

|  | Renewable Portfolio Standard (RPS) Charge | As shown on Schedule LSM-3, Page 1 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17 | Reconciliation | $(\$ 145,933)$ | (\$194,953) | (\$209,462) | (\$165,311) | $(\$ 171,918)$ | (\$150,314) | (\$1,037,891) |
| 18 | Total Costs | \$140,077 | \$187,128 | \$201,054 | \$158,676 | \$165,020 | \$144,282 | \$996,238 |
| 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 | 46,680,575 | 62,361,168 | 67,002,007 | 52,879,245 | 54,992,611 | 48,082,188 | 331,997,793 |
| 21 | Total, Before Losses (L. 19 / L. 20) | (\$0.00013) | (\$0.00013) | (\$0.00013) | (\$0.00013) | (\$0.00013) | (\$0.00013) | (\$0.00013) |
| 22 | Losses | 6.40\% | 6.40\% | 6.40\% | 6.40\% | 6.40\% | 6.40\% | 6.40\% |
| 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) |

## total DEFAULT SERVICE CHARGE

Total Retail Rate - Residential Variable Default Service

| 25 | Charge (L. $7+\mathbf{L . 2 3})$ | $\mathbf{\$ 0 . 0 7 9 5 9}$ | $\mathbf{\$ 0 . 0 8 3 7 9}$ | $\mathbf{\$ 0 . 0 6 9 2 1}$ | $\mathbf{\$ 0 . 0 7 3 6 2}$ | $\mathbf{\$ 0 . 0 7 3 6 1}$ | $\mathbf{\$ 0 . 0 8 5 0 9}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Total Retail Rate - Residential Fixed Default Service
26 Charge (L.8+L.24)
$\$ 0.07714$

Total Retail Rate - G2 and OL Variable Default Service
27 Charge (L. $15+$ L.23)
Total Retail Rate - G2 and OL Fixed Default Service
28 Charge (L.16+L.24)


| Renewable Portfolio Standard (RPS) Charge |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17 | Reconciliation | (\$139,400) | $(\$ 163,446)$ | (\$146,460) | (\$132,225) | (\$124,380) | (\$115,116) | (\$821,028) |
| 18 | Total Costs | \$164,629 | \$219,531 | \$196,717 | \$177,599 | \$167,064 | \$154,623 | \$1,080,163 |
| 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 | 56,897,681 | 66,712,453 | 59,779,387 | 53,969,314 | 50,767,363 | 46,986,135 | 335,112,329 |
| 21 | Total, Before Losses (L. 19 / L. 20) | \$0.00044 | \$0.00084 | \$0.00084 | \$0.00084 | \$0.00084 | \$0.00084 | \$0.00077 |
| 22 | Losses | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ |
| 23 | Total Retail Rate - Variable RPS Charge (L. 21 * (1+L.22)) | \$0.00047 | \$0.00089 | \$0.00089 | \$0.00089 | \$0.00089 | \$0.00089 |  |
| 24 | Total Retail Rate - Fixed RPS Charge (L. 21 * (1+L.22)) |  |  |  |  |  |  | \$0.00082 |


| TOTAL DEFAULT SERVICE CHARGE |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25 | Total Retail Rate - Residential Variable Default Service Charge (L. 7 + L. 23) | \$0.13655 | \$0.13156 | \$0.12052 | \$0.12096 | \$0.07985 | \$0.10022 |  |
| Total Retail Rate - Residential Fixed Default Service |  |  |  |  |  |  |  |  |
| Total Retail Rate - G2 and OL Variable Default Service |  |  |  |  |  |  |  |  |
| 27 | Charge (L. $15+\mathbf{L . 2 3 )}$ | \$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 |

## CALCULATION OF THE DEFAULT SERVICE CHARGE



|  | Renewable Portfolio Standard (RPS) Charge | As shown on Schedule LSM-5, Page 1 |  |  |  |  |  |  |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 | Reconciliation | $(\$ 12,099)$ | $(\$ 13,876)$ | $(\$ 13,174)$ | $(\$ 12,515)$ | $(\$ 12,622)$ | $(\$ 10,922)$ | $(\$ 75,208)$ |
| 11 | Total Costs | $\underline{\$ 11,283}$ | $\underline{\$ 12,940}$ | $\underline{\$ 12,286}$ | $\underline{\$ 11,671}$ | $\underline{\$ 11,771}$ | $\underline{\$ 10,186}$ | $\underline{\$ 70,138}$ |
| 12 | Reconciliation plus Total Costs (L.10+ L.11) | $(\$ 816)$ | $(\$ 936)$ | $(\$ 888)$ | $(\$ 844)$ | $(\$ 851)$ | $(\$ 736)$ | $(\$ 5,071)$ |
| 13 | kWh Purchases | $\underline{3,701,568}$ | $\underline{4,245,116}$ | $\underline{4,030,393}$ | $\underline{3,828,806}$ | $\underline{3,861,455}$ | $\underline{3,341,517}$ | $23,008,856$ |
| 14 | Total, Before Losses (L.12 / L.13) | $(\$ 0.00022)$ | $(\$ 0.00022)$ | $(\$ 0.00022)$ | $(\$ 0.00022)$ | $(\$ 0.00022)$ | $(\$ 0.00022)$ |  |
| 15 | Losses | $\underline{4.591 \%}$ | $\underline{4.591 \%}$ | $\underline{4.591 \%}$ | $\underline{4.591 \%}$ | $\underline{4.591 \%}$ | $\underline{4.591 \%}$ |  |
| 16 | Total Retail Rate - RPS Charge (L.14*(1+L.15)) | $(\$ 0.00023)$ | $(\$ 0.00023)$ | $(\$ 0.00023)$ | $(\$ 0.00023)$ | $(\$ 0.00023)$ | $(\$ 0.00023)$ |  |

## TOTAL DEFAULT SERVICE CHARGE

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

## MARKET MARKET MARKET MARKET MARKET MARKET

NHPUC No. 3 - Electricity Delivery

## CALCULATION OF THE DEFAULT SERVICE CHARGE

|  | G1 Class Default Service: | Dec-18 | Jan-19 | Feb-19 | Mar-19 | Apr-19 | May-19 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Power Supply Charge |  |  |  |  |  |  |  |  |
| 1 | Reconciliation |  |  |  |  |  |  | \$18,084 |
| 2 | Total Costs excl. wholesale supplier charge |  |  |  |  |  |  | \$30,930 |
| 3 | Reconciliation plus Total Costs excl. wholesale 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 |
| 8 a 8 b | Wholesale Supplier Charge Losses | MARKET | MARKET $4.591 \%$ | $\begin{gathered} \text { MARKET } \\ 4.591 \% \end{gathered}$ | MARKET 4.591\% | MARKET $4.591 \%$ | $\begin{gathered} \text { MARKET } \\ 4.591 \% \end{gathered}$ |  |
| 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 |  |
| Renewable Portfolio Standard (RPS) Charge |  |  |  |  |  |  |  |  |
| 10 | Reconciliation | $(\$ 7,175)$ | (\$7,101) | (\$6,763) | $(\$ 6,786)$ | $(\$ 6,543)$ | $(\$ 6,626)$ | (\$40,995) |
| 11 | Total Costs | \$10,653 | \$11,990 | \$11,420 | \$11,459 | \$11,048 | \$11,188 | \$67,757 |
| 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 | 3,584,257 | 3,413,843 | 3,425,473 | 3,302,634 | 3,344,576 | 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 | 4.591\% | 4.591\% | $\underline{4.591 \%}$ | 4.591\% | 4.591\% | 4.591\% |  |
| 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 Total Retail Rate - Default Service Charge (L. 9 + L.16)

## MARKET MARKET MARKET MARKET MARKET MARKET

Authorized by NHPUC Order No. 26,180 in Case No. DE 18-035, dated October 5, 2018

Unitil Energy Systems, Inc.
Calculation of Non-G1 Class Default Service Power Supply Charge


|  |  | Beginning Balance | (b) <br> Total Costs (Page <br> 3) | (c) <br> Total Revenue (Page 4) | (d) <br> Ending Balance Before Interest $(a+b-c)$ | (e) <br> Average Monthly <br> Balance ((a+d)/2) | (f) | (g) <br> Number of Days / Month | (h) | (i) <br> Ending Balance with Interest (d + h) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
|  |  | Interest Rate |  |  |  |  | Computed Interest |  |  |
|  | Mar-18 |  | \$1,490,731 | \$4,319,314 | \$4,764,244 | \$1,045,801 | \$1,268,266 | 4.25\% | 31 | \$4,569 | \$1,050,369.69 |
|  | Apr-18 |  | \$1,050,370 | \$3,168,093 | \$4,048,270 | \$170,193 | \$610,281 | 4.50\% | 30 | \$2,257 | \$172,449.93 |
|  | May-18 | \$172,450 | \$3,000,531 | \$4,004,374 | $(\$ 831,393)$ | $(\$ 329,472)$ | 4.50\% | 31 | $(\$ 1,259)$ | $(\$ 832,652)$ |
|  | Jun-18 | $(\$ 832,652)$ | \$3,806,949 | \$3,827,765 | $(\$ 853,468)$ | $(\$ 843,060)$ | 4.50\% | 30 | $(\$ 3,118)$ | $(\$ 856,586)$ |
|  | Jul-18 | $(\$ 856,586)$ | \$4,889,594 | \$5,340,901 | (\$1,307,894) | $(\$ 1,082,240)$ | 4.75\% | 31 | $(\$ 4,366)$ | $(\$ 1,312,260)$ |
|  | Aug-18 | (\$1,312,260) | \$4,754,604 | \$4,899,870 | $(\$ 1,457,525)$ | (\$1,384,892) | 4.75\% | 31 | $(\$ 5,587)$ | $(\$ 1,463,112)$ |
|  | Sep-18 | $(\$ 1,463,112)$ | \$4,176,412 | \$4,217,981 | (\$1,504,681) | (\$1,483,897) | 4.75\% | 30 | $(\$ 5,793)$ | (\$1,510,475) |
|  | Oct-18 | (\$1,510,475) | \$3,781,605 | \$3,466,512 | (\$1,195,382) | (\$1,352,928) | 5.00\% | 31 | $(\$ 5,745)$ | $(\$ 1,201,127)$ |
| $\bigcirc$ | Nov-18 | $(\$ 1,201,127)$ | \$4,205,566 | \$3,849,602 | $(\$ 845,162)$ | $(\$ 1,023,145)$ | 5.00\% | 30 | $(\$ 4,205)$ | $(\$ 849,367)$ |
| $\stackrel{\rightharpoonup}{\perp}$ | Dec-18 | $(\$ 849,367)$ | \$7,347,515 | \$6,638,989 | (\$140,841) | $(\$ 495,104)$ | 5.00\% | 31 | $(\$ 2,102)$ | $(\$ 142,943)$ |
|  | Jan-19 | $(\$ 142,943)$ | \$7,780,574 | \$7,143,597 | \$494,033 | \$175,545 | 5.25\% | 31 | \$783 | \$494,816 |
|  | Feb-19 | \$494,816 | \$6,384,498 | \$5,942,331 | \$936,983 | \$715,899 | 5.25\% | 28 | \$2,883 | \$939,866 |
|  | Total |  | \$57,615,256 | \$58,144,437 |  |  |  |  | $(\$ 21,684)$ |  |


