

Unitil Energy Systems, Inc.  
 2021 Capital Additions Project List

Line	Year	Plant Type	Project Type	Auth	Growth (G)		Project Name	Plant Accounts	Install	Cost of			Plant In Service	Original Authorization	First Revision Authorization	Second Revision Authorization	Budget	Plant Account	Date Completed	
					Budget #	Non-Growth (NG)				Removal	Salvage	Plant In Service								
1	2021	Distribution	Specific	180167	DBBC	G	Three Phase, URD Line Ext., 250 Pleasant St., Concord	367	103	-	-	103	32,564				154,086	101	Jan-21	
2	2021	Distribution	Blanket	181000	BABE	NG	T&D Improvements	362,364,365,366,367,369, 371,373	-	30,843	(223)	30,620	713,766	1,806,600			1,830,168	101	Jan-21	
3	2021	Distribution	Blanket	181002	BCBE	NG	Outdoor Lighting	371, 373	-	2,110	(255)	1,855	152,571	240,600			317,856	101	Jan-21	
4	2021	Distribution	Blanket	190100	BABC	NG	T&D Improvements	362,364,365,366,367,369, 371,373	3	-	-	3	486,293	1,118,473			972,586	101	Jan-21	
5	2021	Distribution	Blanket	190102	BCBC	NG	Outdoor Lighting	371, 373	-	996	(368)	628	41,843	104,608		136,050	83,868	101	Jan-21	
6	2021	General	Specific	190147	ECFC	NG	Upgrade TS2 to PLX Infrastructure	397	957,187	-	-	957,187	987,862				987,862	106	Dec-21	
7	2021	Distribution	Specific	190153	DPBC	NG	Alton Woods Concord Cable injection	365	-	-	(125)	(125)	178,776				178,776	101	Aug-21	
8	2021	Distribution	Specific	190169	DPBC	NG	Replace Switchgear at Bridge St	365	339,556	45,061	-	384,618	472,923				187,723	101	Apr-21	
9	2021	Distribution	Specific	190171	DPBC	NG	7W3 - Install Regulators	365	(0)	5,494	(41)	5,453	52,756				52,756	101	Aug-21	
10	2021	Software	Specific	190179	GSC	NG	FCS Upgrade	303	19,175	-	-	19,175	76,615				68,900	106	Oct-21	
11	2021	Distribution	Specific	190198	DPNC	NG	374 Line Rebuild with 15kV Underbuild	364, 365, 366,367,369	91,763	-	-	91,763	1,066,000				-	106	Apr-21	
12	2021	Distribution	Blanket	191000	BABE	NG	T&D Improvements	362,364,365,366,367,369, 371,373	175	147	-	322	560,650	1,441,500			1,437,564	101	Various	
13	2021	Distribution	Blanket	191001	BBBE	G	New Customer Additions	364, 365, 369	263	-	-	263	170,171	386,200	445,728		386,753	106	Various	
14	2021	Distribution	Blanket	191002	BCBE	NG	Outdoor Lighting	371, 373	0	273	-	273	92,479	196,400			196,763	101	Various	
15	2021	Distribution	Blanket	191003	BDBE	NG	Emergency & Storm Restoration	362,364,365,366,367,369, 371,373	0	2,241	-	2,241	194,993	438,800	520,000		389,986	101	Various	
16	2021	Distribution	Blanket	191004	BEBE	NG	Billable Work	362,364,365,366,367,369, 371,373	(1)	3,019	18	3,037	112,570	325,300			288,642	101	Various	
17	2021	Distribution	Specific	191022	DPBE	NG	Porcelain Cutout Replacements	365	260,926	57,148	-	318,074	184,657	327,370			184,657	101	Jan-21	
18	2021	Distribution	Specific	191023	SPBE	NG	Stard Road - Replace SCADA RTU	362	2,186	-	-	2,186	50,211				50,211	101	Jan-21	
19	2021	Distribution	Specific	191040	DRBE	NG	Circuit 19X2 - Distribution Automation Scheme with Portsmouth Ave	365	2,088	21	-	2,109	205,291				799,818	101	Jan-21	
20	2021	Distribution	Specific	191056	DBBE	G	Three Phase, URD Line Ext., 315 Ocean Blvd., Hampton	364, 365, 366,367,369	986	90	(4,840)	(3,764)	9,336	18,986			207,130	101	Jan-21	
21	2021	Distribution	Specific	191058	DRBE	NG	Circuit 13W2, Install Reclosers, Various Locations, Newton	365	(50,921)	56,882	-	5,961	250,000				799,818	101	Feb-21	
22	2021	General	Specific	191060	GPBE	NG	Construction - New DOC Facility	390	1,199,094	-	-	1,199,094	15,931,474				15,500,000	106	Nov-21	
23	2021	Distribution	Specific	191071	SPBE	NG	Kingston - Modifications & Additions	362	4,469	-	-	4,469	56,290				56,290	101	Feb-21	
24	2021	Distribution	Blanket	200100	BABC	NG	T&D Improvements	362,364,365,366,367,369, 371,373	70,697	138,304	(1,085)	207,916	598,940	1,107,500	1,408,500		1,088,981	101 / 106	Various	
25	2021	Distribution	Blanket	200101	BBBC	G	New Customer Additions	364, 365, 369	63,060	7,414	(72)	70,402	152,038	493,400			380,094	101 / 106	Various	
26	2021	Distribution	Blanket	200102	BCBC	NG	Outdoor Lighting	371, 373	1,703	1,156	(525)	2,335	49,541	150,380			96,196	101	Various	
27	2021	Distribution	Blanket	200103	BDBC	NG	Emergency & Storm Restoration	362,364,365,366,367,369, 371,373	109,200	18,044	(6)	127,238	276,829	625,000	775,785		615,397	101	Various	
28	2021	Distribution	Blanket	200104	BEBC	NG	Billable Work	362,364,365,366,367,369, 371,373	26,868	22,975	(74)	49,769	90,666	220,000	291,069		188,888	101 / 106	Various	
29	2021	Distribution	Blanket	200105	BFBC	NG	Transformer Company/Conversion	368	(31,468)	33,642	-	2,173	50,437	84,062			310,000	406,130	101	Various
30	2021	Distribution	Blanket	200106	BGBC	G	Transformers Customer Requirements	368	6,640	-	-	6,640	333,632	881,000	1,163,177		821,176	101	Various	
31	2021	Distribution	Blanket	200107	BIBC	G	Meter Blanket Customer Requirements	371	(84,083)	85,210	-	1,127	466,553			466,553	101	Various		
32	2021	Distribution	Blanket	200108	BHBC	NG	Meter Blanket Company Requirements	371	7,812	-	-	7,812	174,888			174,888	101	Various		
33	2021	Distribution	Specific	200110	DPBC	NG	Distribution Pole Replacement	364,365,366,367,369, 371,373	0	163,828	(2,077)	161,751	646,838	1,476,465			646,838	101	Apr-21	
34	2021	Software	Specific	200113	GSC	NG	UES - Software Licenses	303	301,371	-	-	301,371	1,950,000	2,445,000			650,000	106	Dec-21	
35	2021	General	Specific	200117	EBBC	NG	Lab Equipment - Normal Additions and Replacements	395	1,083	-	-	1,083	7,000				7,000	101	Feb-21	
36	2021	Distribution	Specific	200124	DPBC	NG	Conversion in Downtown Concord - Part 2	366,367	424,394	89,221	(636)	512,979	721,847				721,847	101	Feb-21	
37	2021	General	Specific	200126	EAEBC	NG	Purchase and Replace Hot Line Tools	394	(549)	-	-	(549)	3,500				3,500	101	Feb-21	
38	2021	General	Specific	200127	EAEBC	NG	Tools, Shop & Garage - Normal Additions and Replacements	394	549	-	-	549	14,000	20,500			14,000	101	Feb-21	
39	2021	General	Specific	200130	EAEBC	NG	Normal Additions and Replacements - Tools and Equipment - Substation	394	650	-	-	650	10,000				10,000	101	Feb-21	
40	2021	Distribution	Specific	200132	SPBC	NG	Substation Stone Installation at W Portsmouth and Bow Bog S/S	361	10,321	-	-	10,321	56,008				56,008	101	Feb-21	
41	2021	Software	Specific	200134	GSC	NG	2020 IT Infrastructure Budget	303	60,270	-	-	60,270	1,389,451	1,748,027			1,389,451	101	Sep-21	
42	2021	Software	Specific	200135	GSC	NG	2020 Customer Facing Enhancements	303	51,895	-	-	51,895	874,202				874,202	101	Jun-21	
43	2021	Software	Specific	200136	GSC	NG	Metersense Upgrade 2020	303	2,052	-	-	2,052	15,850				15,850	101	Apr-21	
44	2021	Software	Specific	200137	GSC	NG	2020 Interface Enhancements	303	4,700	-	-	4,700	216,313				216,313	101	Jun-21	
45	2021	Software	Specific	200138	GSC	NG	Regulatory Work Blanket	303	11,061	-	-	11,061	47,244				39,804	101	Apr-21	
46	2021	Software	Specific	200140	GSC	NG	2020 General Software Enhancements	303	1,697	-	-	1,697	50,000				50,000	101	Apr-21	
47	2021	Software	Specific	200141	GSC	NG	Reporting Blanket	303	3,096	-	-	3,096	125,000				125,000	101	Dec-21	
48	2021	Software	Specific	200144	GSC	NG	DevOps Implementation Project	303	96,038	-	-	96,038	232,500	289,500			232,500	106	Apr-21	
49	2021	Distribution	Specific	200148	DBBC	NG	Relocate EL Infrastructure for Pedestrian Bridge-250 Pleasant St. Concord	364, 365, 366,367,369	369	-	-	369	-				99,765	101	Oct-21	
50	2021	Distribution	Specific	200149	DBBC	G	Single Phase URD Line Ext. Hamilton Ct. Bow-Billable	364, 365, 366,367,369	464	-	-	464	54,154				99,765	101	Feb-21	
51	2021	Distribution	Specific	200150	DBBC	G	Three Phase URD Line Ext. 1912 Dover Rd, Epsom -Billable	364, 365, 366,367,369	20,145	-	-	20,145	50,062				99,765	101	Oct-21	
52	2021	Distribution	Specific	200155	DRBC	NG	Knox Rd., Bow - Pole 56 - Install Fuse Saver	365	82	27	-	109	20,448				287,491	101	Jul-21	
53	2021	Distribution	Specific	200156	DRBC	NG	Main Street, Chichester - Pole 168 - Install Viper Recloser	365	87,957	23,046	-	111,003	115,308				287,491	101	Aug-21	
54	2021	Distribution	Specific	200157	DPBC	NG	37X1 Tap Pole Replacement	364,365,366,367,369, 371,373	129,985	32,614	-	162,598	220,530				220,530	101	Sep-21	
55	2021	Distribution	Specific	200159	DRBC	NG	Install Viper Recloser on Regional Dr - 8X5	365	96,830	32,277	-	129,106	112,412				287,491	101	Sep-21	
56	2021	Distribution	Specific	200160	DRBC	NG	Install Viper Recloser on Pleasant St - 6X3	365	96,037	-	-	96,037	106,482				287,491	101	Aug-21	
57	2021	Software	Specific	200167	GSC	NG	Power Plan Upgrade	303	20,485	-	-	20,485	459,678				320,000	101	Dec-21	
58	2021	Distribution	Specific	200172	DBBC	G	Single Phase URD Line Ext 35 Howards Ln, Epsom-Billable	364, 365, 366,367,369	4,724	-	-	4,724	10,736				99,865	101	Feb-21	
59	2021	Distribution	Specific	200173	DBBC	G	Replace Pole to accomodate Primary URD Riser-1 Minuteman Way, Concord-Billable	364, 365, 366,367,369	(11,466)	-	-	(11,466)	19,481	18,830			99,765	101	Nov-21	
60	2021	Distribution	Specific	200174	SPBC	NG	Bow Junction - Transformer High-Side Protection	362	186,771	2,214	-	188,986	253,554				253,554	101	Nov-21	
61	2021	Distribution	Specific	200175	DBBC	G	Single Phase URD Line Extension Welch Rd, Canterbury-Billable	364, 365, 366,367,369	(6,504)	-										

