



June 9, 2022

Daniel Goldner, Chairman
New Hampshire Public Utilities Commission
21 S. Fruit Street, Suite 10
Concord, NH 03301-2429

RE: DE 22-026: Amendment to Step Adjustment Filing (Puc 203.10)

Dear Chairman Goldner:

In connection with the above-referenced matter I attach for filing with the Commission Unitil Energy Systems, Inc.'s amended Step Adjustment filing. Puc 203.10 permits amendments to documents filed with the Commission provided that notice of the request to amend is provided to all persons on the service list and the amendment shall encourage the just resolution of the proceeding and will not cause undue delay. The Company has conferred with the DOE, which agrees with and assents to the amendment.

On February 28, 2022, in Docket 21-030, Unitil Energy Systems, Inc. ("Unitil" or the "Company") filed a petition, testimony, and accompanying documentation in support of the Company's request for a Step Adjustment effective June 1, 2022, consistent with the terms of the Settlement Agreement. The Commission subsequently opened a separate docket to adjudicate this matter, DE 22-026.

On May 13, 2022, the Company submitted updated schedules to reflect a clarification to the Company's approved revenue requirement in DE 21-030. Also on May 13, 2022, the Commission issued an order directing the Company to file updated schedules to incorporate a revised 11-month collection period, no later than Wednesday, June 8, 2022. The Company filed updated schedules in compliance with the Commission's Order on June 6, 2022. The Company also submitted Hearing Exhibits on June 6, 2022.

On June 8, 2022, the Department of Energy (the "DOE") submitted comments on the Company's Step Adjustment filing as well as a series of Hearing Exhibits. With respect to 2021 costs related to the Company's Exeter Distribution Operations Center ("DOC"), the DOE's comments indicated an intent to "re-state its arguments for rate recovery exclusion that were laid out [in] the base rate case" including issues of prudence related to the entire DOC. The DOE also submitted, as Hearing Exhibit 4, the testimony of Jay E. Dudley from DE 21-030.

Patrick Taylor
Chief Regulatory Counsel
taylorp@unitil.com

6 Liberty Lane West
Hampton, NH 03842

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The Company, understanding these matters to have been settled in DE 21-030, promptly contacted the DOE to discuss its concerns about the DOC as expressed in the DOE's comments, as well as the Company's concerns about including Mr. Dudley's testimony from the prior settled docket as an Exhibit in this case. Simply, the Company has no meaningful opportunity to rebut or otherwise respond to that testimony in this proceeding. In any event, the parties resolved issues related to the DOC by way of compromise in the DE 21-030 matter.

In recognition of the DOE's concerns about the DOC costs, the Company has agreed to amend its Step Adjustment filing to exclude all costs associated with the DOC. The Company will not seek recovery of 2021 and 2022 costs associated with the DOC construction project in the 2022 or 2023 step adjustment proceedings, and will endeavor to work with the DOE to address such costs in advance of Unitil's next base rate case. It is the Company's understanding that the DOE will withdraw Hearing Exhibit 4 as it is currently filed.

As noted above, the Company conferred with the DOE, the only other party with an appearance in this docket, regarding the above-described amendment. This amended filing is being provided to the service list as it is published on the Commission website. This amendment will encourage the just resolution of the proceeding and will not cause undue delay because it will limit the number of issues to be addressed at hearing and afford the parties additional time to discuss 2021 costs associated with the DOC.

Enclosed with this letter are the Company's revised schedules reflecting the amendment described above. The Company will submit these attachments separately as Hearing Exhibits to the Clerk in advance of the hearing in this matter.

Please do not hesitate to contact me should you have any questions regarding this updated filing.

Sincerely,



Patrick H. Taylor
Attorney for Unitil Energy Systems, Inc.

cc: Service List (by e-mail)

000002

Unitil Energy Systems, Inc. 2022 Step Adjustment							
Line No.	Rate Effective Date Description	6/1/2022 AS FILED Total Investment Year 2021	Total Investment Year 2021	Growth Investment Year 2021	Non-Growth Investment Year 2021	Growth Source	Non-Growth Source
		(a)	(b)	(c)	(d)	(e)	(f)
1	Beginning Utility Plant ⁽¹⁾	\$ 407,914,123	\$ 407,914,123				
2	Plant Additions ⁽²⁾	22,889,867	22,267,917	5,709,229	16,558,688	Revised Sch CGKS-1, Line 202	Revised Sch CGKS-1 ⁽²⁾ , Line 203
3	Retirements	(5,157,729)	(5,157,729)	(1,254,811)	(3,902,918)	Total x Revised Sch CGKS-1, Line 206	Total x Revised Sch CGKS-1, Line 207
4	Ending Utility Plant	425,646,261	425,024,311	4,454,418	12,655,770		
5	Beginning Accumulated Depreciation ⁽³⁾	138,059,087	138,059,087				
6	Depreciation Expense	15,309,001	15,309,001	3,724,488	11,584,514	Total x Revised Sch CGKS-1, Line 206	Total x Revised Sch CGKS-1, Line 207
7	Retirements	(5,157,729)	(5,157,729)	(1,254,811)	(3,902,918)	Total x Revised Sch CGKS-1, Line 206	Total x Revised Sch CGKS-1, Line 207
8	Cost of Removal, Salvage and Transfers	(2,567,208)	(2,567,208)	(343,445)	(2,223,762)	Revised Sch CGKS-1, Line 202	Revised Sch CGKS-1, Line 203
9	Ending Accumulated Depreciation	145,643,152	145,643,152	2,126,231	5,457,834		
10	Ending Net Utility Plant	280,003,109	279,381,159	2,328,186	7,197,936		
11	Change in Net Plant	10,148,073	9,526,123	2,328,186	7,197,936		
12	Non-Growth % Change in Net Plant ⁽⁴⁾	76%	n/a	n/a	n/a		
13	Change in Net Plant	7,679,174	9,526,123	2,328,186	7,197,936		
14	Pre-Tax Rate of Return	9.19%	9.19%	9.19%	9.19%		
15	Return and Taxes	705,638	875,354	213,937	661,417		
16	Depreciation Expense on Non-Growth Plant Additions at ⁽⁵⁾	3.35% 580,496	746,285	191,339	554,947		
17	Property Taxes on Non-Growth Change in Net Plant at ⁽⁶⁾	0.66% 50,683	62,872	15,366	47,506		
18	Amortization on Post-Test-Year Projects	39,969	39,969	-	39,969		
19	Revenue Requirement Increase	\$ 1,376,786	\$ 1,724,481	\$ 420,641	\$ 1,303,839		
20	Step 1 Revenue Requirement Capped Amount				1,377,331		
21	Step 1 Revenue Increase Allowed (If Line 19 > Line 20, Line 20 otherwise Line 19)				<u>\$ 1,303,839</u>		

Notes:

- (1) Beginning utility plant corresponds to Schedule RevReq-4, Column 5, Line 1
(2) Excludes \$577,144 of post-test year adjustments included in DE 21-030 Schedule RevReq-4-4 as well as \$621,950 of additions closed to plant in service after 2/28/2021
(3) Beginning accumulated depreciation corresponds to Schedule RevReq-4, Column 5, Line 2
(4) Refer to Schedule CGKS-1
(5) Refer to DE 21-030 Settlement Attachment 1, Schedule RevReq 3-16 P2 Revised, Col 8, Line 36
(6) Property Taxes shall include State utility property taxes for all Non-Growth Plant Additions, calculated using the statutory tax rate in RSA 83-F:2, currently \$6.60 per \$1,000 of investment. Local property taxes shall not be included in the calculation and will be recovered through the Company's External Delivery Charge

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2021 Gross Plant Detail

Description	Beginning Balance	Additions	Retirements	Ending Balance
301-00 Organization-E	380	-	-	380
303-00 Intangible Software-5 Yea-E	6,638,391	876,965	-	7,515,356
303-01 Intangible Software-3 Yea-E	87,196	-	-	87,196
303-02 Intangible Software-10 Yea-E	5,489,896	-	-	5,489,896
303-03 Intangible Software-CIS	9,701,357	-	-	9,701,357
343-00 Prime Movers-E	56,575	-	(41,048)	15,527
353-00 Transmission Station Equi-E	-	-	-	-
360-01 ROW - Distribution-E	1,002,660	1	-	1,002,661
360-02 ROW - Distribution-E	1,674,812	-	-	1,674,812
361-00 Distribution Structures-E	2,173,616	26,154	-	2,199,770
362-00 Distribution Station Equi-E	50,412,132	852,146	(35,132)	51,229,145
364-00 Distribution Poles, Tower-E	75,140,861	5,238,646	(562,099)	79,817,407
365-00 Distribution Overhead Con-E	92,313,723	6,687,321	(1,289,546)	97,711,498
366-00 Distribution Underground -E	2,587,958	237,392	(21,241)	2,804,109
367-00 Distribution Underground -E	23,862,963	972,466	(156,720)	24,678,709
368-00 Distribution Line Transfo-E	29,259,308	1,368,531	(809,951)	29,817,888
368-01 Transformer Installations-E	25,947,042	1,945,878	(566,298)	27,326,623
369-00 Distribution Services-E	25,642,632	1,551,537	(286,759)	26,907,411
370-00 Distribution Meters-E	11,764,062	416,418	(640,874)	11,539,606
370-01 Meter Installation-E	7,165,765	174,016	(339,097)	7,000,684
371-00 Installations on Customer-E	2,404,367	202,354	(327,597)	2,279,124
373-00 Street Lights & Signal Sy-E	3,580,954	64,674	(72,705)	3,572,923
373-01 Street Lights & Signal Sy-E	-	-	-	-
389-00 General & Misc. Land-E	1,363,295	-	-	1,363,295
390-00 Structures-E	19,114,262	1,125,835	-	20,240,097
390-01 General & Misc. Structure-E	-	-	-	-
391-01 Office Furniture & Fixtur-E	1,289,877	128,914	-	1,418,790
391-03 Computer Equipment-E	-	-	-	-
392-00 Transportation Equipment-E	1,073,517	-	(8,661)	1,064,856
393-00 Stores Equipment-E	90,657	11,433	-	102,089
394-00 Tools, Shop and garage Eq-E	2,429,892	245,043	-	2,674,935
395-00 Laboratory Equipment-E	948,530	19,156	-	967,686
397-00 Communication Equipment-E	5,005,568	1,322,131	-	6,327,699
398-00 Miscellaneous Equipment-E	102,943	-	-	102,943
399-00 Other Intangible Plant-E	-	-	-	-
Grand Total	408,325,192	23,467,010	(5,157,729)	426,634,474

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2021 Accumulated Depreciation Detail

