

CALCULATION OF THE DEFAULT SERVICE CHARGE

Non-G1 Class Default Services	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Total
Power-Supply-Charge							
1 Residential Class—Total Costs excl. Reconciliation & RGGI Rebate	\$4,513,302	\$6,072,070	\$5,186,614	\$3,076,519	\$2,245,902	\$1,896,266	\$22,990,672
2 kWh Purchases—Residential	<u>\$0.518,361</u>	<u>\$4,206,586</u>	<u>46,308,309</u>	<u>44,274,510</u>	<u>38,030,087</u>	<u>34,040,709</u>	<u>267,387,652</u>
3 Total, Before Losses (L.1 / L.2)	\$0.08934	\$0.11202	\$0.11200	\$0.06949	\$0.05904	\$0.05571	\$0.08598
4 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
Retail Rate—Residential Variable Power Supply Charge excl. Reconciliation & RGGI Rebate (L.3* (1+L.4))	\$0.09506	\$0.11919	\$0.11917	\$0.07393	\$0.06282	\$0.05927	
6 Retail Rate—Residential Fixed Power Supply Charge excl. Reconciliation & RGGI Rebate (L.3* (1+L.4))							\$0.09149
7 G2 and OL Class—Total Costs excl. Reconciliation & RGGI Rebate	\$1,781,827	\$2,111,688	\$2,120,703	\$1,259,618	\$1,038,545	\$919,683	\$9,232,075
8 kWh Purchases—G2 and OL	<u>20,308,186</u>	<u>18,985,354</u>	<u>20,000,677</u>	<u>18,953,782</u>	<u>18,361,300</u>	<u>17,499,168</u>	<u>114,108,368</u>
9 Total, Before Losses (L.7 / L.8)	\$0.08774	\$0.11123	\$0.10603	\$0.06646	\$0.05656	\$0.05256	\$0.08091
10 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
Retail Rate—G2 and OL Variable Power Supply Charge excl. Reconciliation & RGGI Rebate (L.9* (1+L.10))	\$0.09336	\$0.11835	\$0.11823	\$0.07071	\$0.06018	\$0.05592	
12 Retail Rate—G2 and OL Fixed Power Supply Charge excl. Reconciliation & RGGI Rebate (L.9* (1+L.10))							\$0.08608
13 Reconciliation + RGGI Rebate	(\$113,198)	(\$116,979)	(\$105,978)	(\$101,054)	(\$90,142)	(\$82,373)	(\$609,725)
14 kWh Purchases—Total Non-G1	<u>70,826,548</u>	<u>72,191,940</u>	<u>66,309,076</u>	<u>63,228,292</u>	<u>56,400,286</u>	<u>51,539,878</u>	<u>381,496,020</u>
15 Total, Before Losses (L.13 / L.14)	(\$0.00160)	(\$0.00160)	(\$0.00160)	(\$0.00160)	(\$0.00160)	(\$0.00160)	(\$0.00160)
16 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
17 Retail Rate—Variable Power Supply Charge Reconciliation + RGGI Rebate (L.15* (1+L.16))	(\$0.00170)	(\$0.00170)	(\$0.00170)	(\$0.00170)	(\$0.00170)	(\$0.00170)	(\$0.00170)
18 Retail Rate—Fixed Power Supply Charge Reconciliation + RGGI Rebate (L.15* (1+L.16))							(\$0.00170)
19 Total Retail Rate—Residential Variable Power Supply Charge (L.5 + L.17)	\$0.09336	\$0.11749	\$0.11747	\$0.07223	\$0.06112	\$0.05757	
20 Total Retail Rate—Residential Fixed Power Supply Charge (L.6 + L.18)							\$0.08978
21 Total Retail Rate—G2 and OL Variable Power Supply Charge (L.11 + L.17)	\$0.09165	\$0.11665	\$0.11112	\$0.06901	\$0.05848	\$0.05422	
22 Total Retail Rate—G2 and OL Fixed Power Supply Charge (L.12 + L.18)							\$0.08438