Docket No. DE 22-026  
 Revised Schedule CGKS-1 (2021 Cost Summary)  
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Line	Year	Plant Type	Project Type	Auth	Growth (G)		Project Name	Plant Accounts			Install	Cost of		Plant In Service	Original Authorization	First Revision Authorization	Second Revision Authorization	Budget	Plant Account	Date Completed
					Budget #	Non-Growth (NG)			Removal	Salvage										
81	2021	Distribution	Specific	201009	DPBE	NG	Distribution Pole Replacements	364,365,366,367,369, 371,373		25,435	218,191	(564)	243,062	1,071,612	1,416,613			1,071,613	101	Mar-21
82	2021	Distribution	Specific	201010	DPBE	NG	Circuit 22X1: Install Regulator Colby Road, Danville	365		1,370		136	-	1,506				45,170	101	Feb-21
83	2021	General	Specific	201013	EBBE	NG	Lab Equipment - Normal Additions and Replacements	395		6,559		-		6,559				7,000	101	Aug-21
84	2021	General	Specific	201015	EAE	NG	Tools, Shop & Garage – Normal Additions and Replacements	394		3,330		-		3,330				14,500	101	Aug-21
85	2021	General	Specific	201017	EAE	NG	Purchase and Replace Hot Line Tools	394		6,056		-		6,056				4,500	101	Dec-21
86	2021	General	Specific	201018	EAE	NG	Purchase and Replace Tools for New Truck #25	394		22,986		-		22,986				7,000	101 / 106	Dec-21
87	2021	General	Specific	201025	EAE	NG	Normal Additions and Replacements- Tools and Equipment Substation	394		1,449		-		1,449				10,000	101	Jun-21
88	2021	Distribution	Specific	201026	SPBE	NG	Substation Stone Installation, Various Locations	361		14,964		-		14,964				36,131	101	Jan-21
89	2021	Distribution	Specific	201040	DRBE	NG	Install Reclosers on the 3354 & 3343 Sub T Lines at Willow Road Tap	365		198,394		-		198,394				240,000	101	Jan-21
90	2021	Distribution	Specific	201041	DPBE	NG	Replace Four (4) H- Structures on the 3350 Sub-Transmission Line	364		(0)	53,548		-	53,548				461,125	101	Jan-21
91	2021	Distribution	Specific	201062	DBBE	G	Single Phase, URD Line Ext., off Timberswamp Rd., Hampton	364, 365, 366,367,369		130,921		-		130,921				129,580	101	Apr-21
92	2021	Distribution	Specific	201067	DBBE	G	Three Phase, URD Line Ext., 152 Drinkwater Rd., Kensington	364, 365, 366,367,369		22,593	1,782			24,375				34,995	101	Jan-21
93	2021	Distribution	Specific	201068	DPBE	NG	Circuit 58X1 - Convert Main Street, Plaistow	364, 365		275,797	53,132	(53)		328,875	425,000			373,726	101	Jun-21
94	2021	Distribution	Specific	201069	DBBE	G	Three Phase, URD Line Ext., 431-435 Ocean Blvd., Hampton	364, 365, 366,367,369		31,359	1,220	(229)		32,349				29,339	101	Oct-21
95	2021	Distribution	Specific	201073	DBBE	G	Three Phase, URD Line Ext., 601 Lafayette Rd., Seabrook	364, 365, 366,367,369		35,330	10,656			45,986				63,899	101	Jun-21
96	2021	Distribution	Specific	201074	DBBE	G	Three Phase, URD Line Ext., 89 Holland Way, Exeter	364, 365, 366,367,369		3,285				3,285				27,219	101	Feb-21
97	2021	Distribution	Specific	201075	DABE	NG	Relocation of Poles, 601 Lafayette Rd., Seabrook15X1	364,365, 369		(5,659)	6,015	(279)		77				29,427	101	Jun-21
98	2021	Distribution	Specific	201077	DPBE	NG	Town of Exeter, Sidewalk Installations, Relocate Poles	364, 365		77,824				77,824				72,725	101	Feb-21
99	2021	Distribution	Specific	201082	DBBE	G	Single Phase, URD Line Ext., 219 Hilldale Ave., South Hampton	364, 365, 366,367,369		17,942				17,942				29,453	101	Jan-21
100	2021	Distribution	Specific	201088	DPNE	NG	Replace Damaged 18X1R2 Recloser, Timberswamp Rd., Hampton	365		57,379	4,223	(65)		61,537				65,000	101	Sep-21
101	2021	Distribution	Specific	201093	DBBE	G	Single Phase, URD Line Ext., 25 Depot Rd., Hampton Falls	364, 365, 366,367,369		505				505				12,829	101	May-21
102	2021	Distribution	Specific	201094	DBBE	G	Three Phase, URD Line Ext., 537 Ocean Blvd., Hampton	364, 365, 366,367,369		19,260				19,260				240,968	101	Apr-21
103	2021	Distribution	Blanket	210100	BABC	NG	T&D Improvements	362,364,365,366,367,369, 371,373		957,177	102,879	(128)	1,059,928	583,397	1,375,500			1,166,794	101 / 106	Various
104	2021	Distribution	Blanket	210101	BBBC	G	New Customer Additions	364, 365, 369		511,431	25,740		537,171	180,782	470,400			401,738	101 / 106	Various
105	2021	Distribution	Blanket	210102	BCBC	NG	Outdoor Lighting	371, 373		97,274	8,329	(4,563)	101,040	56,876	116,200			103,410	101 / 106	Various
106	2021	Distribution	Blanket	210103	BDBC	NG	Emergency & Storm Restoration	362,364,365,366,367,369, 371,373		863,521	70,680		934,202	298,595	816,100			663,545	101 / 106	Various
107	2021	Distribution	Blanket	210104	BEBC	NG	Billable Work	362,364,365,366,367,369, 371,373		281,673	29,383		311,056	107,016	272,600			214,031	101 / 106	Various
108	2021	Distribution	Blanket	210105	BFBC	NG	Transformer Company/Conversion	368		51,572				86,600				88,611	106	Various
109	2021	Distribution	Blanket	210106	BGBC	G	Transformers Customer Requirements	368		1,297,233			1,297,233	335,868	880,300			746,373	106	Various
110	2021	Distribution	Blanket	210107	BIBC	G	Meter Blanket Customer Requirements	371		255,950			255,950	405,171				405,171	106	Various
111	2021	Distribution	Blanket	210108	BHBC	NG	Meter Blanket Company Requirements	371		109,648			109,648	176,203				176,203	106	Various
112	2021	Distribution	Specific	210109	SPBC	NG	Replace 13W2 Circuit Position Regulators	362		88,132			88,132	264,346				264,346	106	Dec-21
113	2021	Distribution	Specific	210110	DPBC	NG	Distribution Pole Replacement	364,365,366,367,369, 371,373		956,424			956,424	685,200	1,043,865			685,200	106	Dec-21
114	2021	Software	Specific	210113	GSC	NG	2021 Infrastructure PC & Network	303		308,923			308,923	925,252	1,085,252			855,252	106	Dec-21
115	2021	Distribution	Specific	210114	DBBC	G	Three Phase OH to URD Line Ext 51 Antrim St, Concord Billable	364, 365, 366,367,369		9,050			9,050	37,948				203,057	101	Apr-21
116	2021	Distribution	Specific	210115	DPBC	NG	37 Line - Reconductor Penacook to Maccoy St Tap	364, 365		858,692			858,692	1,041,622				1,041,622	106	Nov-21
117	2021	Distribution	Specific	210116	DBBC	G	Three Phase OH/UG Line Extension 830 N Pembroke Rd, Concord	364, 365, 366,367,369		38,076			38,076	42,792				203,057	101	Apr-21
118	2021	General	Specific	210117	EAE	NG	Purchase and Replace Rubber Goods	394		1,045			1,045	6,000				6,000	106	Dec-21
119	2021	General	Specific	210118	EAE	NG	Purchase and Replace Hot Line Tools	394		4,312			4,312	4,000				4,000	101	Sep-21
120	2021	General	Specific	210119	EAE	NG	Tools, Shop & Garage - Normal Additions and Replacements	394		14,154			14,154	14,500				14,500	101	Sep-21
121	2021	General	Specific	210120	GPBC	NG	Normal Improvements to Capital Facility	390		21,162			21,162	18,000				18,000	106	Sep-21
122	2021	General	Specific	210121	EDEC	NG	Office Furn & Equip - Normal Replacement & Additions	391		2,630			2,630	3,000				3,000	106	Dec-21
123	2021	Distribution	Specific	210122	SPBC	NG	Replace Fence Sections at Langdon, Boscawen and Penacook S/S	362		26,154			26,154	68,664				68,664	106	Dec-21
124	2021	General	Specific	210123	EAE	NG	Normal Additions and Replacements - Tools and Equipment - Substation	394		11,781			11,781	12,000				12,000	101	Dec-21
125	2021	General	Specific	210124	EAE	NG	Purchase OMICRON ARCO Recloser Test Set	395		30,607			30,607	31,800				31,800	101	Dec-21
126	2021	Distribution	Specific	210129	SPBC	NG	Iron Works 22W1 Control Replacement	362		13,251	2,886		16,137	34,159				34,159	101	Dec-21
127	2021	Distribution	Specific	210130	DPBC	NG	Porcelain Cutout Replacements	364, 365		497,474	5,038		502,512	223,010	490,500			223,010	101	Nov-21
128	2021	General	Specific	210131	EAE	NG	Normal additions & replacement - tools & equipment Metering	394		2,932			2,932	7,000				7,000	106	Dec-21
129	2021	General	Specific	210132	EBBC	NG	Lab Equipment - Normal Additions and Replacements	395		1,000			1,000	7,000				7,000	106	Dec-21
130	2021	General	Specific	210135	EAE	NG	Purchase Omicron Power Factor Test Set	395		85,038			85,038	85,038				77,000	101	Sep-21
131	2021	Software	Specific	210136	GSC	NG	2021 Customer Facing Enhancements	303		173,635			173,635	1,067,465				1,067,465	106	Dec-21
132	2021	Software	Specific	210137	GSC	NG	2021 Cyber Security Enhancements	303		9,797			9,797	45,000				45,000	106	Dec-21
133	2021	Distribution	Specific	210140	DRBC	NG	Installer Viper Recloser and Switches	365		91,211			91,211	136,014				460,939	106	Aug-21
134	2021	Software	Specific	210141	GSC	NG	2021 Reporting Blanket	303		49,901			49,901	100,000				100,000	106	Dec-21
135	2021	Software	Specific	210142	GSC	NG	2021 General Software Enhancements	303		23,798			23,798	75,000				75,000	106	Dec-21
136	2021	Distribution	Specific	210143	DRBC	NG	Install Fuse Saver - West Portsmouth St., Concord	365		7,378			7,378	13,369				460,939	101	May-21
137	2021	Distribution	Specific	210144	DRBC	NG	Instal (3) Fuse Savers - Rocky Point Dr., Bow	365		12,373	4,113		16,486	40,327				460,939	101	May-21
138	2021	Distribution	Specific	210145	DRBC	NG	Install Fuse Saver - Old Turnpike Rd., Salisbury	365		15,369	3,742		19,110	29,519				460,939	101	May-21
139	2021	Distribution	Specific	210146	DRBC	NG	Install Fuse Saver - Borough Rd., Canterbury	365		12,285	3,421		15,706	22,291				460,939	101	May-21
140	2021	Distribution	Specific	210148	DRBC	NG	Install Fuse Saver - Elm Street, Penacook	365		14,316	3,952		18,268	19,900				460,939	101	May-21
141	2021	Software	Specific	210150	GSC	NG	WebOps Modernization	303		25,974										



