16,900,954</u>	<u>\$9,396,545</u>	<u>\$5,441,733</u>	<u>\$4,404,693</u>	<u>\$4,233,465</u>	<u>\$6,444,992</u>	<u>\$77,557,943</u>
3 Reconciliation plus Total Costs (L.1 + L.2)	\$12,807,703	\$17,825,711	\$16,847,112	\$9,348,770	\$5,399,806	\$4,365,805	\$4,193,884	\$6,393,203	\$77,181,995
4 kWh Purchases	<u>41,415,875</u>	<u>46,440,534</u>	<u>46,308,877</u>	<u>41,090,869</u>	<u>36,060,675</u>	<u>33,447,286</u>	<u>34,043,152</u>	<u>44,543,620</u>	<u>323,350,888</u>
5 Total, Before Losses (L.3 / L.4)	\$0.30925	\$0.38384	\$0.36380	\$0.22751	\$0.14974	\$0.13053	\$0.12319	\$0.14353	\$0.23869
6 Losses	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>
7 Total Retail Rate - Residential Variable Power Supply Charge (L.5 * (1+L.6))	\$0.32904	\$0.40841	\$0.38708	\$0.24208	\$0.15933	\$0.13888	\$0.13108	\$0.15271	
8 Total Retail Rate - Residential Fixed Power Supply Charge (L.5 * (1+L.6))									\$0.25397
<b><u>G2 and OL Class</u></b>									
9 Reconciliation (1)	(\$18,626)	(\$19,956)	(\$19,685)	(\$18,777)	(\$17,507)	(\$17,775)	(\$18,102)	(\$20,827)	(\$151,254)
10 Total Costs (Page 2)	<u>\$4,960,460</u>	<u>\$6,711,190</u>	<u>\$6,302,109</u>	<u>\$3,708,307</u>	<u>\$2,244,743</u>	<u>\$1,971,467</u>	<u>\$1,994,140</u>	<u>\$2,634,684</u>	<u>\$30,527,100</u>
11 Reconciliation plus Total Costs (L.9 + L.10)	\$4,941,834	\$6,691,235	\$6,282,425	\$3,689,530	\$2,227,236	\$1,953,692	\$1,976,038	\$2,613,857	\$30,375,845
12 kWh Purchases	<u>16,018,075</u>	<u>17,161,442</u>	<u>16,928,347</u>	<u>16,147,841</u>	<u>15,055,803</u>	<u>15,286,171</u>	<u>15,567,560</u>	<u>17,910,900</u>	<u>130,076,139</u>
13 Total, Before Losses (L.11 / L.12)	\$0.30852	\$0.38990	\$0.37112	\$0.22848	\$0.14793	\$0.12781	\$0.12693	\$0.14594	\$0.23352
14 Losses	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>
15 Total Retail Rate - G2 and OL Variable Power Supply Charge (L.13 * (1+L.14))	\$0.32826	\$0.41485	\$0.39487	\$0.24311	\$0.15740	\$0.13599	\$0.13506	\$0.15528	
16 Total Retail Rate - G2 and OL Fixed Power Supply Charge (L.13 * (1+L.14))									\$0.24847

(1) As filed in DE 22-017 (March 25, 2022). Power Supply Charge balance as of February 28, 2022, as adjusted, allocated between rate periods (June-November 2022 and December 2022-July 2023) and rate classes (Residential and G2/OL), and then to each month, December 2022 through July 2023, on equal per kWh basis.

Rate period: June-November 2022	Reconciliation per period	
Rate period: December 2022-July 2023	(\$528,681)	
Total	<u>(\$527,203)</u>	
		December 2022-July 2023
		Reconciliation
Residential class	kWh purchases	% by class
G2 and OL class	323,350,888	71.31%
Total	<u>130,076,139</u>	<u>28.69%</u>
	453,427,027	<u>(\$527,203)</u>

REDACTED

Unitil Energy Systems, Inc.  
Itemized Costs for Non-G1 Class Default Service Charge

Calculation of Working Capital Supplier Charges and GIS Support Payments															
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
Non-G1 Class (Residential) DS Supplier Charges (1)	Non-G1 Class (G2 and OL) DS Supplier Charges (1)	GIS Support Payments	Number of Days of Lag / 365 (2)	Working Capital Requirement ((a+b+c)*d)	Prime Rate	Supply Related Working Capital (e * f)	Provision for Uncollected Accounts	Internal Company Administrative Costs	Legal Charges	Consulting Outside Service Charges	Default Service Portion of the annual PUC Assessment	Non-G1 Class (Residential) DS Supplier Charges (col. a)	Non-G1 Class (G2 and OL) DS Supplier Charges (col. b)	Total Remaining Costs (sum col. c + g + h + i + j + k + l)	Total All Costs (sum col. m + n + o)
Dec-22		\$482	6.17%		5.50%			\$2,912	\$0	\$0	\$769				\$17,816,315
Jan-23		\$531	6.17%		5.50%			\$2,912	\$0	\$0	\$769				\$24,590,897
Feb-23		\$588	6.17%		5.50%			\$2,912	\$0	\$0	\$769				\$23,203,063
Mar-23		\$584	6.17%		5.50%			\$2,912	\$0	\$0	\$769				\$13,104,851
Apr-23		\$529	6.17%		5.50%			\$2,912	\$0	\$0	\$769				\$7,686,476
May-23		\$472	6.17%		5.50%			\$2,912	\$0	\$0	\$769				\$6,376,160
Jun-23		\$450	6.17%		5.50%			\$2,912	\$0	\$0	\$769				\$6,227,605
Jul-23		\$458	6.17%		5.50%			\$2,912	\$0	\$0	\$769				\$9,079,676
Total		\$4,095						\$23,295	\$0	\$0	\$6,155				\$108,085,043

Total Costs Allocated to the Residential Class and the G2/OL Class

Non-G1 Class (Residential) DS Supplier Charges (col. a)	Allocation of Remaining Costs (col. o) to Residential Class (3)	Total Non-G1 Class (Residential) Power Supply Charges (iii) = (i) + (ii)	Non-G1 Class (G2 and OL) DS Supplier Charges (col. b)	Allocation of Remaining Costs (col. o) to G2 and OL Class (3)	Total Non-G1 Class (G2 and OL) Power Supply Charges (vi) = (iv) + (v)
(i)	(ii)	(iii)	(iv)	(v)	(vi)
Dec-22		\$12,855,856	Dec-22		\$4,960,460
Jan-23		\$17,879,706	Jan-23		\$6,711,190
Feb-23		\$16,900,954	Feb-23		\$6,302,109
Mar-23		\$9,396,545	Mar-23		\$3,708,307
Apr-23		\$5,441,733	Apr-23		\$2,244,743
May-23		\$4,404,693	May-23		\$1,971,467
Jun-23		\$4,233,465	Jun-23		\$1,994,140
Jul-23		\$6,444,992	Jul-23		\$2,634,684
Total		\$77,557,943	Total		\$30,527,100

(1) Estimates based on monthly average wholesale rate times estimated monthly purchases.

(2) Number of days lag equals 22.52. Calculated using revenue lag of 58.28 days less cost lead of 35.76 days. Revenue lag per Schedule DTN-1, Page 4 of 23 and cost lead per Schedule DTN-1, Page 22 of 23, DE 22-017 filed March, 25, 2022.

(3) Remaining Costs (column o) allocated between the Residential Class and the G2 and Outdoor Lighting Class based on estimated monthly kWh purchases, as shown below:

Estimated kWh Purchases - Residential Class	Estimated kWh Purchases - G2 and OL Class	Total Non-G1 Class kWh Purchases	Residential Class kWh Purchases / Total Non-G1 Class kWh Purchases	G2 and OL Class kWh Purchases / Total Non-G1 Class kWh Purchases
Dec-22	41,415,875	57,433,950	72.1%	27.9%
Jan-23	46,440,534	63,601,975	73.0%	27.0%
Feb-23	46,308,877	63,237,224	73.2%	26.8%
Mar-23	41,090,869	57,238,710	71.8%	28.2%
Apr-23	36,060,675	51,116,478	70.5%	29.5%
May-23	33,447,286	48,733,457	68.6%	31.4%
Jun-23	34,043,152	49,610,712	68.6%	31.4%
Jul-23	44,543,620	62,454,520	71.3%	28.7%
Total	323,350,888	453,427,027		

Unitil Energy Systems, Inc.  
 Calculation of Non-G1 Class Default Service Renewable Portfolio Standard (RPS) Charge

Schedule LSM-3  
 Page 1 of 2

	<u>Dec-22</u> <u>Estimated</u>	<u>Jan-23</u> <u>Estimated</u>	<u>Feb-23</u> <u>Estimated</u>	<u>Mar-23</u> <u>Estimated</u>	<u>Apr-23</u> <u>Estimated</u>	<u>May-23</u> <u>Estimated</u>	<u>Jun-23</u> <u>Estimated</u>	<u>Jul-23</u> <u>Estimated</u>	<u>Total</u>
1 Reconciliation (1)	(\$128,228)	(\$141,998)	(\$141,184)	(\$127,792)	(\$114,123)	(\$108,803)	(\$110,761)	(\$139,436)	(\$1,012,325)
2 Total Costs (Page 2)	\$405,384	\$458,718	\$456,087	\$412,828	\$368,675	\$351,492	\$357,820	\$450,448	\$3,261,451
3 Reconciliation plus Total Costs (L.1 + L.2)	\$277,156	\$316,720	\$314,903	\$285,036	\$254,552	\$242,690	\$247,058	\$311,011	\$2,249,126
4 kWh Purchases	57,433,950	63,601,975	63,237,224	57,238,710	51,116,478	48,733,457	49,610,712	62,454,520	453,427,027
5 Total, Before Losses (L.3 / L.4)	\$0.00483	\$0.00498	\$0.00498	\$0.00498	\$0.00498	\$0.00498	\$0.00498	\$0.00498	\$0.00496
6 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
7 Total Retail Rate - Variable RPS Charge (L.5 * (1+L.6))	\$0.00513	\$0.00530	\$0.00530	\$0.00530	\$0.00530	\$0.00530	\$0.00530	\$0.00530	\$0.00528
8 Total Retail Rate - Fixed RPS Charge (L.5 * (1+L.6))									\$0.00528

(1) As filed in DE 22-017 (March 25, 2022). Renewable Portfolio Standard Charge balance as of February 28, 2022, as adjusted, allocated between rate periods (June-November 2022 and December 2022-July 2023) and then to each month on equal per kWh basis.