Renewable Portfolio Standard (RPS) Charge							
23 Reconciliation	\$50,231	\$51,909	\$47,027	\$44,843	\$40,000	\$36,553	\$270,563
24 Total Costs	<u>\$206,057</u>	<u>\$275,758</u>	<u>\$340,422</u>	<u>\$324,606</u>	<u>\$289,552</u>	<u>\$264,599</u>	<u>\$1,800,992</u>
25 Reconciliation plus Total Costs (L.23 + L.24)	\$256,288	\$427,667	\$387,450	\$369,448	\$329,552	\$301,152	\$2,071,556
26 kWh Purchases	<u>70,826,548</u>	<u>72,191,940</u>	<u>66,309,076</u>	<u>63,228,292</u>	<u>56,400,286</u>	<u>51,539,878</u>	<u>381,496,020</u>
27 Total, Before Losses (L.25 / L.26)	\$0.00362	\$0.00584	\$0.00584	\$0.00584	\$0.00584	\$0.00584	\$0.00543
28 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
29 Total Retail Rate—Variable RPS Charge (L.27* (1+L.28))	\$0.00385	\$0.00622	\$0.00622	\$0.00622	\$0.00622	\$0.00622	\$0.00578
30 Total Retail Rate—Fixed RPS Charge (L.27* (1+L.28))							

TOTAL DEFAULT SERVICE CHARGE							
31 Total Retail Rate—Residential Variable Default Service Charge (L.19 + L.29)	\$0.09721	\$0.12371	\$0.12369	\$0.07845	\$0.06734	\$0.06379	
32 Total Retail Rate—Residential Fixed Default Service Charge (L.20+L.30)							\$0.09556
33 Total Retail Rate—G2 and OL Variable Default Service Charge (L.21 + L.29)	\$0.09550	\$0.12287	\$0.11734	\$0.07523	\$0.06470	\$0.06044	
34 Total Retail Rate—G2 and OL Fixed Default Service Charge (L.22+L.30)							\$0.09016

in Case No. DE 13-079, dated October 4, 2013

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Issued By: Mark H. Collin
 Treasurer

CALCULATION OF THE DEFAULT SERVICE CHARGE

(R)

Non-G1 Class Default Service:

	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Total
Power Supply Charge							
<u>Residential Class</u>							
1 Reconciliation	(\$28,422)	(\$30,789)	(\$30,594)	(\$28,057)	(\$22,818)	(\$24,819)	(\$165,499)
2 Total Costs	\$3,778,277	\$3,765,779	\$3,830,047	\$2,909,251	\$2,342,851	\$3,558,129	\$20,184,334
3 Reconciliation plus Total Costs (L.1 + L.2)	\$3,749,856	\$3,734,989	\$3,799,453	\$2,881,194	\$2,320,033	\$3,533,311	\$20,018,836
4 kWh Purchases	44,579,889	48,294,080	47,987,975	44,008,359	35,790,181	38,928,509	259,588,993
5 Total, Before Losses (L.3 / L.4)	\$0.08412	\$0.07734	\$0.07918	\$0.06547	\$0.06482	\$0.09076	\$0.07712
6 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
7 Total Retail Rate - Residential Variable Power Supply Charge (L.5 * (1+L.6))	\$0.08950	\$0.08229	\$0.08424	\$0.06966	\$0.06897	\$0.09657	\$0.08205
8 Total Retail Rate - Residential Fixed Power Supply Charge (L.5 * (1+L.6))							
<u>G2 and OL Class</u>							
9 Reconciliation	(\$12,247)	(\$15,483)	(\$16,060)	(\$12,856)	(\$10,746)	(\$10,597)	(\$77,989)
10 Total Costs	\$1,580,690	\$1,919,519	\$1,811,636	\$1,234,290	\$1,018,989	\$1,424,073	\$8,989,195
11 Reconciliation plus Total Costs (L.9 + L.10)	\$1,568,443	\$1,904,036	\$1,795,575	\$1,221,433	\$1,008,242	\$1,413,476	\$8,911,206
12 kWh Purchases	19,212,754	24,289,716	25,195,673	20,169,191	16,859,308	16,624,394	122,351,036
13 Total, Before Losses (L.11 / L.12)	\$0.08164	\$0.07839	\$0.07127	\$0.06056	\$0.05980	\$0.08502	\$0.07283
14 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
15 Total Retail Rate - G2 and OL Variable Power Supply Charge (L.13 * (1+L.14))	\$0.08686	\$0.08341	\$0.07583	\$0.06444	\$0.06363	\$0.09047	\$0.07749
16 Total Retail Rate - G2 and OL Fixed Power Supply Charge (L.13 * (1+L.14))							