Description	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers	Ending Balance
301-00 Organization	-	-	-	-	-	-	-
303-00 Intangible Software-5 Year	4,743,991	522,869	-	-	-	-	5,266,860
303-01 Intangible Software-3 Year	87,196	-	-	-	-	-	87,196
303-02 Intangible Software-10 Year	2,700,885	548,255	-	-	-	-	3,249,140
303-03 Intangible Software-CIS	1,014,448	512,318	-	-	-	-	1,526,766
343-00 Prime Movers	36,796	2,176	(41,048)	-	-	-	(2,076)
350-01 ROW - Transmission	-	-	-	-	-	-	-
350-02 ROW - Transmission	-	-	-	-	-	-	-
352-00 Transmission Structures	-	-	-	-	-	-	-
353-00 Transmission Station Equipme	-	-	-	-	-	-	-
354-00 Transmission Towers & Fixtur	-	-	-	-	-	-	-
355-00 Transmission Poles & Fixture	-	-	-	-	-	-	-
356-00 Transmission Overhead Conduc	-	-	-	-	-	-	-
360-01 ROW - Distribution	-	-	-	-	-	-	-
360-02 ROW - Distribution	-	-	-	-	-	-	-
361-00 Distribution Structures	306,159	53,307	-	-	-	-	359,466
362-00 Distribution Station Equipme	10,134,156	1,317,231	(35,132)	(61,889)	-	-	11,354,366
364-00 Distribution Poles, Towers &	27,977,083	2,839,158	(562,099)	(841,992)	4,115	-	29,416,264
365-00 Distribution Overhead Conduc	28,941,359	3,427,884	(1,289,546)	(1,007,117)	4,518	-	30,077,099
366-00 Distribution Underground Con	718,989	53,656	(21,241)	(3,603)	1	-	747,802
367-00 Distribution Underground Con	7,132,135	617,756	(156,720)	(75,813)	218	-	7,517,575
368-00 Distribution Line Transforme	11,295,662	869,481	(809,951)	(157,989)	-	-	11,197,204
368-01 Transformer Installations	6,633,459	746,078	(566,298)	(33,469)	43	-	6,779,812
368-02 Transformers Installations	-	-	-	-	-	-	-
369-00 Distribution Services	18,333,473	1,469,883	(286,759)	(175,792)	708	-	19,341,513
370-00 Distribution Meters	5,127,986	565,956	(640,874)	(180,214)	-	-	4,872,855
370-01 Meter Installation	1,512,910	340,805	(339,097)	(11,653)	-	-	1,502,965
370-02 Meter Installations	-	-	-	-	-	-	-
371-00 Installations on Customers P	539,998	177,371	(327,597)	(30,044)	25,397	-	385,126
373-00 Street Lights & Signal Syste	3,017,725	278,347	(72,705)	(35,748)	12,465	-	3,200,085
373-01 Street Lights & Signal Syste	-	-	-	-	-	-	-
389-00 General & Misc. Land	-	-	-	-	-	-	-
390-00 Structures	1,878,592	416,810	-	-	-	863	2,296,265
390-01 General & Misc. Structures	863	-	-	-	-	(863)	-
391-01 Office Furniture & Fixtures	(56,091)	80,752	-	-	-	-	24,661
391-03 Computer Equipment	4,346	-	-	-	-	-	4,346
392-00 Transportation Equipment	1,044,967	-	(8,661)	-	650	-	1,036,956
393-00 Stores Equipment	66,182	3,270	-	-	-	-	69,451
394-00 Tools, Shop and garage Equip	986,082	90,633	-	-	-	-	1,076,714
395-00 Laboratory Equipment	499,182	37,175	-	-	-	-	536,358
397-00 Communication Equipment	3,277,612	337,829	-	-	-	-	3,615,441
398-00 Miscellaneous Equipment	102,943	-	-	-	-	-	102,943
399-00 Other Tangible Property	-	-	-	-	-	-	-
Grand Total	138,059,087	15,309,001	(5,157,729)	(2,615,322)	48,115	-	145,643,152

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Unitil Energy Systems, Inc.
Pre-Tax Rate Of Return

	(1)	(2)	(3)	(4)	(5)	(6)
LINE NO.	Description	Weight	Cost of Capital	Weighted Cost of Capital	Tax Factor⁽¹⁾	Pre-Tax Cost
1	Common Stock Equity	52.00%	9.20%	4.78%	1.3699	6.55%
2	Preferred Stock Equity	0.00%	6.00%	0.00%		0.00%
3	Long Term Debt	48.00%	5.49%	2.64%		2.64%
4	Short Term Debt	0.00%	1.68%	0.00%		0.00%
5	Total	100.00%		7.42%		9.19%

Notes:

(1) 21% Federal Tax Rate and 7.6% NH State Tax Rate

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Unitil Energy Systems, Inc.
Unitil Service Corp ("USC") Post-Test-Year Projects Amortization Expense

Line No.	Description	Total Project Cost	Annual Amortization Expense
1	SOX Modernization	75,517	\$ 15,103
2	USC Time & Billing Upgrade/Replacement	625,663	125,133
3	2020 Flexi Upgrade	25,531	5,106
4	Total	726,711	145,342
5	UES Apportionment		27.50%
6	Total Billed to Unitil Energy Systems		39,969

UNITIL ENERGY SYSTEMS, INC.
2022 Step Adjustment Rate Design

Row	Description	Units	Test Year 2020	Permanent Rates, June 1, 2022		June	July to May		July to May	Step Adjustment, July 1, 2022		Restated Step Adjustment, June 1, 2023 ⁽¹⁾		Step Increase	11-Month Recovery Volumetric Percent	12-Month Recovery Volumetric
			Bill Units	Rate	Revenue	Bill Units	Bill Units	June 1 Rates	Revenues	Rate	Revenue	Rate	Revenue	Allocation	Increase	Percent Increase
			D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Domestic															
2	Customer Charge		815,280	\$16.22	\$ 13,223,834	68,499	746,780	\$16.22	\$ 12,112,779	\$16.22	\$ 12,112,779	\$16.22	\$ 13,223,834			
3	Energy Charge	kWh	515,968,592	\$ 0.04333	\$ 22,356,919	43,074,211	472,894,381	\$ 0.04333	\$ 20,490,514	\$ 0.04491	\$ 21,237,378	\$ 0.04478	\$ 23,103,783			
4	Subtotal: Domestic				\$ 35,580,753				\$ 32,603,293		\$ 33,350,157		\$ 36,327,617			
5	Total Schedule D				\$ 35,580,753				\$ 32,603,293		\$ 33,350,157		\$ 36,327,617	\$ 746,864	3.64%	3.34%
6	G2 - kWh									2.29%		2.10%				
7	Customer Charge		4,543	\$18.38	\$ 83,500	378	4,165	\$18.38	\$ 76,553	\$18.38	\$ 76,553	\$18.38	\$ 83,500			
8	Energy Charge	kWh	438,744	\$ 0.02404	\$ 10,547	32,502	406,242	\$0.02404	\$ 9,766	\$ 0.02890	\$ 11,740	\$ 0.02854	\$ 12,522			
9	Subtotal G2 kWh				\$ 94,048				\$ 86,319		\$ 88,293		\$ 96,022	\$ 1,974	20.21%	18.72%
10	G2 QR WH /SH															
11	Customer Charge		3,089	\$9.73	\$ 30,056	258	2,831	\$9.73	\$ 27,546	\$9.73	\$ 27,546	\$9.73	\$ 30,056			
12	Energy Charge	kWh	4,483,579	\$ 0.03500	\$ 156,925	216,185	4,267,394	\$0.03500	\$ 149,359	\$ 0.03592	\$ 153,284	\$ 0.03588	\$ 160,850			
13	Subtotal G2 QR WH/SH				\$ 186,981				\$ 176,904		\$ 180,829		\$ 190,906	\$ 3,925	2.63%	2.50%
14	G2 Demand															
15	Customer Charge		126,712	\$ 29.19	\$ 3,698,724	10,629	116,083	\$29.19	\$ 3,388,463	\$ 29.19	\$ 3,388,463	\$ 29.19	\$ 3,698,724			
16	Demand Charge	kW	1,234,532	\$ 11.54	\$ 14,246,502	106,029	1,128,504	\$11.54	\$ 13,022,933	\$ 11.87	\$ 13,399,228	\$ 11.84	\$ 14,622,797			
17	Transformer Ownership credit	kW	36,843	\$ (0.50)	\$ (18,421)	2,344	34,499	(\$0.50)	\$ (17,249)	\$ (0.50)	\$ (17,249)	\$ (0.50)	\$ (18,421)			
18	Energy Charge	kWh	312,134,498	\$ -	\$ -	25,493,967	286,640,531	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
19	Subtotal G2 Demand				\$ 17,926,804				\$ 16,394,147		\$ 16,770,442		\$ 18,303,100	\$ 376,296	2.89%	2.64%
20	Total G2				\$ 18,207,833				\$ 16,657,370		\$ 17,039,565		\$ 18,590,028	\$ 382,195	2.90%	2.65%
21	G1									2.29%		2.10%				
22	Customer Charge															
23	Secondary		1,615	\$ 162.18	\$ 261,921	135	1,480	\$162.18	\$ 240,026	\$ 162.18	\$ 240,026	\$ 162.18	\$ 261,921			
24	Primary		395	\$ 86.49	\$ 34,164	33	362	\$86.49	\$ 31,309	\$ 86.49	\$ 31,309	\$ 86.49	\$ 34,164			
25	Subtotal: Customer Charge				\$ 296,084				\$ 271,336		\$ 271,336		\$ 296,084			
26	Demand Charge	kVA	1,000,283	\$ 8.19	\$ 8,192,320	86,341	913,942	\$8.19	\$ 7,485,184	8.38	\$ 7,659,965	8.36	\$ 8,367,101			
27	Energy Charge	kWh	319,767,459	\$ -	\$ -	27,500,834	292,266,625	\$ -	\$ -	-	\$ -	-	\$ -			
28	Transformer Ownership credit	kVA	323,647	\$ (0.50)	\$ (161,824)	27,239	296,408	(\$0.50)	\$ (148,204)	(0.50)	\$ (148,204)	(0.50)	\$ (161,824)			
29	Total G1				\$ 8,326,581				\$ 7,608,316		\$ 7,783,096		\$ 8,501,361	\$ 174,781	2.34%	2.13%
30	OL									2.30%		2.10%				
31	100W Mercury Vapor Street		13,919	\$ 13.73	\$ 191,071			\$ 13.73		\$ 13.73		\$ 13.73	\$ 191,071			
32	175W Mercury Vapor Street		793	\$ 15.73	\$ 12,481			\$ 15.73		\$ 15.73		\$ 15.73	\$ 12,481			
33	250W Mercury Vapor Street		771	\$ 17.25	\$ 13,294			\$ 17.25		\$ 17.25		\$ 17.25	\$ 13,294			
34	400W Mercury Vapor Street		1,298	\$ 17.25	\$ 22,397			\$ 17.25		\$ 17.25		\$ 17.25	\$ 22,397			
35	1000W Mercury Vapor Street		24	\$ 24.78	\$ 595			\$ 24.78		\$ 24.78		\$ 24.78	\$ 595			
36	250W Mercury Vapor Flood		665	\$ 18.25	\$ 12,143			\$ 18.25		\$ 18.25		\$ 18.25	\$ 12,143			
37	400W Mercury Vapor Flood		901	\$ 21.57	\$ 19,445			\$ 21.57		\$ 21.57		\$ 21.57	\$ 19,445			
38	1000W Mercury Vapor Flood		144	\$ 25.29	\$ 3,641			\$ 25.29		\$ 25.29		\$ 25.29	\$ 3,641			
39	100W Mercury Vapor Power Bracket		3,894	\$ 13.44	\$ 52,339			\$ 13.44		\$ 13.44		\$ 13.44	\$ 52,339			
40	175W Mercury Vapor Power Bracket		557	\$ 14.65	\$ 8,154			\$ 14.65		\$ 14.65		\$ 14.65	\$ 8,154			
41	50W Sodium Vapor Street		35,908	\$ 13.73	\$ 492,933			\$ 13.73		\$ 13.73		\$ 13.73	\$ 492,933			
42	100W Sodium Vapor Street		1,309	\$ 15.73	\$ 20,604			\$ 15.73		\$ 15.73		\$ 15.73	\$ 20,604			
43	150W Sodium Vapor Street		3,906	\$ 17.25	\$ 67,402			\$ 17.25		\$ 17.25		\$ 17.25	\$ 67,402			
44	250W Sodium Vapor Street		12,893	\$ 19.53	\$ 251,813			\$ 19.53		\$ 19.53		\$ 19.53	\$ 251,813			
45	400W Sodium Vapor Street		2,711	\$ 24.78	\$ 67,195			\$ 24.78		\$ 24.78		\$ 24.78	\$ 67,195			
46	1000W Sodium Vapor Street		1,606	\$ 42.51	\$ 68,250			\$ 42.51		\$ 42.51		\$ 42.51	\$ 68,250			
47	150W Sodium Vapor Flood		2,690	\$ 18.25	\$ 49,114			\$ 18.25		\$ 18.25		\$ 18.25	\$ 49,114			
48	250W Sodium Vapor Flood		3,790	\$ 21.57	\$ 81,756			\$ 21.57		\$ 21.57		\$ 21.57	\$ 81,756			
49	400W Sodium Vapor Flood		4,857	\$ 25.29	\$ 122,818			\$ 25.29		\$ 25.29		\$ 25.29	\$ 122,818			
50	1000W Sodium Vapor Flood		2,467	\$ 42.89	\$ 105,791			\$ 42.89		\$ 42.89		\$ 42.89	\$ 105,791			

