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

Nineteenth Eighteenth Revised Page 75 Superseding EighteenthSeventeenth Page 75

## (I)

## CALCULATION OF THE DEFAULT SERVICE CHARGE

| G1 Class Default Service: |  | May-14 | Jten-14 | J $\mathrm{Hl} \mathbf{- 1 4}$ | Total | As shown on Schedule LSM-2, Page 1 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Aug-11 |  |  |  | Sep-11 | Oct-11 | Total |
| 1 | Power Supply Charge <br> Reconciliation |  | (\$1,238) | (\$1,208) | (\$1,421) | (\$3,867) | $(\$ 1,346)$ | $(\$ 1,268)$ | $(\$ 1,219)$ | $(\$ 3,832)$ |
| 2 | Total Costs | \$382,146 | \$339,860 | \$410,269 | \$1,132,275 | \$435,863 | \$382,862 | \$379,255 | \$1,197,981 |
| 3 | Reconciliation plus Total Costs (L. $1+$ L. 2 ) | \$380,908 | \$338,652 | \$408,848 | \$1,128,408 | \$434,518 | \$381,595 | \$378,037 | \$1,194,149 |
| 4 | kWh Purchases | 5,846,996 | 5,706,320 | 6,712,719 | 18,266,035 | 6,356,627 | 5,988,264 | 5,756,164 | 18,101,055 |
| 5 | Total, Before Losses (L. 3 / L.4) | \$0.06515 | \$0.05935 | \$0.06091 |  | \$0.06836 | \$0.06372 | \$0.06568 |  |
| 6 | Losses | 4.591\% | 4.591\% | 4.591\% |  | 4.591\% | 4.591\% | 4.591\% |  |
| 7 | Total Retail Rate - Variable Power Supply Charge $\text { (L. } 5 \text { * (1+L.6)) }$ | \$0.06814 | \$0.06207 | \$0.06370 |  | \$0.07149 | \$0.06665 | \$0.06869 |  |


|  | Renewable Portfolio Standard (RPS) Charge |  |  |  |  | As shown on Schedule LSM-3, Page 1 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 | Reconciliation | \$3,822 | \$3,730 | \$4,388 | \$11,939 | \$4,155 | \$3,914 | \$3,762 | \$11,831 |
| 9 | Total Costs | \$12,579 | \$12,277 | \$14,442 | \$39,298 | \$12,568 | \$11,840 | \$11,381 | \$35,790 |
| 10 | Reconciliation plus Total Costs (L. $8+$ L.9) | \$16,401 | \$16,007 | \$18,830 | \$51,237 | \$16,723 | \$15,754 | \$15,144 | \$47,621 |
| 11 | kWh Purchases | 5,846,996 | 5,706,320 | 6,712,719 | 18,266,035 | 6,356,627 | 5,988,264 | 5,756,164 | 18,101,055 |
| 12 | Total, Before Losses (L. 10 / L.11) | \$0.00281 | \$0.00281 | \$0.00281 |  | \$0.00263 | \$0.00263 | \$0.00263 |  |
| 13 | Losses | 4.591\% | 4.591\% | 4.591\% |  | 4.591\% | 4.591\% | 4.591\% |  |
| 14 | Total Retail Rate - Variable RPS Charge $\text { (L. } 12 \text { * (1+L.13)) }$ | \$0.00293 | \$0.00293 | \$0.00293 |  | \$0.00275 | \$0.00275 | \$0.00275 |  |
| 15 | Total Retail Rate - Variable Default Service Charge (L. 7 + L.14) | \$0.07107 | \$0.06500 | \$0.06663 |  | \$0.07424 | \$0.06940 | \$0.07144 |  |

Authorized by NHPUC Order No. 25,206 in Case No. DE 11-028, dated March 21, 2011

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Issued By: Mark H. Collin
Treasurer