Renewable Portfolio Standard (RPS) Charge							
17 Reconciliation	(\$111,967)	(\$127,397)	(\$128,449)	(\$112,642)	(\$92,409)	(\$97,505)	(\$670,368)
18 Total Costs	\$236,739	\$269,370	\$271,599	\$238,170	\$195,389	\$206,160	\$1,417,427
19 Reconciliation plus Total Costs (L.17 + L.18)	\$124,772	\$141,974	\$143,149	\$125,527	\$102,980	\$108,656	\$747,059
20 kWh Purchases	63,792,644	72,583,797	73,183,647	64,177,550	52,649,489	55,552,903	381,940,029
21 Total, Before Losses (L.19 / L.20)	\$0.00196	\$0.00196	\$0.00196	\$0.00196	\$0.00196	\$0.00196	\$0.00196
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))	\$0.00208	\$0.00208	\$0.00208	\$0.00208	\$0.00208	\$0.00208	\$0.00208
24 Total Retail Rate - Fixed RPS Charge (L.21 * (1+L.22))							

TOTAL DEFAULT SERVICE CHARGE							
25 Total Retail Rate - Residential Variable Default Service Charge (L.7 + L.23)	\$0.09158	\$0.08437	\$0.08632	\$0.07174	\$0.07105	\$0.09865	
26 Total Retail Rate - Residential Fixed Default Service Charge (L.8+L.24)							\$0.08413
27 Total Retail Rate - G2 and OL Variable Default Service Charge (L.15 + L.23)	\$0.08894	\$0.08549	\$0.07791	\$0.06652	\$0.06571	\$0.09255	
28 Total Retail Rate - G2 and OL Fixed Default Service Charge (L.16+L.24)							\$0.07957

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Treasurer

CALCULATION OF THE DEFAULT SERVICE CHARGE

CALCULATION OF THE DEFAULT SERVICE CHARGE

(R)

G1 Class Default Service:	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Total
Power Supply Charge							
1 Reconciliation + RGGI Rebate							\$6,794
2 Total Costs excl. wholesale supplier charge							<u>\$19,959</u>
3 Reconciliation plus RGGI Rebate plus Total Costs excl. wholesale supplier charge (L.1 + L.2)							\$26,752
4 kWh Purchases							<u>27,446,464</u>
5 Total, Before Losses (L.3 / L.4)							\$0.00097
6 Losses							<u>4.591%</u>
7 Power Supply Charge excl. wholesale supplier charge (L.5 * (1+L.6)) (2)	\$0.00102	\$0.00102	\$0.00102	\$0.00102	\$0.00102	\$0.00102	\$0.00102
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	
Renewable Portfolio Standard (RPS) Charge							
10 Reconciliation	\$4,775	\$4,471	\$4,716	\$4,189	\$4,602	\$4,839	\$27,594
11 Total Costs	<u>\$14,039</u>	<u>\$23,197</u>	<u>\$24,467</u>	<u>\$21,731</u>	<u>\$23,876</u>	<u>\$25,106</u>	<u>\$132,416</u>
12 Reconciliation plus Total Costs (L.10 + L.11)	\$18,814	\$27,668	\$29,183	\$25,920	\$28,479	\$29,945	\$160,009
13 kWh Purchases	<u>4,749,849</u>	<u>4,447,554</u>	<u>4,691,089</u>	<u>4,166,497</u>	<u>4,577,841</u>	<u>4,813,635</u>	<u>27,446,464</u>
14 Total, Before Losses (L.12 / L.13)	\$0.00396	\$0.00622	\$0.00622	\$0.00622	\$0.00622	\$0.00622	\$0.00622
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))	\$0.00414	\$0.00651	\$0.00651	\$0.00651	\$0.00651	\$0.00651	
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. 25-579 in Case No. DE 13-079, dated October 4, 2013