| Unitil Energy Systems, Inc. Itemized Costs for Non-G1 Class Default Service Charge <br> Calculation of Working Cap Supplier Charges and GIS Suppor |  |  |  |  |  |  | (g) | (h) | (i) | (j) |  | Schedule LSM-2 Page 3 of 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (a) | (b) | (c) | (d) | (e) | (f) |  |  |  |  | (k) | (I) |
|  | Total Non-G1 Class DS Supplier Charges | GIS Support Payments | Number of Days of Lag / 365 (1) | Working Capital Requirement $\left((a+b)^{*} c\right)$ | Prime Rate | Supply Related Working Capital (d *e) | Provision for Uncollected Accounts | Internal <br> Company Administrative Costs | Legal Charges | Consulting Outside Service Charges | Default Service Portion of the annual PUC Assessment | Total Costs (sum a $+\mathrm{b}+\mathrm{f}+$ $g+h+i+j+k)$ |
| Mar-18 | \$4,302,875 | \$387 | 7.27\% | \$313,018 | 4.58\% | \$14,336 | (\$912) | \$2,790 | (\$952) | \$0 | \$789 | \$4,319,314 |
| Apr-18 | \$3,051,011 | \$314 | 7.27\% | \$221,953 | 4.75\% | \$10,543 | \$102,648 | \$2,790 | \$0 | \$0 | \$787 | \$3,168,093 |
| May-18 | \$2,976,444 | \$369 | 7.27\% | \$216,533 | 4.75\% | \$10,285 | \$9,381 | \$2,790 | \$529 | \$0 | \$733 | \$3,000,531 |
| - Jun-18 | \$3,712,957 | \$281 | 7.18\% | \$266,641 | 4.89\% | \$13,039 | \$77,137 | \$2,790 | \$0 | \$0 | \$746 | \$3,806,949 |
| ¢ Jul-18 | \$4,805,676 | \$303 | 7.18\% | \$345,109 | 5.00\% | \$17,255 | \$62,789 | \$2,790 | \$0 | \$0 | \$781 | \$4,889,594 |
| cr Aug-18 | \$4,692,684 | \$758 | 7.18\% | \$337,028 | 5.00\% | \$16,851 | \$40,736 | \$2,790 | \$0 | \$0 | \$786 | \$4,754,604 |
| Sep-18 | \$4,145,069 | \$430 | 7.18\% | \$297,681 | 5.03\% | \$14,973 | \$12,363 | \$2,790 | \$0 | \$0 | \$786 | \$4,176,412 |
| Oct-18 | \$3,679,210 | \$432 | 7.18\% | \$264,229 | 5.25\% | \$13,872 | \$84,193 | \$2,790 | \$332 | \$0 | \$777 | \$3,781,605 |
| Nov-18 | \$4,156,967 | \$413 | 7.18\% | \$298,534 | 5.25\% | \$15,673 | \$28,419 | \$2,790 | \$521 | \$0 | \$784 | \$4,205,566 |
| Dec-18 | \$7,230,936 | \$312 | 7.18\% | \$519,263 | 5.35\% | \$27,781 | \$84,735 | \$2,961 | \$0 | \$0 | \$791 | \$7,347,515 |
| Jan-19 | \$7,690,820 | \$345 | 7.18\% | \$552,289 | 5.50\% | \$30,376 | \$55,281 | \$2,961 | \$0 | \$0 | \$790 | \$7,780,574 |
| Feb-19 | \$6,314,335 | \$452 | 7.18\% | \$453,454 | 5.50\% | \$24,940 | \$41,022 | \$2,961 | \$0 | \$0 | \$788 | \$6,384,498 |
| Total | \$56,758,983 | \$4,797 |  |  |  | \$209,925 | \$597,792 | \$33,993 | \$430 | \$0 | \$9,337 | \$57,615,256 |

 22 of 23, DE 17-038 filed April 3, 2017.
 DTN-1, Page 22 of 23, DE 18-035 filed April 6, 2018.

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Unitil Energy Systems, Inc.
Schedule LSM-2
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Non-G1 Class Default Service Power Supply Charge Revenue
Page 4 of 5

|  |  | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) | (1) | (m) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total Residential Class Billed Default Service kWh (1) | Unbilled Factor (2) | Residential Class Unbilled kWh (a*b) | Effective Fixed Power Supply Charge | Residential Class Unbilled Power Supply Charge Revenue (c *d) | Total G2/OL Class Billed Default Service kWh (1) | Unbilled <br> Factor (2) | G2/OL Class Unbilled kWh (f * g) | Effective Fixed Power Supply Charge | G2/OL Class Unbilled Power Supply Charge Revenue (h *i) | Reversal of prior month unbilled | Total Billed NonG1 Class Power Supply Charge Revenue (1) | Total Revenue $(e+j+k+l)$ |
|  | Mar-18 | 35,032,736 | 49.0\% | 17,150,148 | \$0.09612 | \$1,648,472 | 14,606,069 | 49.0\% | 7,150,348 | \$0.08959 | \$640,600 | (\$2,225,897) | \$4,701,069 | \$4,764,244 |
|  | Apr-18 | 32,284,752 | 47.2\% | 15,239,398 | \$0.09612 | \$1,464,811 | 13,809,110 | 47.2\% | 6,518,325 | \$0.08959 | \$583,977 | (\$2,289,072) | \$4,288,554 | \$4,048,270 |
|  | May-18 | 29,208,802 | 50.3\% | 14,679,308 | \$0.09612 | \$1,410,975 | 14,345,693 | 50.3\% | 7,209,636 | \$0.08959 | \$645,911 | (\$2,048,788) | \$3,996,276 | \$4,004,374 |
|  | Jun-18 | 32,908,337 | 47.5\% | 15,628,983 | \$0.08067 | \$1,260,790 | 15,747,520 | 47.5\% | 7,478,887 | \$0.07206 | \$538,929 | $(\$ 2,056,886)$ | \$4,084,933 | \$3,827,765 |
|  | Jul-18 | 41,032,931 | 57.1\% | 23,420,241 | \$0.08067 | \$1,889,311 | 17,274,015 | 57.1\% | 9,859,437 | \$0.07206 | \$710,471 | (\$1,799,719) | \$4,540,838 | \$5,340,901 |
|  | Aug-18 | 47,925,531 | 43.4\% | 20,811,399 | \$0.08067 | \$1,678,856 | 19,065,299 | 43.4\% | 8,279,001 | \$0.07206 | \$596,585 | $(\$ 2,599,782)$ | \$5,224,211 | \$4,899,870 |
|  | Sep-18 | 41,118,973 | 42.5\% | 17,477,885 | \$0.08067 | \$1,409,941 | 17,253,753 | 42.5\% | 7,333,819 | \$0.07206 | \$528,475 | $(\$ 2,275,440)$ | \$4,555,006 | \$4,217,981 |
|  | Oct-18 | 31,079,971 | 51.3\% | 15,955,331 | \$0.08067 | \$1,287,117 | 14,683,599 | 51.3\% | 7,538,028 | \$0.07206 | \$543,190 | (\$1,938,416) | \$3,574,622 | \$3,466,512 |
|  | Nov-18 | 32,182,968 | 56.6\% | 18,226,825 | \$0.08067 | \$1,470,358 | 14,108,187 | 56.6\% | 7,990,172 | \$0.07206 | \$575,772 | $(\$ 1,830,307)$ | \$3,633,779 | \$3,849,602 |
|  | Dec-18 | 40,169,268 | 49.0\% | 19,693,126 | \$0.11607 | \$2,285,781 | 17,049,261 | 49.0\% | 8,358,460 | \$0.10516 | \$878,976 | $(\$ 2,046,130)$ | \$5,520,362 | \$6,638,989 |
|  | Jan-19 | 43,145,496 | 51.0\% | 22,003,751 | \$0.11607 | \$2,553,975 | 16,704,832 | 51.0\% | 8,519,289 | \$0.10516 | \$895,888 | (\$3,164,757) | \$6,858,490 | \$7,143,597 |
|  | Feb-19 | 39,637,517 | 46.1\% | 18,292,062 | \$0.11607 | \$2,123,160 | 16,698,220 | 46.1\% | 7,705,954 | \$0.10516 | \$810,358 | (\$3,449,864) | \$6,458,677 | \$5,942,331 |
| N | Total | 445,727,282 |  |  |  | \$20,483,546 | 191,345,558 |  |  |  | \$7,949,132 | (\$27,725,057) | \$57,436,816 | \$58,144,437 |

## (1) Per billing system

(2) Detail of Unbilled Factors for the Residential, Regular General, and Outdoor Lighting Classes:

|  | Non-G1 Class Billed kWh | Direct Estimate of Unbilled kWh | Unbilled kWh / Billed kWh |
| :---: | :---: | :---: | :---: |
| Mar-18 | 68,879,256 | 33,719,588 | 49.0\% |
| Apr-18 | 64,217,279 | 30,312,535 | 47.2\% |
| May-18 | 60,863,278 | 30,587,725 | 50.3\% |
| Jun-18 | 68,002,641 | 32,296,136 | 47.5\% |
| Jul-18 | 78,898,307 | 45,032,546 | 57.1\% |
| Aug-18 | 90,022,732 | 39,091,877 | 43.4\% |
| Sep-18 | 78,785,456 | 33,488,266 | 42.5\% |
| Oct-18 | 63,358,386 | 32,525,899 | 51.3\% |
| Nov-18 | 62,957,572 | 35,656,024 | 56.6\% |
| Dec-18 | 76,154,243 | 37,334,887 | 49.0\% |
| Jan-19 | 79,099,974 | 40,340,158 | 51.0\% |
| Feb-19 | 74,824,924 | 34,530,472 | 46.1\% |


$\stackrel{\circ}{\mathrm{N}}$
Total Costs Allocated to the Residential Class and the G2/OL Class

|  | Non-G1 Class (Residential) DS Supplier Charges (col. a) | Allocation of Remaining Costs (col. o) to Residential Class (3) (ii) | Total Non-G1 Class (Residential) Power Supply Charges (iii) $=$ (i) + (ii) | Non-G1 Class ( G 2 and OL ) DS Supplier Charges (col. <br> b) <br> (iv) | Allocation of Remaining Costs (col. o) to G2 and OL Class (3) (v) | Total Non-G1 Class (G2 and <br> OL) Power Supply Charges (vi) $=(\mathrm{iv})+(\mathrm{v})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun-19 |  |  | \$2,408,295 |  |  | \$989,505 |
| Jul-19 |  |  | \$3,496,382 |  |  | \$1,445,851 |
| Aug-19 |  |  | \$3,128,904 |  |  | \$1,296,935 |
| Sep-19 |  |  | \$2,581,527 |  |  | \$1,084,490 |
| Oct-19 |  |  | \$2,614,687 |  |  | \$904,382 |
| Nov-19 |  |  | \$2,697,146 |  |  | \$1,141,148 |
| Total |  |  | \$16,926,942 |  |  | \$6,862,312 |

(1) Estimates based on monthly average wholesale rate times estimated monthly purchases.
(2) Number of days lag equals 27.35 . Calculated using revenue lag of 63.94 days less cost lead of 36.59 days. Revenue lag per Schedule DTN-1, Page 4 of 23 and cost lead per Schedule DTN-1, Page 22 of 23 , DE $19-049$ filed April 5 , 2019 . (3) Remaining Costs (column o) allocated between the Residential Class and the G2 and Outdoor Lighting Class based on estimated monthly kWh purchases, as shown below:

|  | Estimated kWh Purchases Residential Class | Estimated kWh Purchases - G2 and OL Class | Total Non-G1 Class kWh Purchases | Residential <br> Class kWh <br> Purchases / <br> Total Non-G1 <br> Class kWh <br> Purchases | G2 and OL <br> Class kWh <br> Purchases / <br> Total Non-G1 <br> Class kWh <br> Purchases |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Jun-19 | 31,509,144 | 15,171,431 | 46,680,575 | 67.5\% | 32.5\% |
| Jul-19 | 43,498,146 | 18,863,021 | 62,361,168 | 69.8\% | 30.2\% |
| Aug-19 | 46,925,177 | 20,076,830 | 67,002,007 | 70.0\% | 30.0\% |
| Sep-19 | 36,452,359 | 16,426,885 | 52,879,245 | 68.9\% | 31.1\% |
| Oct-19 | 36,923,994 | 18,068,617 | 54,992,611 | 67.1\% | 32.9\% |
| Nov-19 | 33,053,245 | 15,028,943 | 48,082,188 | 68.7\% | 31.3\% |
| Total | 228,362,066 | 103,635,726 | 331,997,793 |  |  |