UNITIL ENERGY SYSTEMS, INC.
2022 Step Adjustment Rate Design

Row	Description	Units	Test Year 2020	Permanent Rates, June 1, 2022		June	July to May		July to May	Step Adjustment, July 1, 2022		Restated Step Adjustment, June 1, 2023 ⁽¹⁾		Step Increase	11-Month Recovery Volumetric Percent Increase	12-Month Recovery Volumetric Percent Increase
			Bill Units	Rate	Revenue	Bill Units	Bill Units	June 1 Rates	Revenues	Rate	Revenue	Rate	Revenue	Allocation		
			D	E	F	G	H	I	J	K	L	M	N	O	P	Q
51	50W Sodium Vapor Power Bracket		1,387	\$ 13.44	\$ 18,649			\$ 13.44		\$ 13.44		\$ 13.44	\$ 18,649			
52	100W Sodium Vapor Power Bracket		904	\$ 14.65	\$ 13,242			\$ 14.65		\$ 14.65		\$ 14.65	\$ 13,242			
53	175W Metal Halide Street		1	\$ 17.25	\$ 17			\$ 17.25		\$ 17.25		\$ 17.25	\$ 17			
54	250W Metal Halide Street		0	Discontinued								Discontinued				
55	400W Metal Halide Street		0	Discontinued								Discontinued				
56	175W Metal Halide Flood		0	Discontinued								Discontinued				
57	250W Metal Halide Flood		0	Discontinued								Discontinued				
58	400W Metal Halide Flood		0	Discontinued								Discontinued				
59	175W Metal Halide Power Bracket		0	Discontinued								Discontinued				
60	250W Metal Halide Power Bracket		0	Discontinued								Discontinued				
61	400W Metal Halide Power Bracket		0	Discontinued								Discontinued				
62	1000W Metal Halide Flood (Contracts)		535	\$ 25.29	\$ 13,516			\$ 25.29		\$ 25.29		\$ 25.29	\$ 13,516			
63	LED															
64	42W 3780 K LED Area Light Fixture		0	Discontinued								Discontinued				
65	57W 5130K LED Area Light Fixture		0	Discontinued								Discontinued				
66	25W 2500K LED Cobra Head Fixture		0	Discontinued								Discontinued				
67	88W 8800K LED Cobra Head Fixture		0	Discontinued								Discontinued				
68	108W 10800K LED Cobra Head Fixture		0	Discontinued								Discontinued				
69	193W 19300K LED Cobra Head Fixture		0	Discontinued								Discontinued				
70	123W 11070K LED Flood Light Fixture		0	Discontinued								Discontinued				
71	227W 20340K LED Flood Light Fixture		0	Discontinued								Discontinued				
72	365W 32850K LED Flood Light Fixture		0	Discontinued								Discontinued				
73	Company Paid LED Fixture															
74	STREETLIGHT LED 30W			\$ 13.73				\$ 13.73		\$ 13.73		\$ 13.73				
75	STREETLIGHT LED 50W			\$ 15.73				\$ 15.73		\$ 15.73		\$ 15.73				
76	STREETLIGHT LED 100W			\$ 17.25				\$ 17.25		\$ 17.25		\$ 17.25				
77	STREETLIGHT LED 120W			\$ 19.53				\$ 19.53		\$ 19.53		\$ 19.53				
78	STREETLIGHT LED 140W			\$ 24.78				\$ 24.78		\$ 24.78		\$ 24.78				
79	STREETLIGHT LED 260W			\$ 42.51				\$ 42.51		\$ 42.51		\$ 42.51				
80	YARDLIGHT LED 35W			\$ 13.44				\$ 13.44		\$ 13.44		\$ 13.44				
81	YARDLIGHT LED 47W			\$ 14.65				\$ 14.65		\$ 14.65		\$ 14.65				
82	FLOODLIGHT LED 70W			\$ 18.25				\$ 18.25		\$ 18.25		\$ 18.25				
83	FLOODLIGHT LED 90W			\$ 21.57				\$ 21.57		\$ 21.57		\$ 21.57				
84	FLOODLIGHT LED 110W			\$ 25.29				\$ 25.29		\$ 25.29		\$ 25.29				
85	FLOODLIGHT LED 370W			\$ 42.89				\$ 42.89		\$ 42.89		\$ 42.89				
86	Customer Paid LED Fixture															
87	STREETLIGHT LED 30W			\$ 9.71				\$ 9.71		\$ 9.71		\$ 9.71				
88	STREETLIGHT LED 50W			\$ 11.92				\$ 11.92		\$ 11.92		\$ 11.92				
89	STREETLIGHT LED 100W			\$ 12.48				\$ 12.48		\$ 12.48		\$ 12.48				
90	STREETLIGHT LED 120W			\$ 14.76				\$ 14.76		\$ 14.76		\$ 14.76				
91	STREETLIGHT LED 140W			\$ 17.83				\$ 17.83		\$ 17.83		\$ 17.83				
92	STREETLIGHT LED 260W			\$ 33.56				\$ 33.56		\$ 33.56		\$ 33.56				
93	YARDLIGHT LED 35W			\$ 7.00				\$ 7.00		\$ 7.00		\$ 7.00				
94	YARDLIGHT LED 47W			\$ 8.21				\$ 8.21		\$ 8.21		\$ 8.21				
95	FLOODLIGHT LED 70W			\$ 11.24				\$ 11.24		\$ 11.24		\$ 11.24				
96	FLOODLIGHT LED 90W			\$ 14.56				\$ 14.56		\$ 14.56		\$ 14.56				
97	FLOODLIGHT LED 110W			\$ 17.36				\$ 17.36		\$ 17.36		\$ 17.36				
98	FLOODLIGHT LED 370W			\$ 27.00				\$ 27.00		\$ 27.00		\$ 27.00				
99	Special Agreement Customer Installed LED		10,671	per contracts	\$ 106,541							per contracts	\$ 106,541			
100	Pole Charges				\$ 8,639								\$ 8,639			
101	Total OL				\$ 1,823,840			\$ 1,671,292		\$ 1,671,292		\$ 1,823,840				
102	Total System				\$ 63,939,006			\$ 58,540,271		\$ 59,844,110		\$ 65,242,846	\$ 1,303,839			

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

Unitil Energy Systems, Inc.
Decoupling
Target Distribution Revenues

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

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

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

Notes:

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

Unitil Energy Systems, Inc.
Decoupling
Target Revenues by Class

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

Notes:

(1) Excludes Other Operating Revenues

(2) Revenue increase reflects increase of \$5,883,395 per Order No. 26,625. Difference above due to rounding

(3) Refer to Docket DE 21-030 Compliance Filing Attachment 2

(4) Refer Second Revised Schedule CGKS-7

(5) Outdoor Lighting is excluded from Decoupling

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

Effective July 1, 2022-May 31, 2023	Residential	Regular General			Large General	Lighting	Total
Target Distribution Revenues	D	G2	G2 - kWh Meter	QRWH	G1	OL	
June (At June 1, 2022 Rates)	\$ 2,977,460	\$ 1,532,657	\$ 7,729	\$ 10,077	\$ 718,265	\$ 152,547	\$ 5,398,736
July	3,511,307	1,665,962	7,922	12,927	753,783	152,541	6,104,442
August	3,705,150	1,713,467	7,928	14,714	766,825	152,485	6,360,571
September	3,146,589	1,660,800	7,908	12,626	738,286	151,956	5,718,165
October	2,544,469	1,569,008	7,776	8,892	707,594	150,741	4,988,481
November	2,668,135	1,477,373	7,798	12,326	688,142	150,293	5,004,065
December	3,118,770	1,458,815	8,002	18,785	675,430	149,533	5,429,335
January	3,237,087	1,513,095	8,441	26,130	691,643	153,514	5,629,909
February	3,037,065	1,507,500	8,314	24,895	687,779	152,720	5,418,273
March	2,965,611	1,519,099	8,294	22,620	693,128	152,748	5,361,498
April	2,745,303	1,343,583	8,024	15,218	688,786	152,723	4,953,638
May	2,670,670	1,341,741	7,887	11,697	691,701	152,038	4,875,733
12ME May	\$ 36,327,617	\$ 18,303,100	\$ 96,022	\$ 190,906	\$ 8,501,361	\$ 1,823,840	\$ 65,242,846

Effective July 1, 2022-May 31, 2023	Residential	Regular General			Large General	Lighting	Total
Test Year Bills	D	G2	G2 - kWh Meter	QRWH	G1	OL	
July	68,707	10,621	379	258	168	1,549	81,682
August	68,629	10,663	377	256	169	1,548	81,642
September	69,456	10,707	377	257	168	1,546	82,511
October	68,246	10,628	379	257	168	1,546	81,224
November	67,875	10,548	375	255	168	1,543	80,764
December	67,567	10,520	372	252	167	1,542	80,420
January	67,012	10,479	382	262	166	1,553	79,854
February	66,947	10,469	382	260	166	1,557	79,781
March	67,134	10,470	383	260	167	1,555	79,969
April	67,032	10,472	380	258	167	1,552	79,861
May	68,175	10,506	379	256	168	1,551	81,035
12ME May	746,780	116,083	4,165	2,831	1,842	17,042	888,743