Unitil Energy Systems, Inc.  
2022 Step Adjustment

Line No.	Rate Effective Date	Description	6/1/2022	Total	Growth	Non-Growth	Growth Source	Non-Growth Source
			AS FILED	Investment Year 2021	Investment Year 2021	Investment Year 2021		
			(a)	(b)	(c)	(d)	(e)	(f)
1		Beginning Utility Plant <sup>(1)</sup>	\$ 407,914,123	\$ 407,914,123				
2		Plant Additions <sup>(2)</sup>	22,889,867	22,889,867	5,709,229	17,180,638	Revised Sch CGKS-1, Line 202	Revised Sch CGKS-1 <sup>(2)</sup> , 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	425,646,261	4,454,418	13,277,720		
5		Beginning Accumulated Depreciation <sup>(3)</sup>	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	280,003,109	2,328,186	7,819,887		
11		Change in Net Plant	10,148,073	10,148,073	2,328,186	7,819,887		
12		Non-Growth % Change in Net Plant <sup>(4)</sup>	76%	n/a	n/a	n/a		
13		Change in Net Plant	7,679,174	10,148,073	2,328,186	7,819,887		
14		Pre-Tax Rate of Return	9.19%	9.19%	9.19%	9.19%		
15		Return and Taxes	705,638	932,505	213,937	718,568		
16		Depreciation Expense on Non-Growth Plant Additions at <sup>(5)</sup>	3.35% 580,496	767,129	191,339	575,791		
17		Property Taxes on Non-Growth Change in Net Plant at <sup>(6)</sup>	0.66% 50,683	66,977	15,366	51,611		
18		Amortization on Post-Test-Year Projects	39,969	39,969	-	39,969		
19		Revenue Requirement Increase	\$ 1,376,786	\$ 1,806,580	\$ 420,641	\$ 1,385,939		
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)				\$ 1,377,331		

Notes:

- (1) Beginning utility plant corresponds to Schedule RevReq-4, Column 5, Line 1  
(2) June 1, 2022 excludes \$577,144 of post-test year adjustments included in Schedule RevReq-4-4  
(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

## 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

## 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

**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 <sup>(1)</sup>	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	<u>100.00%</u>		<u>7.42%</u>		<u>9.19%</u>

**Notes:**

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

**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 Revenue Apportionment**

Docket No. DE 22-026  
Revised Schedule CGKS-6  
Page 1 of 1

	<b>Total Company<sup>(1)</sup></b>	<b>D - Domestic Delivery Service</b>	<b>G2 - Regular General Service</b>	<b>G1 - Large General Service</b>	<b>Outdoor Lighting</b>
1 <b>Current Margin Revenue</b>	58,056,553	31,580,284	16,916,360	7,736,414	1,823,495
2 <b>Revenue to Cost Ratio Under Current Rates</b>	0.83	0.64	1.27	1.33	1.32
3 <b>Parity Ratio</b>	1.00	0.77	1.53	1.61	1.59
4 <b>Settlement: Domestic Class Increase of 125% of System Average</b>					
5 Domestic 125% of system average increase		125%	75%	75%	0%
6 Revenue Increase <sup>(2)</sup>	5,883,395	4,000,395	1,292,087	590,914	0
7 Total revenue at 125% system average for Domestic	63,939,948	35,580,679	18,208,446	8,327,328	1,823,495
8 Percent Increase	10.13%	12.67%	7.64%	7.64%	0.00%
9 <b>2022 Step Adjustment (Step 1) Increase:</b>					
10 Revenue Increase	1,377,331	788,943	403,743	184,645	0
11 Total Revenue including illustrative Step 1 increase	65,317,279	36,369,622	18,612,189	8,511,973	1,823,495
12 Percent Increase	2.15%	2.22%	2.22%	2.22%	0.00%

Notes:

(1) Amounts in Revised Schedule CGKS-8 are off due to rounding of rates

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

UNITIL ENERGY SYSTEMS, INC.  
2022 Step Adjustment Rate Design

Row	Description	Units	Test Year 2020 Bill Units	Actual Rates & Revenue		Bill Units	Settlement Proposed Rates & Revenue		Difference Over Prior		2022 Step Adj Proposed Rates & Revenue		Difference Over Prior	
				Rate	Revenue		Rate	Revenue	Amount	%	Rate	Revenue	Amount	%
A	B	C	D	E	F	G	H	I	J	K	L	M	O	P
1	<b>Domestic</b>													
2	Customer Charge		815,280	\$16.22	\$ 13,223,834	815,280	\$16.22	\$ 13,223,834	\$ -	0.0%	\$16.22	\$ 13,223,834	\$ -	0.0%
3	Energy Charge	kWh	515,968,592	\$ 0.03558	\$ 18,358,163	515,968,592	\$ 0.04333	\$ 22,356,919	\$ 3,998,757	21.8%	\$ 0.04486	\$ 23,146,351	\$ 789,432	3.5%
4	Subtotal: Domestic				\$ 31,581,996			\$ 35,580,753				\$ 36,370,185		
5	Total Schedule D				\$ 31,581,996			\$ 35,580,753	\$ 3,998,757	12.7%		\$ 36,370,185	\$ 789,432	2.2%
6	<b>G2 - kWh</b>													
7	Customer Charge		4,543	\$18.38	\$ 83,500	4,543	\$18.38	\$ 83,500	\$ -	0.0%	\$18.38	\$ 83,500	\$ -	0.0%
8	Energy Charge	kWh	438,744	\$ 0.00883	\$ 3,874	438,744	\$ 0.02404	\$ 10,547	\$ 6,673	172.3%	\$ 0.02879	\$ 12,631	\$ 2,084	19.8%
9	Subtotal G2 kWh				\$ 87,374			\$ 94,048	\$ 6,673	7.6%		\$ 96,132	\$ 2,084	2.2%
10	<b>G2 QR WH /SH</b>													
11	Customer Charge		3,089	\$9.73	\$ 30,056	3,089	\$9.73	\$ 30,056	\$ -	0.0%	\$9.73	\$ 30,056	\$ -	0.0%
12	Energy Charge	kWh	4,483,579	\$ 0.03204	\$ 143,654	4,483,579	\$ 0.03500	\$ 156,925	\$ 13,271	9.2%	\$ 0.03592	\$ 161,050	\$ 4,125	2.6%
13	Subtotal G2 QR WH/SH		7,632		\$ 173,710	7,632		\$ 186,981	\$ 13,271	7.6%		\$ 191,106	\$ 4,125	2.2%
14	<b>G2 Demand</b>													
15	Customer Charge		126,712	\$ 29.19	\$ 3,698,724	126,712	\$ 29.19	\$ 3,698,724	\$ -	0.0%	\$ 29.19	\$ 3,698,724	\$ -	0.0%
16	Demand Charge	kW	1,234,532	\$ 10.51	\$ 12,974,933	1,234,532	\$ 11.54	\$ 14,246,502	\$ 1,271,568	9.8%	\$ 11.86	\$ 14,641,552	\$ 395,050	2.8%
17	Transformer Ownership credit	kW	36,843	\$ (0.50)	\$ (18,421)	36,843	\$ (0.50)	\$ (18,421)	\$ -	0.0%	\$ (0.50)	\$ (18,421)	\$ -	0.0%
18	Energy Charge	kWh	312,134,498	\$ -	\$ -	312,134,498	\$ -	\$ -	\$ -	0.0%	\$ -	\$ -	\$ -	0.0%
19	Subtotal G2 Demand				\$ 16,655,236			\$ 17,926,804	\$ 1,271,568	7.6%		\$ 18,321,854	\$ 395,050	2.2%
20	Total G2				\$ 16,916,320			\$ 18,207,833	\$ 1,291,513	7.6%		\$ 18,609,092	\$ 401,259	2.2%
21	<b>G1</b>													
22	Customer Charge													
23	Secondary		1,615	\$ 162.18	\$ 261,921	1,615	\$ 162.18	\$ 261,921	\$ -	0.0%	\$ 162.18	\$ 261,921	\$ -	0.0%
24	Primary		395	\$ 86.49	\$ 34,164	395	\$ 86.49	\$ 34,164	\$ -	0.0%	\$ 86.49	\$ 34,164	\$ -	0.0%
25	Subtotal: Customer Charge				\$ 296,084			\$ 296,084	\$ -	0.0%		\$ 296,084	\$ -	0.0%
26	Demand Charge	kVA	1,000,283	\$ 7.60	\$ 7,602,153	1,000,283	\$ 8.19	\$ 8,192,320	\$ 590,167	7.8%	\$ 8.37	\$ 8,372,371	\$ 180,051	2.2%
27	Energy Charge	kWh	319,767,459	\$ -	\$ -	319,767,459	\$ -	\$ -	\$ -	0.0%	\$ -	\$ -	\$ -	0.0%
28	Transformer Ownership credit	kVA	323,647	\$ (0.50)	\$ (161,824)	323,647	\$ (0.50)	\$ (161,824)	\$ -	0.0%	\$ (0.50)	\$ (161,824)	\$ -	0.0%
29	Total G1				\$ 7,736,414			\$ 8,326,581	\$ 590,167	7.6%		\$ 8,506,632	\$ 180,051	2.2%
30	<b>OL</b>													
31	100W Mercury Vapor Street		13,919	\$ 13.28	\$ 184,842	13,919	\$ 13.73	\$ 191,071	\$ 6,230	3.4%	\$ 13.73	\$ 191,071	\$ -	0.0%
32	175W Mercury Vapor Street		793	\$ 15.75	\$ 12,493	793	\$ 15.73	\$ 12,481	\$ (12)	-0.1%	\$ 15.73	\$ 12,481	\$ -	0.0%
33	250W Mercury Vapor Street		771	\$ 17.85	\$ 13,754	771	\$ 17.25	\$ 13,294	\$ (459)	-3.3%	\$ 17.25	\$ 13,294	\$ -	0.0%
34	400W Mercury Vapor Street		1,298	\$ 21.25	\$ 27,584	1,298	\$ 17.25	\$ 22,397	\$ (5,187)	-18.8%	\$ 17.25	\$ 22,397	\$ -	0.0%
35	1000W Mercury Vapor Street		24	\$ 42.19	\$ 1,013	24	\$ 24.78	\$ 595	\$ (418)	-41.3%	\$ 24.78	\$ 595	\$ -	0.0%
36	250W Mercury Vapor Flood		665	\$ 19.02	\$ 12,652	665	\$ 18.25	\$ 12,143	\$ (509)	-4.0%	\$ 18.25	\$ 12,143	\$ -	0.0%
37	400W Mercury Vapor Flood		901	\$ 22.75	\$ 20,505	901	\$ 21.57	\$ 19,445	\$ (1,060)	-5.2%	\$ 21.57	\$ 19,445	\$ -	0.0%
38	1000W Mercury Vapor Flood		144	\$ 37.70	\$ 5,429	144	\$ 25.29	\$ 3,641	\$ (1,787)	-32.9%	\$ 25.29	\$ 3,641	\$ -	0.0%
39	100W Mercury Vapor Power Bracket		3,894	\$ 13.41	\$ 52,213	3,894	\$ 13.44	\$ 52,339	\$ 126	0.2%	\$ 13.44	\$ 52,339	\$ -	0.0%
40	175W Mercury Vapor Power Bracket		557	\$ 14.87	\$ 8,277	557	\$ 14.65	\$ 8,154	\$ (123)	-1.5%	\$ 14.65	\$ 8,154	\$ -	0.0%
41	50W Sodium Vapor Street		35,908	\$ 13.52	\$ 485,479	35,908	\$ 13.73	\$ 492,933	\$ 7,453	1.5%	\$ 13.73	\$ 492,933	\$ -	0.0%
42	100W Sodium Vapor Street		1,309	\$ 15.22	\$ 19,930	1,309	\$ 15.73	\$ 20,604	\$ 674	3.4%	\$ 15.73	\$ 20,604	\$ -	0.0%
43	150W Sodium Vapor Street		3,906	\$ 15.28	\$ 59,691	3,906	\$ 17.25	\$ 67,402	\$ 7,711	12.9%	\$ 17.25	\$ 67,402	\$ -	0.0%
44	250W Sodium Vapor Street		12,893	\$ 19.14	\$ 246,776	12,893	\$ 19.53	\$ 251,813	\$ 5,037	2.0%	\$ 19.53	\$ 251,813	\$ -	0.0%
45	400W Sodium Vapor Street		2,711	\$ 24.13	\$ 65,421	2,711	\$ 24.78	\$ 67,195	\$ 1,774	2.7%	\$ 24.78	\$ 67,195	\$ -	0.0%