Reconciliation amount for June-November 2022	(\$1,015,164)
Reconciliation amount for December 2022-July 2023	(\$1,012,325)
Total	(\$2,027,489)

	(a) Renewable Energy Credits (1)	<i>Calculation of Working Capital</i>				(f) Total Costs (sum a + e)
		(b) Number of Days of Lag / 365 (2)	(c) Working Capital Requirement (a*b)	(d) Prime Rate	(e) Supply Related Working Capital (c * d)	
Dec-22	\$421,256	(68.51%)	(\$288,589)	5.50%	(\$15,872)	\$405,384
Jan-23	\$476,679	(68.51%)	(\$326,558)	5.50%	(\$17,961)	\$458,718
Feb-23	\$473,945	(68.51%)	(\$324,684)	5.50%	(\$17,858)	\$456,087
Mar-23	\$428,992	(68.51%)	(\$293,889)	5.50%	(\$16,164)	\$412,828
Apr-23	\$383,110	(68.51%)	(\$262,457)	5.50%	(\$14,435)	\$368,675
May-23	\$365,255	(68.51%)	(\$250,224)	5.50%	(\$13,762)	\$351,492
Jun-23	\$371,830	(68.51%)	(\$254,729)	5.50%	(\$14,010)	\$357,820
Jul-23	\$468,085	(68.51%)	(\$320,670)	5.50%	(\$17,637)	\$450,448
Total	\$3,389,150		(\$2,321,800)		(\$127,699)	\$3,261,451

(1) Schedule JMP-4.

(2) Number of days lag equals (250.05). Calculated using revenue lag of 58.28 days less cost lead of 308.33 days. Revenue lag per Schedule DTN-1, Page 4 of 23 and cost lead per Schedule DTN-1, Page 22 of 23, DE 22-017 filed March 25, 2022.

Unitil Energy Systems, Inc.  
 Calculation of G1 Large General Service Class Default Service Power Supply Charge

	<b>Total</b> <b><u>December 2022-July 2023</u></b>
1 Reconciliation (1)	\$210,620
2 Total Costs excl. wholesale supplier charge (Page 2)	<u>\$41,107</u>
3 Reconciliation plus Total Costs excl. wholesale supplier charge (L.1 + L.2)	\$251,727
4 kWh Purchases	<u>37,095,826</u>
5 Total, Before Losses (L.3 / L.4)	\$0.00679
6 Losses	<u>4.591%</u>
7 Power Supply Charge excl. wholesale supplier charge (L.5 * (1+L.6)) (2)	\$0.00710

(1) As filed in DE 22-017 (March 25, 2022). Power Supply Charge balance as of February 28, 2022, as adjusted, allocated between rate periods (June-November 2022 and December 2022-July 2023) on equal per kWh basis.

Reconciliation amount for June-November 2022	\$235,673
Reconciliation amount for December 2022-July 2023	<u>\$210,620</u>
Total	\$446,293

(2) The total G1 Power Supply Charge will equal the sum of Line 7 plus a wholesale supplier charge which shall be determined at the end of each month. The wholesale supply charges will be determined as the sum of the average ISO-New England real time hourly locational marginal prices for the New Hampshire load zone, weighted by the wholesale hourly kWh volumes of the Company's G1 Default Service customers, and charges for capacity, ancillary services, and other supplier costs established through a competitive bidding process.

<i>Calculation of Working Capital Supplier Charges and GIS Support Payments</i>											
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Total G1 Class DS Supplier Charges (1)	GIS Support Payments	Number of Days of Lag / 365 (2)	Working Capital Requirement (3)	Prime Rate	Supply Related Working Capital (d * e)	Provision for Uncollected Accounts	Internal Company Administrative Costs	Legal Charges	Consulting Outside Service Charges	Default Service Portion of the annual PUC Assessment	Total Costs (sum a + b + f + g + h + i + j + k)
Dec-22	\$42	1.15%	\$11,884	5.50%	\$654	\$0	\$4,530	\$0	\$0	\$64	\$5,289
Jan-23	\$41	1.15%	\$15,552	5.50%	\$855	\$0	\$4,530	\$0	\$0	\$64	\$5,491
Feb-23	\$43	1.15%	\$14,415	5.50%	\$793	\$0	\$4,530	\$0	\$0	\$64	\$5,430
Mar-23	\$42	1.15%	\$8,943	5.50%	\$492	\$0	\$4,530	\$0	\$0	\$64	\$5,128
Apr-23	\$42	1.15%	\$5,572	5.50%	\$306	\$0	\$4,530	\$0	\$0	\$64	\$4,942
May-23	\$40	1.15%	\$5,143	5.50%	\$283	\$0	\$4,530	\$0	\$0	\$64	\$4,917
Jun-23	\$43	1.15%	\$5,077	5.50%	\$279	\$0	\$4,530	\$0	\$0	\$64	\$4,916
Jul-23	<u>\$43</u>	1.15%	\$6,492	5.50%	<u>\$357</u>	<u>\$0</u>	<u>\$4,530</u>	<u>\$0</u>	<u>\$0</u>	<u>\$64</u>	<u>\$4,994</u>
Total	\$336				\$4,019	\$0	\$36,239	\$0	\$0	\$512	\$41,107

(1) DS Supplier Charges to be determined at the end of each month.

(2) Number of days lag equals 4.20. Calculated using revenue lag of 43.25 days less cost lead of 39.05 days. Revenue lag per Schedule DTN-1, Page 4 of 23 and cost lead per Schedule DTN-1, Page 20 of 23, DE 22-017 filed March 25, 2022.

(3) The working capital requirement equals the supplier charge plus GIS Support payment times the number of days lag divided by 365. As the G1 class supplier charge is not determined using a contract price, estimates of the G1 class power supply costs were calculated based on the forecasted G1 class kWh purchases and an estimated price per kWh. The estimated price per kWh was determined by comparing a historical relationship between G1 and Non-G1 class supplier pricing and then applying that relationship to the current average Non-G1 supplier price per kWh. Actual working capital will be determined using the actual supplier charges in each month.

Unitil Energy Systems, Inc.  
 Calculation of G1 Class Default Service Renewable Portfolio Standard (RPS) Charge

	<u>Dec-22</u> <u>Estimated</u>	<u>Jan-23</u> <u>Estimated</u>	<u>Feb-23</u> <u>Estimated</u>	<u>Mar-23</u> <u>Estimated</u>	<u>Apr-23</u> <u>Estimated</u>	<u>May-23</u> <u>Estimated</u>	<u>Jun-23</u> <u>Estimated</u>	<u>Jul-23</u> <u>Estimated</u>	<u>Total</u>
1 Reconciliation (1)	(\$9,331)	(\$9,747)	(\$9,512)	(\$9,506)	(\$9,061)	(\$9,629)	(\$9,805)	(\$10,832)	(\$77,423)
2 Total Costs (Page 2)	<u>\$32,062</u>	<u>\$34,225</u>	<u>\$33,398</u>	<u>\$33,377</u>	<u>\$31,815</u>	<u>\$33,810</u>	<u>\$34,428</u>	<u>\$38,033</u>	<u>\$271,149</u>
3 Reconciliation plus Total Costs (L.1 + L.2)	\$22,732	\$24,478	\$23,886	\$23,871	\$22,754	\$24,181	\$24,623	\$27,201	\$193,726
4 kWh Purchases	<u>4,470,675</u>	<u>4,670,304</u>	<u>4,557,419</u>	<u>4,554,602</u>	<u>4,341,351</u>	<u>4,613,577</u>	<u>4,697,997</u>	<u>5,189,901</u>	<u>37,095,826</u>
5 Total, Before Losses (L.3 / L.4)	\$0.00508	\$0.00524	\$0.00524	\$0.00524	\$0.00524	\$0.00524	\$0.00524	\$0.00524	
6 Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	
7 Total Retail Rate - Variable RPS Charge (L.5 * (1+L.6))	\$0.00532	\$0.00548	\$0.00548	\$0.00548	\$0.00548	\$0.00548	\$0.00548	\$0.00548	

(1) As filed in DE 22-017 (March 25, 2022). Renewable Portfolio Standard Charge balance as of February 28, 2022, as adjusted, allocated between rate periods (June-November 2022 and December 2022-July 2023) and then to each month on equal per kWh basis.

Reconciliation amount for June-November 2022	(\$86,643)
Reconciliation amount for December 2022-July 2023	<u>(\$77,423)</u>
Total	(\$164,066)

Unitil Energy Systems, Inc.  
Itemized Costs for G1 Class Default Service Renewable Portfolio Standard Charge

Schedule LSM-5  
Page 2 of 2

	(a) Renewable Energy Credits (1)	<i>Calculation of Working Capital</i>				(f) Total Costs (sum a + e)
		(b) Number of Days of Lag / 365 (2)	(c) Working Capital Requirement (a*b)	(d) Prime Rate	(e) Supply Related Working Capital (c * d)	
Dec-22	\$33,373	(71.39%)	(\$23,824)	5.50%	(\$1,310)	\$32,062
Jan-23	\$35,624	(71.39%)	(\$25,432)	5.50%	(\$1,399)	\$34,225
Feb-23	\$34,763	(71.39%)	(\$24,817)	5.50%	(\$1,365)	\$33,398
Mar-23	\$34,741	(71.39%)	(\$24,802)	5.50%	(\$1,364)	\$33,377
Apr-23	\$33,115	(71.39%)	(\$23,640)	5.50%	(\$1,300)	\$31,815
May-23	\$35,191	(71.39%)	(\$25,123)	5.50%	(\$1,382)	\$33,810
Jun-23	\$35,835	(71.39%)	(\$25,582)	5.50%	(\$1,407)	\$34,428
Jul-23	<u>\$39,587</u>	(71.39%)	(\$28,261)	5.50%	<u>(\$1,554)</u>	<u>\$38,033</u>
Total	\$282,230				(\$11,081)	\$271,149

(1) Schedule JMP-4.

(2) Number of days lag equals (260.57). Calculated using revenue lag of 43.25 days less cost lead of 303.82 days. Revenue lag per Schedule DTN-1, Page 4 of 23 and cost lead per Schedule DTN-1, Page 20 of 23, DE 22-017 filed March 25, 2022.