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

1 Reconciliation (1)
2 Total Costs (Page 2)
3 Reconciliation plus Total Costs (L. $1+\mathrm{L} .2$ )
4 kWh Purchases
5 Total, Before Losses (L. 3 / L.4)
6 Losses
7 Total Retail Rate - Variable Power Supply Charge (L. 5 * (1+L.6))

| Aug-11 | Sep-11 | Oct-11 |  |
| :---: | :---: | :---: | :---: |
| $\frac{\text { Estimated }}{(\$ 1,346)}$ | $\frac{\text { Estimated }}{(\$ 1,268)}$ | $\frac{\text { Estimated }}{(\$ 1,219)}$ | $\underset{(\$ 3,832)}{\text { Total }}$ |
| \$435,863 | \$382,862 | \$379,255 | \$1,197,981 |
| \$434,518 | \$381,595 | \$378,037 | \$1,194,149 |
| 6,356,627 | 5,988,264 | 5,756,164 | 18,101,055 |
| \$0.06836 | \$0.06372 | \$0.06568 |  |
| 4.591\% | 4.591\% | 4.591\% |  |
| \$0.07149 | \$0.06665 | \$0.06869 |  |

(1) As filed in UES' March 11, 2011 Default Service filing. Power Supply Charge balance as of January 31, 2011 as adjusted, allocated between rate periods (May-July 2011, August-October 2011, November 2011-January 2012, and February-April 2012) and then to each month on equal per kWh basis.

Total Power Supply Charge reconciliation for May 1, 2011-April 30, 2011

Reconciliation amount for May-July 2011
$(\$ 3,867)$
Reconciliation amount for August-October 2011
$(\$ 3,832)$
Reconciliation amount for November 2011-January 2012
$(\$ 3,469)$
Reconciliation amount for February-April 2012
Total
(\$3,440)
$(\$ 14,609)$

## Redacted

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

|  | Calculation of Working Capital er Charges and GIS Support Payments |  |  |  |  |  | (g) | (h) | (i) | (j) | (k) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | (a) | (b) | (c) | (d) | (e) | (f) |  |  |  |  |  |
|  |  |  |  | Working Capital |  | Supply Related |  | Internal Company |  |  |  |
|  | DS Supplier Charges (1) | Support Payments | Days of Lag / 365 | Requirement $\left((a+b)^{*} \mathrm{c}\right)$ | Prime Rate | Working Capital $\left(d^{*} e\right)$ | Uncollected Accounts | Administrative Costs | Legal Charges | Outside Service Charges | $\begin{aligned} & (\text { sum } a+b+f \\ & +g+h+i+j) \end{aligned}$ |
| Aug-11 | Redacted | \$55 | 1.48\% | Redacted | 3.25\% | Redacted | Redacted | \$3,032 | \$0 | \$0 | \$435,863 |
| Sep-11 | Redacted | \$52 | 1.48\% | Redacted | 3.25\% | Redacted | Redacted | \$3,032 | \$0 | \$0 | \$382,862 |
| Oct-11 | Redacted | \$50 | 1.48\% | Redacted | 3.25\% | Redacted | Redacted | \$3,032 | \$0 | \$0 | \$379,255 |
| Total | Redacted | \$157 |  | Redacted |  | Redacted | Redacted | \$9,095 | \$0 | \$0 | \$1,197,981 |

(1) Estimates based on monthly average wholesale rate times estimated monthly purchases.

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

1 Reconciliation
2 Total Costs (Page 2)
3 Reconciliation plus Total Costs (L.1 + L.2)
4 kWh Purchases
5 Total, Before Losses (L. $3 /$ L.4)
6 Losses

7 Total Retail Rate - Variable RPS Charge (L. 5 * (1+L.6))

| Aug-11 <br> Estimated | Sep-11 <br> Estimated | Oct-11 <br> Estimated | Total <br> $\$ 3,155$ |
| :---: | :---: | :---: | :---: |
| $\$ 3,914$ | $\underline{\$ 11,831}$ |  |  |
| $\$ 12,568$ | $\underline{\$ 11,840}$ | $\underline{\$ 11,381}$ | $\underline{\$ 35,790}$ |
| $\$ 16,723$ | $\$ 15,754$ | $\$ 15,144$ | $\$ 47,621$ |
| $\underline{6,356,627}$ | $\underline{5,988,264}$ | $\underline{5,756,164}$ | $18,101,055$ |
| $\$ 0.00263$ | $\$ 0.00263$ | $\$ 0.00263$ |  |
| $\underline{4.591 \%}$ | $\underline{4.591 \%}$ | $\underline{4.591 \%}$ |  |
| $\$ 0.00275$ | $\$ 0.00275$ | $\$ 0.00275$ |  |

(1) As filed in UES' March 11, 2011 Default Service filing. RPS Charge balance as of January 31, 2011 as adjusted, allocated between rate periods (May-July 2011, August-October 2011, November 2011-January 2012, and February-April 2012) and then to each month on equal per kWh basis.