UNITIL ENERGY SYSTEMS, INC.  
2022 Step Adjustment Rate Design

Row	Description	Units	Test Year 2020		Actual Rates & Revenue		Bill Units	Settlement Proposed Rates & Revenue		Difference Over Prior		2022 Step Adj Proposed Rates & Revenue		Difference Over Prior	
			Bill Units	Rate	Revenue	Rate		Revenue	Amount	%	Rate	Revenue	Amount	%	
A	B	C	D	E	F	G	H	I	J	K	L	M	O	P	
46	1000W Sodium Vapor Street		1,606	\$ 41.66	\$ 66,885	1,606	\$ 42.51	\$ 68,250	\$ 1,365	2.0%	\$ 42.51	\$ 68,250	\$ -	0.0%	
47	150W Sodium Vapor Flood		2,690	\$ 17.61	\$ 47,379	2,690	\$ 18.25	\$ 49,114	\$ 1,734	3.7%	\$ 18.25	\$ 49,114	\$ -	0.0%	
48	250W Sodium Vapor Flood		3,790	\$ 20.76	\$ 78,671	3,790	\$ 21.57	\$ 81,756	\$ 3,084	3.9%	\$ 21.57	\$ 81,756	\$ -	0.0%	
49	400W Sodium Vapor Flood		4,857	\$ 23.58	\$ 114,525	4,857	\$ 25.29	\$ 122,818	\$ 8,293	7.2%	\$ 25.29	\$ 122,818	\$ -	0.0%	
50	1000W Sodium Vapor Flood		2,467	\$ 42.03	\$ 103,675	2,467	\$ 42.89	\$ 105,791	\$ 2,116	2.0%	\$ 42.89	\$ 105,791	\$ -	0.0%	
51	50W Sodium Vapor Power Bracket		1,387	\$ 12.51	\$ 17,355	1,387	\$ 13.44	\$ 18,649	\$ 1,294	7.5%	\$ 13.44	\$ 18,649	\$ -	0.0%	
52	100W Sodium Vapor Power Bracket		904	\$ 14.04	\$ 12,691	904	\$ 14.65	\$ 13,242	\$ 551	4.3%	\$ 14.65	\$ 13,242	\$ -	0.0%	
53	175W Metal Halide Street		1	\$ 19.91	\$ 20	1	\$ 17.25	\$ 17	\$ (3)	-13.3%	\$ 17.25	\$ 17	\$ -	0.0%	
54	250W Metal Halide Street		0	\$ 21.65	\$ -	0	Discontinued				Discontinued				
55	400W Metal Halide Street		0	\$ 22.45	\$ -	0	Discontinued				Discontinued				
56	175W Metal Halide Flood		0	\$ 23.00	\$ -	0	Discontinued				Discontinued				
57	250W Metal Halide Flood		0	\$ 24.83	\$ -	0	Discontinued				Discontinued				
58	400W Metal Halide Flood		0	\$ 24.88	\$ -	0	Discontinued				Discontinued				
59	175W Metal Halide Power Bracket		0	\$ 18.63	\$ -	0	Discontinued				Discontinued				
60	250W Metal Halide Power Bracket		0	\$ 19.81	\$ -	0	Discontinued				Discontinued				
61	400W Metal Halide Power Bracket		0	\$ 21.17	\$ -	0	Discontinued				Discontinued				
62	1000W Metal Halide Flood (Contracts)		535	\$ 32.22	\$ 17,222	535	\$ 25.29	\$ 13,516	\$ (3,705)	-21.5%	\$ 25.29	\$ 13,516	\$ -	0.0%	
63	<b>LED</b>														
64	42W 3780 K LED Area Light Fixture		0	\$ 13.16	\$ -	0	Discontinued				Discontinued				
65	57W 5130K LED Area Light Fixture		0	\$ 13.21	\$ -	0	Discontinued				Discontinued				
66	25W 2500K LED Cobra Head Fixture		0	\$ 13.11	\$ -	0	Discontinued				Discontinued				
67	88W 8800K LED Cobra Head Fixture		0	\$ 13.30	\$ -	0	Discontinued				Discontinued				
68	108W 10800K LED Cobra Head Fixture		0	\$ 13.36	\$ -	0	Discontinued				Discontinued				
69	193W 19300K LED Cobra Head Fixture		0	\$ 13.62	\$ -	0	Discontinued				Discontinued				
70	123W 11070K LED Flood Light Fixture		0	\$ 13.41	\$ -	0	Discontinued				Discontinued				
71	227W 20340K LED Flood Light Fixture		0	\$ 13.62	\$ -	0	Discontinued				Discontinued				
72	365W 32850K LED Flood Light Fixture		0	\$ 13.93	\$ -	0	Discontinued				Discontinued				
73	<b>Company Paid LED Fixture</b>														
74	STREETLIGHT LED 30W						\$ 13.73				\$ 13.73				
75	STREETLIGHT LED 50W						\$ 15.73				\$ 15.73				
76	STREETLIGHT LED 100W						\$ 17.25				\$ 17.25				
77	STREETLIGHT LED 120W						\$ 19.53				\$ 19.53				
78	STREETLIGHT LED 140W						\$ 24.78				\$ 24.78				
79	STREETLIGHT LED 260W						\$ 42.51				\$ 42.51				
80	YARDLIGHT LED 35W						\$ 13.44				\$ 13.44				
81	YARDLIGHT LED 47W						\$ 14.65				\$ 14.65				
82	FLOODLIGHT LED 70W						\$ 18.25				\$ 18.25				
83	FLOODLIGHT LED 90W						\$ 21.57				\$ 21.57				
84	FLOODLIGHT LED 110W						\$ 25.29				\$ 25.29				
85	FLOODLIGHT LED 370W						\$ 42.89				\$ 42.89				
86	<b>Customer Paid LED Fixture</b>														
87	STREETLIGHT LED 30W						\$ 9.71				\$ 9.71				
88	STREETLIGHT LED 50W						\$ 11.92				\$ 11.92				
89	STREETLIGHT LED 100W						\$ 12.48				\$ 12.48				
90	STREETLIGHT LED 120W						\$ 14.76				\$ 14.76				
91	STREETLIGHT LED 140W						\$ 17.83				\$ 17.83				
92	STREETLIGHT LED 260W						\$ 33.56				\$ 33.56				
93	YARDLIGHT LED 35W						\$ 7.00				\$ 7.00				
94	YARDLIGHT LED 47W						\$ 8.21				\$ 8.21				
95	FLOODLIGHT LED 70W						\$ 11.24				\$ 11.24				
96	FLOODLIGHT LED 90W						\$ 14.56				\$ 14.56				
97	FLOODLIGHT LED 110W						\$ 17.36				\$ 17.36				
98	FLOODLIGHT LED 370W						\$ 27.00				\$ 27.00				
99	Special Agreement Customer Installed LED		10,671	per contracts	\$ 140,376	10,671	per contracts	\$ 106,541	\$ (33,835)	-24.1%	per contracts	\$ 106,541	\$ -	0.0%	
100	Pole Charges				\$ 8,639			\$ 8,639	\$ -	0.0%		\$ 8,639	\$ -	0.0%	
101	Total OL				\$ 1,823,495			\$ 1,823,840	\$ 345	0.0%		\$ 1,823,840	\$ -	0.0%	
102	Total System				\$ 58,058,225			\$ 63,939,006	\$ 5,880,781	10.1%		\$ 65,309,749	\$ 1,370,742		

**Unitil Energy Systems, Inc.  
 Decoupling  
 Target Distribution Revenues**

Distribution Revenues		Effective June 1, 2022
Test Year Distribution Revenues	\$	58,058,225
Permanent Rate Increase <sup>(1)</sup>		5,880,781
Distribution Revenues	\$	<u>63,939,006</u>
Step Adjustment Increase		1,370,742
Target Distribution Revenues	\$	<u><u>65,309,749</u></u>

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

Distribution Revenues For Decoupling		Effective June 1, 2022
Test Year Distribution Revenues	\$	56,234,730
Rate Increase		5,880,437
Distribution Revenues	\$	<u>62,115,167</u>
Step Adjustment Increase		1,370,742
Target Distribution Revenues	\$	<u><u>63,485,909</u></u>

**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 <sup>(1)</sup> June 1, 2022-May 31, 2023 <sup>(2)</sup>	Residential	Regular General			Large General	Lighting	Total
	D	G2	G2 - kWh Meter	QRWH	G1	OL <sup>(5)</sup>	
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 <sup>(3)</sup>	\$ 35,580,753	\$ 17,926,804	\$ 94,048	\$ 186,981	\$ 8,326,581	\$ 1,823,840	\$ 63,939,006
Add: Step Increase	789,432	395,050	2,084	4,125	180,051	-	1,370,742
Target Distribution Revenues <sup>(4)</sup>	\$ 36,370,185	\$ 18,321,854	\$ 96,132	\$ 191,106	\$ 8,506,632	\$ 1,823,840	\$ 65,309,749

**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 Revised Schedule CGKS-7
- (5) Outdoor Lighting is excluded from Decoupling

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

Effective June 1, 2022-May 31, 2023 Target Distribution Revenues	Residential		Regular General			Large General	Lighting	Total
	D	G2	G2 - kWh Meter	QRWH	G1	OL		
June	\$ 3,043,364	\$ 1,566,587	\$ 7,883	\$ 10,276	\$ 733,806	\$ 152,547	\$ 5,514,463	
July	3,508,674	1,664,425	7,918	12,927	752,787	152,541	6,099,272	
August	3,702,302	1,711,878	7,924	14,714	765,812	152,485	6,355,116	
September	3,144,369	1,659,270	7,904	12,626	737,311	151,956	5,713,437	
October	2,542,890	1,567,580	7,773	8,892	706,661	150,741	4,984,537	
November	2,666,413	1,476,047	7,794	12,326	687,235	150,293	5,000,107	
December	3,116,548	1,457,509	7,998	18,785	674,540	149,533	5,424,913	
January	3,234,724	1,511,726	8,436	26,130	690,730	153,514	5,625,260	
February	3,034,921	1,506,137	8,309	24,895	686,871	152,720	5,413,854	
March	2,963,549	1,517,722	8,289	22,620	692,213	152,748	5,357,140	
April	2,743,481	1,342,406	8,020	15,219	687,878	152,723	4,949,727	
May	2,668,951	1,340,566	7,883	11,697	690,789	152,038	4,871,924	
12ME May	\$ 36,370,185	\$ 18,321,854	\$ 96,132	\$ 191,106	\$ 8,506,632	\$ 1,823,840	\$ 65,309,749	

Effective June 1, 2022-May 31, 2023 Test Year Bills	Residential		Regular General			Large General	Lighting	Total
	D	G2	G2 - kWh Meter	QRWH	G1	OL		
June	68,499	10,629	378	258	168	1,550	81,482	
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	815,280	126,712	4,543	3,089	2,010	18,592	970,226	

Effective June 1, 2022-May 31, 2023 Monthly Revenue Per Customer	Residential		Regular General			Large General
	D	G2	G2 - kWh Meter	QRWH	G1	
June	\$ 44.43	\$ 147.39	\$ 20.86	\$ 39.83	\$ 4,367.90	
July	\$ 51.07	\$ 156.71	\$ 20.89	\$ 50.10	\$ 4,480.87	
August	\$ 53.95	\$ 160.55	\$ 21.02	\$ 57.48	\$ 4,531.43	
September	\$ 45.27	\$ 154.97	\$ 20.97	\$ 49.13	\$ 4,388.75	
October	\$ 37.26	\$ 147.50	\$ 20.51	\$ 34.60	\$ 4,206.31	
November	\$ 39.28	\$ 139.93	\$ 20.78	\$ 48.34	\$ 4,090.68	
December	\$ 46.13	\$ 138.55	\$ 21.50	\$ 74.55	\$ 4,039.16	
January	\$ 48.27	\$ 144.26	\$ 22.08	\$ 99.73	\$ 4,161.03	
February	\$ 45.33	\$ 143.87	\$ 21.75	\$ 95.75	\$ 4,137.78	
March	\$ 44.14	\$ 144.96	\$ 21.64	\$ 87.00	\$ 4,144.99	
April	\$ 40.93	\$ 128.19	\$ 21.11	\$ 58.99	\$ 4,119.03	
May	\$ 39.15	\$ 127.60	\$ 20.80	\$ 45.69	\$ 4,111.84	