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Unitil Energy Systems, Inc
Calculation of Non-G1 Class Default Service Renewable Portfolio Standard (RPS) Charge

| Jun-19 <br> Estimated | Jul-19 <br> Estimated | Aug-19 <br> Estimated | Sep-19 <br> Estimated | Oct-19 <br> Estimated | Nov-19 <br> Estimated | Total <br> $(\$ 145,933)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\underline{(\$ 194,953)}$ | $(\$ 209,462)$ | $\underline{(\$ 165,311)}$ | $(\$ 171,918)$ | $\underline{(\$ 150,314)}$ | $(\$ 1,037,891)$ |  |
| $(\$ 5,855)$ | $(\$ 7,825)$ | $(\$ 8,408)$ | $(\$ 6,634)$ | $(\$ 6,897)$ | $(\$ 6,032)$ | $(\$ 41,653)$ |
| $\underline{46,680,575}$ | $\underline{62,361,168}$ | $\underline{67,002,007}$ | $\underline{52,879,245}$ | $\underline{54,992,611}$ | $\underline{48,082,188}$ | $\underline{331,997,793}$ |
| $(\$ 0.00013)$ | $(\$ 0.00013)$ | $(\$ 0.00013)$ | $\underline{(\$ 0.00013)}$ | $(\$ 0.00013)$ | $(\$ 0.00013)$ | $(\$ 0.00013)$ |
| $\underline{6.40 \%}$ | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ | $\underline{6.40 \%}$ |
| $(\$ 0.00013)$ | $(\$ 0.00013)$ | $(\$ 0.00013)$ | $(\$ 0.00013)$ | $(\$ 0.00013)$ | $(\$ 0.00013)$ |  |

(1) Balance as of February 28, 2019 modified, as detailed below, to reflect that current rates include a reconciliation through May 31, 2019. Figure is then allocated between rate periods (June-November 2019 and December 2019-May 2020) and then to each month, June through November 2019, on equal per kWh basis.
a February 28, 2019 actual balance - Schedule LSM-3, Page 2
b less: Estimated remaining prior period reconciliation - Mar, Apr, May 2019:
c
Estimated kWh Sales Mar-May 2019
e
e
$f$ Total reconciliation for June 1, 2019-May 31, 2020 (line a - line e)
g Rate period: June-November 2019
h Rate period: December 2019-May 2020
i Total

| Non-G1 total | Reconciliation |  |
| :---: | :---: | :---: |
| kWh purchases  <br> $331,997,793$ \% per period | Rer period <br> per |  |
| $\underline{331,748,784}$ | $49.92 \%$ | $(\$ 1,037,891)$ |
| $663,746,577$ |  | $\frac{(\$ 1,037,061)}{(\$ 2,074,951)}$ |

Unitil Energy Systems, Inc
Reconciliation of Non-G1 Class RPS Costs and Revenues

Schedule LSM-3
Page 2 of 5

|  |  | Beginning Balance | (b) <br> Total Costs (Page <br> 3) | (c) <br> Total Revenue <br> (Page 4) | (d) <br> Ending Balance Before Interest ( $a+b-c$ ) | (e) <br> Average Monthly <br> Balance ((a+d) / 2) | (f) <br> Interest Rate | (g) <br> Number of Days / Month | (h) | (i) <br> Ending Balance with Interest ( $\mathrm{d}+\mathrm{h}$ ) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
|  |  | Computed Interest |  |  |  |  |  |  |  |
|  | Mar-18 |  | (\$1,877,721) | \$259,968 | \$212,622 | (\$1,830,376) | (\$1,854,048) | 4.25\% | 31 | $(\$ 6,692)$ | $(\$ 1,837,068)$ |
|  | Apr-18 |  | (\$1,837,068) | \$274,755 | \$183,958 | (\$1,746,271) | (\$1,791,669) | 4.50\% | 30 | $(\$ 6,627)$ | (\$1,752,898) |
|  | May-18 | (\$1,752,898) | \$274,755 | \$184,470 | (\$1,662,613) | (\$1,707,755) | 4.50\% | 31 | $(\$ 6,527)$ | $(\$ 1,669,140)$ |
|  | Jun-18 | $(\$ 1,669,140)$ | $(\$ 225,582)$ | \$85,514 | (\$1,980,236) | (\$1,824,688) | 4.50\% | 30 | $(\$ 6,749)$ | (\$1,986,985) |
|  | Jul-18 | (\$1,986,985) | \$232,718 | \$117,143 | (\$1,871,410) | $(\$ 1,929,197)$ | 4.75\% | 31 | $(\$ 7,783)$ | $(\$ 1,879,192)$ |
|  | Aug-18 | $(\$ 1,879,192)$ | \$232,718 | \$107,359 | (\$1,753,833) | (\$1,816,513) | 4.75\% | 31 | $(\$ 7,328)$ | (\$1,761,161) |
|  | Sep-18 | (\$1,761,161) | \$285,454 | \$92,494 | (\$1,568,202) | (\$1,664,681) | 4.75\% | 30 | $(\$ 6,499)$ | (\$1,574,701) |
|  | Oct-18 | (\$1,574,701) | $(\$ 321,339)$ | \$76,018 | $(\$ 1,972,058)$ | (\$1,773,379) | 5.00\% | 31 | $(\$ 16,525)(1)$ | $(\$ 1,988,583)$ |
| \% | Nov-18 | $(\$ 1,988,583)$ | \$238,184 | \$83,800 | $(\$ 1,834,199)$ | (\$1,911,391) | 5.00\% | 30 | $(\$ 7,855)$ | (\$1,842,054) |
| N | Dec-18 | (\$1,842,054) | (\$779,076) | \$49,358 | (\$2,670,488) | (\$2,256,271) | 5.00\% | 31 | $(\$ 9,581)$ | (\$2,680,069) |
|  | Jan-19 | (\$2,680,069) | \$152,964 | \$50,410 | $(\$ 2,577,515)$ | (\$2,628,792) | 5.25\% | 31 | $(\$ 11,722)$ | (\$2,589,237) |
|  | Feb-19 | (\$2,589,237) | \$195,092 | \$42,862 | (\$2,437,007) | $(\$ 2,513,122)$ | 5.25\% | 28 | $(\$ 10,121)$ | $(\$ 2,447,129)$ |
|  | Total |  | \$820,610 | \$1,286,008 |  |  |  |  | (\$104,009) |  |

(1) Includes $(\$ 8,994)$ to related to correction to June 2018 costs and working capital.

|  |  | (a) | Calculation of Working Capital |  |  |  | (f)Total Costs (sum a +e) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | (b) | (c) | (d) | (e) |  |
|  |  |  | Working |  |  |  |
|  |  | Number of | Capital |  |  |  |
|  |  | $\begin{gathered} \text { Days of Lag / } \\ 365(1) \end{gathered}$ | Requirement (a*b) | Prime Rate | Supply Related Working Capital (c * d) |  |
|  | Mar-18 |  | \$269,736 | (79.07\%) | $(\$ 213,268)$ | 4.58\% | $(\$ 9,768)$ | \$259,968 |
|  | Apr-18 |  | \$285,476 | (79.07\%) | (\$225,714) | 4.75\% | $(\$ 10,721)$ | \$274,755 |
|  | May-18 |  | \$285,476 | (79.07\%) | (\$225,714) | 4.75\% | $(\$ 10,721)$ | \$274,755 |
|  | Jun-18 |  | $(\$ 232,982)$ | (64.96\%) | \$151,336 | 4.89\% | \$7,400 | (\$225,582) |
| $\stackrel{\sim}{N}$ | Jul-18 | \$240,530 | (64.96\%) | $(\$ 156,239)$ | 5.00\% | $(\$ 7,812)$ | \$232,718 |
|  | Aug-18 | \$240,530 | (64.96\%) | $(\$ 156,239)$ | 5.00\% | $(\$ 7,812)$ | \$232,718 |
|  | Sep-18 | \$295,095 | (64.96\%) | $(\$ 191,683)$ | 5.03\% | $(\$ 9,642)$ | \$285,454 |
|  | Oct-18 | $(\$ 331,286)$ | (64.96\%) | \$215,190 | 5.25\% | \$9,946 (2) | $(\$ 321,339)$ |
|  | Nov-18 | \$246,593 | (64.96\%) | $(\$ 160,177)$ | 5.25\% | $(\$ 8,409)$ | \$238,184 |
|  | Dec-18 | $(\$ 807,124)$ | (64.96\%) | \$524,277 | 5.35\% | \$28,049 | $(\$ 779,076)$ |
|  | Jan-19 | \$158,631 | (64.96\%) | $(\$ 103,041)$ | 5.50\% | $(\$ 5,667)$ | \$152,964 |
|  | Feb-19 | \$202,320 | (64.96\%) | $(\$ 131,419)$ | 5.50\% | $(\$ 7,228)$ | \$195,092 |
|  | Total | \$852,995 |  |  |  | $(\$ 32,385)$ | \$820,610 |

(1) For the months March-May 2018, number of days lag equals (288.59). Calculated using revenue lag of 61.15 days less cost lead of 349.74 days. Revenue lag per Schedule DN-1, Page 4 of 23 and cost lead per Schedule DN-1, Page 22 of 23, DE 17-038 filed April 3, 2017.
For the months June 2018-February 2019, number of days lag equals (237.09). Calculated using revenue lag of 64.11 days less cost lead of 301.20 days. Revenue lag per Schedule DTN-1, Page 4 of 23 and cost lead per Schedule DTN-1, Page 22 of 23, DE 18-035 filed April 6, 2018.
(2) Includes ( $\$ 1,351.33$ ) to correct working capital for entry made in June 2018.