Effective July 1, 2022-May 31, 2023	Residential	Regular General			Large General
Monthly Revenue Per Customer	D	G2	G2 - kWh Meter	QRWH	G1
July	\$ 51.11	\$ 156.86	\$ 20.90	\$ 50.10	\$ 4,486.80
August	\$ 53.99	\$ 160.70	\$ 21.03	\$ 57.48	\$ 4,537.43
September	\$ 45.30	\$ 155.11	\$ 20.98	\$ 49.13	\$ 4,394.56
October	\$ 37.28	\$ 147.63	\$ 20.52	\$ 34.60	\$ 4,211.87
November	\$ 39.31	\$ 140.06	\$ 20.79	\$ 48.34	\$ 4,096.08
December	\$ 46.16	\$ 138.67	\$ 21.51	\$ 74.55	\$ 4,044.49
January	\$ 48.31	\$ 144.39	\$ 22.10	\$ 99.73	\$ 4,166.52
February	\$ 45.37	\$ 144.00	\$ 21.76	\$ 95.75	\$ 4,143.25
March	\$ 44.17	\$ 145.09	\$ 21.65	\$ 87.00	\$ 4,150.46
April	\$ 40.96	\$ 128.30	\$ 21.12	\$ 58.99	\$ 4,124.47
May	\$ 39.17	\$ 127.71	\$ 20.81	\$ 45.69	\$ 4,117.27

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

Line No.		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	Residential - D													
2	Test Year Consumers	67,012	66,947	67,134	67,032	68,175	68,499	68,707	68,629	69,456	68,246	67,875	67,567	815,280
3	Test Year kWh	47,877,662	43,447,320	41,788,394	36,919,734	34,845,155	43,074,211	53,371,480	57,715,834	44,979,721	32,009,393	34,896,989	45,042,699	515,968,592
4														
5	July 1, 2022 Rates													
6	Customer Charge	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	\$16.22	
7	Energy Charge	\$0.04491	\$0.04491	\$0.04491	\$0.04491	\$0.04491	\$0.04491	\$0.04491	\$0.04491	\$0.04491	\$0.04491	\$0.04491	\$0.04491	
8														
9	Revenue													
10	Customer Charge	\$1,086,932	\$1,085,874	\$1,088,921	\$1,087,262	\$1,105,797	\$1,111,055	\$1,114,429	\$1,113,170	\$1,126,579	\$1,106,948	\$1,100,934	\$1,095,932	\$13,223,834
11	Energy Charge	\$2,150,155	\$1,951,191	\$1,876,689	\$1,658,041	\$1,564,873	\$1,934,435	\$2,396,878	\$2,591,980	\$2,020,010	\$1,437,521	\$1,567,201	\$2,022,838	\$23,171,812
12	Total Revenue	\$3,237,087	\$3,037,065	\$2,965,611	\$2,745,303	\$2,670,670	\$3,045,489	\$3,511,307	\$3,705,150	\$3,146,589	\$2,544,469	\$2,668,135	\$3,118,770	\$36,395,646
13														
14														
15	Small General Service - G2 kWh													
16	Test Year Consumers	382	382	383	380	379	378	379	377	377	379	375	372	4,543
17	Test Year kWh	49,142	44,733	43,401	35,971	31,861	32,502	33,066	34,562	33,864	28,015	31,317	40,310	438,744
18														
19	July 1, 2022 Rates													
20	Customer Charge	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	\$18.38	
21	Energy Charge	\$0.02890	\$0.02890	\$0.02890	\$0.02890	\$0.02890	\$0.02890	\$0.02890	\$0.02890	\$0.02890	\$0.02890	\$0.02890	\$0.02890	
22														
23	Revenue													
24	Customer Charge	\$7,021	\$7,021	\$7,040	\$6,984	\$6,966	\$6,948	\$6,966	\$6,929	\$6,929	\$6,966	\$6,893	\$6,837	\$83,500
25	Energy Charge	\$1,420	\$1,293	\$1,254	\$1,040	\$921	\$939	\$956	\$999	\$979	\$810	\$905	\$1,165	\$12,679
26	Total Revenue	\$8,441	\$8,314	\$8,294	\$8,024	\$7,887	\$7,887	\$7,922	\$7,928	\$7,908	\$7,776	\$7,798	\$8,002	\$96,180
27														
28														
29	Small General Service - G2 QR WH /SH													
30	Test Year Consumers	262	260	260	258	256	258	258	256	257	257	255	252	3,089
31	Test Year kWh	656,472	622,649	559,298	353,793	256,299	216,185	289,997	340,290	281,883	177,928	274,066	454,719	4,483,579
32														
33	July 1, 2022 Rates													
34	Customer Charge	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	\$9.73	
35	Energy Charge	\$0.03592	\$0.03592	\$0.03592	\$0.03592	\$0.03592	\$0.03592	\$0.03592	\$0.03592	\$0.03592	\$0.03592	\$0.03592	\$0.03592	
36														
37	Revenue													
38	Customer Charge	\$2,549	\$2,530	\$2,530	\$2,510	\$2,491	\$2,510	\$2,510	\$2,491	\$2,501	\$2,501	\$2,481	\$2,452	\$30,056
39	Energy Charge	\$23,580	\$22,365	\$20,090	\$12,708	\$9,206	\$7,765	\$10,417	\$12,223	\$10,125	\$6,391	\$9,844	\$16,333	161,049
40	Total Revenue	\$26,130	\$24,895	\$22,620	\$15,218	\$11,697	\$10,276	\$12,927	\$14,714	\$12,626	\$8,892	\$12,326	\$18,785	\$191,105
41														

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

Line No.		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
42														
43	Small General Service - G2 Demand													
44	Test Year Consumers	10,479	10,469	10,470	10,472	10,506	10,629	10,621	10,663	10,707	10,628	10,548	10,520	126,712
45	Test Year kW	101,780	101,342	102,389	87,511	87,319	106,029	114,306	118,215	113,730	106,201	98,603	97,109	1,234,532
46	Test Year kWh	29,121,178	28,684,028	28,061,068	21,033,411	20,197,196	25,493,967	29,616,140	30,665,177	28,590,103	22,317,914	22,648,750	25,705,566	312,134,498
47														
48	July 1, 2022 Rates													
49	Customer Charge	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	\$29.19	
50	Demand Charge	\$11.87	\$11.87	\$11.87	\$11.87	\$11.87	\$11.87	\$11.87	\$11.87	\$11.87	\$11.87	\$11.87	\$11.87	
51	Energy Charge	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
52														
53	Revenue													
54	Customer Charge	\$305,882	\$305,590	\$305,617	\$305,678	\$306,670	\$310,261	\$310,025	\$311,248	\$312,535	\$310,231	\$307,908	\$307,079	\$3,698,724
55	Demand Charge	\$1,208,481	\$1,203,276	\$1,215,708	\$1,039,054	\$1,036,781	\$1,258,924	\$1,357,211	\$1,403,615	\$1,350,365	\$1,260,967	\$1,170,753	\$1,153,019	\$14,658,152
56	Energy Charge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
57	Total Revenue	<u>\$1,514,363</u>	<u>\$1,508,867</u>	<u>\$1,521,324</u>	<u>\$1,344,731</u>	<u>\$1,343,451</u>	<u>\$1,569,184</u>	<u>\$1,667,236</u>	<u>\$1,714,863</u>	<u>\$1,662,900</u>	<u>\$1,571,199</u>	<u>\$1,478,661</u>	<u>\$1,460,097</u>	<u>\$18,356,876</u>
58														
59														
60	Large General Service - G1													
61	Test Year Consumers - Secondary	133	133	134	134	135	135	135	136	135	135	135	135	1,615
62	Test Year Consumers - Primary	33	33	33	33	33	33	33	33	33	33	33	32	395
63	Test Year kVA	81,206	80,761	81,372	80,864	81,179	86,341	88,631	90,184	86,802	83,069	80,708	79,165	1,000,283
64	Test Year kWh	27,162,976	27,360,368	27,375,056	23,199,379	23,230,381	27,500,834	29,386,736	29,935,971	29,722,799	24,642,676	24,432,498	25,817,785	319,767,459
65														
66	July 1, 2022 Rates													
67	Customer Charge - Secondary	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	\$162.18	
68	Customer Charge - Primary	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	\$86.49	
69	Demand Charge	\$8.38	\$8.38	\$8.38	\$8.38	\$8.38	\$8.38	\$8.38	\$8.38	\$8.38	\$8.38	\$8.38	\$8.38	
70	Energy Charge	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
71														
72	Revenue													
73	Customer Charges	\$24,424	\$24,424	\$24,586	\$24,586	\$24,748	\$24,748	\$24,748	\$24,911	\$24,748	\$24,748	\$24,748	\$24,662	\$296,084
74	Demand Charge	\$680,608	\$676,876	\$682,000	\$677,743	\$680,380	\$723,648	\$742,838	\$755,856	\$727,509	\$696,224	\$676,430	\$663,500	\$8,383,613
75	Energy Charge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
76	Total Revenue	<u>\$705,032</u>	<u>\$701,300</u>	<u>\$706,586</u>	<u>\$702,329</u>	<u>\$705,128</u>	<u>\$748,396</u>	<u>\$767,587</u>	<u>\$780,767</u>	<u>\$752,258</u>	<u>\$720,973</u>	<u>\$701,179</u>	<u>\$688,162</u>	<u>\$8,679,697</u>
77														

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

Line No.		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
78														
79	Transformer Ownership													
80	G1-kVA													
81	Test Year kVA	26,778	27,043	26,917	27,086	26,855	27,239	27,609	27,883	27,943	26,757	26,075	25,464	323,647
82														
83	July 1, 2022 Rates													
84	Credit	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	
85														
86	Revenue													
87	Tranf Ownership Credit	(\$13,389)	(\$13,522)	(\$13,458)	(\$13,543)	(\$13,427)	(\$13,620)	(\$13,804)	(\$13,941)	(\$13,971)	(\$13,378)	(\$13,037)	(\$12,732)	(\$161,824)
88	Total Ownership Credit	(\$13,389)	(\$13,522)	(\$13,458)	(\$13,543)	(\$13,427)	(\$13,620)	(\$13,804)	(\$13,941)	(\$13,971)	(\$13,378)	(\$13,037)	(\$12,732)	(\$161,824)
89														
90														
91	Transformer Ownership													
92	G2-kW													
93	Test Year kW	2,536	2,733	4,452	2,297	3,421	2,344	2,548	2,792	4,200	4,380	2,575	2,565	36,843
94														
95	July 1, 2022 Rates													
96	Credit	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	(\$0.50)	
97														
98	Revenue													
99	Tranf Ownership Credit	(\$1,268)	(\$1,366)	(\$2,226)	(\$1,148)	(\$1,711)	(\$1,172)	(\$1,274)	(\$1,396)	(\$2,100)	(\$2,190)	(\$1,288)	(\$1,283)	(\$18,421)
100	Total Ownership Credit	(\$1,268)	(\$1,366)	(\$2,226)	(\$1,148)	(\$1,711)	(\$1,172)	(\$1,274)	(\$1,396)	(\$2,100)	(\$2,190)	(\$1,288)	(\$1,283)	(\$18,421)
101														
102														
103	Summary													
104		# Custs	Test Year											
			kW	kVA	kWh	Calculated Rev.								
105	Residential - D	815,280			515,968,592	\$36,395,646								
106	Small General Service - G2 kWh	4,543			438,744	\$96,180								
107	Small General Service - G2 QR WH /SH	3,089			4,483,579	\$191,105								
108	Small General Service - G2 Demand	126,712	1,234,532		312,134,498	\$18,356,876								
109	Large General Service - G1	1,615		1,000,283	319,767,459	\$8,679,697								
110	Transformer Ownership		36,843	323,647		(\$180,245)								
111	Street Lighting	Luminaires	108,600		7,625,729	\$1,823,840								
112	Total	1,059,839	1,271,375	1,323,931	1,160,418,601	\$65,363,098								

