



NHPUC 13OCT'17AM10:38

October 12, 2017

VIA OVERNIGHT MAIL AND E-MAIL

Debra A. Howland
Executive Director and Secretary
New Hampshire Public Utilities Commission
21 S. Fruit St, Suite 10
Concord, N.H. 03301-2429

Re: Unitil Energy Systems, Inc.
Docket No. DE 17-038; Compliance Tariff

Dear Secretary Howland:

On behalf of Unitil Energy Systems, Inc. ("UES"), enclosed please find an original and six (6) copies of the following tariff pages, filed in compliance with NHPUC Order No. 26,062 in the above referenced proceeding:

- NHPUC No. 3 – Electricity Delivery, Unitil Energy Systems, Inc.**
- Forty-Sixth Revised Page 6, Summary of Low-Income Electric Assistance Program Discounts
- Twenty-Third Revised Page 74, Calculation of the Default Service Charge [Non-G1 Class]
- Thirty-Fourth Revised Page 75, Calculation of the Default Service Charge [G1 Class]

Thank you for your attention to this matter.

Sincerely,

Karen M. Asbury

Karen M. Asbury
Director, Regulatory Services

Enclosure

cc: Suzanne Amidon, NHPUC, Staff Attorney
D. Maurice Kreis, Consumer Advocate

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

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

Tier	Percentage of Federal Poverty Guidelines	Discount (5)	Blocks	LI-EAP discount Delivery Only; Excludes Supply	LI-EAP discount Fixed Default Service Supply Only	LI-EAP discount Variable Default Service Supply Only									
				Dec 2017-May 2018 (1)	Dec 2017-May 2018 (2)	Dec-17 (3)	Jan-18 (3)	Feb-18 (3)	Mar-18 (3)	Apr-18 (3)	May-18 (3)				
1 (4)	N/A	N/A													
2	151 - 200	8%	Customer Charge	(\$1.22)											
			First 750 kWh	(\$0.00541)	(\$0.00803)	(\$0.00757)	(\$0.00960)	(\$0.00975)	(\$0.00751)	(\$0.00652)	(\$0.00633)				
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
3	126 - 150	22%	Customer Charge	(\$3.35)											
			First 750 kWh	(\$0.01487)	(\$0.02207)	(\$0.02081)	(\$0.02640)	(\$0.02681)	(\$0.02065)	(\$0.01793)	(\$0.01740)				
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
4	101 - 125	36%	Customer Charge	(\$5.49)											
			First 750 kWh	(\$0.02433)	(\$0.03612)	(\$0.03405)	(\$0.04320)	(\$0.04388)	(\$0.03379)	(\$0.02934)	(\$0.02848)				
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
5	76 - 100	52%	Customer Charge	(\$7.92)											
			First 750 kWh	(\$0.03514)	(\$0.05218)	(\$0.04918)	(\$0.06241)	(\$0.06338)	(\$0.04880)	(\$0.04238)	(\$0.04113)				
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
6	0 - 75	76%	Customer Charge	(\$11.58)											
			First 750 kWh	(\$0.05136)	(\$0.07626)	(\$0.07188)	(\$0.09121)	(\$0.09263)	(\$0.07133)	(\$0.06194)	(\$0.06012)				
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000

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

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

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

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

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

Authorized by NHPUC Order No. 26,062 in Case No. DE 17-038, dated October 6, 2017

CALCULATION OF THE DEFAULT SERVICE CHARGE

Non-G1 Class Default Service:

	<u>Dec-17</u>	<u>Jan-18</u>	<u>Feb-18</u>	<u>Mar-18</u>	<u>Apr-18</u>	<u>May-18</u>	<u>Total</u>
<i>Power Supply Charge</i>							
<u>Residential Class</u>							
1 Reconciliation	\$7,818	\$8,849	\$8,231	\$7,529	\$6,915	\$5,984	\$45,326
2 Total Costs	\$3,305,422	\$4,786,084	\$4,523,768	\$3,150,456	\$2,493,286	\$2,090,458	\$20,349,474
3 Reconciliation plus Total Costs (L.1 + L.2)	\$3,313,240	\$4,794,933	\$4,531,999	\$3,157,986	\$2,500,201	\$2,096,442	\$20,394,801
4 kWh Purchases	<u>38,942,387</u>	<u>44,077,885</u>	<u>40,996,863</u>	<u>37,504,254</u>	<u>34,442,431</u>	<u>29,806,398</u>	<u>225,770,218</u>
5 Total, Before Losses (L.3 / L.4)	\$0.08508	\$0.10878	\$0.11055	\$0.08420	\$0.07259	\$0.07034	\$0.09033
6 Losses	<u>6.40%</u>						
7 Total Retail Rate - Residential Variable Power Supply Charge (L.5 * (1+L.6))	\$0.09053	\$0.11575	\$0.11762	\$0.08959	\$0.07724	\$0.07484	
8 Total Retail Rate - Residential Fixed Power Supply Charge (L.5 * (1+L.6))							\$0.09612
<u>G2 and OL Class</u>							
9 Reconciliation	\$2,878	\$3,124	\$2,989	\$2,885	\$2,892	\$2,745	\$17,513
10 Total Costs	\$1,266,339	\$1,883,080	\$1,341,068	\$1,305,649	\$805,271	\$728,384	\$7,329,791
11 Reconciliation plus Total Costs (L.9 + L.10)	\$1,269,217	\$1,886,205	\$1,344,057	\$1,308,534	\$808,163	\$731,130	\$7,347,304
12 kWh Purchases	<u>14,336,491</u>	<u>15,564,907</u>	<u>14,891,774</u>	<u>14,375,804</u>	<u>14,408,148</u>	<u>13,677,416</u>	<u>87,254,540</u>
13 Total, Before Losses (L.11 / L.12)	\$0.08853	\$0.12118	\$0.09025	\$0.09102	\$0.05609	\$0.05346	\$0.08421
14 Losses	<u>6.40%</u>						
15 Total Retail Rate - G2 and OL Variable Power Supply Charge (L.13 * (1+L.14))	\$0.09420	\$0.12894	\$0.09603	\$0.09685	\$0.05968	\$0.05688	
16 Total Retail Rate - G2 and OL Fixed Power Supply Charge (L.13 * (1+L.14))							\$0.08959