**Unitil Energy Systems, Inc.**  
**Internal Administrative Costs associated with Default Service**

	<u>G1 Class</u>	<u>Non-G1 Class</u>	<u>Total</u>	Notes:	
<b>Energy Contracts Department:</b>					
1	Average Cost of Labor per Hour	\$60.41	\$60.41	\$60.41	1
2	Estimated Annual Hours Required to Accomplish Tasks	<u>249.4</u>	<u>150.6</u>	<u>400.0</u>	
3	Cost of Labor	\$15,066	\$9,098	\$24,164	
4	Overhead (Line 3 * Overhead rate)	<u>\$14,765</u>	<u>\$8,916</u>	<u>\$23,681</u>	2
5	<b>Total Labor and Overhead Cost</b>	<b><u>\$29,831</u></b>	<b><u>\$18,014</u></b>	<b><u>\$47,845</u></b>	
<b>Regulatory Services Department:</b>					
1	Average Cost of Labor per Hour	\$61.34	\$61.34	\$61.34	1
2	Estimated Annual Hours Required to Accomplish Tasks	<u>88.0</u>	<u>35.0</u>	<u>123.0</u>	
3	Cost of Labor	\$5,398	\$2,147	\$7,545	
4	Overhead (Line 3 * Overhead rate)	<u>\$5,290</u>	<u>\$2,104</u>	<u>\$7,394</u>	2
5	<b>Total Labor and Overhead Cost</b>	<b><u>\$10,688</u></b>	<b><u>\$4,251</u></b>	<b><u>\$14,939</u></b>	
<b>Accounts Payable Department:</b>					
1	Average Cost of Labor per Hour	\$21.41	\$21.41	\$21.41	1
2	Estimated Annual Hours Required to Accomplish Tasks	<u>6.0</u>	<u>6.0</u>	<u>12.0</u>	
3	Cost of Labor	\$128	\$128	\$257	
4	Overhead (Line 3 * Overhead rate)	<u>\$126</u>	<u>\$126</u>	<u>\$252</u>	2
5	<b>Total Labor and Overhead Cost</b>	<b><u>\$254</u></b>	<b><u>\$254</u></b>	<b><u>\$509</u></b>	
<b>General Accounting Department:</b>					
1	Average Cost of Labor per Hour	\$41.02	\$41.02	\$41.02	1
2	Estimated Annual Hours Required to Accomplish Tasks	<u>6.0</u>	<u>6.0</u>	<u>12.0</u>	
3	Cost of Labor	\$246	\$246	\$492	
4	Overhead (Line 3 * Overhead rate)	<u>\$241</u>	<u>\$241</u>	<u>\$482</u>	2
5	<b>Total Labor and Overhead Cost</b>	<b><u>\$487</u></b>	<b><u>\$487</u></b>	<b><u>\$975</u></b>	
<b>Finance Department:</b>					
1	Average Cost of Labor per Hour	\$47.44	\$47.44	\$47.44	1
2	Estimated Annual Hours Required to Accomplish Tasks	<u>26.0</u>	<u>26.0</u>	<u>52.0</u>	
3	Cost of Labor	\$1,233	\$1,233	\$2,467	
4	Overhead (Line 3 * Overhead rate)	<u>\$1,209</u>	<u>\$1,209</u>	<u>\$2,418</u>	2
5	<b>Total Labor and Overhead Cost</b>	<b><u>\$2,442</u></b>	<b><u>\$2,442</u></b>	<b><u>\$4,884</u></b>	
<b>Communications Department:</b>					
1	Average Cost of Labor per Hour	\$54.07	\$54.07	\$54.07	1
2	Estimated Annual Hours Required to Accomplish Tasks	<u>60.0</u>	<u>60.0</u>	<u>120.0</u>	
3	Cost of Labor	\$3,244	\$3,244	\$6,488	
4	Overhead (Line 3 * Overhead rate)	<u>\$3,179</u>	<u>\$3,179</u>	<u>\$6,359</u>	2
5	<b>Total Labor and Overhead Cost</b>	<b><u>\$6,424</u></b>	<b><u>\$6,424</u></b>	<b><u>\$12,847</u></b>	
<b>Customer Energy Solutions (formerly Business Development) Department:</b>					
1	Average Cost of Labor per Hour	\$59.46	\$59.46	\$59.46	1
2	Estimated Annual Hours Required to Accomplish Tasks	<u>8.0</u>	<u>0.0</u>	<u>8.0</u>	
3	Cost of Labor	\$476	\$0	\$476	
4	Overhead (Line 3 * Overhead rate)	<u>\$466</u>	<u>\$0</u>	<u>\$466</u>	2
5	<b>Total Labor and Overhead Cost</b>	<b><u>\$942</u></b>	<b><u>\$0</u></b>	<b><u>\$942</u></b>	
<b>Information Systems Department:</b>					
1	Average Cost of Labor per Hour	\$50.41	\$50.41	\$50.41	1
2	Estimated Annual Hours Required to Accomplish Tasks	<u>3.6</u>	<u>1.4</u>	<u>5.0</u>	
3	Cost of Labor	\$181	\$71	\$252	
4	Overhead (Line 3 * Overhead rate)	<u>\$178</u>	<u>\$69</u>	<u>\$247</u>	2
5	<b>Total Labor and Overhead Cost</b>	<b><u>\$359</u></b>	<b><u>\$140</u></b>	<b><u>\$499</u></b>	
<b>Customer Service Department:</b>					
1	Average Cost of Labor per Hour	\$30.84	\$30.84	\$30.84	1
2	Estimated Annual Hours Required to Accomplish Tasks	<u>48.0</u>	<u>48.0</u>	<u>96.0</u>	
3	Cost of Labor	\$1,480	\$1,480	\$2,961	
4	Overhead (Line 3 * Overhead rate)	<u>\$1,451</u>	<u>\$1,451</u>	<u>\$2,901</u>	2
5	<b>Total Labor and Overhead Cost</b>	<b><u>\$2,931</u></b>	<b><u>\$2,931</u></b>	<b><u>\$5,862</u></b>	
	<b>TOTAL ANNUAL COST</b>	<b><u>\$54,359</u></b>	<b><u>\$34,943</u></b>	<b><u>\$89,301</u></b>	

Notes:

- 1) See Schedule LSM-6, Page 2 of 2.
- 2) Based on Unitil Service Corp. overhead rate of 98% (2021 average rate).

**Unitil Service Corp.  
Average Cost of Labor per Hour by Department**

<u>Department</u> (a)	<u>Full Time Equivalent</u> (b)	<u>Annualized Base Labor (1)</u> (c)	<u>Open Positions</u> (d)	<u>Open Positions (2)</u> (e)	<u>Total Positions</u> (b) + (d) = (f)	<u>Total Salaries</u> (c) + (e) = (g)	<u>Avg Hrly Labor Cost (3)</u> (g) ÷ (f) ÷ 2080 = (h)
Energy Contracts	8.0	\$1,005,239	0.0	\$0	8.00	\$1,005,239	\$60.41
Regulatory / Legal	12.0	\$1,593,151	1.0	\$65,382	13.00	\$1,658,533	\$61.34
Accounts Payable	5.0	\$222,650	0.0	\$0	5.00	\$222,650	\$21.41
General Accounting	18.0	\$1,719,369	3.0	\$72,577	21.00	\$1,791,946	\$41.02
Finance	7.0	\$690,760	0.0	\$0	7.00	\$690,760	\$47.44
Communications	10.0	\$1,124,746	0.0	\$0	10.00	\$1,124,746	\$54.07
Customer Energy Solutions (formerly Business Services)	26.0	\$3,340,020	2.0	\$123,218	28.00	\$3,463,238	\$59.46
Information Technology	31.0	\$3,250,263	0.0	\$0	31.00	\$3,250,263	\$50.41
Customer Service	75.0	\$4,857,031	3.0	\$146,656	78.00	\$5,003,687	\$30.84

(1) Annualized salaries of active employees as of September 1, 2021

(2) Salary range 90% of midpoint of open positions as of September 1, 2021

(3) Total Salaries ÷ Total Positions ÷ (40 hours/wk \* 52 weeks/yr)

Unitil Energy Systems, Inc.

Time Differentiated Default Service Charge  
Effective December 1, 2022 through July 31, 2023

Comparison of Rates and Ratios from Exh. 24 Revised Attachment A  
to December 1, 2022 through July 31, 2023 Rates and Ratios

	For June 1, 2023 through July 31, 2023				For December 1, 2022 through May 31, 2023				Summer Volumetric Rates June 1, 2023 to July 31, 2023				Winter Volumetric Rates December 1, 2023 to May 31, 2023			
	Summer Volumetric Rates (1) June 1 - Nov 30	Ratios to Current Rate	Ratios Applied to December 1, 2022 Rates		Winter Volumetric Rates (1) Dec 1 - May 31	Ratios to Current Rate	Ratios Applied to December 1, 2022 Rates		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
<b>Schedule TOU-D and Schedule TOU-EV-D</b> <i>6/1/20 and 12/1/20 DS Chg with annual RPS</i>	\$ 0.07011	12/1/22 DS Chg	\$ 0.25925		\$ 0.09291	12/1/22 DS Chg	\$ 0.25925									
<b>Default Service Charge:</b>																
Off Peak kWh	\$ 0.05885	0.84	\$ 0.21761	\$ 0.05833	0.63	\$ 0.16276	\$ 0.05885	81.0%	\$ 0.21761	81.0%	\$ 0.05833	98.1%	\$ 0.16276	98.1%		
Mid Peak kWh	\$ 0.07266	1.04	\$ 0.26868	\$ 0.05943	0.64	\$ 0.16583	\$ 0.07266	100.0%	\$ 0.26868	100.0%	\$ 0.05943	100.0%	\$ 0.16583	100.0%		
On Peak kWh	\$ 0.26801	3.82	\$ 0.99104	\$ 0.07151	0.77	\$ 0.19954	\$ 0.26801	368.9%	\$ 0.99104	368.9%	\$ 0.07151	120.3%	\$ 0.19954	120.3%		
<b>Schedule TOU-EV-G2</b> <i>6/1/20 and 12/1/20 DS Chg with annual RPS</i>	\$ 0.05897	12/1/22 DS Chg	\$ 0.25375	\$ 0.08678	12/1/22 DS Chg	\$ 0.25375										
<b>Default Service Charge:</b>																
Off Peak kWh	\$ 0.04919	0.83	\$ 0.21167	\$ 0.05390	0.62	\$ 0.15761	\$ 0.04919	79.1%	\$ 0.21167	79.1%	\$ 0.05390	95.9%	\$ 0.15761	95.9%		
Mid Peak kWh	\$ 0.06216	1.05	\$ 0.26748	\$ 0.05620	0.65	\$ 0.16433	\$ 0.06216	100.0%	\$ 0.26748	100.0%	\$ 0.05620	100.0%	\$ 0.16433	100.0%		
On Peak kWh	\$ 0.25774	4.37	\$ 1.10906	\$ 0.06809	0.78	\$ 0.19910	\$ 0.25774	414.6%	\$ 1.10906	414.6%	\$ 0.06809	121.2%	\$ 0.19910	121.2%		
Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)																
Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)																
On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)																