UES
July 1, 2022 Rates

	<u>Class</u>		<u>Distribution Charge</u>
1	D	Customer Charge	\$16.22
2			
3		All kWh	\$0.04491
4			
5	G2	Customer Charge	\$29.19
6			
7		All kW	\$11.87
8			
9		All kWh	\$0.00000
10			
11	G2 - kWh meter	Customer Charge	\$18.38
12			
13		All kWh	\$0.02890
14			
15	G2 - Quick Recovery Water	Customer Charge	\$9.73
16	Heat and/or Space Heat		
17		All kWh	\$0.03592
18			
19	G1	Customer Charge Secondary	\$162.18
20		Customer Charge Primary	\$86.49
21			
22		All kVA	\$8.38
23			
24		All kWh	\$0.00000

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on D Rate Customers							
Range Monthly kWh	Percentage Bills	Average kWh	Total Bill Using Rates Effective 6/1/22	Total Bill Using Rates Proposed 7/1/22	Total Difference	% Total Difference	
0-100	7.6%	38	\$23.01	\$23.07	\$0.06	0.3%	
101-200	8.2%	154	\$44.03	\$44.28	\$0.24	0.6%	
201-300	10.4%	252	\$61.82	\$62.22	\$0.40	0.6%	
301-400	11.2%	351	\$79.73	\$80.28	\$0.55	0.7%	
401-500	10.8%	450	\$97.71	\$98.42	\$0.71	0.7%	
501-750	21.6%	617	\$127.87	\$128.84	\$0.97	0.8%	
750-1,000	13.0%	864	\$172.66	\$174.03	\$1.37	0.8%	
1,000-1,500	11.2%	1,201	\$233.71	\$235.60	\$1.90	0.8%	
1,501-2,000	3.6%	1,707	\$325.39	\$328.08	\$2.70	0.8%	
2,001-3,500	2.0%	2,447	\$459.34	\$463.21	\$3.87	0.8%	
3,501-5,000	0.2%	4,021	\$744.39	\$750.74	\$6.35	0.9%	
5,000+	0.0%	6,632	\$1,217.11	\$1,227.59	\$10.48	0.9%	
600 kWh bill		600	\$124.86	\$125.81	\$0.95	0.8%	
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:				Unitil Energy Systems, Inc. Rates - Proposed 7/1/2022:			
Customer Charge	\$16.22			Customer Charge	\$16.22		
	<u>All kWh</u>				<u>All kWh</u>		
Distribution Charge	\$0.04333			Distribution Charge	\$0.04491		
External Delivery Charge	\$0.02978			External Delivery Charge	\$0.02978		
Stranded Cost Charge	(\$0.00002)			Stranded Cost Charge	(\$0.00002)		
System Benefits Charge	\$0.00681			System Benefits Charge	\$0.00681		
Storm Recovery Adjustment Factor	\$0.00000			Storm Recovery Adjustment Factor	\$0.00000		
Fixed Default Service Charge	\$0.10117			Fixed Default Service Charge	\$0.10117		
TOTAL	\$0.18107			TOTAL	\$0.18265		

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G2 Rate Customers								
Average Load Factor	kW Range	Percentage Bills	Average Monthly kW	Average Monthly kWh	Total Bill Using Rates Effective 6/1/22	Total Bill Using Rates Proposed 7/1/22	Total Difference	% Total Difference
17%	0-1.0	26.9%	1.0	125	\$56.88	\$57.21	\$0.33	0.6%
28%	1.1-2	10.6%	1.5	308	\$86.54	\$87.03	\$0.49	0.6%
24%	2.1-3	7.4%	2.5	438	\$115.35	\$116.18	\$0.83	0.7%
24%	3.1-4	6.5%	3.5	625	\$151.47	\$152.64	\$1.17	0.8%
25%	4.1-5	5.9%	4.5	821	\$188.62	\$190.12	\$1.50	0.8%
24%	5.1-6	5.4%	5.5	965	\$218.75	\$220.58	\$1.83	0.8%
24%	6.1-7	4.2%	6.5	1,141	\$253.20	\$255.35	\$2.16	0.9%
25%	7.1-8	3.6%	7.5	1,351	\$292.21	\$294.70	\$2.49	0.9%
26%	8.1-9	3.0%	8.5	1,622	\$338.99	\$341.80	\$2.82	0.8%
27%	9.1-10	2.6%	9.5	1,872	\$383.15	\$386.30	\$3.15	0.8%
28%	10.1-12	4.2%	11.0	2,219	\$445.10	\$448.73	\$3.63	0.8%
29%	12.1-14	2.9%	13.0	2,800	\$543.99	\$548.28	\$4.29	0.8%
31%	14.1-16	2.4%	15.0	3,390	\$644.01	\$648.96	\$4.95	0.8%
33%	16.1-18	1.8%	17.0	4,048	\$752.92	\$758.53	\$5.62	0.7%
33%	18.1-20	1.4%	19.0	4,598	\$847.59	\$853.87	\$6.28	0.7%
34%	20.1-22.5	1.4%	21.3	5,309	\$966.20	\$973.21	\$7.02	0.7%
35%	22.6-25	1.2%	23.7	6,017	\$1,086.70	\$1,094.52	\$7.83	0.7%
37%	25.1-30	1.6%	27.4	7,335	\$1,301.22	\$1,310.27	\$9.05	0.7%
40%	30.1-35	1.1%	32.5	9,376	\$1,625.30	\$1,636.02	\$10.72	0.7%
40%	35.1-40	0.9%	37.5	11,085	\$1,906.34	\$1,918.72	\$12.39	0.6%
40%	40.1-45	0.7%	42.5	12,531	\$2,151.86	\$2,165.88	\$14.02	0.7%
43%	45.1-50	0.6%	47.5	14,838	\$2,510.28	\$2,525.96	\$15.68	0.6%
42%	50.1-60	0.9%	54.8	16,705	\$2,837.52	\$2,855.60	\$18.08	0.6%
43%	60.1-70	0.7%	64.8	20,391	\$3,433.48	\$3,454.86	\$21.39	0.6%
44%	70.1-80	0.5%	75.2	24,069	\$4,032.55	\$4,057.37	\$24.82	0.6%
44%	80.1-90	0.4%	84.7	27,000	\$4,523.94	\$4,551.89	\$27.95	0.6%
41%	90.1-100	0.3%	94.4	28,369	\$4,814.16	\$4,845.31	\$31.15	0.6%
45%	100.1-120	0.4%	109.2	35,732	\$5,944.69	\$5,980.74	\$36.05	0.6%
45%	120.1-140	0.2%	129.0	42,752	\$7,087.23	\$7,129.80	\$42.57	0.6%
43%	140.1-160	0.1%	149.1	46,963	\$7,867.45	\$7,916.64	\$49.20	0.6%
40%	160.1-200	0.1%	175.7	51,679	\$8,788.63	\$8,846.60	\$57.97	0.7%
26%	200.1+	0.0%	348.8	66,522	\$12,719.61	\$12,834.70	\$115.09	0.9%
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:					Unitil Energy Systems, Inc. Rates - Proposed 7/1/2022:			
Customer Charge			\$29.19		Customer Charge			\$29.19
			<u>All kW</u>					<u>All kW</u>
Distribution Charge			\$11.54		Distribution Charge			\$11.87
Stranded Cost Charge			<u>\$0.00</u>		Stranded Cost Charge			<u>\$0.00</u>
TOTAL			\$11.54		TOTAL			\$11.87
			<u>kWh</u>					<u>kWh</u>
Distribution Charge			\$0.00000		Distribution Charge			\$0.00000
External Delivery Charge			\$0.02978		External Delivery Charge			\$0.02978
Stranded Cost Charge			(\$0.00002)		Stranded Cost Charge			(\$0.00002)
System Benefits Charge			\$0.00681		System Benefits Charge			\$0.00681
Storm Recovery Adjustment Factor			\$0.00000		Storm Recovery Adjustment Factor			\$0.00000
Fixed Default Service Charge			<u>\$0.09370</u>		Fixed Default Service Charge			<u>\$0.09370</u>
TOTAL			\$0.13027		TOTAL			\$0.13027

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G2 - kWh meter Rate Customers							
Range Monthly kWh	Percentage Bills	Average Monthly kWh	Total Bill Using Rates Effective 6/1/22	Total Bill Using Rates Proposed 7/1/22	Total Difference	% Total Difference	
0-50	58.8%	18	\$21.19	\$21.27	\$0.09	0.4%	
51-100	16.6%	71	\$29.34	\$29.69	\$0.35	1.2%	
101-200	13.3%	146	\$40.92	\$41.63	\$0.71	1.7%	
201-300	4.8%	243	\$55.81	\$56.99	\$1.18	2.1%	
301-400	2.3%	346	\$71.79	\$73.47	\$1.68	2.3%	
401-500	1.3%	452	\$88.14	\$90.34	\$2.20	2.5%	
501-600	1.1%	543	\$102.16	\$104.80	\$2.64	2.6%	
601-700	0.6%	639	\$116.95	\$120.06	\$3.10	2.7%	
701-800	0.3%	742	\$132.85	\$136.46	\$3.61	2.7%	
801-1,000	0.3%	890	\$155.64	\$159.97	\$4.32	2.8%	
1,000+	0.7%	2,084	\$339.94	\$350.07	\$10.13	3.0%	
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:				Unitil Energy Systems, Inc. Rates - Proposed 7/1/2022:			
Customer Charge		\$18.38	Customer Charge		\$18.38		
		<u>All kWh</u>			<u>All kWh</u>		
Distribution Charge		\$0.02404	Distribution Charge		\$0.02890		
External Delivery Charge		\$0.02978	External Delivery Charge		\$0.02978		
Stranded Cost Charge		(\$0.00002)	Stranded Cost Charge		(\$0.00002)		
System Benefits Charge		\$0.00681	System Benefits Charge		\$0.00681		
Storm Recovery Adjustment Factor		\$0.00000	Storm Recovery Adjustment Factor		\$0.00000		
Fixed Default Service Charge		<u>\$0.09370</u>	Fixed Default Service Charge		<u>\$0.09370</u>		
TOTAL		\$0.15431	TOTAL		\$0.15917		