Unitil Energy Systems, Inc.
Non-G1 Class Default Service Renewable Portfolio Standard Charge Revenue

|  |  | (a) <br> Total Non-G1 Class Billed Default Service kWh (1) | (b) <br> Unbilled Factor (2) | (c) <br> Non-G1 Class Unbilled kWh (a*b) | (d) <br> Effective Fixed RPS Charge | (e) <br> Non-G1 Class Unbilled RPS Charge Revenue (c * d) | (f) <br> Reversal of prior month unbilled | (g) Total Billed NonG1 Class RPS Charge Revenue (1) | (h) <br> Total Revenue $(e+f+g)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mar-18 | 49,638,805 | 49.0\% | 24,300,495 | \$0.00422 | \$102,548 | $(\$ 99,576)$ | \$209,650 | \$212,622 |
|  | Apr-18 | 46,093,862 | 47.2\% | 21,757,723 | \$0.00422 | \$91,818 | $(\$ 102,548)$ | \$194,688 | \$183,958 |
|  | May-18 | 43,554,495 | 50.3\% | 21,888,944 | \$0.00422 | \$92,371 | $(\$ 91,818)$ | \$183,916 | \$184,470 |
|  | Jun-18 | 48,655,857 | 47.5\% | 23,107,870 | \$0.00171 | \$39,514 | $(\$ 92,371)$ | \$138,371 | \$85,514 |
|  | Jul-18 | 58,306,946 | 57.1\% | 33,279,678 | \$0.00171 | \$56,908 | $(\$ 39,514)$ | \$99,749 | \$117,143 |
|  | Aug-18 | 66,990,830 | 43.4\% | 29,090,400 | \$0.00171 | \$49,745 | $(\$ 56,908)$ | \$114,522 | \$107,359 |
|  | Sep-18 | 58,372,726 | 42.5\% | 24,811,703 | \$0.00171 | \$42,428 | $(\$ 49,745)$ | \$99,811 | \$92,494 |
|  | Oct-18 | 45,763,570 | 51.3\% | 23,493,358 | \$0.00171 | \$40,174 | $(\$ 42,428)$ | \$78,272 | \$76,018 |
| N | Nov-18 | 46,291,155 | 56.6\% | 26,216,998 | \$0.00171 | \$44,831 | $(\$ 40,174)$ | \$79,143 | \$83,800 |
| N | Dec-18 | 57,218,529 | 49.0\% | 28,051,586 | \$0.00082 | \$23,002 | $(\$ 44,831)$ | \$71,187 | \$49,358 |
|  | Jan-19 | 59,850,328 | 51.0\% | 30,523,040 | \$0.00082 | \$25,029 | $(\$ 23,002)$ | \$48,383 | \$50,410 |
|  | Feb-19 | 56,335,737 | 46.1\% | 25,998,016 | \$0.00082 | \$21,318 | (\$25,029) | \$46,573 | \$42,862 |
|  | Total | 637,072,840 |  |  |  | \$629,687 | $(\$ 707,944)$ | \$1,364,266 | \$1,286,008 |

(1) Per billing system
(2) Detail of Unbilled Factors for the Residential, Regular General, and Outdoor Lighting Classes:

|  | Billed kWh | Direct Estimate of Unbilled kWh | Unbilled kWh / Billed kWh |
| :---: | :---: | :---: | :---: |
| Mar-18 | 68,879,256 | 33,719,588 | 49.0\% |
| Apr-18 | 64,217,279 | 30,312,535 | 47.2\% |
| May-18 | 60,863,278 | 30,587,725 | 50.3\% |
| Jun-18 | 68,002,641 | 32,296,136 | 47.5\% |
| Jul-18 | 78,898,307 | 45,032,546 | 57.1\% |
| Aug-18 | 90,022,732 | 39,091,877 | 43.4\% |
| Sep-18 | 78,785,456 | 33,488,266 | 42.5\% |
| Oct-18 | 63,358,386 | 32,525,899 | 51.3\% |
| Nov-18 | 62,957,572 | 35,656,024 | 56.6\% |
| Dec-18 | 76,154,243 | 37,334,887 | 49.0\% |
| Jan-19 | 79,099,974 | 40,340,158 | 51.0\% |
| Feb-19 | 74,824,924 | 34,530,472 | 46.1\% |

Unitil Energy Systems, Inc.
Itemized Costs for Non-G1 Class Default Service Renewable Portfolio Standard Charge

|  |  | Calculation of Working Capital |  |  |  |  | (f) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | (a) | (b) | (c) | (d) | (e) |  |
|  |  | Renewable Energy Credits <br> (1) | $\begin{gathered} \text { Number of } \\ \text { Days of Lag / } \\ 365(2) \\ \hline \end{gathered}$ | Working Capital Requirement (a*b) | Prime Rate | Supply Related Working Capital (c *d) |  |
| $\begin{aligned} & \mathbf{N} \\ & \underset{\omega}{N} \end{aligned}$ | Jun-19 | \$145,799 | (71.35\%) | $(\$ 104,033)$ | 5.50\% | $(\$ 5,722)$ | \$140,077 |
|  | Jul-19 | \$194,772 | (71.35\%) | $(\$ 138,976)$ | 5.50\% | $(\$ 7,644)$ | \$187,128 |
|  | Aug-19 | \$209,266 | (71.35\%) | $(\$ 149,319)$ | 5.50\% | $(\$ 8,213)$ | \$201,054 |
|  | Sep-19 | \$165,158 | (71.35\%) | $(\$ 117,846)$ | 5.50\% | $(\$ 6,482)$ | \$158,676 |
|  | Oct-19 | \$171,761 | (71.35\%) | $(\$ 122,557)$ | 5.50\% | $(\$ 6,741)$ | \$165,020 |
|  | Nov-19 | \$150,175 | (71.35\%) | $(\$ 107,155)$ | 5.50\% | $(\$ 5,894)$ | \$144,282 |
|  | Total | \$1,036,932 |  |  |  | (\$40,694) | \$996,238 |

(1) Schedule JMP-4.
(2) Number of days lag equals (260.44). Calculated using revenue lag of 63.94 days less cost lead of 324.38 days. Revenue lag per Schedule DTN-1, Page 4 of 23 and cost lead per Schedule DTN-1, Page 22 of 23, DE 19-049 filed April 5, 2019.

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Unitil Energy Systems, Inc.
Calculation of G1 Large General Service Class Default Service Power Supply Charge

| 1 | Reconciliation (1) | Total <br> Jun19-Nov19 |
| :--- | :--- | :---: |
| 2 | Total Costs excl. wholesale supplier charge (Page 5) | $\underline{(\$ 1,576)}$ |
| 3 | Reconciliation plus Total Costs excl. wholesale supplier charge (L.1 + L.2) | $\underline{\$ 24,908}$ |
| 4 | kWh Purchases | $\underline{23,008,856}$ |
| 5 | Total, Before Losses (L.3 / L.4) | $\$ 0.00101$ |
| 6 | Losses | $\underline{4.591 \%}$ |
| 7 | Power Supply Charge excl. wholesale supplier charge (L.5 * (1+L.6)) (2) | $\$ 0.00106$ |

(1) Balance as of February 28, 2019 modified, as detailed below, to reflect that current rates include a reconciliation through May 31, 2019 and to incorporate the difference between the estimated supplier cost and revenue in March 2019. Figure is then allocated between rate periods (JuneNovember 2019 and December 2019-May 2020) and then to each month, June through November 2019, on equal per kWh basis.

February 28, 2019 actual balance - Schedule LSM-4, Page 2
less: Estimated remaining prior period reconciliation - Mar, Apr, May 2019:
less: Estimated remaining prior period reconciliation - Mar, Apr, May 2019:
Estimated kWh Sales March-May 2019
Amount of reconciliation in current rate
less: Estimated remaining prior period reconciliation - Mar, Apr, May 2019:
Estimated kWh Sales March-May 2019
Amount of reconciliation in current rate
9,630,545
Estimated amount of reconciliation to be credited March-May 2019
$\frac{\$ 0.00091}{\$ 8,764}$
e
the estimated supplier cost and revenue in March 2019
\$12,642
plus: Estimated difference between the estimated supplier cost and revenue in March 2019
$(\$ 2,978)$
Total reconciliation for June 1, 2019-May 31, 2020 (line a - line e + line f)
23,008,856 52.93\%
kWh purchases forecast June-November 2019
20,464,644 47.07\%

Total
43,473,500
Reconciliation amount for June-November 2019
I Reconciliation amount for December 2019-May 2020
(line g * line h\%)
(line g * line i\%)
Total

| $(\$ 1,576)$ |
| :--- |
| $(\$ 1,402)$ |
| $(\$ 2,978)$ |

(2) The total G1 Power Supply Charge will equal the sum of Line 7 plus a wholesale supplier charge which shall be determined at the end of each month. The wholesale supply charges will be determined as the sum of the average ISO-New England real time hourly locational marginal prices for the New Hampshire load zone, weighted by the wholesale hourly kWh volumes of the Company's G1 Default Service customers, and charges for capacity, ancillary services, and other supplier costs established through a competitive bidding process.

Unitil Energy Systems, Inc.
Reconciliation of G1 Class Power Supply Charge Costs and Revenues

Schedule LSM-4
Page 2 of 5

|  |  | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Ending |  |  |  |  |  |
|  |  |  |  |  | Balance | Average |  |  |  |  |
|  |  | Beginning Balance | Total Costs (Page 3) | Total Revenue (Page 4) | Before Interest ( $\mathrm{a}+\mathrm{b}-\mathrm{c}$ ) | Monthly Balance ((a+d)/2) | Interest Rate | Number of Days / Month | Computed Interest | Ending Balance with Interest (d + h) |
|  | Mar-18 | (\$116,661) | \$191,957 | \$163,278 | $(\$ 87,981)$ | (\$102,321) | 4.25\% | 31 | (\$370) | $(\$ 88,351)$ |
|  | Apr-18 | $(\$ 88,351)$ | \$200,937 | \$205,145 | $(\$ 92,560)$ | $(\$ 90,456)$ | 4.50\% | 30 | (\$335) | $(\$ 92,895)$ |
|  | May-18 | $(\$ 92,895)$ | \$212,445 | \$681,408 | $(\$ 561,857)$ | $(\$ 327,376)$ | 4.50\% | 31 | $(\$ 1,251)$ | $(\$ 563,108)$ |
| \% | Jun-18 | $(\$ 563,108)$ | \$264,116 | \$307,982 | $(\$ 606,975)$ | $(\$ 585,041)$ | 4.50\% | 30 | $(\$ 2,164)$ | $(\$ 609,138)$ |
| \% | Jul-18 | $(\$ 609,138)$ | \$204,046 | \$233,695 | $(\$ 638,787)$ | $(\$ 623,963)$ | 4.75\% | 31 | $(\$ 2,517)$ | $(\$ 641,304)$ |
|  | Aug-18 | $(\$ 641,304)$ | \$402,664 | \$309,259 | $(\$ 547,900)$ | $(\$ 594,602)$ | 4.75\% | 31 | $(\$ 2,399)$ | $(\$ 550,298)$ |
|  | Sep-18 | $(\$ 550,298)$ | \$411,400 | \$287,361 | $(\$ 426,259)$ | $(\$ 488,279)$ | 4.75\% | 30 | $(\$ 1,906)$ | $(\$ 428,165)$ |
|  | Oct-18 | $(\$ 428,165)$ | \$466,203 | \$312,757 | $(\$ 274,718)$ | $(\$ 351,442)$ | 5.00\% | 31 | $(\$ 1,492)$ | $(\$ 276,211)$ |
|  | Nov-18 | $(\$ 276,211)$ | \$464,032 | \$234,080 | $(\$ 46,259)$ | $(\$ 161,235)$ | 5.00\% | 30 | (\$663) | $(\$ 46,922)$ |
|  | Dec-18 | $(\$ 46,922)$ | \$387,990 | \$285,918 | \$55,151 | \$4,115 | 5.00\% | 31 | \$17 | \$55,168 |
|  | Jan-19 | \$55,168 | \$295,537 | \$312,443 | \$38,263 | \$46,716 | 5.25\% | 31 | \$208 | \$38,471 |
|  | Feb-19 | \$38,471 | \$260,268 | \$305,659 | $(\$ 6,920)$ | \$15,776 | 5.25\% | 28 | \$64 | $(\$ 6,857)$ |
|  | Total |  | \$3,761,595 | \$3,638,983 |  |  |  |  | $(\$ 12,808)$ |  |

(1) Includes correction of (\$0.58).