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

Unitil Energy Systems, Inc.  
Domestic Delivery Service

Schedule TOU-D and TOU-EV-D Rate Development, including Step Adjustment, External Delivery Charge, and Stranded Cost Charge

Effective August 1, 2022

	Summer		Ratios		Winter		Ratios	
	Volumetric Rates (1)	Ratios to Current Rate	Applied to August 1, 2022 Rates	Volumetric Rates (1)	Ratios to Current Rate	Applied to 1-Aug-22 Rates	Applied to 1-Aug-22 Rates	
1 <b>Customer Charge (TOU-EV-D):</b>			\$ 5.26				\$ 5.26	
2 <b>Customer Charge (TOU-D):</b>			\$ 16.22				\$ 16.22	
3	<i>Current Dist. Chg.</i>	<i>0.03558</i>	<i>8/1/22 Dist. Chg</i>	\$ <i>0.04511</i>	<i>0.03558</i>		\$ <i>0.04511</i>	
4 <b>Distribution Charge:</b>								
5 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.03138	0.88	\$ 0.03979	\$ 0.03060	0.86	\$ 0.03880	\$ 0.03880	
6 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.04433	1.25	\$ 0.05620	\$ 0.04195	1.18	\$ 0.05319	\$ 0.05319	
7 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.04004	1.13	\$ 0.05076	\$ 0.03619	1.02	\$ 0.04588	\$ 0.04588	
8								
9	<i>8/1/20 Trans Chg excl reconciliation and interest</i>		\$ <i>0.03224</i>	<i>8/1/22 Trans Chg</i>		\$ <i>0.03328</i>	\$ <i>0.03328</i>	
10 <b>External Delivery Charge- Transmission:</b>								
11 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -		\$ -	\$ 0.00172	0.05	\$ 0.00178	\$ 0.00178	
12 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.02070	0.64	\$ 0.02137	\$ 0.00370	0.11	\$ 0.00382	\$ 0.00382	
13 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.13961	4.33	\$ 0.14411	\$ 0.16208	5.03	\$ 0.16731	\$ 0.16731	
14 All hours kWh - reconciliation and interest	\$ 0.00408		\$ (0.00419)	\$ 0.00408		\$ (0.00419)	\$ (0.00419)	
15								
16	<i>6/1/20 and 12/1/20 DS Chg with annual RPS</i>		\$ <i>0.07011</i>	<i>6/1/22 DS Chg.</i>		\$ <i>0.10117</i>	\$ <i>0.10117</i>	
17 <b>Default Service Charge:</b>								
18 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.05885	0.84	\$ 0.08492	\$ 0.05833	0.63	\$ 0.10998	\$ 0.10998	
19 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.07266	1.04	\$ 0.10485	\$ 0.05943	0.64	\$ 0.11205	\$ 0.11205	
20 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.26801	3.82	\$ 0.38674	\$ 0.07151	0.77	\$ 0.13483	\$ 0.13483	
21								
22 <b>External Delivery Charge - non Transmission (\$/kWh)</b>			\$ (0.00376)			\$ (0.00376)	\$ (0.00376)	
23 <b>Stranded Cost Charge (\$/kWh)</b>			\$ 0.00002			\$ 0.00002	\$ 0.00002	
24 <b>System Benefits Charge (\$/kWh)</b>			\$ 0.00681			\$ 0.00681	\$ 0.00681	
25 <b>Storm Recovery Adjustment Factor (\$/kWh)</b>			\$ -			\$ -	\$ -	
26								
27 <b>Total kWh Charges:</b>								
28 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.12471			\$ 0.15056	\$ 0.15056	
29 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.18242			\$ 0.16906	\$ 0.16906	
30 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.58161			\$ 0.34802	\$ 0.34802	
31 All hours kWh			\$ (0.00112)			\$ (0.00112)	\$ (0.00112)	
32 <b>Total kWh Charges incl All hours Charges:</b>								
33 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.12359			\$ 0.14944	\$ 0.14944	
34 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.18130			\$ 0.16794	\$ 0.16794	
35 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.58049			\$ 0.34690	\$ 0.34690	

36 (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, 2022 Rates and Ratios

	Summer Volumetric Rates				Winter Volumetric Rates				
	Exh.24 Revised Attachment A	Ratio to Mid-Peak	August 1, 2022 Volumetric Rates	Ratio to Mid-Peak	Exh.24 Revised Attachment A	Ratio to Mid-Peak	Current Winter Volumetric Rates	Ratio to Mid-Peak	
1									
2									
3									
4	<b>Distribution Charge:</b>								
5	Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.03138	70.8%	\$ 0.03979	70.8%	\$ 0.03060	72.9%	\$ 0.03880	72.9%
6	Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.04433	100.0%	\$ 0.05620	100.0%	\$ 0.04195	100.0%	\$ 0.05319	100.0%
7	On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.04004	90.3%	\$ 0.05076	90.3%	\$ 0.03619	86.3%	\$ 0.04588	86.3%
8									
9	Excludes all hours reconciliation and interest component of \$0.00408 per kWh included in Exh.24 Revised								
10	<b>External Delivery Charge- Transmission:</b>								
11	Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -	0.0%	\$ -	0.0%	\$ 0.00172	46.5%	\$ 0.00178	46.6%
12	Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.02070	100.0%	\$ 0.02137	100.0%	\$ 0.00370	100.0%	\$ 0.00382	100.0%
13	On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.13961	674.4%	\$ 0.14411	674.4%	\$ 0.16208	4380.5%	\$ 0.16731	4379.8%
14	All hours kWh - reconciliation and interest								
15									
16									
17	<b>Default Service Charge:</b>								
18	Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.05885	81.0%	\$ 0.08492	81.0%	\$ 0.05833	98.1%	\$ 0.10998	98.2%
19	Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.07266	100.0%	\$ 0.10485	100.0%	\$ 0.05943	100.0%	\$ 0.11205	100.0%
20	On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.26801	368.9%	\$ 0.38674	368.9%	\$ 0.07151	120.3%	\$ 0.13483	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, including Step Adjustment, External Delivery Charge, and Stranded Cost Charge  
Effective August 1, 2022

	Summer		Ratios		Winter		Ratios	
	Volumetric Rates (1) June 1 - Nov 30	Ratios to Current Rate	Applied to August 1, 2022 Rates	Applied to August 1, 2022 Rates	Volumetric Rates (1) Dec 1 - May 31	Ratios to Current Rate	Applied to August 1, 2022 Rates	Applied to August 1, 2022 Rates
1 <b>Customer Charge:</b>			\$	29.19			\$	29.19
2 <b>Distribution Demand Charge (half 5/1/22 rate):</b>	\$ 5.26	8/1/22 Dist.Chg	\$	5.96			\$	5.96
3								
4		<i>Current Dist. Chg. (remaining half)</i>	\$	0.02046	8/1/22 Dist.Chg	\$	0.02319	\$ 0.02319
5 <b>Distribution Energy Charge:</b>								
6 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.02033	0.99	\$	0.02304	\$ 0.01900	0.93	\$	0.02153
7 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01944	0.95	\$	0.02203	\$ 0.01862	0.91	\$	0.02110
8 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.02802	1.37	\$	0.03175	\$ 0.02355	1.15	\$	0.02669
9								
10		8/1/20 Trans Chg excl reconciliation and interest	\$	0.03224	8/1/22 Trans Chg	\$	0.03328	\$ 0.03328
11 <b>External Delivery Charge- Transmission:</b>								
12 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -		\$	-	\$ 0.00185	0.06	\$	0.00191
13 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01579	0.49	\$	0.01630	\$ 0.00285	0.09	\$	0.00294
14 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.16990	5.27	\$	0.17538	\$ 0.18339	5.69	\$	0.18931
15 All hours kWh - reconciliation and interest	\$ 0.00408		\$	(0.00419)	\$ 0.00408		\$	(0.00419)
16								
17		6/1/20 and 12/1/20 DS Chg with annual RPS	\$	0.05897	6/1/22 DS Chg.	\$	0.09370	\$ 0.08678 12/1/21 DS Chg. \$ 0.15381
18 <b>Default Service Charge:</b>								
19 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.04919	0.83	\$	0.07816	\$ 0.05390	0.62	\$	0.09553
20 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.06216	1.05	\$	0.09877	\$ 0.05620	0.65	\$	0.09961
21 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.25774	4.37	\$	0.40953	\$ 0.06809	0.78	\$	0.12068
22								
23 <b>External Delivery Charge - non Transmission (\$/kWh)</b>				(0.00376)				(0.00376)
24 <b>Stranded Cost Charge (\$/kWh)</b>				0.00002				0.00002
25 <b>System Benefits Charge (\$/kWh)</b>				0.00681				0.00681
26 <b>Storm Recovery Adjustment Factor (\$/kWh)</b>				-				-
27								
28 <b>Total kWh Charges:</b>								
29 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$	0.10120			\$	0.11897
30 Mid Peak kWh (6 am -3 pm, M-F)			\$	0.13710			\$	0.12365
31 On Peak kWh (3 pm - 8 pm, M-F)			\$	0.61666			\$	0.33668
32 All hours kWh			\$	(0.00112)			\$	(0.00112)
33 <b>Total kWh Charges incl All hours Charges:</b>								
34 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$	0.10008			\$	0.11785
35 Mid Peak kWh (6 am -3 pm, M-F)			\$	0.13598			\$	0.12253
36 On Peak kWh (3 pm - 8 pm, M-F)			\$	0.61554			\$	0.33556
37 <b>(1) Time Of Use Rates - See DE 20-170 Exhibit 24 Revised, Attachment A Illustrative Rates</b>								

Unitil Energy Systems, Inc.  
Schedule TOU-EV-G2  
Comparison of Rates and Ratios from Exh. 24 Revised Attachment A  
and August 1, 2022 Rates and Ratios