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G2 - QRWH and SH Rate Customers							
Range Monthly kWh	Percentage Bills	Average kWh	Total Bill Using Rates Effective 6/1/22	Total Bill Using Rates Proposed 7/1/22	Total Difference	% Total Difference	
0-250	41.9%	79	\$22.81	\$22.88	\$0.07	0.3%	
251-500	13.0%	365	\$70.11	\$70.45	\$0.34	0.5%	
501-750	8.0%	624	\$112.89	\$113.47	\$0.57	0.5%	
751-1,000	5.5%	869	\$153.27	\$154.07	\$0.80	0.5%	
1,001-2,000	12.5%	1,415	\$243.62	\$244.92	\$1.30	0.5%	
2,001-3,000	7.1%	2,448	\$414.28	\$416.53	\$2.25	0.5%	
3,001-4,000	3.5%	3,453	\$580.36	\$583.54	\$3.18	0.5%	
4,001-5,000	2.3%	4,506	\$754.47	\$758.61	\$4.15	0.5%	
5,001-6,000	1.0%	5,516	\$921.29	\$926.36	\$5.07	0.6%	
6,001-7,000	0.9%	6,474	\$1,079.76	\$1,085.71	\$5.96	0.6%	
7,001-8,000	0.9%	7,429	\$1,237.55	\$1,244.39	\$6.83	0.6%	
8,001-9,000	0.4%	8,471	\$1,409.66	\$1,417.46	\$7.79	0.6%	
9,001-10,000	0.5%	9,612	\$1,598.34	\$1,607.18	\$8.84	0.6%	
10,001+	2.6%	18,764	\$3,110.85	\$3,128.11	\$17.26	0.6%	
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:				Unitil Energy Systems, Inc. Rates - Proposed 7/1/2022:			
Customer Charge	\$9.73			Customer Charge	\$9.73		
	<u>All kWh</u>				<u>All kWh</u>		
Distribution Charge	\$0.03500			Distribution Charge	\$0.03592		
External Delivery Charge	\$0.02978			External Delivery Charge	\$0.02978		
Stranded Cost Charge	(\$0.00002)			Stranded Cost Charge	(\$0.00002)		
System Benefits Charge	\$0.00681			System Benefits Charge	\$0.00681		
Storm Recovery Adjustment Factor	\$0.00000			Storm Recovery Adjustment Factor	\$0.00000		
Fixed Default Service Charge	<u>\$0.09370</u>			Fixed Default Service Charge	<u>\$0.09370</u>		
TOTAL	\$0.16527			TOTAL	\$0.16619		

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G1 Rate Customers									
Customer	Load Factor	Average Monthly kVA	Average kWh	Voltage Discount Tier	Transformer Ownership Credit	Total Bill Using Rates Effective 6/1/22	Total Bill Using Rates Proposed 7/1/22	Total Difference	% Total Difference
1	32.0%	291	67,950		Yes	\$12,067.34	\$12,122.64	\$55.29	0.5%
2	40.1%	158	46,305	1	Yes	\$7,736.09	\$7,765.58	\$29.49	0.4%
3	20.3%	489	72,292		Yes	\$14,205.35	\$14,298.20	\$92.86	0.7%
4	15.5%	567	64,125			\$13,926.24	\$14,033.91	\$107.67	0.8%
5	16.8%	193	23,717		Yes	\$5,022.19	\$5,058.90	\$36.71	0.7%
6	33.2%	288	69,841	1	Yes	\$11,993.39	\$12,046.98	\$53.60	0.4%
7	40.1%	290	84,900			\$14,614.16	\$14,669.22	\$55.06	0.4%
8	24.8%	316	57,185			\$10,889.96	\$10,950.09	\$60.13	0.6%
9	49.2%	186	66,885	1	Yes	\$10,813.95	\$10,848.59	\$34.64	0.3%
10	29.4%	673	144,575	1	Yes	\$25,317.92	\$25,443.29	\$125.37	0.5%
11	57.5%	450	189,070			\$30,747.08	\$30,832.59	\$85.51	0.3%
12	44.0%	322	103,375			\$17,506.59	\$17,567.77	\$61.18	0.3%
13	36.9%	451	121,500			\$21,142.63	\$21,228.34	\$85.71	0.4%
14	52.9%	318	123,050			\$20,276.06	\$20,336.56	\$60.49	0.3%
15	42.0%	291	89,400			\$15,267.68	\$15,323.05	\$55.37	0.4%
16	23.2%	459	77,850			\$14,994.65	\$15,081.81	\$87.15	0.6%
17	53.7%	716	280,803	1	Yes	\$44,634.53	\$44,767.88	\$133.35	0.3%
18	70.0%	538	275,100			\$43,708.24	\$43,810.49	\$102.25	0.2%
19	66.9%	1,432	699,283	2	Yes	\$106,721.65	\$106,984.30	\$262.64	0.2%
20	26.6%	640	124,101	1	Yes	\$22,212.41	\$22,331.58	\$119.17	0.5%
21	50.9%	254	94,302	1	Yes	\$15,147.77	\$15,195.04	\$47.27	0.3%
22	21.6%	228	35,933	1	Yes	\$6,816.68	\$6,859.18	\$42.50	0.6%
23	55.0%	495	198,707			\$32,485.54	\$32,579.58	\$94.03	0.3%
24	57.4%	420	175,773			\$28,606.59	\$28,686.33	\$79.74	0.3%
25	35.7%	293	76,309	1	Yes	\$12,933.12	\$12,987.65	\$54.53	0.4%
26	62.3%	558	254,016	2	Yes	\$39,103.20	\$39,205.55	\$102.36	0.3%
27	49.8%	692	251,233		Yes	\$41,224.32	\$41,355.74	\$131.42	0.3%
28	34.1%	379	94,439	1	Yes	\$16,113.14	\$16,183.79	\$70.65	0.4%
29	14.6%	274	29,187		Yes	\$6,424.13	\$6,476.25	\$52.12	0.8%
30	42.8%	179	55,967			\$9,592.34	\$9,626.39	\$34.05	0.4%
31	21.9%	468	74,603	1	Yes	\$14,011.84	\$14,098.91	\$87.07	0.6%
32	25.4%	392	72,567			\$13,696.45	\$13,770.92	\$74.47	0.5%
33	37.9%	218	60,330			\$10,529.18	\$10,570.56	\$41.38	0.4%
34	54.1%	2,781	1,099,095	2	Yes	\$171,615.72	\$172,125.53	\$509.81	0.3%
35	45.5%	277	91,980			\$15,514.62	\$15,567.20	\$52.58	0.3%
36	58.4%	561	238,900			\$38,740.98	\$38,847.47	\$106.49	0.3%
37	57.5%	429	180,133	2	Yes	\$28,003.11	\$28,081.83	\$78.72	0.3%
38	36.9%	342	92,233			\$16,087.11	\$16,152.13	\$65.02	0.4%
39	22.2%	382	62,000		Yes	\$11,919.47	\$11,992.03	\$72.55	0.6%
40	32.6%	227	53,960			\$9,694.51	\$9,737.56	\$43.04	0.4%
41	69.3%	2,259	1,143,565	2	Yes	\$173,851.77	\$174,265.98	\$414.21	0.2%
42	61.5%	1,286	577,482	2	Yes	\$88,912.24	\$89,148.02	\$235.78	0.3%
43	62.8%	2,917	1,336,786	2		\$206,670.48	\$207,205.36	\$534.87	0.3%
44	36.1%	498	131,232	1	Yes	\$22,137.15	\$22,229.90	\$92.74	0.4%
45	25.4%	431	79,983			\$15,070.48	\$15,152.35	\$81.87	0.5%
46	53.6%	1,072	419,655	2	Yes	\$65,655.27	\$65,851.80	\$196.53	0.3%
47	65.3%	644	307,000			\$49,111.38	\$49,233.70	\$122.31	0.2%
48	51.5%	159	59,867			\$9,983.19	\$10,013.44	\$30.25	0.3%
49	25.0%	133	24,333			\$4,715.54	\$4,740.86	\$25.32	0.5%
50	22.6%	246	40,675			\$7,966.35	\$8,013.15	\$46.80	0.6%
51	22.0%	397	63,750			\$12,479.23	\$12,554.56	\$75.33	0.6%
52	16.5%	372	44,875			\$9,591.18	\$9,661.81	\$70.63	0.7%
53	57.7%	762	320,917			\$52,061.00	\$52,205.81	\$144.81	0.3%
54	40.5%	183	54,200			\$9,374.17	\$9,408.99	\$34.82	0.4%
55	53.2%	695	270,150			\$44,290.65	\$44,422.76	\$132.10	0.3%
56	48.6%	199	70,633			\$11,841.81	\$11,879.64	\$37.83	0.3%
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:									
Customer Charge - Secondary			\$162.18	Customer Charge - Secondary			\$162.18		
Customer Charge - Primary			\$86.49	Customer Charge - Primary			\$86.49		
			<u>All kVA</u>				<u>All kVA</u>		
Distribution Charge			\$8.19	Distribution Charge			\$8.38		
Stranded Cost Charge			<u>\$0.00</u>	Stranded Cost Charge			<u>\$0.00</u>		
TOTAL			\$8.19	TOTAL			\$8.38		
			<u>All kWh</u>				<u>All kWh</u>		
Distribution Charge			\$0.00000	Distribution Charge			\$0.00000		
External Delivery Charge			\$0.02978	External Delivery Charge			\$0.02978		
Stranded Cost Charge			(\$0.00002)	Stranded Cost Charge			(\$0.00002)		
System Benefits Charge			\$0.00681	System Benefits Charge			\$0.00681		
Storm Recovery Adjustment Factor			\$0.00000	Storm Recovery Adjustment Factor			\$0.00000		
May 22 Default Service Charge			<u>\$0.10570</u>	May 22 Default Service Charge			<u>\$0.10570</u>		
TOTAL			\$0.14227	TOTAL			\$0.14227		
High Voltage Discount 1 for 4-13.8 kV			2.0%	High Voltage Discount 1 for 4-13.8 kV			2.0%		
High Voltage Discount 2 for 34.5 kV			3.5%	High Voltage Discount 2 for 34.5 kV			3.5%		
Transformer Ownership Credit \$/kVA			\$0.50	Transformer Ownership Credit \$/kVA			\$0.50		