## Redacted

Unitil Energy Systems, Inc.
Itemized Costs for G1 Class Default Service Power Supply Charge

Schedule LSM-4
Itemized Costs for G1 Class Default Service Power Supply Charge
Page 3 of 5

|  |  | Calculation of Working Capital ier Charges and GIS Support Payments |  |  |  |  |  | (g) | (h) | (i) | (j) |  | (1) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | (a) | (b) | (c) | (d) | (e) | (f) |  |  |  |  |  |  |
|  |  | Total G1 Class DS Supplier Charges | GIS <br> Support Payments | Number of Days of Lag / 365 (1) | Working Capital Requirement | Prime Rate | Supply Related Working Capital (d *e) | Provision for Uncollected Accounts | Internal Company Administrative Costs | Legal Charges | Consulting Outside Service Charges | Default Service Portion of the annual PUC Assessment | $\begin{gathered} \text { Total Costs } \\ (\text { sum } a+b+f+ \\ g+h+i+j+k) \end{gathered}$ |
| ON | Mar-18 |  | \$22 | 0.35\% |  | 4.58\% |  |  | \$4,290 | (\$57) | \$0 | \$44 | \$191,957 |
|  | Apr-18 |  | \$19 | 0.35\% |  | 4.75\% |  |  | \$4,290 | \$0 | \$0 | \$47 | \$200,937 |
|  | May-18 |  | \$51 | 0.35\% |  | 4.75\% |  |  | \$4,290 | \$73 | \$0 | \$101 | \$212,445 |
|  | Jun-18 |  | \$33 | 3.47\% |  | 4.89\% |  |  | \$4,290 | \$0 | \$0 | \$87 | \$264,116 |
|  | Jul-18 |  | \$20 | 3.47\% |  | 5.00\% |  |  | \$4,290 | \$0 | \$0 | \$52 | \$204,046 |
|  | Aug-18 |  | \$46 | 3.47\% |  | 5.00\% |  |  | \$4,290 | \$0 | \$0 | \$48 | \$402,664 |
|  | Sep-18 |  | \$26 | 3.47\% |  | 5.03\% |  |  | \$4,290 | \$0 | \$0 | \$47 | \$411,400 |
|  | Oct-18 |  | \$32 | 3.47\% |  | 5.25\% |  |  | \$4,290 | \$24 | \$0 | \$57 | \$466,203 |
|  | Nov-18 |  | \$26 | 3.47\% |  | 5.25\% |  |  | \$4,290 | \$33 | \$0 | \$50 | \$464,032 |
|  | Dec-18 |  | \$17 | 3.47\% |  | 5.35\% |  |  | \$4,590 | \$0 | \$0 | \$43 | \$387,990 |
|  | Jan-19 |  | \$19 | 3.47\% |  | 5.50\% |  |  | \$4,590 | \$0 | \$0 | \$43 | \$295,537 |
|  | Feb-19 |  | \$26 | 3.47\% |  | 5.50\% |  |  | \$4,590 | \$0 | \$0 | \$45 | \$260,268 |
|  | Total |  | \$335 |  |  |  |  |  | \$52,380 | \$73 | \$0 | \$663 | \$3,761,595 |

 lead per Schedule DN-1, Page 20 of 23, DE 17-038 filed April 3, 2017.
 and cost lead per Schedule DTN-1, Page 20 of 23, DE 18-035 filed April 6, 2018.

Unitil Energy Systems, Inc
G1 Class Default Service Power Supply Charge Revenue

Page 4 of 5

|  | (a) <br> Total G1 Class Billed Default Service kWh (1) | (b) <br> Unbilled Factor <br> (2) | $\begin{gathered} \text { (c) } \\ \text { G1 Class } \\ \begin{array}{l} \text { Unbilled kWh } \\ (\mathrm{a} * \mathrm{~b}) \end{array} \\ \hline \end{gathered}$ | (d) <br> Effective Variable Power Supply Charge | (e) <br> G1 Class Unbilled Power Supply Charge Revenue (c *d) | (f) <br> Reversal of prior month unbilled | (g) <br> Total Billed G1 Class Power Supply Charge Revenue (1) | (h) <br> Total Revenue $(e+f+g)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar-18 | 2,783,971 | 48.0\% | 1,335,348 | \$0.08511 | \$113,651 | $(\$ 283,463)$ | \$333,089 | \$163,278 |
| Apr-18 | 2,731,542 | 51.8\% | 1,415,367 | \$0.07357 | \$104,129 | (\$113,651) | \$214,668 | \$205,145 |
| May-18 | 5,976,741 | 50.3\% | 3,003,698 | \$0.09268 | \$278,383 | (\$104,129) | \$507,153 | \$681,408 |
| Jun-18 | 5,684,494 | 41.7\% | 2,373,059 | \$0.06516 | \$154,629 | $(\$ 278,383)$ | \$431,736 | \$307,982 |
| Jul-18 | 3,886,851 | 51.0\% | 1,981,032 | \$0.06664 | \$132,016 | (\$154,629) | \$256,307 | \$233,695 |
| Aug-18 | 4,058,548 | 48.9\% | 1,984,579 | \$0.07627 | \$151,364 | $(\$ 132,016)$ | \$289,911 | \$309,259 |
| Sep-18 | 3,515,701 | 53.7\% | 1,886,889 | \$0.08376 | \$158,046 | (\$151,364) | \$280,679 | \$287,361 |
| Oct-18 | 3,338,482 | 51.3\% | 1,713,856 | \$0.09816 | \$168,232 | $(\$ 158,046)$ | \$302,570 | \$312,757 |
| Nov-18 | 2,943,944 | 52.0\% | 1,532,258 | \$0.08522 | \$130,579 | $(\$ 168,232)$ | \$271,733 | \$234,080 |
| Dec-18 | 3,074,918 | 49.2\% | 1,513,829 | \$0.09363 | \$141,740 | $(\$ 130,579)$ | \$274,757 | \$285,918 |
| Jan-19 | 3,260,630 | 47.7\% | 1,554,866 | \$0.09539 | \$148,319 | (\$141,740) | \$305,864 | \$312,443 |
| Feb-19 | 3,230,036 | 47.3\% | 1,528,047 | \$0.09613 | \$146,891 | (\$148,319) | \$307,086 | \$305,659 |
| Total | 44,485,858 |  |  |  | \$1,827,978 | (\$1,964,550) | \$3,775,555 | \$3,638,983 |

(1) Per billing system
(2) Detail of Unbilled Factors for the Large General Class:

|  | Billed <br> kWh | Direct <br> Estimate of Unbilled kWh | Unbilled kWh / Billed kWh |
| :---: | :---: | :---: | :---: |
| Mar-18 | 27,664,061 | 13,269,232 | 48.0\% |
| Apr-18 | 26,745,474 | 13,858,352 | 51.8\% |
| May-18 | 28,919,282 | 14,533,805 | 50.3\% |
| Jun-18 | 31,345,592 | 13,085,588 | 41.7\% |
| Jul-18 | 31,298,456 | 15,952,047 | 51.0\% |
| Aug-18 | 33,810,990 | 16,533,152 | 48.9\% |
| Sep-18 | 31,095,868 | 16,689,264 | 53.7\% |
| Oct-18 | 29,080,302 | 14,928,773 | 51.3\% |
| Nov-18 | 25,745,662 | 13,400,046 | 52.0\% |
| Dec-18 | 26,844,281 | 13,215,844 | 49.2\% |
| Jan-19 | 26,979,309 | 12,865,368 | 47.7\% |
| Feb-19 | 26,620,046 | 12,593,260 | 47.3\% |



1) DS Supplier Charges to be determined at the end of each month.
 049 filed April 5, 2019.


 month.

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```
Unitil Energy Systems, Inc.
Calculation of G1 Class Default Service Renewable Portfolio Standard (RPS) Charge
```