	Summer				Winter				
	Volumetric		August 1, 2022		Volumetric		Current		
	Exh.24 Revised	Ratio to	Volumetric	Ratio to	Exh.24 Revised	Ratio to	Volumetric	Ratio to	
Attachment A	Mid-Peak	Rates	Mid-Peak	Attachment A	Mid-Peak	Rates	Mid-Peak		
1									
2									
3									
4									
5	<b>Distribution Energy Charge:</b>								
6	Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.02033	104.6%	\$ 0.02304	104.6%	\$ 0.01900	102.0%	\$ 0.02153	102.0%
7	Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01944	100.0%	\$ 0.02203	100.0%	\$ 0.01862	100.0%	\$ 0.02110	100.0%
8	On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.02802	144.1%	\$ 0.03175	144.1%	\$ 0.02355	126.5%	\$ 0.02669	126.5%
9		Excludes all hours reconciliation and interest component of \$0.00408 per kWh included in Exh.24 Revised							
10									
11	<b>External Delivery Charge- Transmission:</b>								
12	Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -	0.0%	\$ -	0.0%	\$ 0.00185	64.9%	\$ 0.00191	65.0%
13	Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01579	100.0%	\$ 0.01630	100.0%	\$ 0.00285	100.0%	\$ 0.00294	100.0%
14	On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.16990	1076.0%	\$ 0.17538	1076.0%	\$ 0.18339	6434.7%	\$ 0.18931	6439.1%
15	All hours kWh - reconciliation and interest								
16									
17									
18	<b>Default Service Charge:</b>								
19	Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.04919	79.1%	\$ 0.07816	79.1%	\$ 0.05390	95.9%	\$ 0.09553	95.9%
20	Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.06216	100.0%	\$ 0.09877	100.0%	\$ 0.05620	100.0%	\$ 0.09961	100.0%
21	On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.25774	414.6%	\$ 0.40953	414.6%	\$ 0.06809	121.2%	\$ 0.12068	121.2%
22									
23	Note: Small variances in ratios due to rounding								

Unitil Energy Systems, Inc.  
General Domestic Delivery Service  
Schedule TOU-EV-G1 Rate Development, including Step Adjustment, External Delivery Charge, and Stranded Cost Charge  
Effective August 1, 2022

	Summer		Ratios		Winter		Ratios	
	Volumetric		Applied to		Volumetric		Applied to	
	Rates (1)	Ratios to	August 1, 2022	Rates (1)	Ratios to	August 1, 2022	Rates	
	June 1 - Nov 30	Current Rate	Rates	Dec 1 - May 31	Current Rate	Rates	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	8/1/22 Dist.Chg	\$ 4.20			\$ 4.20		
4								
5		Current Dist. Chg. (remaining half)	\$ 0.01314	\$ 0.01189		\$ 0.01314		
6 Distribution Energy Charge:								
7 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.01105	0.93	\$ 0.01221	\$ 0.01087	0.91	\$ 0.01201		
8 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01197	1.01	\$ 0.01323	\$ 0.01145	0.96	\$ 0.01266		
9 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.01631	1.37	\$ 0.01803	\$ 0.01400	1.18	\$ 0.01547		
10								
11		8/1/20 Trans Chg excl reconciliation and interest	\$ 0.03328	\$ 0.03224		\$ 0.03328		
12 External Delivery Charge- Transmission:								
13 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -		\$ -	\$ 0.00183	0.06	\$ 0.00189		
14 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01673	0.52	\$ 0.01727	\$ 0.00302	0.09	\$ 0.00312		
15 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.17016	5.28	\$ 0.17565	\$ 0.18768	5.82	\$ 0.19373		
16 All hours kWh - reconciliation and interest	\$ 0.00408		\$ (0.00419)	\$ 0.00408		\$ (0.00419)		
17								
18 External Delivery Charge - non Transmission (\$/kWh)			\$ (0.00376)			\$ (0.00376)		
19 Stranded Cost Charge (\$/kWh)			\$ 0.00002			\$ 0.00002		
20 System Benefits Charge (\$/kWh)			\$ 0.00681			\$ 0.00681		
21 Storm Recovery Adjustment Factor (\$/kWh)			\$ -			\$ -		
22								
23 Total kWh Charges (exclude Default Service all hours market rate):								
24 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.01221			\$ 0.01390		
25 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.03050			\$ 0.01578		
26 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.19368			\$ 0.20920		
27 All hours kWh			\$ (0.00112)			\$ (0.00112)		
28 Total kWh Charges incl All hours Charges except Default Service:								
29 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.01109			\$ 0.01278		
30 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.02938			\$ 0.01466		
31 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.19256			\$ 0.20808		

32 (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, 2022 Rates and Ratios

	Summer Volumetric Rates				Winter Volumetric Rates				
	Exh.24 Revised Attachment A	Ratio to Mid-Peak	August 1, 2022 Volumetric Rates	Ratio to Mid-Peak	Exh.24 Revised Attachment A	Ratio to Mid-Peak	Current Winter Volumetric Rates	Ratio to Mid-Peak	
1									
2									
3									
4									
5									
6	<b>Distribution Energy Charge:</b>								
7	Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.01105	92.3%	\$ 0.01221	92.3%	\$ 0.01087	94.9%	\$ 0.01201	94.9%
8	Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01197	100.0%	\$ 0.01323	100.0%	\$ 0.01145	100.0%	\$ 0.01266	100.0%
9	On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.01631	136.3%	\$ 0.01803	136.3%	\$ 0.01400	122.3%	\$ 0.01547	122.2%
10									
11	Excludes all hours reconciliation and interest component of \$0.00408 per kWh included in Exh.24 Revised								
12	<b>External Delivery Charge- Transmission:</b>								
13	Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -	0.0%	\$ -	0.0%	\$ 0.00183	60.6%	\$ 0.00189	60.6%
14	Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.01673	100.0%	\$ 0.01727	100.0%	\$ 0.00302	100.0%	\$ 0.00312	100.0%
15	On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.17016	1017.1%	\$ 0.17565	1017.1%	\$ 0.18768	6214.6%	\$ 0.19373	6209.3%
16									
17									
18									
19									
20									
21									
22									
23									
24	Note: Small variances in ratios due to rounding.								

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

**Residential Rate D 650 kWh Bill**

	9/1/2022	12/1/2022					%
<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>to Total Bill</u>
Customer Charge	\$16.22	\$16.22	\$0.00	\$16.22	\$16.22	\$0.00	0.0%
	<b><u>\$/kWh</u></b>	<b><u>\$/kWh</u></b>					
Distribution Charge	\$0.04511	\$0.04511	\$0.00000	\$29.32	\$29.32	\$0.00	0.0%
External Delivery Charge	\$0.02533	\$0.02533	\$0.00000	\$16.46	\$16.46	\$0.00	0.0%
Stranded Cost Charge	\$0.00002	\$0.00002	\$0.00000	\$0.01	\$0.01	\$0.00	0.0%
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
System Benefits Charge	\$0.00681	\$0.00681	\$0.00000	\$4.43	\$4.43	\$0.00	0.0%
Default Service Charge	<u>\$0.10117</u>	<u>\$0.25925</u>	<u>\$0.15808</u>	<u>\$65.76</u>	<u>\$168.51</u>	<u>\$102.75</u>	<u>77.7%</u>
Total kWh Charges	\$0.17844	\$0.33652	\$0.15808				
Total Bill				\$132.21	\$234.96	\$102.75	77.7%

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

	9/1/2022	12/1/2022					%
<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>to Total Bill</u>
Customer Charge	\$29.19	\$29.19	\$0.00	\$29.19	\$29.19	\$0.00	0.0%
	<b><u>All kW</u></b>	<b><u>All kW</u></b>					
Distribution Charge	\$11.91	\$11.91	\$0.00	\$131.01	\$131.01	\$0.00	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>
Total kW Charges	\$11.91	\$11.91	\$0.00	\$131.01	\$131.01	\$0.00	0.0%
	<b><u>\$/kWh</u></b>	<b><u>\$/kWh</u></b>					
Distribution Charge	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
External Delivery Charge	\$0.02533	\$0.02533	\$0.00000	\$70.92	\$70.92	\$0.00	0.0%
Stranded Cost Charge	\$0.00002	\$0.00002	\$0.00000	\$0.06	\$0.06	\$0.00	0.0%
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
System Benefits Charge	\$0.00681	\$0.00681	\$0.00000	\$19.07	\$19.07	\$0.00	0.0%
Default Service Charge	<u>\$0.09370</u>	<u>\$0.25375</u>	<u>\$0.16005</u>	<u>\$262.36</u>	<u>\$710.50</u>	<u>\$448.14</u>	<u>87.4%</u>
Total kWh Charges	\$0.12586	\$0.28591	\$0.16005	\$352.41	\$800.55	\$448.14	87.4%
Total Bill				\$512.61	\$960.75	\$448.14	87.4%

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

<b><u>Regular General G2 Quick Recovery Water Heating and Space Heating 1,660 kWh Typical Bill</u></b>							
	9/1/2022	12/1/2022					%
<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 Total Bill</u>
Customer Charge	\$9.73	\$9.73	\$0.00	\$9.73	\$9.73	\$0.00	0.0%
	<b><u>\$/kWh</u></b>	<b><u>\$/kWh</u></b>					
Distribution Charge	\$0.03599	\$0.03599	\$0.00000	\$59.74	\$59.74	\$0.00	0.0%
External Delivery Charge	\$0.02533	\$0.02533	\$0.00000	\$42.05	\$42.05	\$0.00	0.0%
Stranded Cost Charge	\$0.00002	\$0.00002	\$0.00000	\$0.03	\$0.03	\$0.00	0.0%
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
System Benefits Charge	\$0.00681	\$0.00681	\$0.00000	\$11.30	\$11.30	\$0.00	0.0%
Default Service Charge	<u>\$0.09370</u>	<u>\$0.25375</u>	<u>\$0.16005</u>	<u>\$155.54</u>	<u>\$421.23</u>	<u>\$265.68</u>	<u>95.4%</u>
Total kWh Charges	\$0.16185	\$0.32190	\$0.16005	\$268.67	\$534.35	\$265.68	95.4%
Total Bill				\$278.40	\$544.08	\$265.68	95.4%