G1 Class Default Service:	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Total
Power Supply Charge							
1 Reconciliation							\$146,610
2 Total Costs excl. wholesale supplier charge							<u>\$19,338</u>
3 Reconciliation plus Total Costs excl. wholesale supplier charge (L.1 + L.2)							\$165,948
4 kWh Purchases							<u>28,864,983</u>
5 Total, Before Losses (L.3 / L.4)							\$0.00575
6 Losses							<u>4.591%</u>
7 Power Supply Charge excl. wholesale supplier charge (L.5 * (1+L.6)) (2)	\$0.00601	\$0.00601	\$0.00601	\$0.00601	\$0.00601	\$0.00601	\$0.00601
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	
Renewable Portfolio Standard (RPS) Charge							
10 Reconciliation	(\$17,260)	(\$18,346)	(\$16,468)	(\$18,805)	(\$16,374)	(\$15,876)	(\$103,129)
11 Total Costs	<u>\$18,220</u>	<u>\$19,366</u>	<u>\$17,384</u>	<u>\$19,851</u>	<u>\$17,284</u>	<u>\$16,758</u>	<u>\$108,863</u>
12 Reconciliation plus Total Costs (L.10 + L.11)	\$960	\$1,020	\$916	\$1,046	\$910	\$883	\$5,734
13 kWh Purchases	<u>4,830,892</u>	<u>5,134,928</u>	<u>4,609,343</u>	<u>5,263,416</u>	<u>4,582,959</u>	<u>4,443,446</u>	<u>28,864,983</u>
14 Total, Before Losses (L.12 / L.13)	\$0.00020	\$0.00020	\$0.00020	\$0.00020	\$0.00020	\$0.00020	\$0.00020
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))	\$0.00021	\$0.00021	\$0.00021	\$0.00021	\$0.00021	\$0.00021	
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. in Case No. DE 14-061, dated

	<u>Jun-14</u> <u>Estimated</u>	<u>Jul-14</u> <u>Estimated</u>	<u>Aug-14</u> <u>Estimated</u>	<u>Sep-14</u> <u>Estimated</u>	<u>Oct-14</u> <u>Estimated</u>	<u>Nov-14</u> <u>Estimated</u>	<u>Total</u>
<u>Residential Class</u>							
1 Reconciliation (1)	(\$28,422)	(\$30,789)	(\$30,594)	(\$28,057)	(\$22,818)	(\$24,819)	(\$165,499)
2 Total Costs (Page 5)	<u>\$3,778,277</u>	<u>\$3,765,779</u>	<u>\$3,830,047</u>	<u>\$2,909,251</u>	<u>\$2,342,851</u>	<u>\$3,558,129</u>	<u>\$20,184,334</u>
3 Reconciliation plus Total Costs (L.1 + L.2)	\$3,749,856	\$3,734,989	\$3,799,453	\$2,881,194	\$2,320,033	\$3,533,311	\$20,018,836
4 kWh Purchases	<u>44,579,889</u>	<u>48,294,080</u>	<u>47,987,975</u>	<u>44,008,359</u>	<u>35,790,181</u>	<u>38,928,509</u>	<u>259,588,993</u>
5 Total, Before Losses (L.3 / L.4)	\$0.08412	\$0.07734	\$0.07918	\$0.06547	\$0.06482	\$0.09076	\$0.07712
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>
7 Total Retail Rate - Residential Variable Power Supply Charge (L.5 * (1+L.6))	\$0.08950	\$0.08229	\$0.08424	\$0.06966	\$0.06897	\$0.09657	
8 Total Retail Rate - Residential Fixed Power Supply Charge (L.5 * (1+L.6))							\$0.08205
<u>G2 and OL Class</u>							
9 Reconciliation (1)	(\$12,247)	(\$15,483)	(\$16,060)	(\$12,856)	(\$10,746)	(\$10,597)	(\$77,989)
10 Total Costs (Page 5)	<u>\$1,580,690</u>	<u>\$1,919,519</u>	<u>\$1,811,636</u>	<u>\$1,234,290</u>	<u>\$1,018,989</u>	<u>\$1,424,073</u>	<u>\$8,989,195</u>
11 Reconciliation plus Total Costs (L.9 + L.10)	\$1,568,443	\$1,904,036	\$1,795,575	\$1,221,433	\$1,008,242	\$1,413,476	\$8,911,206
12 kWh Purchases	<u>19,212,754</u>	<u>24,289,716</u>	<u>25,195,673</u>	<u>20,169,191</u>	<u>16,859,308</u>	<u>16,624,394</u>	<u>122,351,036</u>
13 Total, Before Losses (L.11 / L.12)	\$0.08164	\$0.07839	\$0.07127	\$0.06056	\$0.05980	\$0.08502	\$0.07283
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>
15 Total Retail Rate - G2 and OL Variable Power Supply Charge (L.13 * (1+L.14))	\$0.08686	\$0.08341	\$0.07583	\$0.06444	\$0.06363	\$0.09047	
16 Total Retail Rate - G2 and OL Fixed Power Supply Charge (L.13 * (1+L.14))							\$0.07749

(1) Balance as of February 28, 2014 modified, as detailed below, to include the reconciliation of estimated costs and revenues for March, April and May 2014. Figure is then allocated between rate periods (June-November 2014 and December 2014-May 2015) and rate classes (Residential and G2/OL), and then to each month, June through November 2014, on equal per kWh basis.