```
1 Reconciliation (1)
2 Total Costs (Page 5)
3 Reconciliation plus Total Costs (L.1 + L.2)
4 kWh Purchases
5 Total, Before Losses (L. 3 / L.4)
NO
```

| Jun-19 <br> Estimated | Jul-19 <br> Estimated | Aug-19 <br> Estimated | Sep-19 <br> Estimated | Oct-19 <br> Estimated | Nov-19 <br> Estimated | $\underline{\text { Total }}$ <br> $\underline{(\$ 12,099)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\underline{(\$ 13,876)}$ | $\underline{13,174)}$ | $\underline{(\$ 12,515)}$ | $\frac{(\$ 12,622)}{(\$ 10,922)}$ | $(\$ 75,208)$ |  |  |
| $(\$ 816)$ | $\underline{\$ 12,940}$ | $\underline{\$ 12,286}$ | $\underline{\$ 11,671}$ | $\underline{\$ 11,771}$ | $\underline{\$ 10,186}$ | $\underline{\$ 70,138}$ |
| $\underline{3,701,568}$ | $\underline{4,245,116}$ | $\underline{4,030,393}$ | $\underline{3,828,806}$ | $\underline{3,861,455}$ | $\underline{3,341,517}$ | $23,008,856$ |
| $(\$ 0.00022)$ | $(\$ 0.00022)$ | $(\$ 0.00022)$ | $(\$ 0.00022)$ | $(\$ 0.00022)$ | $(\$ 0.00022)$ |  |
| $\underline{4.591 \%}$ | $\underline{4.591 \%}$ | $\underline{4.591 \%}$ | $\underline{4.591 \%}$ | $\underline{4.591 \%}$ | $\underline{4.591 \%}$ |  |
| $(\$ 0.00023)$ | $(\$ 0.00023)$ | $(\$ 0.00023)$ | $(\$ 0.00023)$ | $(\$ 0.00023)$ | $(\$ 0.00023)$ |  |

(1) Balance as of February 28, 2019 modified, as detailed below, to reflect that current rates include a reconciliation through May 31, 2019. Figure is then allocated between rate periods (June-November 2019 and December 2019-May 2020) and then to each month, June through November 2019, on equal per kWh basis.
a February 28, 2019 actual balance - Schedule LSM-5, Page 2
b less: Estimated remaining prior period reconciliation - Mar, Apr, May 2019:
Estimated kWh Sales Mar-May 2019
Amount of reconciliation in current rate
Estimated amount of reconciliation - Mar-May 2019
$f$ Total reconciliation for June 1, 2019-May 31, 2020 (line a - Line e)
g kWh purchases forecast June-November 2019
$h$ kWh purchases forecast December 2019-May 2020
i Total
j Reconciliation amount for June-November 2019
k Reconciliation amount for December 2019-May 2020
/ Tota
(\$162,046)

9,640,275
(\$0.00207)
(\$19,955)
$(\$ 142,090)$

| $23,008,856$ | $52.93 \%$ |
| :--- | :--- |
| $\underline{20,464,644}$ | $47.07 \%$ |


| (line f * line g\%) | $(\$ 75,208)$ |
| :--- | ---: |
| (line f * line h\%) | $(\$ 66,882)$ |
| (line j + line k) | $(\$ 142,090)$ |

Unitil Energy Systems, Inc.
Reconciliation of G1 Class RPS Costs and Revenues

Schedule LSM-5
Page 2 of 5

(1) Includes $\$ 8,984$ to related to correction to June 2018 costs and working capital.

(1) For the months March-May 2018, number of days lag equals (302.01). Calculated using revenue lag of 42.90 days less cost lead of 344.91 days. Revenue lag per Schedule DN-1, Page 4 of 23 and cost lead per Schedule DN-1, Page 20 of 23, DE 17-038 filed April 3, 2017.
For the months June 2018-February 2019, number of days lag equals (245.08). Calculated using revenue lag of 46.32 days less cost lead of 291.40 days. Revenue lag per Schedule DTN-1, Page 4 of 23 and cost lead per Schedule DTN-1, Page 20 of 23, DE 18-035 filed April 6, 2018.
(2) Includes \$1,396.87 to correct working capital for entry made in June 2018.

Unitil Energy Systems, Inc.
G1 Class Default Service Renewable Portfolio Standard Charge Revenue

Schedule LSM-5
Page 4 of 5
(a)
(b)
(c)
(d)
(e)
(f)
(g)
(h)

Total G1 Class
Billed Default Unbilled Factor G1 Class Unbilled Variable RPS
Effective
G1 Class Unbilled Reversal of
Total Billed G1

| Service kWh (1) | $(2)$ | kWh $\left(\mathrm{a}^{*} b\right)$ | Charge | Revenue $(\mathrm{c} * \mathrm{~d})$ | unbilled | Revenue $(1)$ | $(\mathrm{e}+\mathrm{f}+\mathrm{g})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $2,783,971$ | $48.0 \%$ | $1,335,348$ | $\$ 0.00203$ | $\$ 2,711$ | $(\$ 3,380)$ | $\$ 5,651$ | $\$ 4,982$ |
| $2,731,542$ | $51.8 \%$ | $1,415,367$ | $\$ 0.00203$ | $\$ 2,873$ | $(\$ 2,711)$ | $\$ 5,545$ | $\$ 5,708$ |
| $5,976,741$ | $50.3 \%$ | $3,003,698$ | $\$ 0.00203$ | $\$ 6,098$ | $(\$ 2,873)$ | $\$ 12,133$ | $\$ 15,357$ |
| $5,684,494$ | $41.7 \%$ | $2,373,059$ | $\$ 0.00184$ | $\$ 4,366$ | $(\$ 6,098)$ | $\$ 10,883$ | $\$ 9,152$ |
| $3,886,851$ | $51.0 \%$ | $1,981,032$ | $\$ 0.00184$ | $\$ 3,645$ | $(\$ 4,366)$ | $\$ 7,152$ | $\$ 2,430$ |
| $4,058,548$ | $48.9 \%$ | $1,984,579$ | $\$ 0.00184$ | $\$ 3,652$ | $(\$ 3,645)$ | $\$ 7,468$ | $\$ 7,474$ |
| $3,515,701$ | $53.7 \%$ | $1,886,889$ | $\$ 0.00184$ | $\$ 3,472$ | $(\$ 3,652)$ | $\$ 6,469$ | $\$ 6,289$ |
| $3,338,482$ | $51.3 \%$ | $1,713,856$ | $\$ 0.00184$ | $\$ 3,153$ | $(\$ 3,472)$ | $\$ 6,143$ | $\$ 5,824$ |
| $2,943,944$ | $52.0 \%$ | $1,532,258$ | $\$ 0.00184$ | $\$ 2,819$ | $(\$ 3,153)$ | $\$ 5,417$ | $\$ 5,083$ |
| $3,074,918$ | $49.2 \%$ | $1,513,829$ | $\$ 0.00100$ | $\$ 1,514$ | $(\$ 2,819)$ | $\$ 4,398$ | $\$ 3,093$ |
| $3,260,630$ | $47.7 \%$ | $1,554,866$ | $\$ 0.00143$ | $\$ 2,223$ | $(\$ 1,514)$ | $\$ 4,005$ | $\$ 4,715$ |
| $3,230,036$ | $47.3 \%$ | $1,528,047$ | $\$ 0.00143$ | $\$ 2,185$ | $(\$ 2,223)$ | $\$ 4,619$ | $\$ 4,581$ |
| $44,485,858$ |  |  |  |  | $\$ 38,712$ | $(\$ 39,907)$ | $\$ 78,687$ |

(1) Per billing system
(2) Detail of Unbilled Factors for the Large General Class:

|  | Billed kWh | Direct <br> Estimate of Unbilled kWh | Unbilled kWh / Billed kWh |
| :---: | :---: | :---: | :---: |
| Mar-18 | 27,664,061 | 13,269,232 | 48.0\% |
| Apr-18 | 26,745,474 | 13,858,352 | 51.8\% |
| May-18 | 28,919,282 | 14,533,805 | 50.3\% |
| Jun-18 | 31,345,592 | 13,085,588 | 41.7\% |
| Jul-18 | 31,298,456 | 15,952,047 | 51.0\% |
| Aug-18 | 33,810,990 | 16,533,152 | 48.9\% |
| Sep-18 | 31,095,868 | 16,689,264 | 53.7\% |
| Oct-18 | 29,080,302 | 14,928,773 | 51.3\% |
| Nov-18 | 25,745,662 | 13,400,046 | 52.0\% |
| Dec-18 | 26,844,281 | 13,215,844 | 49.2\% |
| Jan-19 | 26,979,309 | 12,865,368 | 47.7\% |
| Feb-19 | 26,620,046 | 12,593,260 | 47.3\% |


(1) Schedule JMP-4.
(2) Number of days lag equals (272.20). Calculated using revenue lag of 39.90 days less cost lead of 312.10 days. Revenue lag per Schedule DTN-1, Page 4 of 23 and cost lead per Schedule DTN-1, Page 20 of 23, DE 19-049 filed April 5, 2019.

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Unitil Energy Systems, Inc.
Typical Bill Impacts by Rate Component
Residential Rate D 650 kWh Bill

| Rate Components | $4 / 1 / 2019$ <br> Current Rate | $6 / 1 / 2019$ <br> As Revised | Difference | Current Bill | As Revised Bill | Difference | $\%$ Difference to Total Bill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Customer Charge | \$16.12 | \$16.12 | \$0.00 | \$16.12 | \$16.12 | \$0.00 | 0.0\% |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.03537 | \$0.03537 | \$0.00000 | \$22.99 | \$22.99 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.02389 | \$0.02389 | \$0.00000 | \$15.53 | \$15.53 | \$0.00 | 0.0\% |
| Stranded Cost Charge | (\$0.00101) | (\$0.00101) | \$0.00000 | (\$0.66) | (\$0.66) | \$0.00 | 0.0\% |
| Storm Recovery Adj. | \$0.00133 | \$0.00133 | \$0.00000 | \$0.86 | \$0.86 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00576 | \$0.00576 | \$0.00000 | \$3.74 | \$3.74 | \$0.00 | 0.0\% |
| Default Service Charge | \$0.11689 | \$0.07714 | (\$0.03975) | \$75.98 | \$50.14 | (\$25.84) | (19.2\%) |
| Total kWh Charges | \$0.18223 | \$0.14248 | (\$0.03975) |  |  |  |  |
| Total Bill |  |  |  | \$134.57 | \$108.73 | (\$25.84) | (19.2\%) |


| Regular General G2 Demand, $11 \mathrm{~kW}, \mathbf{2 , 8 0 0} \mathrm{kWh}$ Typical Bill |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rate Components | 4/1/2019 <br> Current Rate | $6 / 1 / 2019$ <br> As Revised | Difference | Current Bill | As Revised Bill | Difference | $\qquad$ |
| Customer Charge | \$29.02 | \$29.02 | \$0.00 | \$29.02 | \$29.02 | \$0.00 | 0.0\% |
|  | All kW | All kW |  |  |  |  |  |
| Distribution Charge | \$10.45 | \$10.45 | \$0.00 | \$114.95 | \$114.95 | \$0.00 | 0.0\% |
| Stranded Cost Charge | (\$0.21) | (\$0.21) | \$0.00 | (\$2.31) | (\$2.31) | \$0.00 | 0.0\% |
| Total kW Charges | \$10.24 | \$10.24 | \$0.00 | \$112.64 | \$112.64 | \$0.00 | 0.0\% |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.00000 | \$0.00000 | \$0.00000 | \$0.00 | \$0.00 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.02389 | \$0.02389 | \$0.00000 | \$66.89 | \$66.89 | \$0.00 | 0.0\% |
| Stranded Cost Charge | (\$0.00021) | (\$0.00021) | \$0.00000 | (\$0.59) | (\$0.59) | \$0.00 | 0.0\% |
| Storm Recovery Adj. | \$0.00133 | \$0.00133 | \$0.00000 | \$3.72 | \$3.72 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00576 | \$0.00576 | \$0.00000 | \$16.13 | \$16.13 | \$0.00 | 0.0\% |
| Default Service Charge | \$0.10598 | \$0.06872 | (\$0.03726) | \$296.74 | \$192.42 | (\$104.33) | (19.9\%) |
| Total kWh Charges | \$0.13675 | \$0.09949 | (\$0.03726) | \$382.90 | \$278.57 | (\$104.33) | (19.9\%) |
| Total Bill |  |  |  | \$524.56 | \$420.23 | (\$104.33) | (19.9\%) |

Unitil Energy Systems, Inc.
Typical Bill Impacts by Rate Component

| Rate Components | 4/1/2019 <br> Current Rate | 6/1/2019 |  |  | As Revised Bill | Difference | \% <br> Difference to Total Bill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | As Revised | Difference | Current Bill |  |  |  |