<b><u>Regular General G2 kWh Meter 115 kWh Typical Bill</u></b>							
	9/1/2022	12/1/2022					%
<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 Total Bill</u>
Customer Charge	\$18.38	\$18.38	\$0.00	\$18.38	\$18.38	\$0.00	0.0%
	<b><u>\$/kWh</u></b>	<b><u>\$/kWh</u></b>					
Distribution Charge	\$0.02933	\$0.02933	\$0.00000	\$3.37	\$3.37	\$0.00	0.0%
External Delivery Charge	\$0.02533	\$0.02533	\$0.00000	\$2.91	\$2.91	\$0.00	0.0%
Stranded Cost Charge	\$0.00002	\$0.00002	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
System Benefits Charge	\$0.00681	\$0.00681	\$0.00000	\$0.78	\$0.78	\$0.00	0.0%
Default Service Charge	<u>\$0.09370</u>	<u>\$0.25375</u>	<u>\$0.16005</u>	<u>\$10.78</u>	<u>\$29.18</u>	<u>\$18.41</u>	<u>50.8%</u>
Total kWh Charges	\$0.15519	\$0.31524	\$0.16005	\$17.85	\$36.25	\$18.41	50.8%
Total Bill				\$36.23	\$54.63	\$18.41	50.8%

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

**Residential Rate D 653 kWh Bill - Mean Use\***

Rate Components	9/1/2022	12/1/2022	Difference	Current Bill	As Revised Bill	Difference	%
	<u>Current Rate</u>	<u>As Revised</u>					<u>Difference</u>
Customer Charge	\$16.22	\$16.22	\$0.00	\$16.22	\$16.22	\$0.00	0.0%
	<b><u>\$/kWh</u></b>	<b><u>\$/kWh</u></b>					
Distribution Charge	\$0.04511	\$0.04511	\$0.00000	\$29.46	\$29.46	\$0.00	0.0%
External Delivery Charge	\$0.02533	\$0.02533	\$0.00000	\$16.54	\$16.54	\$0.00	0.0%
Stranded Cost Charge	\$0.00002	\$0.00002	\$0.00000	\$0.01	\$0.01	\$0.00	0.0%
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
System Benefits Charge	\$0.00681	\$0.00681	\$0.00000	\$4.45	\$4.45	\$0.00	0.0%
Default Service Charge	<u>\$0.10117</u>	<u>\$0.25925</u>	<u>\$0.15808</u>	<u>\$66.06</u>	<u>\$169.29</u>	<u>\$103.23</u>	<u>77.8%</u>
Total kWh Charges	\$0.17844	\$0.33652	\$0.15808				
Total Bill				\$132.74	\$235.97	\$103.23	77.8%

**Residential Rate D 526 kWh Bill - Median Use\***

Rate Components	9/1/2022	12/1/2022	Difference	Current Bill	As Revised Bill	Difference	%
	<u>Current Rate</u>	<u>As Revised</u>					<u>Difference</u>
Customer Charge	\$16.22	\$16.22	\$0.00	\$16.22	\$16.22	\$0.00	0.0%
	<b><u>\$/kWh</u></b>	<b><u>\$/kWh</u></b>					
Distribution Charge	\$0.04511	\$0.04511	\$0.00000	\$23.73	\$23.73	\$0.00	0.0%
External Delivery Charge	\$0.02533	\$0.02533	\$0.00000	\$13.32	\$13.32	\$0.00	0.0%
Stranded Cost Charge	\$0.00002	\$0.00002	\$0.00000	\$0.01	\$0.01	\$0.00	0.0%
Storm Recovery Adj.	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
System Benefits Charge	\$0.00681	\$0.00681	\$0.00000	\$3.58	\$3.58	\$0.00	0.0%
Default Service Charge	<u>\$0.10117</u>	<u>\$0.25925</u>	<u>\$0.15808</u>	<u>\$53.22</u>	<u>\$136.37</u>	<u>\$83.15</u>	<u>75.5%</u>
Total kWh Charges	\$0.17844	\$0.33652	\$0.15808				
Total Bill				\$110.08	\$193.23	\$83.15	75.5%

\* Based on billing period January through December 2021.

Unitil Energy Systems, Inc.  
Average Class Impacts  
Due to Proposed Default Service Rate Changes Effective December 1, 2022

(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 DSC Change \$	(F) Estimated Annual Revenue \$ Under Present Rates	(G) Estimated Annual Revenue \$ Under Proposed Rates	(H) Proposed Net Change Revenue \$	(I) % Change DSC Revenue
Residential	815,280	515,968,592	n/a	\$81,564,315	\$105,293,269	\$186,857,584	\$81,564,315	77.5%
General Service	134,344	317,056,821	1,234,532	\$50,744,944	\$58,576,141	\$109,321,085	\$50,744,944	86.6%
Outdoor Lighting	108,601	7,625,729	n/a	\$1,220,498	\$2,817,489	\$4,037,987	\$1,220,498	43.3%
Total	1,058,224	840,651,142		\$133,529,757	\$166,686,899	\$300,216,656	\$133,529,757	80.1%

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

(E) Difference in proposed rate and current rate, 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)

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts - September 1, 2022 vs. December 1, 2022**  
**Due to Changes in the Default Service Charge**  
**Impact on D Rate Customers**

<u>Average kWh</u>	<u>Total Bill Using Rates 9/1/2022</u>	<u>Total Bill Using Rates 12/1/2022</u>	<u>Total Difference</u>	<u>% Total Difference</u>
125	\$38.53	\$58.29	\$19.76	51.3%
150	\$42.99	\$66.70	\$23.71	55.2%
200	\$51.91	\$83.52	\$31.62	60.9%
250	\$60.83	\$100.35	\$39.52	65.0%
300	\$69.75	\$117.18	\$47.42	68.0%
350	\$78.67	\$134.00	\$55.33	70.3%
400	\$87.60	\$150.83	\$63.23	72.2%
450	\$96.52	\$167.65	\$71.14	73.7%
500	\$105.44	\$184.48	\$79.04	75.0%
525	\$109.90	\$192.89	\$82.99	75.5%
550	\$114.36	\$201.31	\$86.94	76.0%
575	\$118.82	\$209.72	\$90.90	76.5%
600	\$123.28	\$218.13	\$94.85	76.9%
625	\$127.75	\$226.55	\$98.80	77.3%
650	\$132.21	\$234.96	\$102.75	77.7%
675	\$136.67	\$243.37	\$106.70	78.1%
700	\$141.13	\$251.78	\$110.66	78.4%
725	\$145.59	\$260.20	\$114.61	78.7%
750	\$150.05	\$268.61	\$118.56	79.0%
775	\$154.51	\$277.02	\$122.51	79.3%
825	\$163.43	\$293.85	\$130.42	79.8%
925	\$181.28	\$327.50	\$146.22	80.7%
1,000	\$194.66	\$352.74	\$158.08	81.2%
1,250	\$239.27	\$436.87	\$197.60	82.6%
1,500	\$283.88	\$521.00	\$237.12	83.5%
2,000	\$373.10	\$689.26	\$316.16	84.7%
3,500	\$640.76	\$1,194.04	\$553.28	86.3%
5,000	\$908.42	\$1,698.82	\$790.40	87.0%

	<u>Rates - Effective September 1, 2022</u>	<u>Rates - Proposed December 1, 2022</u>	<u>Difference</u>
Customer Charge	\$16.22	\$16.22	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge:	\$0.04511	\$0.04511	\$0.00000
External Delivery Charge	\$0.02533	\$0.02533	\$0.00000
Stranded Cost Charge	\$0.00002	\$0.00002	\$0.00000
Storm Recovery Adjustment Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00681	\$0.00681	\$0.00000
Default Service Charge	<u>\$0.10117</u>	<u>\$0.25925</u>	<u>\$0.15808</u>
<b>TOTAL</b>	<b>\$0.17844</b>	<b>\$0.33652</b>	<b>\$0.15808</b>

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts - September 1, 2022 vs. December 1, 2022**  
**Due to Changes in the Default Service Charge**  
**Impact on G2 Rate Customers**

<b>Load Factor</b>	<b>Average Monthly kW</b>	<b>Average Monthly kWh</b>	<b>Total Bill Using Rates 9/1/2022</b>	<b>Total Bill Using Rates 12/1/2022</b>	<b>Total Difference</b>	<b>% Total Difference</b>
20%	5	730	\$180.62	\$297.45	\$116.84	64.7%
20%	10	1,460	\$332.05	\$565.72	\$233.67	70.4%
20%	15	2,190	\$483.47	\$833.98	\$350.51	72.5%
20%	25	3,650	\$786.33	\$1,370.51	\$584.18	74.3%
20%	50	7,300	\$1,543.47	\$2,711.83	\$1,168.37	75.7%
20%	75	10,950	\$2,300.61	\$4,053.15	\$1,752.55	76.2%
20%	100	14,600	\$3,057.75	\$5,394.48	\$2,336.73	76.4%
20%	150	21,900	\$4,572.02	\$8,077.12	\$3,505.10	76.7%
36%	5	1,314	\$254.12	\$464.43	\$210.31	82.8%
36%	10	2,628	\$479.05	\$899.66	\$420.61	87.8%
36%	15	3,942	\$703.98	\$1,334.90	\$630.92	89.6%
36%	25	6,570	\$1,153.84	\$2,205.37	\$1,051.53	91.1%
36%	50	13,140	\$2,278.49	\$4,381.55	\$2,103.06	92.3%
36%	75	19,710	\$3,403.14	\$6,557.73	\$3,154.59	92.7%
36%	100	26,280	\$4,527.79	\$8,733.90	\$4,206.11	92.9%
36%	150	39,420	\$6,777.09	\$13,086.26	\$6,309.17	93.1%
50%	5	1,825	\$318.43	\$610.53	\$292.09	91.7%
50%	10	3,650	\$607.68	\$1,191.86	\$584.18	96.1%
50%	15	5,475	\$896.92	\$1,773.20	\$876.27	97.7%
50%	25	9,125	\$1,475.41	\$2,935.87	\$1,460.46	99.0%
50%	50	18,250	\$2,921.64	\$5,842.55	\$2,920.91	100.0%
50%	75	27,375	\$4,367.86	\$8,749.23	\$4,381.37	100.3%
50%	100	36,500	\$5,814.08	\$11,655.91	\$5,841.83	100.5%
50%	150	54,750	\$8,706.53	\$17,469.26	\$8,762.74	100.6%

	<b>Rates - Effective September 1, 2022</b>	<b>Rates - Proposed December 1, 2022</b>	<b>Difference</b>
Customer Charge	<b>\$29.19</b>	<b>\$29.19</b>	<b>\$0.00</b>
Distribution Charge	<u>All kW</u> \$11.91	<u>All kW</u> \$11.91	<u>All kW</u> \$0.00
Stranded Cost Charge	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
<b>TOTAL</b>	<b>\$11.91</b>	<b>\$11.91</b>	<b>\$0.00</b>
Distribution Charge	<u>kWh</u> \$0.00000	<u>kWh</u> \$0.00000	<u>kWh</u> \$0.00000
External Delivery Charge	\$0.02533	\$0.02533	\$0.00000
Stranded Cost Charge	\$0.00002	\$0.00002	\$0.00000
Storm Recovery Adj. Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00681	\$0.00681	\$0.00000
Default Service Charge	<u>\$0.09370</u>	<u>\$0.25375</u>	<u>\$0.16005</u>
<b>TOTAL</b>	<b>\$0.12586</b>	<b>\$0.28591</b>	<b>\$0.16005</b>