a February 28, 2014 balance - Schedule LSM-2, Page 2		\$3,235,129
b less: Estimated remaining prior period reconciliation - Mar, Apr, May 2014		
c Estimated costs - Mar, Apr, May 2014 as filed in DE 13-079		\$10,436,533
d Estimated revenue-Mar, Apr, May 2014 (Fixed Power Supply Charge * estimated Mar-May 2014 kWh sales), total NonG1		<u>\$14,164,951</u>
e line c - line d		(\$3,728,418)
f Reconciliation for June 1, 2014-May 31, 2015 (line a + line e)		(\$493,290)

	Non-G1 total kWh purchases	% per period	Reconciliation per period
g Rate period: June-November 2014	381,940,029	49.36%	(\$243,488)
h Rate period: December 2014-May 2015	<u>391,898,555</u>	50.64%	<u>(\$249,802)</u>
i Total	773,838,584		(\$493,290)

	Jun-Nov 2014 kWh purchases	% by class	Jun-Nov 2014 Reconciliation by class
j Residential class	259,588,993	67.97%	(\$165,499)
k G2 and OL class	<u>122,351,036</u>	32.03%	<u>(\$77,989)</u>
l Total	381,940,029		(\$243,488)

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Beginning Balance	Total Costs (Page 3)	Total Revenue (Page 4)	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Mar-13	\$1,976,435	\$3,721,336	\$4,126,693	\$1,571,079	\$1,773,757	3.25%	31	\$4,896	\$1,575,975
Apr-13	\$1,575,975	\$3,074,310	\$3,318,553	\$1,331,733	\$1,453,854	3.25%	30	\$3,884	\$1,335,616
May-13	\$1,335,616	\$2,444,311	\$3,132,801	\$647,126	\$991,371	3.25%	31	\$2,736	\$649,862
Jun-13	\$649,862	\$4,005,755	\$4,213,367	\$442,251	\$546,057	3.25%	30	\$1,459	\$443,709
Jul-13	\$443,709	\$5,427,155	\$4,932,288	\$938,576	\$691,143	3.25%	31	\$1,908	\$940,484
Aug-13	\$940,484	\$3,946,069	\$4,424,102	\$462,451	\$701,467	3.25%	31	\$1,936	\$464,387
Sep-13	\$464,387	\$3,562,899	\$4,073,086	(\$45,800)	\$209,294	3.25%	30	\$559	(\$45,241)
Oct-13	(\$45,241)	\$3,240,857	\$3,327,580	(\$131,964)	(\$88,602)	3.25%	31	(\$245)	(\$132,208)
Nov-13	(\$132,208)	\$3,760,581	\$3,467,453	\$160,920	\$14,356	3.25%	30	\$38	\$160,958
Dec-13	\$160,958	\$6,311,934	\$5,590,824	\$882,068	\$521,513	3.25%	31	\$1,440	\$883,508
Jan-14	\$883,508	\$8,020,989	\$6,981,224	\$1,923,272	\$1,403,390	3.25%	31	\$3,874	\$1,927,146
Feb-14	\$1,927,146	<u>\$6,605,287</u>	<u>\$5,303,731</u>	\$3,228,701	\$2,577,924	3.25%	28	<u>\$6,427</u>	\$3,235,129
Total		\$54,121,483	\$52,891,702					\$28,912	

