



April 30, 2019

**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

NHPUC 9MAY19AM11:13

**Re: Unitil Energy Systems, Inc.**  
**Docket No. DE 19-049; 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. 26,233 in the above referenced proceeding. These pages are for effect June 1, 2019.

**NHPUC No. 3 – Electricity Delivery, Unitil Energy Systems, Inc.**

Fifty-Seventh Revised Page 6, Summary of Low-Income Electric Assistance Program Discounts

Twenty-Sixth Revised Page 74, Calculation of the Default Service Charge [Non-G1 Class]

Thirty-Seventh Revised Page 75, Calculation of the Default Service Charge [G1 Class]

Please note that the Summary of Low-Income Electric Assistance Program Discounts (Page 6), incorporating the approved June 1 Non-G1 (Residential) DSC, has also been provided in redline. As discussed in its April 5, 2019 filing, since Page 6 also provides the discounts to delivery rates, UES was waiting for its May 1 delivery rates to be approved in DE 19-043 before filing a June 1 version of this page. UES filed its approved May 1, 2019 tariffs in compliance with NHPUC Order 26,236 in DE 19-043, on this date, under separate cover.

Thank you for your attention to this matter.

Sincerely,

Karen M. Asbury  
Director, Regulatory Services

Enclosure

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

Karen Asbury  
Director, Regulatory Services  
asbury@unitil.com

6 Liberty Lane West  
Hampton, NH 03842

**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					
				Jun-Nov 2019 (1)	Jun-Nov 2019 (2)	Jun-19 (3)	Jul-19 (3)	Aug-19 (3)	Sep-19 (3)	Oct-19 (3)	Nov-19 (3)
1 (4)	N/A	N/A									
2	151 - 200	8%	Customer Charge	(\$1.30)							
			First 750 kWh	(\$0.00520)	(\$0.00617)	(\$0.00637)	(\$0.00670)	(\$0.00554)	(\$0.00589)	(\$0.00589)	(\$0.00681)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
3	126 - 150	22%	Customer Charge	(\$3.57)							
			First 750 kWh	(\$0.01431)	(\$0.01697)	(\$0.01751)	(\$0.01843)	(\$0.01523)	(\$0.01620)	(\$0.01619)	(\$0.01872)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
4	101 - 125	36%	Customer Charge	(\$5.84)							
			First 750 kWh	(\$0.02342)	(\$0.02777)	(\$0.02865)	(\$0.03016)	(\$0.02492)	(\$0.02650)	(\$0.02650)	(\$0.03063)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
5	76 - 100	52%	Customer Charge	(\$8.43)							
			First 750 kWh	(\$0.03383)	(\$0.04011)	(\$0.04139)	(\$0.04357)	(\$0.03599)	(\$0.03828)	(\$0.03828)	(\$0.04425)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
6	0 - 75	76%	Customer Charge	(\$12.33)							
			First 750 kWh	(\$0.04945)	(\$0.05863)	(\$0.06049)	(\$0.06368)	(\$0.05260)	(\$0.05595)	(\$0.05594)	(\$0.06467)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000

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

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

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

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

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

*Authorized by NHPUC Order No. 26,233 in Case No. DE 19-049, dated April 12, 2019*