<b>Unitil Energy Systems, Inc.</b> <b>Typical Bill Impacts - September 1, 2022 vs. December 1, 2022</b> <b>Due to Changes in the Default Service Charge</b> <b>Impact on G2 kWh Meter Rate Customers</b>				
<b>Average Monthly kWh</b>	<b>Total Bill Using Rates 9/1/2022</b>	<b>Total Bill Using Rates 12/1/2022</b>	<b>Total Difference</b>	<b>% Total Difference</b>
15	\$20.71	\$23.11	\$2.40	11.6%
75	\$30.02	\$42.02	\$12.00	40.0%
150	\$41.66	\$65.67	\$24.01	57.6%
250	\$57.18	\$97.19	\$40.01	70.0%
350	\$72.70	\$128.71	\$56.02	77.1%
450	\$88.22	\$160.24	\$72.02	81.6%
550	\$103.73	\$191.76	\$88.03	84.9%
650	\$119.25	\$223.29	\$104.03	87.2%
750	\$134.77	\$254.81	\$120.04	89.1%
900	\$158.05	\$302.10	\$144.05	91.1%
	<b>Rates - Effective September 1, 2022</b>	<b>Rates - Proposed December 1, 2022</b>	<b>Difference</b>	
kWh Meter Customer Charge	<b>\$18.38</b>	<b>\$18.38</b>	<b>\$0.00</b>	
	<b>All kWh</b>	<b>All kWh</b>	<b>All kWh</b>	
Distribution Charge	\$0.02933	\$0.02933	\$0.00000	
External Delivery Charge	\$0.02533	\$0.02533	\$0.00000	
Stranded Cost Charge	\$0.00002	\$0.00002	\$0.00000	
Storm Recovery Adjustment Factor	\$0.00000	\$0.00000	\$0.00000	
System Benefits Charge	\$0.00681	\$0.00681	\$0.00000	
Default Service Charge	<u>\$0.09370</u>	<u>\$0.25375</u>	<u>\$0.16005</u>	
<b>TOTAL</b>	<b>\$0.15519</b>	<b>\$0.31524</b>	<b>\$0.16005</b>	

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts - September 1, 2022 vs. December 1, 2022**  
**Due to Changes in the Default Service Charge**  
**Impact on G2 QRWH and SH Rate Customers**

<u>Average kWh</u>	<u>Total Bill Using Rates 9/1/2022</u>	<u>Total Bill Using Rates 12/1/2022</u>	<u>Total Difference</u>	<u>% Total Difference</u>
100	\$25.92	\$41.92	\$16.01	61.8%
200	\$42.10	\$74.11	\$32.01	76.0%
300	\$58.29	\$106.30	\$48.02	82.4%
400	\$74.47	\$138.49	\$64.02	86.0%
500	\$90.66	\$170.68	\$80.03	88.3%
750	\$131.12	\$251.16	\$120.04	91.5%
1,000	\$171.58	\$331.63	\$160.05	93.3%
1,500	\$252.51	\$492.58	\$240.08	95.1%
2,000	\$333.43	\$653.53	\$320.10	96.0%
2,500	\$414.36	\$814.48	\$400.13	96.6%

	<u>Rates - Effective September 1, 2022</u>	<u>Rates - Proposed December 1, 2022</u>	<u>Difference</u>
Customer Charge	<b>\$9.73</b>	<b>\$9.73</b>	<b>\$0.00</b>
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.03599	\$0.03599	\$0.00000
External Delivery Charge	\$0.02533	\$0.02533	\$0.00000
Stranded Cost Charge	\$0.00002	\$0.00002	\$0.00000
Storm Recovery Adjustment Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00681	\$0.00681	\$0.00000
Default Service Charge	<u>\$0.09370</u>	<u>\$0.25375</u>	<u>\$0.16005</u>
<b>TOTAL</b>	<b><u>\$0.16185</u></b>	<b><u>\$0.32190</u></b>	<b><u>\$0.16005</u></b>

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts - September 1, 2022 vs. December 1, 2022**  
**Due to Changes in the Default Service Charge**  
**Impact on OL Rate Customers \***

	Nominal Watts	Lumens	Type	Average Monthly kWh	Total Bill Using Rates 9/1/2022	Total Bill Using Rates 12/1/2022	Total Difference	% Total Difference
<u>Mercury Vapor:</u>								
1	100	3,500	ST	43	\$19.14	\$26.02	\$6.88	36.0%
2	175	7,000	ST	71	\$24.67	\$36.03	\$11.36	46.1%
3	250	11,000	ST	100	\$29.84	\$45.84	\$16.01	53.6%
4	400	20,000	ST	157	\$37.01	\$62.14	\$25.13	67.9%
5	1,000	60,000	ST	372	\$71.60	\$131.14	\$59.54	83.2%
6	250	11,000	FL	100	\$30.84	\$46.84	\$16.01	51.9%
7	400	20,000	FL	157	\$41.33	\$66.46	\$25.13	60.8%
8	1,000	60,000	FL	380	\$73.12	\$133.94	\$60.82	83.2%
9	100	3,500	PB	48	\$19.48	\$27.16	\$7.68	39.4%
10	175	7,000	PB	71	\$23.59	\$34.95	\$11.36	48.2%
<u>High Pressure Sodium:</u>								
11	50	4,000	ST	23	\$16.62	\$20.31	\$3.68	22.1%
12	100	9,500	ST	48	\$21.77	\$29.45	\$7.68	35.3%
13	150	16,000	ST	65	\$25.43	\$35.83	\$10.40	40.9%
14	250	30,000	ST	102	\$32.37	\$48.69	\$16.33	50.4%
15	400	50,000	ST	161	\$45.04	\$70.81	\$25.77	57.2%
16	1,000	140,000	ST	380	\$90.34	\$151.16	\$60.82	67.3%
17	150	16,000	FL	65	\$26.43	\$36.83	\$10.40	39.4%
18	250	30,000	FL	102	\$34.41	\$50.73	\$16.33	47.4%
19	400	50,000	FL	161	\$45.55	\$71.32	\$25.77	56.6%
20	1,000	140,000	FL	380	\$90.72	\$151.54	\$60.82	67.0%
21	50	4,000	PB	23	\$16.33	\$20.02	\$3.68	22.5%
22	100	9,500	PB	48	\$20.69	\$28.37	\$7.68	37.1%
<u>Metal Halide:</u>								
23	175	8,800	ST	74	\$26.56	\$38.41	\$11.84	44.6%
24	1,000	86,000	FL	374	\$72.36	\$132.22	\$59.86	82.7%
<u>LED</u>								
25	35	3,000	AL	12	\$14.95	\$16.87	\$1.92	12.8%
26	47	4,000	AL	16	\$16.66	\$19.22	\$2.56	15.4%
27	30	3,300	ST	10	\$14.99	\$16.59	\$1.60	10.7%
28	50	5,000	ST	17	\$17.87	\$20.59	\$2.72	15.2%
29	100	11,000	ST	35	\$21.66	\$27.26	\$5.60	25.9%
30	120	18,000	ST	42	\$24.82	\$31.54	\$6.72	27.1%
31	140	18,000	ST	48	\$30.82	\$38.50	\$7.68	24.9%
32	260	31,000	ST	90	\$53.84	\$68.24	\$14.40	26.8%
33	70	10,000	FL	24	\$21.27	\$25.11	\$3.84	18.1%
34	90	10,000	FL	31	\$25.47	\$30.43	\$4.96	19.5%
35	110	15,000	FL	38	\$30.07	\$36.15	\$6.08	20.2%
36	370	46,000	FL	128	\$59.00	\$79.49	\$20.49	34.7%

**Luminaire Charges For Year Round Service:**

Rates - Effective September 1, 2022	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	26 \$14.65
	<u>All kWh</u>	3 \$17.25	13 \$17.25		27 \$13.73
Distribution Charge	\$0.00000	4 \$17.25	14 \$19.53		28 \$15.73
External Delivery Charge	\$0.02533	5 \$24.78	15 \$24.78		29 \$17.25
Stranded Cost Charge	\$0.00002	6 \$18.25	16 \$42.51		30 \$19.53
Storm Recovery Adj. Factor	\$0.00000	7 \$21.57	17 \$18.25		31 \$24.78
System Benefits Charge	\$0.00681	8 \$25.29	18 \$21.57		32 \$42.51
Default Service Charge	<u>\$0.09370</u>	9 \$13.44	19 \$25.29		33 \$18.25
<b>TOTAL</b>	<b>\$0.12586</b>	10 \$14.65	20 \$42.89		34 \$21.57
			21 \$13.44		35 \$25.29
			22 \$14.65		36 \$42.89

Rates - Proposed December 1, 2022	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	26 \$14.65
	<u>All kWh</u>	3 \$17.25	13 \$17.25		27 \$13.73
Distribution Charge	\$0.00000	4 \$17.25	14 \$19.53		28 \$15.73
External Delivery Charge	\$0.02533	5 \$24.78	15 \$24.78		29 \$17.25
Stranded Cost Charge	\$0.00002	6 \$18.25	16 \$42.51		30 \$19.53
Storm Recovery Adj. Factor	\$0.00000	7 \$21.57	17 \$18.25		31 \$24.78
System Benefits Charge	\$0.00681	8 \$25.29	18 \$21.57		32 \$42.51
Default Service Charge	<u>\$0.25375</u>	9 \$13.44	19 \$25.29		33 \$18.25
<b>TOTAL</b>	<b>\$0.28591</b>	10 \$14.65	20 \$42.89		34 \$21.57
			21 \$13.44		35 \$25.29
			22 \$14.65		36 \$42.89

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	26 \$0.00
	<u>All kWh</u>	3 \$0.00	13 \$0.00		27 \$0.00
Distribution Charge	\$0.00000	4 \$0.00	14 \$0.00		28 \$0.00
External Delivery Charge	\$0.00000	5 \$0.00	15 \$0.00		29 \$0.00
Stranded Cost Charge	\$0.00000	6 \$0.00	16 \$0.00		30 \$0.00
Storm Recovery Adj. Factor	\$0.00000	7 \$0.00	17 \$0.00		31 \$0.00
System Benefits Charge	\$0.00000	8 \$0.00	18 \$0.00		32 \$0.00
Default Service Charge	<u>\$0.16005</u>	9 \$0.00	19 \$0.00		33 \$0.00
<b>TOTAL</b>	<b>\$0.16005</b>	10 \$0.00	20 \$0.00		34 \$0.00
			21 \$0.00		35 \$0.00
			22 \$0.00		36 \$0.00

\* Luminaire charges based on All-Night Service option.