<i>Renewable Portfolio Standard (RPS) Charge</i>							
17 Reconciliation	(\$94,088)	(\$105,326)	(\$98,697)	(\$91,618)	(\$86,268)	(\$76,790)	(\$552,786)
18 Total Costs	<u>\$296,835</u>	<u>\$343,888</u>	<u>\$322,243</u>	<u>\$299,133</u>	<u>\$281,669</u>	<u>\$250,728</u>	<u>\$1,794,496</u>
19 Reconciliation plus Total Costs (L.17 + L.18)	\$202,747	\$238,562	\$223,547	\$207,515	\$195,401	\$173,938	\$1,241,710
20 kWh Purchases	<u>53,278,878</u>	<u>59,642,792</u>	<u>55,888,638</u>	<u>51,880,059</u>	<u>48,850,578</u>	<u>43,483,815</u>	<u>313,024,759</u>
21 Total, Before Losses (L.19 / L.20)	\$0.00381	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00397
22 Losses	<u>6.40%</u>						
23 Total Retail Rate - Variable RPS Charge (L.21 * (1+L.22))	\$0.00405	\$0.00426	\$0.00426	\$0.00426	\$0.00426	\$0.00426	
24 Total Retail Rate - Fixed RPS Charge (L.21 * (1+L.22))							\$0.00422

<i>TOTAL DEFAULT SERVICE CHARGE</i>							
25 Total Retail Rate - Residential Variable Default Service Charge (L.7 + L.23)	\$0.09458	\$0.12001	\$0.12188	\$0.09385	\$0.08150	\$0.07910	
26 Total Retail Rate - Residential Fixed Default Service Charge (L.8+L.24)							\$0.10034
27 Total Retail Rate - G2 and OL Variable Default Service Charge (L.15 + L.23)	\$0.09825	\$0.13320	\$0.10029	\$0.10111	\$0.06394	\$0.06114	
28 Total Retail Rate - G2 and OL Fixed Default Service Charge (L.16+L.24)							\$0.09381

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CALCULATION OF THE DEFAULT SERVICE CHARGE

G1 Class Default Service:

	<u>Dec-17</u>	<u>Jan-18</u>	<u>Feb-18</u>	<u>Mar-18</u>	<u>Apr-18</u>	<u>May-18</u>	<u>Total</u>
<i>Power Supply Charge</i>							
1 Reconciliation							\$107,283
2 Total Costs excl. wholesale supplier charge							<u>\$26,300</u>
3 Reconciliation plus Total Costs excl. wholesale supplier charge (L.1 + L.2)							\$133,583
4 kWh Purchases							<u>16,276,613</u>
5 Total, Before Losses (L.3 / L.4)							\$0.00821
6 Losses							<u>4.591%</u>
7 Power Supply Charge excl. wholesale supplier charge (L.5 * (1+L.6)) (2)	\$0.00858	\$0.00858	\$0.00858	\$0.00858	\$0.00858	\$0.00858	\$0.00858
8a Wholesale Supplier Charge	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
8b Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	
8 Retail Rate - Wholesale Supplier Charge (L.8a * (1+L.8b))	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
9 Total Retail Rate - Power Supply Charge (L.7 + L.8)	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
<i>Renewable Portfolio Standard (RPS) Charge</i>							
10 Reconciliation	(\$10,587)	(\$10,818)	(\$10,641)	(\$10,509)	(\$10,532)	(\$10,670)	(\$63,757)
11 Total Costs	<u>\$15,301</u>	<u>\$16,180</u>	<u>\$15,916</u>	<u>\$15,718</u>	<u>\$15,753</u>	<u>\$15,959</u>	<u>\$94,826</u>
12 Reconciliation plus Total Costs (L.10+ L.11)	\$4,714	\$5,362	\$5,275	\$5,209	\$5,221	\$5,289	\$31,069
13 kWh Purchases	<u>2,702,868</u>	<u>2,761,660</u>	<u>2,716,568</u>	<u>2,682,767</u>	<u>2,688,739</u>	<u>2,724,011</u>	16,276,613
14 Total, Before Losses (L.12 / L.13)	\$0.00174	\$0.00194	\$0.00194	\$0.00194	\$0.00194	\$0.00194	\$0.00194
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))	\$0.00182	\$0.00203	\$0.00203	\$0.00203	\$0.00203	\$0.00203	\$0.00203
TOTAL DEFAULT SERVICE CHARGE							
17 Total Retail Rate - Default Service Charge (L.9 + L.16)	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	

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