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

Line No.		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	<b>Residential - D</b>													
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	June 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	\$0.04486	\$0.04486	\$0.04486	\$0.04486	\$0.04486	\$0.04486	\$0.04486	\$0.04486	\$0.04486	\$0.04486	\$0.04486	\$0.04486	
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	\$2,147,792	\$1,949,047	\$1,874,627	\$1,656,219	\$1,563,154	\$1,932,309	\$2,394,245	\$2,589,132	\$2,017,790	\$1,435,941	\$1,565,479	\$2,020,615	\$23,146,351
12	Total Revenue	<u>\$3,234,724</u>	<u>\$3,034,921</u>	<u>\$2,963,549</u>	<u>\$2,743,481</u>	<u>\$2,668,951</u>	<u>\$3,043,364</u>	<u>\$3,508,674</u>	<u>\$3,702,302</u>	<u>\$3,144,369</u>	<u>\$2,542,890</u>	<u>\$2,666,413</u>	<u>\$3,116,548</u>	<u>\$36,370,185</u>
13														
14														
15	<b>Small General Service - G2 kWh</b>													
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	June 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	\$0.02879	\$0.02879	\$0.02879	\$0.02879	\$0.02879	\$0.02879	\$0.02879	\$0.02879	\$0.02879	\$0.02879	\$0.02879	\$0.02879	
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	\$1,415	\$1,288	\$1,250	\$1,036	\$917	\$936	\$952	\$995	\$975	\$807	\$902	\$1,161	\$12,631
26	Total Revenue	<u>\$8,436</u>	<u>\$8,309</u>	<u>\$8,289</u>	<u>\$8,020</u>	<u>\$7,883</u>	<u>\$7,883</u>	<u>\$7,918</u>	<u>\$7,924</u>	<u>\$7,904</u>	<u>\$7,773</u>	<u>\$7,794</u>	<u>\$7,998</u>	<u>\$96,132</u>
27														
28														
29	<b>Small General Service - G2 QR WH /SH</b>													
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	June 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	\$22,366	\$20,090	\$12,708	\$9,206	\$7,765	\$10,417	\$12,223	\$10,125	\$6,391	\$9,844	\$16,334	161,050
40	Total Revenue	<u>\$26,130</u>	<u>\$24,895</u>	<u>\$22,620</u>	<u>\$15,219</u>	<u>\$11,697</u>	<u>\$10,276</u>	<u>\$12,927</u>	<u>\$14,714</u>	<u>\$12,626</u>	<u>\$8,892</u>	<u>\$12,326</u>	<u>\$18,785</u>	<u>\$191,106</u>
41														

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

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
42														
43	<b>Small General Service - G2 Demand</b>													
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	June 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	\$29.19
50	Demand Charge	\$11.86	\$11.86	\$11.86	\$11.86	\$11.86	\$11.86	\$11.86	\$11.86	\$11.86	\$11.86	\$11.86	\$11.86	\$11.86
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	\$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	\$1,207,112	\$1,201,914	\$1,214,331	\$1,037,877	\$1,035,607	\$1,257,498	\$1,355,674	\$1,402,025	\$1,348,835	\$1,259,539	\$1,169,427	\$1,151,713	\$14,641,552
56	Energy Charge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
57	Total Revenue	\$1,512,994	\$1,507,504	\$1,519,948	\$1,343,555	\$1,342,277	\$1,567,759	\$1,665,699	\$1,713,274	\$1,661,370	\$1,569,770	\$1,477,335	\$1,458,792	\$18,340,276
58														
59														
60	<b>Large General Service - G1</b>													
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	June 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	\$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	\$86.49
69	Demand Charge	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37
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	\$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	\$679,695	\$675,969	\$681,085	\$676,834	\$679,467	\$722,678	\$741,842	\$754,843	\$726,534	\$695,291	\$675,523	\$662,610	\$8,372,371
75	Energy Charge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
76	Total Revenue	\$704,119	\$700,393	\$705,672	\$701,420	\$704,216	\$747,426	\$766,591	\$779,753	\$751,282	\$720,039	\$700,272	\$687,272	\$8,668,455
77														

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

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
78													
79	<b>Transformer Ownership</b>												
80	<b>G1-kVA</b>												
81	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	June 1, 2022 Rates												
84	(\$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	(\$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	(\$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	<b>Transformer Ownership</b>												
92	<b>G2-kW</b>												
93	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	June 1, 2022 Rates												
96	(\$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	(\$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	(\$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	<b>Summary</b>												
104		<u># Custs</u>	<u>Test Year</u>										<u>Calculated Rev.</u>
105	Residential - D	815,280					515,968,592						\$36,370,185
106	Small General Service - G2 kWh	4,543					438,744						\$96,132
107	Small General Service - G2 QR WH /SH	3,089					4,483,579						\$191,106
108	Small General Service - G2 Demand	126,712	1,234,532				312,134,498						\$18,340,276
109	Large General Service - G1	1,615			1,000,283		319,767,459						\$8,668,455
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							\$65,309,749

**UES**  
**June 1, 2022 Rates**

	<u>Class</u>		<u>Distribution Charge</u>
1	<b>D</b>	Customer Charge	\$16.22
2			
3		All 250 kWh	\$0.04486
4			
5	<b>G2</b>	Customer Charge	\$29.19
6			
7		All kW	\$11.86
8			
9		All kWh	\$0.00000
10			
11	<b>G2 - kWh meter</b>	Customer Charge	\$18.38
12			
13		All kWh	\$0.02879
14			
15	<b>G2 - Quick Recovery Water</b>	Customer Charge	\$9.73
16	<b>Heat and/or Space Heat</b>		
17		All kWh	\$0.03592
18			
19	<b>G1</b>	Customer Charge Secondary	\$162.18
20		Customer Charge Primary	\$86.49
21			
22		All kVA	\$8.37
23			
24		All kWh	\$0.00000

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

  

<b>Unitil Energy Systems, Inc.</b>		<b>Unitil Energy Systems, Inc.</b>	
<b>Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:</b>		<b>Rates - Proposed Effective 6/1/2022 with Step Adjustment:</b>	
Customer Charge	<b>\$16.22</b>	Customer Charge	<b>\$16.22</b>
	<b>All kWh</b>		<b>All kWh</b>
Distribution Charge	\$0.04333	Distribution Charge	\$0.04486
External Delivery Charge	\$0.02978	External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)	Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00681	System Benefits Charge	\$0.00681
Storm Recovery Adjustment Factor	\$0.00000	Storm Recovery Adjustment Factor	\$0.00000
Fixed Default Service Charge	<u>\$0.10117</u>	Fixed Default Service Charge	<u>\$0.10117</u>
<b>TOTAL</b>	<b>\$0.18107</b>	<b>TOTAL</b>	<b>\$0.18260</b>

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on G2 Rate Customers								
Average Load Factor	kW Range	Percentage Bills	Average Monthly kW	Average Monthly kWh	Total Bill Using Rates Proposed 6/1/22 w/o Step	Total Bill Using Rates Proposed 6/1/22 with Step	Total Difference	% Total Difference
17%	0-1.0	26.9%	1.0	125	\$56.88	\$57.20	\$0.32	0.6%
28%	1.1-2	10.6%	1.5	308	\$86.54	\$87.02	\$0.48	0.6%
24%	2.1-3	7.4%	2.5	438	\$115.35	\$116.15	\$0.81	0.7%
24%	3.1-4	6.5%	3.5	625	\$151.47	\$152.60	\$1.13	0.7%
25%	4.1-5	5.9%	4.5	821	\$188.62	\$190.08	\$1.45	0.8%
24%	5.1-6	5.4%	5.5	965	\$218.75	\$220.52	\$1.77	0.8%
24%	6.1-7	4.2%	6.5	1,141	\$253.20	\$255.29	\$2.09	0.8%
25%	7.1-8	3.6%	7.5	1,351	\$292.21	\$294.62	\$2.41	0.8%
26%	8.1-9	3.0%	8.5	1,622	\$338.99	\$341.72	\$2.73	0.8%
27%	9.1-10	2.6%	9.5	1,872	\$383.15	\$386.20	\$3.05	0.8%
28%	10.1-12	4.2%	11.0	2,219	\$445.10	\$448.62	\$3.52	0.8%
29%	12.1-14	2.9%	13.0	2,800	\$543.99	\$548.15	\$4.16	0.8%
31%	14.1-16	2.4%	15.0	3,390	\$644.01	\$648.81	\$4.80	0.7%
33%	16.1-18	1.8%	17.0	4,048	\$752.92	\$758.36	\$5.45	0.7%
33%	18.1-20	1.4%	19.0	4,598	\$847.59	\$853.68	\$6.09	0.7%
34%	20.1-22.5	1.4%	21.3	5,309	\$966.20	\$973.00	\$6.80	0.7%
35%	22.6-25	1.2%	23.7	6,017	\$1,086.70	\$1,094.29	\$7.59	0.7%
37%	25.1-30	1.6%	27.4	7,335	\$1,301.22	\$1,309.99	\$8.78	0.7%
40%	30.1-35	1.1%	32.5	9,376	\$1,625.30	\$1,635.69	\$10.39	0.6%
40%	35.1-40	0.9%	37.5	11,085	\$1,906.34	\$1,918.35	\$12.01	0.6%
40%	40.1-45	0.7%	42.5	12,531	\$2,151.86	\$2,165.45	\$13.59	0.6%
43%	45.1-50	0.6%	47.5	14,838	\$2,510.28	\$2,525.48	\$15.20	0.6%
42%	50.1-60	0.9%	54.8	16,705	\$2,837.52	\$2,855.05	\$17.53	0.6%
43%	60.1-70	0.7%	64.8	20,391	\$3,433.48	\$3,454.22	\$20.74	0.6%
44%	70.1-80	0.5%	75.2	24,069	\$4,032.55	\$4,056.62	\$24.07	0.6%
44%	80.1-90	0.4%	84.7	27,000	\$4,523.94	\$4,551.04	\$27.10	0.6%
41%	90.1-100	0.3%	94.4	28,369	\$4,814.16	\$4,844.36	\$30.21	0.6%
45%	100.1-120	0.4%	109.2	35,732	\$5,944.69	\$5,979.65	\$34.96	0.6%
45%	120.1-140	0.2%	129.0	42,752	\$7,087.23	\$7,128.51	\$41.28	0.6%
43%	140.1-160	0.1%	149.1	46,963	\$7,867.45	\$7,915.15	\$47.70	0.6%
40%	160.1-200	0.1%	175.7	51,679	\$8,788.63	\$8,844.85	\$56.21	0.6%
26%	200.1+	0.0%	348.8	66,522	\$12,719.61	\$12,831.21	\$111.60	0.9%

  

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:		Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:	
Customer Charge	\$29.19	Customer Charge	\$29.19
	<u>All kW</u>		<u>All kW</u>
Distribution Charge	\$11.54	Distribution Charge	\$11.86
Stranded Cost Charge	\$0.00	Stranded Cost Charge	\$0.00
<b>TOTAL</b>	<b>\$11.54</b>	<b>TOTAL</b>	<b>\$11.86</b>
	<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	\$0.09370	Fixed Default Service Charge	\$0.09370
<b>TOTAL</b>	<b>\$0.13027</b>	<b>TOTAL</b>	<b>\$0.13027</b>