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G1 Rate Customers									
Customer	Load Factor	Average Monthly kVA	Average kWh	Voltage Discount Tier	Transformer Ownership Credit	Total Bill Using Rates Effective 6/1/22	Total Bill Using Rates Proposed 7/1/22	Total Difference	% Total Difference
57	48.2%	243	85,567			\$14,327.01	\$14,373.21	\$46.20	0.3%
58	51.0%	315	117,293			\$19,431.20	\$19,491.09	\$59.89	0.3%
59	33.1%	333	80,643			\$14,365.51	\$14,428.85	\$63.34	0.4%
60	31.4%	389	89,200			\$16,041.44	\$16,115.42	\$73.98	0.5%
61	45.3%	325	107,333			\$18,092.40	\$18,154.11	\$61.71	0.3%
62	23.2%	1,393	236,250		Yes	\$44,481.79	\$44,746.37	\$264.58	0.6%
63	21.5%	482	75,480			\$14,846.39	\$14,937.92	\$91.54	0.6%
64	41.2%	297	89,533			\$15,335.52	\$15,392.02	\$56.50	0.4%
65	47.8%	259	90,500			\$15,160.33	\$15,209.57	\$49.24	0.3%
66	41.3%	154	46,583			\$8,053.92	\$8,083.25	\$29.33	0.4%
67	7.5%	373	20,342			\$6,108.94	\$6,179.76	\$70.82	1.2%
68	44.8%	355	115,887			\$19,553.55	\$19,620.92	\$67.37	0.3%
69	55.6%	520	211,000			\$34,436.40	\$34,535.12	\$98.72	0.3%
70	32.0%	372	86,900			\$15,573.56	\$15,644.27	\$70.71	0.5%
71	51.4%	280	105,200			\$17,425.53	\$17,478.81	\$53.28	0.3%
72	48.5%	465	164,567			\$27,384.18	\$27,472.55	\$88.37	0.3%
73	54.1%	409	161,410			\$26,473.85	\$26,551.52	\$77.67	0.3%
74	38.3%	166	46,470			\$8,135.60	\$8,167.20	\$31.60	0.4%
75	76.1%	476	264,430			\$41,683.53	\$41,774.03	\$90.50	0.2%
76	55.2%	354	142,383			\$23,314.22	\$23,381.39	\$67.17	0.3%
77	49.6%	252	91,333			\$15,223.74	\$15,271.70	\$47.97	0.3%
78	33.0%	212	51,093			\$9,167.44	\$9,207.72	\$40.28	0.4%
79	51.3%	328	122,880			\$20,331.59	\$20,393.94	\$62.34	0.3%
80	58.8%	678	291,100			\$47,131.71	\$47,260.57	\$128.86	0.3%
81	12.5%	681	62,090			\$14,571.31	\$14,700.66	\$129.35	0.9%
82	33.0%	192	46,390			\$8,338.46	\$8,375.03	\$36.57	0.4%
83	52.5%	249	95,583			\$15,802.18	\$15,849.54	\$47.36	0.3%
84	12.6%	838	76,750			\$17,940.80	\$18,099.93	\$159.13	0.9%
85	61.7%	257	115,933			\$18,764.12	\$18,813.03	\$48.91	0.3%
86	17.5%	633	80,900			\$16,857.59	\$16,977.90	\$120.30	0.7%
87	4.7%	180	6,192	2		\$2,356.05	\$2,388.98	\$32.93	1.4%
88	21.1%	241	37,150			\$7,421.64	\$7,467.44	\$45.80	0.6%
89	60.6%	489	216,067			\$34,903.00	\$34,995.82	\$92.82	0.3%
90	56.2%	1,044	428,000			\$69,600.82	\$69,799.11	\$198.28	0.3%
91	26.8%	360	70,500			\$13,140.62	\$13,209.02	\$68.40	0.5%
92	17.5%	321	41,007			\$8,628.74	\$8,689.81	\$61.07	0.7%
93	39.4%	311	89,520			\$15,446.99	\$15,506.12	\$59.13	0.4%
94	67.4%	501	246,680			\$39,361.15	\$39,456.35	\$95.20	0.2%
95	25.8%	222	41,900			\$7,943.32	\$7,985.54	\$42.22	0.5%
96	64.7%	354	167,040			\$26,822.67	\$26,889.85	\$67.18	0.3%
97	42.0%	297	91,080			\$15,551.61	\$15,608.01	\$56.41	0.4%
98	20.0%	230	33,520			\$6,812.11	\$6,855.75	\$43.64	0.6%
99	11.0%	250	20,064			\$5,061.05	\$5,108.47	\$47.43	0.9%
100	21.8%	228	36,187			\$7,176.89	\$7,220.19	\$43.30	0.6%
101	47.6%	476	165,320			\$27,582.33	\$27,672.81	\$90.48	0.3%
102	55.4%	356	143,928			\$23,553.23	\$23,620.84	\$67.61	0.3%
103	37.7%	381	104,773	2	Yes	\$17,295.00	\$17,364.78	\$69.78	0.4%
104	34.6%	376	94,929	1	Yes	\$16,152.45	\$16,222.38	\$69.93	0.4%
105	70.3%	321	164,820			\$26,241.41	\$26,302.43	\$61.02	0.2%
106	33.7%	258	63,456			\$11,299.74	\$11,348.68	\$48.94	0.4%
107	19.7%	271	39,008			\$7,930.31	\$7,981.78	\$51.47	0.6%
108	54.3%	257	102,032			\$16,786.99	\$16,835.91	\$48.92	0.3%
109	42.3%	239	73,700			\$12,602.91	\$12,648.27	\$45.36	0.4%
110	48.6%	770	273,155	2	Yes	\$43,301.57	\$43,442.74	\$141.16	0.3%
111	37.3%	295	80,320			\$14,004.95	\$14,060.99	\$56.04	0.4%
112	40.2%	368	107,900			\$18,525.94	\$18,595.84	\$69.89	0.4%
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:						Unitil Energy Systems, Inc. Rates - Proposed 7/1/2022:			
Customer Charge - Secondary			\$162.18	Customer Charge - Secondary			\$162.18		
Customer Charge - Primary			\$86.49	Customer Charge - Primary			\$86.49		
			<u>All kVA</u>				<u>All kVA</u>		
Distribution Charge			\$8.19	Distribution Charge			\$8.38		
Stranded Cost Charge			\$0.00	Stranded Cost Charge			\$0.00		
TOTAL			\$8.19	TOTAL			\$8.38		
			<u>All kWh</u>				<u>All kWh</u>		
Distribution Charge			\$0.00000	Distribution Charge			\$0.00000		
External Delivery Charge			\$0.02978	External Delivery Charge			\$0.02978		
Stranded Cost Charge			(\$0.00002)	Stranded Cost Charge			(\$0.00002)		
System Benefits Charge			\$0.00681	System Benefits Charge			\$0.00681		
Storm Recovery Adjustment Factor			\$0.00000	Storm Recovery Adjustment Factor			\$0.00000		
May 22 Default Service Charge			\$0.10570	May 22 Default Service Charge			\$0.10570		
TOTAL			\$0.14227	TOTAL			\$0.14227		
High Voltage Discount 1 for 4-13.8 kV			2.0%	High Voltage Discount 1 for 4-13.8 kV			2.0%		
High Voltage Discount 2 for 34.5 kV			3.5%	High Voltage Discount 2 for 34.5 kV			3.5%		
Transformer Ownership Credit \$/kVA			\$0.50	Transformer Ownership Credit \$/kVA			\$0.50		

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G1 Rate Customers									
Customer	Load Factor	Average Monthly kVA	Average kWh	Voltage Discount Tier	Transformer Ownership Credit	Total Bill Using Rates Effective 6/1/22	Total Bill Using Rates Proposed 7/1/22	Total Difference	% Total Difference
113	51.3%	264	99,073	2	Yes	\$15,649.71	\$15,698.18	\$48.46	0.3%
114	30.6%	339	75,583			\$13,688.62	\$13,752.96	\$64.34	0.5%
115	61.0%	677	301,440			\$48,592.88	\$48,721.52	\$128.63	0.3%
116	74.4%	405	219,800			\$34,746.73	\$34,823.60	\$76.87	0.2%
117	61.5%	217	97,536			\$15,817.84	\$15,859.11	\$41.28	0.3%
118	28.4%	352	73,100			\$13,447.45	\$13,514.39	\$66.94	0.5%
119	48.2%	453	159,340			\$26,543.19	\$26,629.30	\$86.11	0.3%
120	43.9%	346	110,840			\$18,766.76	\$18,832.54	\$65.78	0.4%
121	51.2%	684	255,424	2		\$40,559.82	\$40,685.24	\$125.42	0.3%
122	40.9%	249	74,387			\$12,786.73	\$12,834.10	\$47.36	0.4%
123	20.1%	236	34,573			\$7,010.56	\$7,055.33	\$44.77	0.6%
124	9.8%	606	43,345	2	Yes	\$10,533.16	\$10,644.24	\$111.08	1.1%
125	18.9%	312	43,030			\$8,836.74	\$8,895.96	\$59.22	0.7%
126	60.0%	639	279,650			\$45,178.12	\$45,299.45	\$121.33	0.3%
127	52.4%	2,025	774,292	2	Yes	\$121,415.10	\$121,786.34	\$371.24	0.3%
128	61.2%	2,222	991,779	2	Yes	\$152,735.30	\$153,142.65	\$407.35	0.3%
129	42.8%	137	42,708			\$7,357.94	\$7,383.91	\$25.97	0.4%
130	48.5%	206	72,800			\$12,203.57	\$12,242.64	\$39.07	0.3%
131	27.1%	308	60,960			\$11,356.32	\$11,414.81	\$58.49	0.5%
132	32.2%	174	41,024			\$7,427.07	\$7,460.21	\$33.14	0.4%
133	48.5%	1,145	405,120			\$67,179.09	\$67,396.71	\$217.62	0.3%
134	16.0%	249	29,000			\$6,324.86	\$6,372.12	\$47.25	0.7%
135	48.6%	431	152,940			\$25,453.51	\$25,535.46	\$81.95	0.3%
136	31.7%	483	111,872			\$20,036.37	\$20,128.19	\$91.83	0.5%
137	44.2%	242	78,120			\$13,260.41	\$13,306.44	\$46.03	0.3%
138	61.1%	543	242,600			\$39,127.94	\$39,231.20	\$103.26	0.3%
139	48.8%	941	335,067			\$55,540.54	\$55,719.37	\$178.83	0.3%
140	80.1%	152	89,145			\$14,093.61	\$14,122.58	\$28.97	0.2%
141	54.2%	427	168,907			\$27,688.43	\$27,769.53	\$81.10	0.3%
142	36.7%	319	85,493			\$14,936.56	\$14,997.14	\$60.58	0.4%
143	26.8%	637	124,693			\$23,121.11	\$23,242.18	\$121.07	0.5%
144	55.0%	424	170,000			\$27,818.46	\$27,898.97	\$80.51	0.3%
145	45.1%	355	116,783			\$19,684.33	\$19,751.78	\$67.45	0.3%
146	25.7%	401	75,167			\$14,142.52	\$14,218.76	\$76.24	0.5%
147	58.8%	477	204,500			\$33,159.82	\$33,250.37	\$90.56	0.3%
148	27.0%	849	167,400			\$30,930.94	\$31,092.24	\$161.30	0.5%
149	70.7%	1,008	519,800			\$82,366.37	\$82,557.81	\$191.44	0.2%
150	55.6%	457	185,400			\$30,280.37	\$30,367.16	\$86.80	0.3%
151	42.1%	144	44,240			\$7,635.09	\$7,662.44	\$27.35	0.4%
152	6.3%	310	14,317			\$4,741.32	\$4,800.30	\$58.98	1.2%
153	61.1%	885	394,833			\$63,587.30	\$63,755.54	\$168.24	0.3%
154	51.7%	511	192,725			\$31,763.53	\$31,860.55	\$97.03	0.3%
155	45.8%	562	187,767			\$31,476.75	\$31,583.49	\$106.74	0.3%
156	26.2%	318	60,750			\$11,406.02	\$11,466.36	\$60.34	0.5%
157	48.6%	610	216,075			\$35,895.11	\$36,010.92	\$115.81	0.3%
158	10.9%	492	39,030			\$9,745.41	\$9,838.92	\$93.50	1.0%
159	68.6%	1,016	508,947	2	Yes	\$77,503.37	\$77,689.74	\$186.37	0.2%
160	36.0%	78	20,350			\$3,692.17	\$3,706.89	\$14.73	0.4%
161	3.4%	3,066	75,994	2		\$34,750.94	\$35,313.08	\$562.14	1.6%
162	3.9%	255	7,292			\$3,288.02	\$3,336.47	\$48.45	1.5%
163	58.2%	225	95,529			\$15,595.08	\$15,637.81	\$42.73	0.3%
164	58.8%	295	126,875			\$20,632.42	\$20,688.56	\$56.14	0.3%
165	42.2%	181	55,800			\$9,582.69	\$9,617.07	\$34.38	0.4%
166	2.3%	745	12,588	1	Yes	\$7,453.06	\$7,591.70	\$138.64	1.9%
167	34.5%	381	95,900			\$16,924.83	\$16,997.19	\$72.36	0.4%
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:						Unitil Energy Systems, Inc. Rates - Proposed 7/1/2022:			
Customer Charge - Secondary			\$162.18	Customer Charge - Secondary			\$162.18		
Customer Charge - Primary			\$86.49	Customer Charge - Primary			\$86.49		
			<u>All kVA</u>				<u>All kVA</u>		
Distribution Charge			\$8.19	Distribution Charge			\$8.38		
Stranded Cost Charge			<u>\$0.00</u>	Stranded Cost Charge			<u>\$0.00</u>		
TOTAL			\$8.19	TOTAL			\$8.38		
			<u>All kWh</u>				<u>All kWh</u>		
Distribution Charge			\$0.00000	Distribution Charge			\$0.00000		
External Delivery Charge			\$0.02978	External Delivery Charge			\$0.02978		
Stranded Cost Charge			(\$0.00002)	Stranded Cost Charge			(\$0.00002)		
System Benefits Charge			\$0.00681	System Benefits Charge			\$0.00681		
Storm Recovery Adjustment Factor			\$0.00000	Storm Recovery Adjustment Factor			\$0.00000		
May 22 Default Service Charge			<u>\$0.10570</u>	May 22 Default Service Charge			<u>\$0.10570</u>		
TOTAL			\$0.14227	TOTAL			\$0.14227		
High Voltage Discount 1 for 4-13.8 kV			2.0%	High Voltage Discount 1 for 4-13.8 kV			2.0%		
High Voltage Discount 2 for 34.5 kV			3.5%	High Voltage Discount 2 for 34.5 kV			3.5%		
Transformer Ownership Credit \$/kVA			\$0.50	Transformer Ownership Credit \$/kVA			\$0.50		