| Customer Charge | \$9.67 | \$9.67 | \$0.00 | \$9.67 | \$9.67 | \$0.00 | 0.0\% |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.03185 | \$0.03185 | \$0.00000 | \$52.87 | \$52.87 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.02389 | \$0.02389 | \$0.00000 | \$39.66 | \$39.66 | \$0.00 | 0.0\% |
| Stranded Cost Charge | (\$0.00101) | (\$0.00101) | \$0.00000 | (\$1.68) | (\$1.68) | \$0.00 | 0.0\% |
| Storm Recovery Adj. | \$0.00133 | \$0.00133 | \$0.00000 | \$2.21 | \$2.21 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00576 | \$0.00576 | \$0.00000 | \$9.56 | \$9.56 | \$0.00 | 0.0\% |
| Default Service Charge | \$0.10598 | \$0.06872 | (\$0.03726) | \$175.93 | \$114.08 | (\$61.85) | (21.5\%) |
| Total kWh Charges | \$0.16780 | \$0.13054 | (\$0.03726) | \$278.55 | \$216.70 | (\$61.85) | (21.5\%) |
| Total Bill |  |  |  | \$288.22 | \$226.37 | (\$61.85) | (21.5\%) |


| Rate Components | Regular General G2 kWh Meter 115 kWh Typical Bill |  |  |  | As Revised Bill | Difference | \% <br> Difference to Total Bill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4/1/2019 | 6/1/2019 |  |  |  |  |  |
|  | Current Rate | As Revised | Difference | Current Bill |  |  |  |
| Customer Charge | \$18.27 | \$18.27 | \$0.00 | \$18.27 | \$18.27 | \$0.00 | 0.0\% |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.00878 | \$0.00878 | \$0.00000 | \$1.01 | \$1.01 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.02389 | \$0.02389 | \$0.00000 | \$2.75 | \$2.75 | \$0.00 | 0.0\% |
| Stranded Cost Charge | (\$0.00101) | (\$0.00101) | \$0.00000 | (\$0.12) | (\$0.12) | \$0.00 | 0.0\% |
| Storm Recovery Adj. | \$0.00133 | \$0.00133 | \$0.00000 | \$0.15 | \$0.15 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00576 | \$0.00576 | \$0.00000 | \$0.66 | \$0.66 | \$0.00 | 0.0\% |
| Default Service Charge | \$0.10598 | \$0.06872 | (\$0.03726) | \$12.19 | \$7.90 | (\$4.28) | (12.3\%) |
| Total kWh Charges | \$0.14473 | \$0.10747 | (\$0.03726) | \$16.64 | \$12.36 | (\$4.28) | (12.3\%) |
| Total Bill |  |  |  | \$34.91 | \$30.63 | (\$4.28) | (12.3\%) |

Unitil Energy Systems, Inc.
Typical Bill Impacts for Residential Rate Class based on Mean and Median Usage
Residential Rate D 646 kWh Bill - Mean Use*

| Rate Components | 4/1/2019 | 6/1/2019 |  |  | As Revised Bill | Difference | $\%$ <br> Difference <br> to Total Bill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | As Revised | Difference | Current Bill |  |  |  |
| Customer Charge | \$16.12 | \$16.12 | \$0.00 | \$16.12 | \$16.12 | \$0.00 | 0.0\% |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.03537 | \$0.03537 | \$0.00000 | \$22.85 | \$22.85 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.02389 | \$0.02389 | \$0.00000 | \$15.43 | \$15.43 | \$0.00 | 0.0\% |
| Stranded Cost Charge | (\$0.00101) | (\$0.00101) | \$0.00000 | (\$0.65) | (\$0.65) | \$0.00 | 0.0\% |
| Storm Recovery Adj. | \$0.00133 | \$0.00133 | \$0.00000 | \$0.86 | \$0.86 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00576 | \$0.00576 | \$0.00000 | \$3.72 | \$3.72 | \$0.00 | 0.0\% |
| Default Service Charge | \$0.11689 | \$0.07714 | (\$0.03975) | \$75.51 | \$49.83 | (\$25.68) | (19.2\%) |
| Total kWh Charges | \$0.18223 | \$0.14248 | (\$0.03975) |  |  |  |  |
| Total Bill |  |  |  | \$133.84 | \$108.16 | (\$25.68) | (19.2\%) |

Residential Rate D 524 kWh Bill - Median Use ${ }^{*}$

| Rate Components | 4/1/2019 | 6/1/2019 |  |  | As Revised Bill | Difference | $\%$ <br> Difference <br> to Total Bill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Current Rate | As Revised | Difference | Current Bill |  |  |  |
| Customer Charge | \$16.12 | \$16.12 | \$0.00 | \$16.12 | \$16.12 | \$0.00 | 0.0\% |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.03537 | \$0.03537 | \$0.00000 | \$18.53 | \$18.53 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.02389 | \$0.02389 | \$0.00000 | \$12.52 | \$12.52 | \$0.00 | 0.0\% |
| Stranded Cost Charge | (\$0.00101) | (\$0.00101) | \$0.00000 | (\$0.53) | (\$0.53) | \$0.00 | 0.0\% |
| Storm Recovery Adj. | \$0.00133 | \$0.00133 | \$0.00000 | \$0.70 | \$0.70 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00576 | \$0.00576 | \$0.00000 | \$3.02 | \$3.02 | \$0.00 | 0.0\% |
| Default Service Charge | \$0.11689 | \$0.07714 | (\$0.03975) | \$61.25 | \$40.42 | (\$20.83) | (18.7\%) |
| Total kWh Charges | \$0.18223 | \$0.14248 | (\$0.03975) |  |  |  |  |
| Total Bill |  |  |  | \$111.61 | \$90.78 | (\$20.83) | (18.7\%) |

* Based on billing period January through December 2018.

Unitil Energy Systems, Inc.
Average Class Bill Impacts
Due to Proposed Default Service Rate Changes Effective June 1, 2019

| (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (1) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Annual Number | Annual | Annual | Proposed | Estimated Annual | Estimated Annual | Proposed | \% Change |
|  | of Customers (luminaires | kWh | kW / kVA | DSC | Revenue \$ Under | Revenue \$ Under | Net Change | DSC |
| Class of Service | for Outdoor Lighting) | Sales | Sales | Change \$ | Present Rates | Proposed Rates | Revenue \$ | Revenue |
| Residential | 785,306 | 497,875,828 | n/a | (\$19,790,564) | \$103,387,049 | \$83,596,485 | (\$19,790,564) | (19.1\%) |
| General Service | 131,872 | 354,161,409 | 1,348,556 | $(\$ 13,196,054)$ | \$66,102,581 | \$52,906,527 | $(\$ 13,196,054)$ | (20.0\%) |
| Qutdoor Lighting | 110,850 | 8,241,454 | n/a | $(\$ 307,077)$ | \$2,983,906 | \$2,676,830 | $(\$ 307,077)$ | (10.3\%) |
| Total | 1,028,028 | 860,278,690 |  | $(\$ 33,293,695)$ | \$172,473,536 | \$139,179,841 | (\$33,293,695) | (19.3\%) |

(B), (C), (D) Test year billing determinants in DE 16-384.
(E) Difference in proposed rate and current rate, times the billing determinants shown in Column (C).
(F) Based on current rates times billing determinants shown in Columns (B), (C) and (D).
(G) Sum of Columns (E) and (F)
(H) Column (G) minus Column (F)
(I) Column (H) divided by Column (F)





| Unitil Energy Systems, Inc. <br> Typical Bill Impacts - April 1, 2019 vs. June 1, 2019 <br> Due to Changes in the Default Service Charge Impact on OL Rate Customers* |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
|  | Nominal Watts | Lumens | Type | Average Monthly kWh | Total Bill Using Rates 4/1/2019 | Using Rates 6/1/2019 | Total Difference | Total Difference |  |
| Mercury Vapor: |  |  |  |  |  |  |  |  |  |
| 1 | 100 | 3,500 | ST | 43 | \$19.05 | \$17.44 | (\$1.60) | -8.4\% |  |
| 2 | 175 | 7,000 | ST | 71 | \$25.31 | \$22.67 | (\$2.65) | -10.5\% |  |
| 3 | 250 | 11,000 | ST | 100 | \$31.35 | \$27.62 | (\$3.73) | -11.9\% |  |
| 4 | 400 | 20,000 | ST | 157 | \$42.47 | \$36.62 | (\$5.85) | -13.8\% |  |
| 5 | 1,000 | 60,000 | ST | 372 | \$92.52 | \$78.66 | (\$13.86) | -15.0\% |  |
| 6 | 250 | 11,000 | FL | 100 | \$32.50 | \$28.77 | (\$3.73) | -11.5\% |  |
| 7 | 400 | 20,000 | FL | 157 | \$43.96 | \$38.11 | (\$5.85) | -13.3\% |  |
| 8 | 1,000 | 60,000 | FL | 380 | \$89.14 | \$74.98 | (\$14.16) | -15.9\% |  |
| 9 | 100 | 3,500 | PB | 48 | \$19.86 | \$18.07 | (\$1.79) | -9.0\% |  |
| 10 | 175 | 7,000 | PB | 71 | \$24.44 | \$21.80 | (\$2.65) | -10.8\% |  |
| High Pressure Sodium: |  |  |  |  |  |  |  |  |  |
| 11 | 50 | 4,000 | ST | 23 | \$16.57 | \$15.71 | (\$0.86) | -5.2\% |  |
| 12 | 100 | 9,500 | ST | 48 | \$21.66 | \$19.87 | (\$1.79) | -8.3\% |  |
| 13 | 150 | 16,000 | ST | 65 | \$24.03 | \$21.60 | (\$2.42) | -10.1\% |  |
| 14 | 250 | 30,000 | ST | 102 | \$32.90 | \$29.10 | (\$3.80) | -11.6\% |  |
| 15 | 400 | 50,000 | ST | 161 | \$45.87 | \$39.87 | (\$6.00) | -13.1\% |  |
| 16 | 1,000 | 140,000 | ST | 380 | \$93.08 | \$78.92 | (\$14.16) | -15.2\% |  |
| 17 | 150 | 16,000 | FL | 65 | \$26.35 | \$23.92 | (\$2.42) | -9.2\% |  |
| 18 | 250 | 30,000 | FL | 102 | \$34.51 | \$30.71 | (\$3.80) | -11.0\% |  |
| 19 | 400 | 50,000 | FL | 161 | \$45.34 | \$39.34 | (\$6.00) | -13.2\% |  |
| 20 | 1,000 | 140,000 | FL | 380 | \$93.44 | \$79.28 | (\$14.16) | -15.2\% |  |
| 21 | 50 | 4,000 | PB | 23 | \$15.57 | \$14.71 | (\$0.86) | -5.5\% |  |
| 22 | 100 | 95,000 | PB | 48 | \$20.49 | \$18.70 | (\$1.79) | -8.7\% |  |
| Metal Halide: |  |  |  |  |  |  |  |  |  |
| 23 | 175 | 8,800 | ST | 74 | \$29.85 | \$27.09 | (\$2.76) | -9.2\% |  |
| 24 | 250 | 13,500 | ST | 102 | \$35.39 | \$31.59 | (\$3.80) | -10.7\% |  |
| 25 | 400 | 23,500 | ST | 158 | \$43.80 | \$37.91 | (\$5.89) | -13.4\% |  |
| 26 | 175 | 8,800 | FL | 74 | \$32.93 | \$30.17 | (\$2.76) | -8.4\% |  |
| 27 | 250 | 13,500 | FL | 102 | \$38.56 | \$34.76 | (\$3.80) | -9.9\% |  |
| 28 | 400 | 23,500 | FL | 158 | \$46.21 | \$40.32 | (\$5.89) | -12.7\% |  |
| 29 | 1,000 | 86,000 | FL | 374 | \$82.88 | \$68.94 | (\$13.94) | -16.8\% |  |
| 30 | 175 | 8,800 | PB | 74 | \$28.58 | \$25.82 | (\$2.76) | -9.6\% |  |
| 31 | 250 | 13,500 | PB | 102 | \$33.56 | \$29.76 | (\$3.80) | -11.3\% |  |
| 32 | 400 | 23,500 | PB | 158 | \$42.53 | \$36.64 | (\$5.89) | -13.8\% |  |
| Light Emitting Diode: |  |  |  |  |  |  |  |  |  |
| 33 | 42 | 3,600 | AL | 15 | \$15.12 | \$14.56 | (\$0.56) | -3.7\% |  |
| 34 | 57 | 5,200 | AL | 20 | \$15.85 | \$15.10 | (\$0.75) | -4.7\% |  |
| 35 | 25 | 3,000 | CH | 9 | \$14.25 | \$13.92 | (\$0.34) | -2.4\% |  |