**CALCULATION OF THE DEFAULT SERVICE CHARGE**

**Non-G1 Class Default Service:**

	<u>Jun-19</u>	<u>Jul-19</u>	<u>Aug-19</u>	<u>Sep-19</u>	<u>Oct-19</u>	<u>Nov-19</u>	<u>Total</u>
<b><i>Power Supply Charge</i></b>							
<b><u>Residential Class</u></b>							
1 Reconciliation	(\$47,414)	(\$65,454)	(\$70,611)	(\$54,852)	(\$55,562)	(\$49,737)	(\$343,630)
2 Total Costs	\$2,408,295	\$3,496,382	\$3,128,904	\$2,581,527	\$2,614,687	\$2,697,146	\$16,926,942
3 Reconciliation plus Total Costs (L.1 + L.2)	\$2,360,881	\$3,430,928	\$3,058,293	\$2,526,675	\$2,559,125	\$2,647,409	\$16,583,311
4 kWh Purchases	<u>31,509,144</u>	<u>43,498,146</u>	<u>46,925,177</u>	<u>36,452,359</u>	<u>36,923,994</u>	<u>33,053,245</u>	<u>228,362,066</u>
5 Total, Before Losses (L.3 / L.4)	\$0.07493	\$0.07888	\$0.06517	\$0.06931	\$0.06931	\$0.08010	\$0.07262
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))	\$0.07972	\$0.08392	\$0.06934	\$0.07375	\$0.07374	\$0.08522	
Total Retail Rate - Residential Fixed Power Supply Charge (L.5 * (1+L.6))							\$0.07727
<b><u>G2 and OL Class</u></b>							
9 Reconciliation	(\$22,834)	(\$28,390)	(\$30,217)	(\$24,723)	(\$27,194)	(\$22,619)	(\$155,978)
10 Total Costs	\$989,505	\$1,445,851	\$1,296,935	\$1,084,490	\$904,382	\$1,141,148	\$6,862,312
11 Reconciliation plus Total Costs (L.9 + L.10)	\$966,671	\$1,417,461	\$1,266,718	\$1,059,767	\$877,188	\$1,118,529	\$6,706,334
12 kWh Purchases	<u>15,171,431</u>	<u>18,863,021</u>	<u>20,076,830</u>	<u>16,426,885</u>	<u>18,068,617</u>	<u>15,028,943</u>	<u>103,635,726</u>
13 Total, Before Losses (L.11 / L.12)	\$0.06372	\$0.07514	\$0.06309	\$0.06451	\$0.04855	\$0.07442	\$0.06471
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))	\$0.06779	\$0.07995	\$0.06713	\$0.06864	\$0.05165	\$0.07919	
Total Retail Rate - G2 and OL Fixed Power Supply Charge (L.13 * (1+L.14))							\$0.06885

<b><i>Renewable Portfolio Standard (RPS) Charge</i></b>							
17 Reconciliation	(\$145,933)	(\$194,953)	(\$209,462)	(\$165,311)	(\$171,918)	(\$150,314)	(\$1,037,891)
18 Total Costs	<u>\$140,077</u>	<u>\$187,128</u>	<u>\$201,054</u>	<u>\$158,676</u>	<u>\$165,020</u>	<u>\$144,282</u>	<u>\$996,238</u>
19 Reconciliation plus Total Costs (L.17 + L.18)	(\$5,855)	(\$7,825)	(\$8,408)	(\$6,634)	(\$6,897)	(\$6,032)	(\$41,653)
20 kWh Purchases	<u>46,680,575</u>	<u>62,361,168</u>	<u>67,002,007</u>	<u>52,879,245</u>	<u>54,992,611</u>	<u>48,082,188</u>	<u>331,997,793</u>
21 Total, Before Losses (L.19 / L.20)	(\$0.00013)	(\$0.00013)	(\$0.00013)	(\$0.00013)	(\$0.00013)	(\$0.00013)	(\$0.00013)
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))	(\$0.00013)	(\$0.00013)	(\$0.00013)	(\$0.00013)	(\$0.00013)	(\$0.00013)	
24 Total Retail Rate - Fixed RPS Charge (L.21 * (1+L.22))							(\$0.00013)

<b><i>TOTAL DEFAULT SERVICE CHARGE</i></b>							
<b>Total Retail Rate - Residential Variable Default Service Charge (L.7 + L.23)</b>							
25	<b>\$0.07959</b>	<b>\$0.08379</b>	<b>\$0.06921</b>	<b>\$0.07362</b>	<b>\$0.07361</b>	<b>\$0.08509</b>	
<b>Total Retail Rate - Residential Fixed Default Service Charge (L.8+L.24)</b>							
26							<b>\$0.07714</b>
<b>Total Retail Rate - G2 and OL Variable Default Service Charge (L.15 + L.23)</b>							
27	<b>\$0.06766</b>	<b>\$0.07982</b>	<b>\$0.06700</b>	<b>\$0.06851</b>	<b>\$0.05152</b>	<b>\$0.07906</b>	
<b>Total Retail Rate - G2 and OL Fixed Default Service Charge (L.16+L.24)</b>							
28							<b>\$0.06872</b>