<b>Unitil Energy Systems, Inc.</b>						
<b>Typical Bill Impacts as a Result of Proposed Rates</b>						
<b>Impact on G2 - kWh meter Rate Customers</b>						
<b>Range Monthly kWh</b>	<b>Percentage Bills</b>	<b>Average Monthly kWh</b>	<b>Total Bill Using Rates Proposed 6/1/22 w/o Step</b>	<b>Total Bill Using Rates Proposed 6/1/22 with Step</b>	<b>Total Difference</b>	<b>% Total Difference</b>
0-50	58.8%	18	\$21.19	\$21.27	\$0.09	0.4%
51-100	16.6%	71	\$29.34	\$29.68	\$0.34	1.2%
101-200	13.3%	146	\$40.92	\$41.62	\$0.69	1.7%
201-300	4.8%	243	\$55.81	\$56.96	\$1.15	2.1%
301-400	2.3%	346	\$71.79	\$73.43	\$1.64	2.3%
401-500	1.3%	452	\$88.14	\$90.29	\$2.15	2.4%
501-600	1.1%	543	\$102.16	\$104.74	\$2.58	2.5%
601-700	0.6%	639	\$116.95	\$119.99	\$3.03	2.6%
701-800	0.3%	742	\$132.85	\$136.38	\$3.52	2.7%
801-1,000	0.3%	890	\$155.64	\$159.87	\$4.23	2.7%
1,000+	0.7%	2,084	\$339.94	\$349.84	\$9.90	2.9%

  

<b>Unitil Energy Systems, Inc.</b>		<b>Unitil Energy Systems, Inc.</b>	
<b>Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:</b>		<b>Rates - Proposed Effective 6/1/2022 with Step Adjustment:</b>	
Customer Charge	<b>\$18.38</b>	Customer Charge	<b>\$18.38</b>
	<b><u>All kWh</u></b>		<b><u>All kWh</u></b>
Distribution Charge	\$0.02404	Distribution Charge	\$0.02879
External Delivery Charge	\$0.02978	External Delivery Charge	\$0.02978
Stranded Cost Charge	(\$0.00002)	Stranded Cost Charge	(\$0.00002)
System Benefits Charge	\$0.00681	System Benefits Charge	\$0.00681
Storm Recovery Adjustment Factor	\$0.00000	Storm Recovery Adjustment Factor	\$0.00000
Fixed Default Service Charge	<u>\$0.09370</u>	Fixed Default Service Charge	<u>\$0.09370</u>
<b>TOTAL</b>	<b>\$0.15431</b>	<b>TOTAL</b>	<b>\$0.15906</b>

<b>Unitil Energy Systems, Inc.</b>							
<b>Typical Bill Impacts as a Result of Proposed Rates</b>							
<b>Impact on G2 - QRWH and SH Rate Customers</b>							
<b>Range Monthly kWh</b>	<b>Percentage Bills</b>	<b>Average kWh</b>	<b>Total Bill Using Rates Proposed 6/1/22 w/o Step</b>	<b>Total Bill Using Rates Proposed 6/1/22 with Step</b>	<b>Total Difference</b>	<b>% Total Difference</b>	
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%	

  

<b>Unitil Energy Systems, Inc.</b>		<b>Unitil Energy Systems, Inc.</b>	
<b>Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:</b>		<b>Rates - Proposed Effective 6/1/2022 with Step Adjustment:</b>	
Customer Charge	<b>\$9.73</b>	Customer Charge	<b>\$9.73</b>
	<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>
<b>TOTAL</b>	<b>\$0.16527</b>	<b>TOTAL</b>	<b>\$0.16619</b>

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts as a Result of Proposed Rates**  
**Impact on G1 Rate Customers**

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

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:		Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:	
Customer Charge - Secondary	\$162.18	Customer Charge - Secondary	\$162.18
Customer Charge - Primary	\$86.49	Customer Charge - Primary	\$86.49
	<u>All kVA</u>		<u>All kVA</u>
Distribution Charge	\$8.19	Distribution Charge	\$8.37
Stranded Cost Charge	\$0.00	Stranded Cost Charge	\$0.00
<b>TOTAL</b>	<b>\$8.19</b>	<b>TOTAL</b>	<b>\$8.37</b>
	<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
<b>TOTAL</b>	<b>\$0.14227</b>	<b>TOTAL</b>	<b>\$0.14227</b>
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 Proposed 6/1/22 w/o Step	Total Bill Using Rates Proposed 6/1/22 with Step	Total Difference	% Total Difference
57	48.2%	243	85,567			\$14,327.01	\$14,370.78	\$43.76	0.3%
58	51.0%	315	117,293			\$19,431.20	\$19,487.94	\$56.74	0.3%
59	33.1%	333	80,643			\$14,365.51	\$14,425.52	\$60.00	0.4%
60	31.4%	389	89,200			\$16,041.44	\$16,111.52	\$70.08	0.4%
61	45.3%	325	107,333			\$18,092.40	\$18,150.86	\$58.46	0.3%
62	23.2%	1,393	236,250		Yes	\$44,481.79	\$44,732.44	\$250.65	0.6%
63	21.5%	482	75,480			\$14,846.39	\$14,933.11	\$86.72	0.6%
64	41.2%	297	89,533			\$15,335.52	\$15,389.05	\$53.53	0.3%
65	47.8%	259	90,500			\$15,160.33	\$15,206.98	\$46.65	0.3%
66	41.3%	154	46,583			\$8,053.92	\$8,081.71	\$27.79	0.3%
67	7.5%	373	20,342			\$6,108.94	\$6,176.04	\$67.09	1.1%
68	44.8%	355	115,887			\$19,553.55	\$19,617.38	\$63.83	0.3%
69	55.6%	520	211,000			\$34,436.40	\$34,529.92	\$93.52	0.3%
70	32.0%	372	86,900			\$15,573.56	\$15,640.55	\$66.99	0.4%
71	51.4%	280	105,200			\$17,425.53	\$17,476.00	\$50.47	0.3%
72	48.5%	465	164,567			\$27,384.18	\$27,467.90	\$83.72	0.3%
73	54.1%	409	161,410			\$26,473.85	\$26,547.43	\$73.58	0.3%
74	38.3%	166	46,470			\$8,135.60	\$8,165.54	\$29.94	0.4%
75	76.1%	476	264,430			\$41,683.53	\$41,769.27	\$85.73	0.2%
76	55.2%	354	142,383			\$23,314.22	\$23,377.85	\$63.63	0.3%
77	49.6%	252	91,333			\$15,223.74	\$15,269.18	\$45.44	0.3%
78	33.0%	212	51,093			\$9,167.44	\$9,205.60	\$38.16	0.4%
79	51.3%	328	122,880			\$20,331.59	\$20,390.65	\$59.06	0.3%
80	58.8%	678	291,100			\$47,131.71	\$47,253.79	\$122.08	0.3%
81	12.5%	681	62,090			\$14,571.31	\$14,693.85	\$122.54	0.8%
82	33.0%	192	46,390			\$8,338.46	\$8,373.10	\$34.65	0.4%
83	52.5%	249	95,583			\$15,802.18	\$15,847.04	\$44.86	0.3%
84	12.6%	838	76,750			\$17,940.80	\$18,091.56	\$150.76	0.8%
85	61.7%	257	115,933			\$18,764.12	\$18,810.45	\$46.33	0.2%
86	17.5%	633	80,900			\$16,857.59	\$16,971.57	\$113.97	0.7%
87	4.7%	180	6,192	2		\$2,356.05	\$2,387.24	\$31.20	1.3%
88	21.1%	241	37,150			\$7,421.64	\$7,465.03	\$43.39	0.6%
89	60.6%	489	216,067			\$34,903.00	\$34,990.94	\$87.93	0.3%
90	56.2%	1,044	428,000			\$69,600.82	\$69,788.67	\$187.85	0.3%
91	26.8%	360	70,500			\$13,140.62	\$13,205.42	\$64.80	0.5%
92	17.5%	321	41,007			\$8,628.74	\$8,686.60	\$57.86	0.7%
93	39.4%	311	89,520			\$15,446.99	\$15,503.00	\$56.02	0.4%
94	67.4%	501	246,680			\$39,361.15	\$39,451.34	\$90.19	0.2%
95	25.8%	222	41,900			\$7,943.32	\$7,983.32	\$40.00	0.5%
96	64.7%	354	167,040			\$26,822.67	\$26,886.31	\$63.64	0.2%
97	42.0%	297	91,080			\$15,551.61	\$15,605.05	\$53.44	0.3%
98	20.0%	230	33,520			\$6,812.11	\$6,853.45	\$41.34	0.6%
99	11.0%	250	20,064			\$5,061.05	\$5,105.98	\$44.93	0.9%
100	21.8%	228	36,187			\$7,176.89	\$7,217.91	\$41.02	0.6%
101	47.6%	476	165,320			\$27,582.33	\$27,668.05	\$85.72	0.3%
102	55.4%	356	143,928			\$23,553.23	\$23,617.28	\$64.05	0.3%
103	37.7%	381	104,773	2	Yes	\$17,295.00	\$17,361.11	\$66.11	0.4%
104	34.6%	376	94,929	1	Yes	\$16,152.45	\$16,218.70	\$66.25	0.4%
105	70.3%	321	164,820			\$26,241.41	\$26,299.22	\$57.81	0.2%
106	33.7%	258	63,456			\$11,299.74	\$11,346.11	\$46.37	0.4%
107	19.7%	271	39,008			\$7,930.31	\$7,979.07	\$48.76	0.6%
108	54.3%	257	102,032			\$16,786.99	\$16,833.34	\$46.35	0.3%
109	42.3%	239	73,700			\$12,602.91	\$12,645.89	\$42.98	0.3%
110	48.6%	770	273,155	2	Yes	\$43,301.57	\$43,435.31	\$133.73	0.3%
111	37.3%	295	80,320			\$14,004.95	\$14,058.04	\$53.09	0.4%
112	40.2%	368	107,900			\$18,525.94	\$18,592.16	\$66.22	0.4%