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on Tariffed OL Rate Customers									
	Nominal Watts	Lumens	Type	Current Average Monthly kWh	Percentage of Lights	Total Bill Using Rates Effective 6/1/22	Total Bill Using Rates Proposed 7/1/22	Total Difference	% Total Difference
Mercury Vapor:									
1	100	3,500	ST	43	14.2%	\$19.33	\$19.33	\$0.00	0.0%
2	175	7,000	ST	71	0.8%	\$24.98	\$24.98	\$0.00	0.0%
3	250	11,000	ST	100	0.8%	\$30.28	\$30.28	\$0.00	0.0%
4	400	20,000	ST	157	1.3%	\$37.70	\$37.70	\$0.00	0.0%
5	1,000	60,000	ST	372	0.0%	\$73.24	\$73.24	\$0.00	0.0%
6	250	11,000	FL	100	0.7%	\$31.28	\$31.28	\$0.00	0.0%
7	400	20,000	FL	157	0.9%	\$42.02	\$42.02	\$0.00	0.0%
8	1,000	60,000	FL	380	0.1%	\$74.79	\$74.79	\$0.00	0.0%
9	100	3,500	PB	48	4.0%	\$19.69	\$19.69	\$0.00	0.0%
10	175	7000	PB	71	0.6%	\$23.90	\$23.90	\$0.00	0.0%
High Pressure Sodium:									
11	50	4,000	ST	23	36.7%	\$16.73	\$16.73	\$0.00	0.0%
12	100	9,500	ST	48	1.3%	\$21.98	\$21.98	\$0.00	0.0%
13	150	16,000	ST	65	4.0%	\$25.72	\$25.72	\$0.00	0.0%
14	250	30,000	ST	102	13.2%	\$32.82	\$32.82	\$0.00	0.0%
15	400	50,000	ST	161	2.8%	\$45.75	\$45.75	\$0.00	0.0%
16	1,000	140,000	ST	380	1.6%	\$92.01	\$92.01	\$0.00	0.0%
17	150	16,000	FL	65	2.7%	\$26.72	\$26.72	\$0.00	0.0%
18	250	30,000	FL	102	3.9%	\$34.86	\$34.86	\$0.00	0.0%
19	400	50,000	FL	161	5.0%	\$46.26	\$46.26	\$0.00	0.0%
20	1,000	140,000	FL	380	2.5%	\$92.39	\$92.39	\$0.00	0.0%
21	50	4,000	PB	23	1.4%	\$16.44	\$16.44	\$0.00	0.0%
22	100	9,500	PB	48	0.9%	\$20.90	\$20.90	\$0.00	0.0%
Metal Halide									
23	175	8,800	ST	74	0.0%	\$26.89	\$26.89	\$0.00	0.0%
24	1,000	86,000	FL	374	0.5%	\$74.01	\$74.01	\$0.00	0.0%
LED									
25	35	3,000	AL	12	0.0%	\$15.00	\$15.00	\$0.00	0.0%
26	47	4,000	AL	16	0.0%	\$16.73	\$16.73	\$0.00	0.0%
27	30	3,300	ST	10	0.0%	\$15.03	\$15.03	\$0.00	0.0%
28	50	5,000	ST	17	0.0%	\$17.94	\$17.94	\$0.00	0.0%
29	100	11,000	ST	35	0.0%	\$21.81	\$21.81	\$0.00	0.0%
30	120	18,000	ST	42	0.0%	\$25.00	\$25.00	\$0.00	0.0%
31	140	18,000	ST	48	0.0%	\$31.03	\$31.03	\$0.00	0.0%
32	260	31,000	ST	90	0.0%	\$54.23	\$54.23	\$0.00	0.0%
33	70	10,000	FL	24	0.0%	\$21.38	\$21.38	\$0.00	0.0%
34	90	10,000	FL	31	0.0%	\$25.61	\$25.61	\$0.00	0.0%
35	110	15,000	FL	38	0.0%	\$30.24	\$30.24	\$0.00	0.0%
36	370	46,000	FL	128	0.0%	\$59.56	\$59.56	\$0.00	0.0%
Unitil Energy Systems, Inc. Rates - Effective 6/1/2022:									
Customer Charge		\$0.00		Unitil Energy Systems, Inc. Rates - Proposed 7/1/2022:					
		All kWh							
Distribution Charge		\$0.00000		Distribution Charge					
External Delivery Charge		\$0.02978		External Delivery Charge					
Stranded Cost Charge		(\$0.00002)		Stranded Cost Charge					
System Benefits Charge		\$0.00681		System Benefits Charge					
Storm Recovery Adjustment Factor		\$0.00000		Storm Recovery Adjustment Factor					
Fixed Default Service Charge		\$0.09370		Fixed Default Service Charge					
TOTAL		\$0.13027		TOTAL					
Luminaire Charges:									
Luminaire Charges:									
	Mercury Vapor Rate/Mo.	Sodium Vapor Rate/Mo.	Metal Halide Rate/Mo.	LED Rate/Mo.		Mercury Vapor Rate/Mo.	Sodium Vapor Rate/Mo.	Metal Halide Rate/Mo.	LED Rate/Mo.
1	\$13.73	11	\$13.73	25	\$13.44	1	\$13.73	11	\$13.44
2	\$15.73	12	\$15.73	26	\$14.65	2	\$15.73	12	\$14.65
3	\$17.25	13	\$17.25	27	\$13.73	3	\$17.25	13	\$17.25
4	\$17.25	14	\$19.53	28	\$15.73	4	\$17.25	14	\$19.53
5	\$24.78	15	\$24.78	29	\$17.25	5	\$24.78	15	\$24.78
6	\$18.25	16	\$42.51	30	\$19.53	6	\$18.25	16	\$42.51
7	\$21.57	17	\$18.25	31	\$24.78	7	\$21.57	17	\$18.25
8	\$25.29	18	\$21.57	32	\$42.51	8	\$25.29	18	\$21.57
9	\$13.44	19	\$25.29	33	\$18.25	9	\$13.44	19	\$25.29
10	\$14.65	20	\$42.89	34	\$21.57	10	\$14.65	20	\$21.57
		21	\$13.44	35	\$25.29			21	\$13.44
		22	\$14.65	36	\$42.89			22	\$14.65

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

Unitil Energy Systems, Inc.
Domestic Delivery Service
Schedule TOU-D Rate Development
Effective July 1, 2022

	Summer Volumetric Rates (1) June 1 - Nov 30	Ratios to Current Rate	Ratios Applied to July 1, 2022 Rates	Winter Volumetric Rates (1) Dec 1 - May 31	Ratios to Current Rate	Ratios Applied to July 1, 2022 Rates
1 Customer Charge:			\$ 16.22			\$ 16.22
2						
3	<i>Current Dist. Chg.</i>	<i>0.03558</i>	<i>7/1/22 Dist. Chg</i> \$ <i>0.04491</i>	<i>0.03558</i>		\$ <i>0.04491</i>
4 Distribution Charge:						
5 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.03138	0.88	\$ 0.03961	\$ 0.03060	0.86	\$ 0.03862
6 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.04433	1.25	\$ 0.05595	\$ 0.04195	1.18	\$ 0.05295
7 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.04004	1.13	\$ 0.05054	\$ 0.03619	1.02	\$ 0.04568
8						
9	<i>8/1/20 Trans Chg excl reconciliation and interest</i>	<i>0.03224</i>	<i>8/1/21 Trans Chg</i> \$ <i>0.03265</i>	<i>0.03224</i>		\$ <i>0.03265</i>
10 External Delivery Charge- Transmission:						
11 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ -		\$ -	\$ 0.00172	0.05	\$ 0.00174
12 Mid Peak kWh (M-F 6 am -3 pm excluding weekday holidays)	\$ 0.02070	0.64	\$ 0.02096	\$ 0.00370	0.11	\$ 0.00375
13 On Peak kWh (M-F 3 pm - 8 pm excluding weekday holidays)	\$ 0.13961	4.33	\$ 0.14139	\$ 0.16208	5.03	\$ 0.16414
14 All hours kWh - reconciliation and interest	\$ 0.00408		\$ (0.00152)	\$ 0.00408		\$ (0.00152)
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>0.09291</i>	<i>12/1/21 DS Chg.</i>	\$ <i>0.17518</i>
17 Default Service Charge:						
18 Off Peak kWh (M-F 8 pm - 6 am, all day weekends and weekday holidays)	\$ 0.05885	0.84	\$ 0.08492	\$ 0.05833	0.63	\$ 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
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
21						
22 External Delivery Charge - non Transmission (\$/kWh)			\$ (0.00135)			\$ (0.00135)
23 Stranded Cost Charge (\$/kWh)			\$ (0.00002)			\$ (0.00002)
24 System Benefits Charge (\$/kWh)			\$ 0.00681			\$ 0.00681
25 Storm Recovery Adjustment Factor (\$/kWh)			\$ -			\$ -
26						
27 Total kWh Charges:						
28 Off Peak kWh (8 pm - 6 am, and weekends/holidays)			\$ 0.12453			\$ 0.15035
29 Mid Peak kWh (6 am -3 pm, M-F)			\$ 0.18177			\$ 0.16875
30 On Peak kWh (3 pm - 8 pm, M-F)			\$ 0.57867			\$ 0.34465
31 All hours kWh			\$ 0.00392			\$ 0.00392
32						
33 (1) Time Of Use Rates - See DE 20-170 Exhibit 24 Revised, Attachment A Illustrative Rates						