Authorized by NHPUC Order No. 26,233 in Case No. DE 19-049, dated April 12, 2019

### CALCULATION OF THE DEFAULT SERVICE CHARGE

**G1 Class Default Service:**

	<u>Jun-19</u>	<u>Jul-19</u>	<u>Aug-19</u>	<u>Sep-19</u>	<u>Oct-19</u>	<u>Nov-19</u>	<u>Total</u>
<b><i>Power Supply Charge</i></b>							
1 Reconciliation							(\$1,576)
2 Total Costs excl. wholesale supplier charge							<u>\$24,908</u>
3 Reconciliation plus Total Costs excl. wholesale supplier charge (L.1 + L.2)							\$23,332
4 kWh Purchases							<u>23,008,856</u>
5 Total, Before Losses (L.3 / L.4)							\$0.00101
6 Losses							<u>4.591%</u>
7 Power Supply Charge excl. wholesale supplier charge (L.5 * (1+L.6)) (2)	\$0.00106	\$0.00106	\$0.00106	\$0.00106	\$0.00106	\$0.00106	\$0.00106
8a Wholesale Supplier Charge	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
8b Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	
8 Retail Rate - Wholesale Supplier Charge (L.8a * (1+L.8b))	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
9 Total Retail Rate - Power Supply Charge (L.7 + L.8)	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	
<b><i>Renewable Portfolio Standard (RPS) Charge</i></b>							
10 Reconciliation	(\$12,099)	(\$13,876)	(\$13,174)	(\$12,515)	(\$12,622)	(\$10,922)	(\$75,208)
11 Total Costs	<u>\$11,283</u>	<u>\$12,940</u>	<u>\$12,286</u>	<u>\$11,671</u>	<u>\$11,771</u>	<u>\$10,186</u>	<u>\$70,138</u>
12 Reconciliation plus Total Costs (L.10+ L.11)	(\$816)	(\$936)	(\$888)	(\$844)	(\$851)	(\$736)	(\$5,071)
13 kWh Purchases	<u>3,701,568</u>	<u>4,245,116</u>	<u>4,030,393</u>	<u>3,828,806</u>	<u>3,861,455</u>	<u>3,341,517</u>	23,008,856
14 Total, Before Losses (L.12 / L.13)	(\$0.00022)	(\$0.00022)	(\$0.00022)	(\$0.00022)	(\$0.00022)	(\$0.00022)	
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))	(\$0.00023)	(\$0.00023)	(\$0.00023)	(\$0.00023)	(\$0.00023)	(\$0.00023)	
<b><i>TOTAL DEFAULT SERVICE CHARGE</i></b>							
17 Total Retail Rate - Default Service Charge (L.9 + L.16)	MARKET	MARKET	MARKET	MARKET	MARKET	MARKET	

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**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	LI-EAP discount Fixed Default Service Supply Only	LI-EAP discount Variable Default Service Supply Only					
				May 2019 (1) Jun-Nov 2019 (1)	May 2019 (2)	May 19 (3)	Jun-Nov 2019 (2)	Jun-19 (3)	Jul-19 (3)	Aug-19 (3)	Sep-19 (3)	Oct-19 (3)	Nov-19 (3)
1 (4)	N/A	N/A											
2	151 - 200	8%	Customer Charge	(\$1.30)									
			First 750 kWh	(\$0.00520)	(\$0.00935)	(\$0.00802)	(\$0.00617)	(\$0.00637)	(\$0.00670)	(\$0.00554)	(\$0.00589)	(\$0.00589)	(\$0.00681)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
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			First 750 kWh	(\$0.01431)	(\$0.02572)	(\$0.02205)	(\$0.01697)	(\$0.01751)	(\$0.01843)	(\$0.01523)	(\$0.01620)	(\$0.01619)	(\$0.01872)
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			Excess 750 kWh	\$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	(\$12.33)									
			First 750 kWh	(\$0.04945)	(\$0.08884)	(\$0.07617)	(\$0.05863)	(\$0.06049)	(\$0.06368)	(\$0.05260)	(\$0.05595)	(\$0.05594)	(\$0.06467)
			Excess 750 kWh	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000

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

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(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. 26,236 in Case No. DE 19-043, dated April 22, 2019- Authorized by NHPUC Order No. 26,233 in Case No. DE 19-049, dated April 12, 2019*

Issued: April 30, 2019  
Effective: June 1, 2019

Issued By: Christine Vaughan  
Sr. Vice President