  

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:		Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:	
Customer Charge - Secondary	\$162.18	Customer Charge - Secondary	\$162.18
Customer Charge - Primary	\$86.49	Customer Charge - Primary	\$86.49
	<u>All kVA</u>		<u>All kVA</u>
Distribution Charge	\$8.19	Distribution Charge	\$8.37
Stranded Cost Charge	\$0.00	Stranded Cost Charge	\$0.00
<b>TOTAL</b>	<b>\$8.19</b>	<b>TOTAL</b>	<b>\$8.37</b>
	<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
<b>TOTAL</b>	<b>\$0.14227</b>	<b>TOTAL</b>	<b>\$0.14227</b>
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 Proposed 6/1/22 w/o Step	Total Bill Using Rates Proposed 6/1/22 with Step	Total Difference	% Total Difference
113	51.3%	264	99,073	2	Yes	\$15,649.71	\$15,695.63	\$45.91	0.3%
114	30.6%	339	75,583			\$13,688.62	\$13,749.57	\$60.95	0.4%
115	61.0%	677	301,440			\$48,592.88	\$48,714.75	\$121.86	0.3%
116	74.4%	405	219,800			\$34,746.73	\$34,819.56	\$72.83	0.2%
117	61.5%	217	97,536			\$15,817.84	\$15,856.94	\$39.10	0.2%
118	28.4%	352	73,100			\$13,447.45	\$13,510.87	\$63.41	0.5%
119	48.2%	453	159,340			\$26,543.19	\$26,624.77	\$81.58	0.3%
120	43.9%	346	110,840			\$18,766.76	\$18,829.08	\$62.32	0.3%
121	51.2%	684	255,424	2		\$40,559.82	\$40,678.64	\$118.82	0.3%
122	40.9%	249	74,387			\$12,786.73	\$12,831.60	\$44.87	0.4%
123	20.1%	236	34,573			\$7,010.56	\$7,052.97	\$42.41	0.6%
124	9.8%	606	43,345	2	Yes	\$10,533.16	\$10,638.40	\$105.23	1.0%
125	18.9%	312	43,030			\$8,836.74	\$8,892.85	\$56.10	0.6%
126	60.0%	639	279,650			\$45,178.12	\$45,293.07	\$114.95	0.3%
127	52.4%	2,025	774,292	2	Yes	\$121,415.10	\$121,766.81	\$351.70	0.3%
128	61.2%	2,222	991,779	2	Yes	\$152,735.30	\$153,121.22	\$385.91	0.3%
129	42.8%	137	42,708			\$7,357.94	\$7,382.54	\$24.61	0.3%
130	48.5%	206	72,800			\$12,203.57	\$12,240.59	\$37.01	0.3%
131	27.1%	308	60,960			\$11,356.32	\$11,411.73	\$55.41	0.5%
132	32.2%	174	41,024			\$7,427.07	\$7,458.46	\$31.39	0.4%
133	48.5%	1,145	405,120			\$67,179.09	\$67,385.25	\$206.16	0.3%
134	16.0%	249	29,000			\$6,324.86	\$6,369.63	\$44.77	0.7%
135	48.6%	431	152,940			\$25,453.51	\$25,531.14	\$77.64	0.3%
136	31.7%	483	111,872			\$20,036.37	\$20,123.36	\$86.99	0.4%
137	44.2%	242	78,120			\$13,260.41	\$13,304.01	\$43.61	0.3%
138	61.1%	543	242,600			\$39,127.94	\$39,225.77	\$97.83	0.3%
139	48.8%	941	335,067			\$55,540.54	\$55,709.96	\$169.42	0.3%
140	80.1%	152	89,145			\$14,093.61	\$14,121.05	\$27.45	0.2%
141	54.2%	427	168,907			\$27,688.43	\$27,765.27	\$76.83	0.3%
142	36.7%	319	85,493			\$14,936.56	\$14,993.95	\$57.39	0.4%
143	26.8%	637	124,693			\$23,121.11	\$23,235.80	\$114.70	0.5%
144	55.0%	424	170,000			\$27,818.46	\$27,894.73	\$76.27	0.3%
145	45.1%	355	116,783			\$19,684.33	\$19,748.23	\$63.90	0.3%
146	25.7%	401	75,167			\$14,142.52	\$14,214.74	\$72.23	0.5%
147	58.8%	477	204,500			\$33,159.82	\$33,245.61	\$85.79	0.3%
148	27.0%	849	167,400			\$30,930.94	\$31,083.75	\$152.81	0.5%
149	70.7%	1,008	519,800			\$82,366.37	\$82,547.74	\$181.37	0.2%
150	55.6%	457	185,400			\$30,280.37	\$30,362.59	\$82.23	0.3%
151	42.1%	144	44,240			\$7,635.09	\$7,661.00	\$25.91	0.3%
152	6.3%	310	14,317			\$4,741.32	\$4,797.20	\$55.88	1.2%
153	61.1%	885	394,833			\$63,587.30	\$63,746.68	\$159.39	0.3%
154	51.7%	511	192,725			\$31,763.53	\$31,855.45	\$91.92	0.3%
155	45.8%	562	187,767			\$31,476.75	\$31,577.87	\$101.12	0.3%
156	26.2%	318	60,750			\$11,406.02	\$11,463.19	\$57.16	0.5%
157	48.6%	610	216,075			\$35,895.11	\$36,004.82	\$109.71	0.3%
158	10.9%	492	39,030			\$9,745.41	\$9,833.99	\$88.58	0.9%
159	68.6%	1,016	508,947	2	Yes	\$77,503.37	\$77,679.93	\$176.56	0.2%
160	36.0%	78	20,350			\$3,692.17	\$3,706.12	\$13.95	0.4%
161	3.4%	3,066	75,994	2		\$34,750.94	\$35,283.49	\$532.55	1.5%
162	3.9%	255	7,292			\$3,288.02	\$3,333.92	\$45.90	1.4%
163	58.2%	225	95,529			\$15,595.08	\$15,635.56	\$40.48	0.3%
164	58.8%	295	126,875			\$20,632.42	\$20,685.60	\$53.18	0.3%
165	42.2%	181	55,800			\$9,582.69	\$9,615.26	\$32.57	0.3%
166	2.3%	745	12,588	1	Yes	\$7,453.06	\$7,584.40	\$131.35	1.8%
167	34.5%	381	95,900			\$16,924.83	\$16,993.38	\$68.55	0.4%

  

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:		Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:	
Customer Charge - Secondary	\$162.18	Customer Charge - Secondary	\$162.18
Customer Charge - Primary	\$86.49	Customer Charge - Primary	\$86.49
	<u>All kVA</u>		<u>All kVA</u>
Distribution Charge	\$8.19	Distribution Charge	\$8.37
Stranded Cost Charge	\$0.00	Stranded Cost Charge	\$0.00
<b>TOTAL</b>	<b>\$8.19</b>	<b>TOTAL</b>	<b>\$8.37</b>
	<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
<b>TOTAL</b>	<b>\$0.14227</b>	<b>TOTAL</b>	<b>\$0.14227</b>
High Voltage Discount 1 for 4-13.8 kV	2.0%	High Voltage Discount 1 for 4-13.8 kV	2.0%
High Voltage Discount 2 for 34.5 kV	3.5%	High Voltage Discount 2 for 34.5 kV	3.5%
Transformer Ownership Credit \$/kVA	\$0.50	Transformer Ownership Credit \$/kVA	\$0.50

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

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates Impact on Tariffed Customer Supplied LED Rate Customers									
	Nominal Watts	Lumens	Type	Current Average Monthly kWh	Percentage of Lights	Total Bill Using Rates Proposed 6/1/22 w/o Step	Total Bill Using Rates Proposed 6/1/22 with Step	Total Difference	% Total Difference
<u>CS LED</u>									
1	35	3,000	AL	12	0.0%	\$8.56	\$8.56	\$0.00	0.0%
2	47	4,000	AL	16	0.0%	\$10.29	\$10.29	\$0.00	0.0%
3	30	3,300	ST	10	0.0%	\$11.01	\$11.01	\$0.00	0.0%
4	50	5,000	ST	17	0.0%	\$14.13	\$14.13	\$0.00	0.0%
5	100	11,000	ST	35	0.0%	\$17.04	\$17.04	\$0.00	0.0%
6	120	18,000	ST	42	0.0%	\$20.23	\$20.23	\$0.00	0.0%
7	140	18,000	ST	48	0.0%	\$24.08	\$24.08	\$0.00	0.0%
8	260	31,000	ST	90	0.0%	\$45.28	\$45.28	\$0.00	0.0%
9	70	10,000	FL	24	0.0%	\$14.37	\$14.37	\$0.00	0.0%
10	90	10,000	FL	31	0.0%	\$18.60	\$18.60	\$0.00	0.0%
11	110	15,000	FL	38	0.0%	\$22.31	\$22.31	\$0.00	0.0%
12	370	46,000	FL	128	0.0%	\$43.67	\$43.67	\$0.00	0.0%

  

Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 w/o Step Adjustment:			Unitil Energy Systems, Inc. Rates - Proposed Effective 6/1/2022 with Step Adjustment:		
Customer Charge		\$0.00	Customer Charge		\$0.00
		<u>All kWh</u>			<u>All kWh</u>
Distribution Charge	\$0.00000		Distribution Charge	\$0.00000	
External Delivery Charge	\$0.02978		External Delivery Charge	\$0.02978	
Stranded Cost Charge	(\$0.00002)		Stranded Cost Charge	(\$0.00002)	
System Benefits Charge	\$0.00681		System Benefits Charge	\$0.00681	
Storm Recovery Adjustment Factor	\$0.00000		Storm Recovery Adjustment Factor	\$0.00000	
Fixed Default Service Charge	<u>\$0.09370</u>		Fixed Default Service Charge	<u>\$0.09370</u>	
<b>TOTAL</b>	<b>\$0.13027</b>		<b>TOTAL</b>	<b>\$0.13027</b>	

  

<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