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts - September 1, 2022 vs. December 1, 2022**  
**Due to Changes in the Default Service Charge**  
**Impact on Tariffed Customer Supplied LED Rate Customers**

	<b>Nominal Watts</b>	<b>Lumens</b>	<b>Type</b>	<b>Current Average Monthly kWh</b>	<b>Percentage of Lights</b>	<b>Total Bill Using Rates 9/1/2022</b>	<b>Total Bill Using Rates 12/1/2022</b>	<b>Total Difference</b>	<b>% Total Difference</b>
	<u>CS LED</u>								
1	35	3,000	AL	12	0.0%	\$8.51	\$10.43	\$1.92	22.6%
2	47	4,000	AL	16	0.0%	\$10.22	\$12.78	\$2.56	25.0%
3	30	3,300	ST	10	0.0%	\$10.97	\$12.57	\$1.60	14.6%
4	50	5,000	ST	17	0.0%	\$14.06	\$16.78	\$2.72	19.4%
5	100	11,000	ST	35	0.0%	\$16.89	\$22.49	\$5.60	33.2%
6	120	18,000	ST	42	0.0%	\$20.05	\$26.77	\$6.72	33.5%
7	140	18,000	ST	48	0.0%	\$23.87	\$31.55	\$7.68	32.2%
8	260	31,000	ST	90	0.0%	\$44.89	\$59.29	\$14.40	32.1%
9	70	10,000	FL	24	0.0%	\$14.26	\$18.10	\$3.84	26.9%
10	90	10,000	FL	31	0.0%	\$18.46	\$23.42	\$4.96	26.9%
11	110	15,000	FL	38	0.0%	\$22.14	\$28.22	\$6.08	27.5%
12	370	46,000	FL	128	0.0%	\$43.11	\$63.60	\$20.49	47.5%

**Rates - Effective September 1, 2022**

**Rates - Proposed December 1, 2022**

**Difference**

Customer Charge	<b>\$0.00</b>	Customer Charge	<b>\$0.00</b>	Customer Charge	<b>\$0.00</b>
	<u>All kWh</u>		<u>All kWh</u>		
Distribution Charge	\$0.00000	Distribution Charge	\$0.00000	Distribution Charge	\$0.00000
External Delivery Charge	\$0.02533	External Delivery Charge	\$0.02533	External Delivery Charge	\$0.00000
Stranded Cost Charge	\$0.00002	Stranded Cost Charge	\$0.00002	Stranded Cost Charge	\$0.00000
Storm Recovery Adj. Factor	\$0.00000	Storm Recovery Adj. Factor	\$0.00000	Storm Recovery Adj. Factor	\$0.00000
System Benefits Charge	\$0.00681	System Benefits Charge	\$0.00681	System Benefits Charge	\$0.00000
Fixed Default Service Charge	<u>\$0.09370</u>	Fixed Default Service Charge	<u>\$0.25375</u>	Fixed Default Service Charge	<u>\$0.16005</u>
<b>TOTAL</b>	<b>\$0.12586</b>	<b>TOTAL</b>	<b>\$0.28591</b>	<b>TOTAL</b>	<b>\$0.16005</b>

**Luminaire Charges:**

**Luminaire Charges:**

**Luminaire Charges:**

	<u>CS LED Rate/Mo.</u>		<u>CS LED Rate/Mo.</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.**  
**Typical Bill Impacts by Rate Component**

**Residential Rate D 650 kWh Bill**

<u>Rate Components</u>	12/1/2021	12/1/2022	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	%
	<u>Prior Rate</u>	<u>As Revised</u>					<u>Difference to Total Bill</u>
Customer Charge	\$16.22	\$16.22	\$0.00	\$16.22	\$16.22	\$0.00	0.0%
	<b><u>\$/kWh</u></b>	<b><u>\$/kWh</u></b>					
Distribution Charge	\$0.03942	\$0.04511	\$0.00569	\$25.62	\$29.32	\$3.70	2.1%
External Delivery Charge	\$0.02978	\$0.02533	(\$0.00445)	\$19.36	\$16.46	(\$2.89)	(1.6%)
Stranded Cost Charge	(\$0.00002)	\$0.00002	\$0.00004	(\$0.01)	\$0.01	\$0.03	0.0%
Storm Recovery Adj.	\$0.00047	\$0.00000	(\$0.00047)	\$0.31	\$0.00	(\$0.31)	(0.2%)
System Benefits Charge	\$0.00752	\$0.00681	(\$0.00071)	\$4.89	\$4.43	(\$0.46)	(0.3%)
Default Service Charge	<u>\$0.17518</u>	<u>\$0.25925</u>	<u>\$0.08407</u>	<u>\$113.87</u>	<u>\$168.51</u>	<u>\$54.65</u>	<u>30.3%</u>
Total kWh Charges	\$0.25235	\$0.33652	\$0.08417				
Total Bill				\$180.25	\$234.96	\$54.71	30.4%

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

<u>Rate Components</u>	12/1/2021	12/1/2022	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	%
	<u>Prior Rate</u>	<u>As Revised</u>					<u>Difference to Total Bill</u>
Customer Charge	\$29.19	\$29.19	\$0.00	\$29.19	\$29.19	\$0.00	0.0%
	<b><u>All kW</u></b>	<b><u>All kW</u></b>					
Distribution Charge	\$10.51	\$11.91	\$1.40	\$115.61	\$131.01	\$15.40	2.2%
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>
Total kW Charges	\$10.51	\$11.91	\$1.40	\$115.61	\$131.01	\$15.40	2.2%
	<b><u>\$/kWh</u></b>	<b><u>\$/kWh</u></b>					
Distribution Charge	\$0.00384	\$0.00000	(\$0.00384)	\$10.75	\$0.00	(\$10.75)	(1.6%)
External Delivery Charge	\$0.02978	\$0.02533	(\$0.00445)	\$83.38	\$70.92	(\$12.46)	(1.8%)
Stranded Cost Charge	(\$0.00002)	\$0.00002	\$0.00004	(\$0.06)	\$0.06	\$0.11	0.0%
Storm Recovery Adj.	\$0.00047	\$0.00000	(\$0.00047)	\$1.32	\$0.00	(\$1.32)	(0.2%)
System Benefits Charge	\$0.00752	\$0.00681	(\$0.00071)	\$21.06	\$19.07	(\$1.99)	(0.3%)
Default Service Charge	<u>\$0.15381</u>	<u>\$0.25375</u>	<u>\$0.09994</u>	<u>\$430.67</u>	<u>\$710.50</u>	<u>\$279.83</u>	<u>40.4%</u>
Total kWh Charges	\$0.19540	\$0.28591	\$0.09051	\$547.12	\$800.55	\$253.43	36.6%
Total Bill				\$691.92	\$960.75	\$268.83	38.9%

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

<b>Regular General G2 Quick Recovery Water Heating and Space Heating 1,660 kWh Typical Bill</b>							
	12/1/2021	12/1/2022					%
<u>Rate Components</u>	<u>Prior Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$9.73	\$9.73	\$0.00	\$9.73	\$9.73	\$0.00	0.0%
	<b><u>\$/kWh</u></b>	<b><u>\$/kWh</u></b>					
Distribution Charge	\$0.03588	\$0.03599	\$0.00011	\$59.56	\$59.74	\$0.18	0.0%
External Delivery Charge	\$0.02978	\$0.02533	(\$0.00445)	\$49.43	\$42.05	(\$7.39)	(1.9%)
Stranded Cost Charge	(\$0.00002)	\$0.00002	\$0.00004	(\$0.03)	\$0.03	\$0.07	0.0%
Storm Recovery Adj.	\$0.00047	\$0.00000	(\$0.00047)	\$0.78	\$0.00	(\$0.78)	(0.2%)
System Benefits Charge	\$0.00752	\$0.00681	(\$0.00071)	\$12.48	\$11.30	(\$1.18)	(0.3%)
Default Service Charge	<u>\$0.15381</u>	<u>\$0.25375</u>	<u>\$0.09994</u>	<u>\$255.32</u>	<u>\$421.23</u>	<u>\$165.90</u>	<u>42.8%</u>
Total kWh Charges	\$0.22744	\$0.32190	\$0.09446	\$377.55	\$534.35	\$156.80	40.5%
Total Bill				\$387.28	\$544.08	\$156.80	40.5%

<b>Regular General G2 kWh Meter 115 kWh Typical Bill</b>							
	12/1/2021	12/1/2022					%
<u>Rate Components</u>	<u>Prior Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill</u>	<u>As Revised Bill</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$18.38	\$18.38	\$0.00	\$18.38	\$18.38	\$0.00	0.0%
	<b><u>\$/kWh</u></b>	<b><u>\$/kWh</u></b>					
Distribution Charge	\$0.01267	\$0.02933	\$0.01666	\$1.46	\$3.37	\$1.92	4.6%
External Delivery Charge	\$0.02978	\$0.02533	(\$0.00445)	\$3.42	\$2.91	(\$0.51)	(1.2%)
Stranded Cost Charge	(\$0.00002)	\$0.00002	\$0.00004	(\$0.00)	\$0.00	\$0.00	0.0%
Storm Recovery Adj.	\$0.00047	\$0.00000	(\$0.00047)	\$0.05	\$0.00	(\$0.05)	(0.1%)
System Benefits Charge	\$0.00752	\$0.00681	(\$0.00071)	\$0.86	\$0.78	(\$0.08)	(0.2%)
Default Service Charge	<u>\$0.15381</u>	<u>\$0.25375</u>	<u>\$0.09994</u>	<u>\$17.69</u>	<u>\$29.18</u>	<u>\$11.49</u>	<u>27.5%</u>
Total kWh Charges	\$0.20423	\$0.31524	\$0.11101	\$23.49	\$36.25	\$12.77	30.5%
Total Bill				\$41.87	\$54.63	\$12.77	30.5%