Total RPS Charge reconciliation for May 1, 2011-April 30, 2012 \$45,101
Reconciliation amount for May-July $2011 \quad$ \$11,939
Reconciliation amount for August-October 2011 \$11,831
Reconciliation amount for November 2011-January 2012 \$10,710
Reconciliation amount for February-April 2012 \$10,621
Total \$45,101

|  | (a) | Calculation of Working Capital |  |  |  | Total costs (sum $\mathrm{a}+\mathrm{e}$ ) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | (b) | (c) | (d) | (e) |  |
|  |  |  | Working |  |  |  |
|  |  | Number of | Capital |  |  |  |
|  | Renewable Energy Credits | Days of Lag / | Requirement |  | Supply Related Working |  |
|  | (1) | 365 | (a*b) | Prime Rate | Capital (c * d) |  |
| Aug-11 | \$12,930 | (86.12\%) | (\$11,135) | 3.25\% | (\$362) | \$12,568 |
| Sep-11 | \$12,181 | (86.12\%) | $(\$ 10,490)$ | 3.25\% | (\$341) | \$11,840 |
| Oct-11 | \$11,709 | (86.12\%) | (\$10,083) | 3.25\% | (\$328) | \$11,381 |
| Total | \$36,820 |  | $(\$ 31,708)$ |  | $(\$ 1,030)$ | \$35,790 |

(1) Schedule RSF-4.

## Unitil Energy Systems, Inc.

 Typical Bill Impacts by Rate Component| Rate Components | Large General - G1 550 kVa , 200,000 kWh Typical Bill |  |  |  | As Revised Bill* | Difference | \% Difference to Total Bill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 5/1/2011 <br> Current Rate | $8 / 1 / 2011$ <br> As Revised | Difference | Current Bill* |  |  |  |
| Customer Charge | \$87.09 | \$87.09 | \$0.00 | \$87.09 | \$87.09 | \$0.00 | 0.0\% |
|  | All kVa | All kVa |  |  |  |  |  |
| Distribution Charge | \$6.25 | \$6.25 | \$0.00 | \$3,437.50 | \$3,437.50 | \$0.00 | 0.0\% |
| Stranded Cost Charge | \$0.34 | \$0.34 | \$0.00 | \$187.00 | \$187.00 | \$0.00 | 0.0\% |
| Total | \$6.59 | \$6.59 | \$0.00 | \$3,624.50 | \$3,624.50 | \$0.00 | 0.0\% |
|  | \$/kWh | \$/kWh |  |  |  |  |  |
| Distribution Charge | \$0.00034 | \$0.00034 | \$0.00000 | \$68.00 | \$68.00 | \$0.00 | 0.0\% |
| External Delivery Charge | \$0.01688 | \$0.01688 | \$0.00000 | \$3,376.00 | \$3,376.00 | \$0.00 | 0.0\% |
| Stranded Cost Charge | \$0.00041 | \$0.00041 | \$0.00000 | \$82.00 | \$82.00 | \$0.00 | 0.0\% |
| Storm Recovery Adjustment | \$0.00096 | \$0.00096 | \$0.00000 | \$192.00 | \$192.00 | \$0.00 | 0.0\% |
| System Benefits Charge | \$0.00330 | \$0.00330 | \$0.00000 | \$660.00 | \$660.00 | \$0.00 | 0.0\% |
| Default Service Charge | \$0.06757 | \$0.07169 | \$0.00412 | \$13,514.00 | \$14,338.00 | \$824.00 | 3.8\% |
| Total | \$0.08946 | \$0.09358 | \$0.00412 | \$17,892.00 | \$18,716.00 | \$824.00 | 3.8\% |
| Total Bill |  |  |  | \$21,603.59 | \$22,427.59 | \$824.00 | 3.8\% |

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[^0]:    * Impacts do not include the Electricity Consumption Tax.