| 36 | 88 | 8,300 | CH | 30 | \$17.30 | \$16.18 | (\$1.12) | -6.5\% |  |
| 37 | 108 | 11,500 | CH | 37 | \$18.31 | \$16.93 | (\$1.38) | -7.5\% |  |
| 38 | 193 | 21,000 | CH | 67 | \$22.65 | \$20.15 | (\$2.50) | -11.0\% |  |
| 39 | 123 | 12,180 | FL | 43 | \$19.18 | \$17.57 | (\$1.60) | -8.4\% |  |
| 40 | 194 | 25,700 | FL | 67 | \$22.65 | \$20.15 | (\$2.50) | -11.0\% |  |
| 41 | 297 | 38,100 | FL | 103 | \$27.85 | \$24.02 | (\$3.84) | -13.8\% |  |
| Luminaire Charges For Year Round Service: |  |  |  |  |  |  |  |  |  |
| Rates - Effective April 1, 2019 |  | Mercury Vapor Rate/Mo. |  | Sodium Vapor Rate/Mo. |  | Metal Halide Rate/Mo. |  | LED Rate/Mo. |  |
| Customer Charge | \$0.00 |  | \$13.20 | 11 | \$13.44 | 23 | \$19.79 | 33 | \$13.08 |
|  |  |  | \$15.66 | 12 | \$15.13 | 24 | \$21.52 | 34 | \$13.13 |
|  | All kWh |  | \$17.75 | 13 | \$15.19 | 25 | \$22.32 | 35 | \$13.03 |
| Distribution Charge | \$0.00000 |  | \$21.13 | 14 | \$19.03 | 26 | \$22.87 | 36 | \$13.22 |
| External Delivery Charge | \$0.02389 |  | \$41.95 | 15 | \$23.98 | 27 | \$24.69 | 37 | \$13.28 |
| Stranded Cost Charge | (\$0.00101) |  | \$18.90 | 16 | \$41.42 | 28 | \$24.73 | 38 | \$13.54 |
| Storm Recovery Adj. Factor | \$0.00133 |  | \$22.62 | 17 | \$17.51 | 29 | \$32.03 | 39 | \$13.33 |
| System Benefits Charge | \$0.00576 |  | \$37.48 | 18 | \$20.64 | 30 | \$18.52 | 40 | \$13.54 |
| Default Service Charge | \$0.10598 |  | \$13.33 | 19 | \$23.45 | 31 | \$19.69 | 41 | \$13.85 |
|  |  |  | \$14.79 | 20 | \$41.78 | 32 | \$21.05 |  |  |
| TOTAL | \$0.13595 |  |  | 21 | \$12.44 |  |  |  |  |
|  |  |  |  | 22 | \$13.96 |  |  |  |  |
| Rates - Proposed June 1, 2019 |  | Mercury Vapor Rate/Mo. |  | Sodium Vapor Rate/Mo. |  | Metal Halide Rate/Mo. |  | LED Rate/Mo. |  |
| Customer Charge | \$0.00 |  | \$13.20 | 11 | \$13.44 | 23 | \$19.79 | 33 | \$13.08 |
|  |  |  | \$15.66 | 12 | \$15.13 | 24 | \$21.52 | 34 | \$13.13 |
|  | All kWh |  | \$17.75 | 13 | \$15.19 | 25 | \$22.32 | 35 | \$13.03 |
| Distribution Charge | \$0.00000 |  | \$21.13 | 14 | \$19.03 | 26 | \$22.87 | 36 | \$13.22 |
| External Delivery Charge | \$0.02389 |  | \$41.95 | 15 | \$23.98 | 27 | \$24.69 | 37 | \$13.28 |
| Stranded Cost Charge | (\$0.00101) |  | \$18.90 | 16 | \$41.42 | 28 | \$24.73 | 38 | \$13.54 |
| Storm Recovery Adj. Factor | \$0.00133 |  | \$22.62 | 17 | \$17.51 | 29 | \$32.03 | 39 | \$13.33 |
| System Benefits Charge | \$0.00576 |  | \$37.48 | 18 | \$20.64 | 30 | \$18.52 | 40 | \$13.54 |
| Default Service Charge | \$0.06872 |  | \$13.33 | 19 | \$23.45 | 31 | \$19.69 | 41 | \$13.85 |
|  |  |  | \$14.79 | 20 | \$41.78 | 32 | \$21.05 |  |  |
| TOTAL | \$0.09869 |  |  | 21 | \$12.44 |  |  |  |  |
|  |  |  |  | 22 | \$13.96 |  |  |  |  |
| Difference |  | Mercury Vapor Rate/Mo. |  | Sodium Vapor Rate/Mo. |  | Metal Halide Rate/Mo. |  | LED Rate/Mo. |  |
| Customer Charge | \$0.00 |  | \$0.00 | 11 | \$0.00 | 23 | \$0.00 | 33 | \$0.00 |
|  |  |  | \$0.00 | 12 | \$0.00 | 24 | \$0.00 | 34 | \$0.00 |
|  | All kWh |  | \$0.00 | 13 | \$0.00 | 25 | \$0.00 | 35 | \$0.00 |
| Distribution Charge | \$0.00000 |  | \$0.00 | 14 | \$0.00 | 26 | \$0.00 | 36 | \$0.00 |
| External Delivery Charge | \$0.00000 |  | \$0.00 | 15 | \$0.00 | 27 | \$0.00 | 37 | \$0.00 |
| Stranded Cost Charge | \$0.00000 |  | \$0.00 | 16 | \$0.00 | 28 | \$0.00 | 38 | \$0.00 |
| Storm Recovery Adj. Factor | \$0.00000 |  | \$0.00 | 17 | \$0.00 | 29 | \$0.00 | 39 | \$0.00 |
| System Benefits Charge | \$0.00000 |  | \$0.00 | 18 | \$0.00 | 30 | \$0.00 | 40 | \$0.00 |
| Default Service Charge | (\$0.03726) |  | \$0.00 | 19 | \$0.00 | 31 | \$0.00 | 41 | \$0.00 |
|  |  |  | \$0.00 | 20 | \$0.00 | 32 | \$0.00 |  |  |
| TOTAL | (\$0.03726) |  |  | 21 | \$0.00 |  |  |  |  |
|  |  |  |  | 22 | \$0.00 |  |  |  |  |
| * Luminaire charges based on All-Night Service option. |  |  |  | 00245 |  |  |  |  |  |

Unitil Energy Systems, Inc.

## Typical Bill Impacts by Rate Component

Residential Rate D 650 kWh Bill

| Rate Components | $6 / 1 / 2018$ <br> Prior Rate | 6/1/2019* <br> As Revised | Difference | Current Bill | As Revised Bill | Difference | \% Difference to Total Bill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Customer Charge | \$16.12 | \$16.12 | \$0.00 | \$16.12 | \$16.12 | \$0.00 | 0.0\% |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.03537 | \$0.03537 | \$0.00000 | \$22.99 | \$22.99 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.02637 | \$0.02389 | (\$0.00248) | \$17.14 | \$15.53 | (\$1.61) | (1.4\%) |
| Stranded Cost Charge | (\$0.00057) | (\$0.00101) | (\$0.00044) | (\$0.37) | (\$0.66) | (\$0.29) | (0.3\%) |
| Storm Recovery Adj. | \$0.00133 | \$0.00133 | \$0.00000 | \$0.86 | \$0.86 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00456 | \$0.00576 | \$0.00120 | \$2.96 | \$3.74 | \$0.78 | 0.7\% |
| Default Service Charge | \$0.08238 | \$0.07714 | (\$0.00524) | \$53.55 | \$50.14 | (\$3.41) | (3.0\%) |
| Total kWh Charges | \$0.14944 | \$0.14248 | (\$0.00696) |  |  |  |  |
| Total Bill |  |  |  | \$113.26 | \$108.73 | (\$4.52) | (4.0\%) |


| Regular General G2 Demand, 11 kW, 2,800 kWh Typical Bill |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rate Components | $6 / 1 / 2018$ <br> Prior Rate | 6/1/2019* <br> As Revised | Difference | Current Bill | As Revised Bill | Difference | $\begin{gathered} \% \\ \text { Difference to } \\ \text { Total Bill } \end{gathered}$ |
| Customer Charge | \$29.02 | \$29.02 | \$0.00 | \$29.02 | \$29.02 | \$0.00 | 0.0\% |
|  | All kW | All kW |  |  |  |  |  |
| Distribution Charge | \$10.45 | \$10.45 | \$0.00 | \$114.95 | \$114.95 | \$0.00 | 0.0\% |
| Stranded Cost Charge | (\$0.11) | (\$0.21) | (\$0.10) | (\$1.21) | (\$2.31) | (\$1.10) | (0.3\%) |
| Total kW Charges | \$10.34 | \$10.24 | (\$0.10) | \$113.74 | \$112.64 | (\$1.10) | (0.3\%) |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.00000 | \$0.00000 | \$0.00000 | \$0.00 | \$0.00 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.02637 | \$0.02389 | (\$0.00248) | \$73.84 | \$66.89 | (\$6.94) | (1.6\%) |
| Stranded Cost Charge | (\$0.00011) | (\$0.00021) | (\$0.00010) | (\$0.31) | (\$0.59) | (\$0.28) | (0.1\%) |
| Storm Recovery Adj. | \$0.00133 | \$0.00133 | \$0.00000 | \$3.72 | \$3.72 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00456 | \$0.00576 | \$0.00120 | \$12.77 | \$16.13 | \$3.36 | 0.8\% |
| Default Service Charge | \$0.07377 | \$0.06872 | (\$0.00505) | \$206.56 | \$192.42 | (\$14.14) | (3.2\%) |
| Total kWh Charges | \$0.10592 | \$0.09949 | (\$0.00643) | \$296.58 | \$278.57 | (\$18.00) | (4.1\%) |
| Total Bill |  |  |  | \$439.34 | \$420.23 | (\$19.10) | (4.3\%) |

[^0]Unitil Energy Systems, Inc.
Typical Bill Impacts by Rate Component

| Rate Components | 6/1/2018 <br> Prior Rate | 6/1/2019* |  |  |  |  | \% <br> Difference to Total Bill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | As Revised | Difference | Current Bill | As Revised Bill | Difference |  |
| Customer Charge | \$9.67 | \$9.67 | \$0.00 | \$9.67 | \$9.67 | \$0.00 | 0.0\% |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.03185 | \$0.03185 | \$0.00000 | \$52.87 | \$52.87 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.02637 | \$0.02389 | (\$0.00248) | \$43.77 | \$39.66 | (\$4.12) | (1.7\%) |
| Stranded Cost Charge | (\$0.00057) | (\$0.00101) | (\$0.00044) | (\$0.95) | (\$1.68) | (\$0.73) | (0.3\%) |
| Storm Recovery Adj. | \$0.00133 | \$0.00133 | \$0.00000 | \$2.21 | \$2.21 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00456 | \$0.00576 | \$0.00120 | \$7.57 | \$9.56 | \$1.99 | 0.8\% |
| Default Service Charge | \$0.07377 | \$0.06872 | (\$0.00505) | \$122.46 | \$114.08 | (\$8.38) | (3.5\%) |
| Total kWh Charges | \$0.13731 | \$0.13054 | (\$0.00677) | \$227.93 | \$216.70 | (\$11.24) | (4.7\%) |
| Total Bill |  |  |  | \$237.60 | \$226.37 | (\$11.24) | (4.7\%) |


| Rate Components | Regular General G2 kWh Meter 115 kWh Typical Bill |  |  |  | As Revised Bill | Difference | \% <br> Difference to Total Bill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $6 / 1 / 2018$ <br> Prior Rate | 6/1/2019* <br> As Revised | Difference | Current Bill |  |  |  |
| Customer Charge | \$18.27 | \$18.27 | \$0.00 | \$18.27 | \$18.27 | \$0.00 | 0.0\% |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.00878 | \$0.00878 | \$0.00000 | \$1.01 | \$1.01 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.02637 | \$0.02389 | (\$0.00248) | \$3.03 | \$2.75 | (\$0.29) | (0.9\%) |
| Stranded Cost Charge | (\$0.00057) | (\$0.00101) | (\$0.00044) | (\$0.07) | (\$0.12) | (\$0.05) | (0.2\%) |
| Storm Recovery Adj. | \$0.00133 | \$0.00133 | \$0.00000 | \$0.15 | \$0.15 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00456 | \$0.00576 | \$0.00120 | \$0.52 | \$0.66 | \$0.14 | 0.4\% |
| Default Service Charge | \$0.07377 | \$0.06872 | (\$0.00505) | \$8.48 | \$7.90 | (\$0.58) | (1.8\%) |
| Total kWh Charges | \$0.11424 | \$0.10747 | (\$0.00677) | \$13.14 | \$12.36 | (\$0.78) | (2.5\%) |
| Total Bill |  |  |  | \$31.41 | \$30.63 | (\$0.78) | (2.5\%) |

* Rates do not reflect changes pending in DE 19-043.

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[^0]:    * Rates do not reflect changes pending in DE 19-043.

