CALCULATION OF THE DEFAULT SERVICE CHARGE

	Non-G1 Class Default Service:							
	Power Supply Charge	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>	<u>Mar-19</u>	<u>Apr-19</u>	<u>May-19</u>	<u>Total</u>
	Tower Supply Charge							
1	<u>Residential Class</u> Reconciliation	(\$31,890)	(\$37,903)	(\$33,564)	(\$29,800)	(\$27,344)	(\$24,822)	(\$185,323)
2	Total Costs	\$5,222,880	\$5,962,587	\$4,836,675	\$4,309,997	\$2,610,072	\$2,974,149	\$25,916,359
3	Reconciliation plus Total Costs (L.1 + L.2)	\$5,190,990	\$5,924,684	\$4,803,111	\$4,280,197	\$2,582,728	\$2,949,327	\$25,731,037
4	kWh Purchases	40,588,549	48,242,083	42,718,930	<u>37,928,196</u>	34,802,731	31,593,044	235,873,533
5	Total, Before Losses (L.3 / L.4)	\$0.12789	\$0.12281	\$0.11244	\$0.11285	\$0.07421	\$0.09335	\$0.10909
6	Losses	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>
	Total Retail Rate - Residential Variable Power Supply Charge $(L.5 * (1+L.6))$ Total Retail Rate - Residential Fixed Power Supply Charge $(L.5 * (1+L.6))$	\$0.13608	\$0.13067	\$0.11963	\$0.12007	\$0.07896	\$0.09933	\$0.11607
9	G2 and OL Class Reconciliation	(\$12,812)	(\$14,509)	(\$13,402)	(\$12,601)	(\$12,541)	(\$12,092)	(\$77,957)
10	Total Costs	\$1,660,574	\$2,362,678	\$2,194,672	\$1,438,979	\$1,177,171	\$1,051,800	\$9,885,875
11	Reconciliation plus Total Costs (L.9 + L.10)	\$1,647,762	\$2,348,169	\$2,181,270	\$1,426,378	\$1,164,630	\$1,039,708	\$9,807,917
12	kWh Purchases	<u>16,309,132</u>	18,470,369	17,060,456	16,041,115	15,964,633	15,393,091	<u>99,238,796</u>
13	Total, Before Losses (L.11 / L.12)	\$0.10103	\$0.12713	\$0.12786	\$0.08892	\$0.07295	\$0.06754	\$0.09883
14	Losses	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>
	Total Retail Rate - G2 and OL Variable Power Supply Charge (L.13 * (1+L.14)) Total Retail Rate - G2 and OL Fixed Power Supply Charge (L.13 * (1+L.14))	\$0.10750	\$0.13527	\$0.13604	\$0.09461	\$0.07762	\$0.07187	\$0.10516

Renewable Portfolio Standard (RPS) Charge							
17 Reconciliation	(\$139,400)	(\$163,446)	(\$146,460)	(\$132,225)	(\$124,380)	(\$115,116)	(\$821,028)
18 Total Costs	<u>\$164,629</u>	<u>\$219,531</u>	<u>\$196,717</u>	<u>\$177,599</u>	<u>\$167,064</u>	<u>\$154,623</u>	<u>\$1,080,163</u>
19 Reconciliation plus Total Costs (L.17 + L.18)	\$25,229	\$56,085	\$50,257	\$45,374	\$42,684	\$39,506	\$259,135
20 kWh Purchases	<u>56,897,681</u>	<u>66,712,453</u>	<u>59,779,387</u>	<u>53,969,311</u>	50,767,363	46,986,135	<u>335,112,329</u>
21 Total, Before Losses (L.19 / L.20)	\$0.00044	\$0.00084	\$0.00084	\$0.00084	\$0.00084	\$0.00084	\$0.00077
22 Losses	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>
 23 Total Retail Rate - Variable RPS Charge (L.21 * (1+L.22)) 24 Total Retail Rate - Fixed RPS Charge (L.21 * (1+L.22)) 	\$0.00047	\$0.00089	\$0.00089	\$0.00089	\$0.00089	\$0.00089	\$0.00082

TOTAL DEFAULT SERVICE CHARGE							
Total Retail Rate - Residential Variable Default Service 25 Charge (L.7 + L.23)	\$0.13655	\$0.13156	\$0.12052	\$0.12096	\$0.07985	\$0.10022	
Total Retail Rate - Residential Fixed Default Service 26 Charge (L.8+L.24)							\$0.11689
Total Retail Rate - G2 and OL Variable Default Service 27 Charge (L.15 + L.23)	\$0.10797	\$0.13616	\$0.13693	\$0.09550	\$0.07851	\$0.07276	
Total Retail Rate - G2 and OL Fixed Default Service 28 Charge (L.16+L.24)							\$0.10598

Authorized by NHPUC Order No. in Case No. DE 18-035, dated

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

CALCULATION OF THE DEFAULT SERVICE CHARGE

	G1 Class Default Service:	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>	<u>Mar-19</u>	<u>Apr-19</u>	<u>May-19</u>	<u>Total</u>
	Power Supply Charge							
1	Reconciliation							\$18,084
2	Total Costs excl. wholesale supplier charge							<u>\$30,930</u>
3	Reconciliation plus Total Costs excl. wholes ale supplier charge $(L.1 + L.2)$							\$49,015
4	kWh Purchases							20,692,676
5	Total, Before Losses (L.3 / L.4)							\$0.00237
6	Losses							4.591%
7	Power Supply Charge excl. wholesale supplier charge (L.5 * (1+L.6)) (2)	\$0.00248	\$0.00248	\$0.00248	\$0.00248	\$0.00248	\$0.00248	\$0.00248
	Wholesale Supplier Charge Losses Retail Rate - Wholesale Supplier Charge (L.8a * (1+L.8b))	MARKET <u>4.591%</u>	MARKET <u>4.591%</u>	MARKET <u>4.591%</u>	MARKET <u>4.591%</u>	MARKET <u>4.591%</u>	MARKET <u>4.591%</u>	
		MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
9	Total Retail Rate - Power Supply Charge (L.7 + L. 8)	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
	Renewable Portfolio Standard (RPS) Charge							
10	Reconciliation	(\$7,175)	(\$7,101)	(\$6,763)	(\$6,786)	(\$6,543)	(\$6,626)	(\$40,995)
11	Total Costs	<u>\$10,653</u>	<u>\$11,990</u>	<u>\$11,420</u>	<u>\$11,459</u>	<u>\$11,048</u>	<u>\$11,188</u>	<u>\$67,757</u>
12	Reconciliation plus Total Costs (L.10+ L.11)	\$3,477	\$4,889	\$4,656	\$4,672	\$4,505	\$4,562	\$26,762
13	kWh Purchases	3,621,892	<u>3,584,257</u>	<u>3,413,843</u>	<u>3,425,473</u>	3,302,634	<u>3,344,576</u>	20,692,676
14	Total, Before Losses (L.12 / L.13)	\$0.00096	\$0.00136	\$0.00136	\$0.00136	\$0.00136	\$0.00136	
15	Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	
16	Total Retail Rate - RPS Charge (L.14 * (1+L.15))	\$0.00100	\$0.00143	\$0.00143	\$0.00143	\$0.00143	\$0.00143	
	TOTAL DEFAULT SERVICE CHARGE							
17								

17 Total Retail Rate - Default Service Charge (L.9 + L.16)

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in Case No. DE 18-035, dated