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Calculation of Working Capital Supplier Charges and GIS Support Payments												
(a) Total Non-G1 Class DS Supplier Charges	(b) GIS Support Payments	(c) Number of Days of Lag / 365 (1)	(d) Working Capital Requirement ((a+b)*c)	(e) Prime Rate	(f) Supply Related Working Capital (d * e)	(g) Provision for Uncollected Accounts	(h) Internal Company Administrative Costs	(i) Legal Charges	(j) Consulting Outside Service Charges	(k) RGGI Auction Proceeds	(l) DSC Adjustment per DE 11-105 (2)	(m) Total Costs (sum a + b + f + g + h + i + j + k + l)
Mar-13	\$632	5.94%		3.25%			\$2,162	\$569	\$0	\$0	\$0	\$3,721,336
Apr-13	\$540	5.94%		3.25%			\$2,162	\$380	\$0	\$0	\$0	\$3,074,310
May-13	\$545	5.94%		3.25%			\$2,162	\$0	\$0	(\$359,367)	\$0	\$2,444,311
Jun-13	\$501	4.39%		3.25%			\$2,162	\$0	\$0	\$0	\$41,314	\$4,005,755
Jul-13	\$474	4.39%		3.25%			\$2,162	\$0	\$0	\$0	\$41,314	\$5,427,155
Aug-13	\$827	4.39%		3.25%			\$2,162	\$0	\$0	(\$399,640)	\$41,314	\$3,946,069
Sep-13	\$698	4.39%		3.25%			\$2,162	\$0	\$0	\$0	\$41,314	\$3,562,899
Oct-13	\$616	4.39%		3.25%			\$2,162	\$0	\$0	(\$301,991)	\$41,314	\$3,240,857
Nov-13	\$563	4.39%		3.25%			\$2,162	\$0	\$0	\$0	\$41,314	\$3,760,581
Dec-13	\$519	4.39%		3.25%			\$2,190	\$391	\$0	\$0	\$41,314	\$6,311,934
Jan-14	\$522	4.39%		3.25%			\$2,190	\$0	\$0	\$0	\$41,314	\$8,020,989
Feb-14	\$665	4.39%		3.25%			\$2,190	\$407	\$0	(\$360,758)	\$41,314	\$6,605,287
Total	\$7,103						\$26,024	\$1,747	\$0	(\$1,421,757)	\$371,830	\$54,121,483

(1) For the months Mar-May 2013, number of days lag equals 21.69. Calculated using revenue lag of 51.02 days less cost lead of 29.33 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 22 of 23, DE 12-003 filed March 9, 2012.

For the months Jun 2013-Feb 2014, number of days lag equals 16.01. Calculated using revenue lag of 50.75 days less cost lead of 34.74 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 22 of 23, DE 13-079 filed April 5, 2013.

(2) Details provided on Schedule LSM-2, Page 6.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Total Non-G1 Class Billed Default Service kWh (1)	Unbilled Factor (2)	Non-G1 Class Unbilled kWh (a * b)	Effective Fixed Power Supply Charge	Non-G1 Class Unbilled Power Supply Charge Revenue (c * d)	Reversal of prior month unbilled	Total Billed Non-G1 Class Power Supply Charge Revenue (1)	Total Revenue (e + f + g)	
Mar-13	56,660,997	60.74%	34,414,869	\$0.06801	\$2,340,555	(\$2,072,535)	\$3,858,673	\$4,126,693
Apr-13	54,211,893	53.72%	29,122,951	\$0.06801	\$1,980,652	(\$2,340,555)	\$3,678,456	\$3,318,553
May-13	49,176,499	53.18%	26,152,002	\$0.06801	\$1,778,598	(\$1,980,652)	\$3,334,856	\$3,132,801
Jun-13	56,036,577	57.95%	32,475,899	\$0.06764	\$2,196,670	(\$1,778,598)	\$3,795,295	\$4,213,367
Jul-13	65,885,403	59.91%	39,473,638	\$0.06764	\$2,669,997	(\$2,196,670)	\$4,458,961	\$4,932,288
Aug-13	71,491,749	46.62%	33,329,500	\$0.06764	\$2,254,407	(\$2,669,997)	\$4,839,691	\$4,424,102
Sep-13	65,433,109	42.95%	28,105,091	\$0.06764	\$1,901,028	(\$2,254,407)	\$4,426,465	\$4,073,086
Oct-13	47,230,353	63.77%	30,120,642	\$0.06764	\$2,037,360	(\$1,901,028)	\$3,191,248	\$3,327,580
Nov-13	53,856,964	51.20%	27,576,965	\$0.06764	\$1,865,306	(\$2,037,360)	\$3,639,507	\$3,467,453
Total	519,983,544				\$19,024,573	(\$19,231,803)	\$35,223,152	\$35,015,922

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(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 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 Non-G1 Class Power Supply Charge Revenue (1)	Total Revenue (e + j + k + l)	
Dec-13	41,967,017	57.21%	24,009,579	\$0.08978	\$2,155,580	17,480,531	57.21%	10,000,716	\$0.08438	\$843,860	(\$1,865,306)	\$4,456,689	\$5,590,824
Jan-14	50,663,876	58.87%	29,827,096	\$0.08978	\$2,677,877	20,198,906	58.87%	11,891,603	\$0.08438	\$1,003,413	(\$2,999,440)	\$6,299,374	\$6,981,224
Feb-14	45,627,883	52.56%	23,982,363	\$0.08978	\$2,153,137	20,480,829	52.56%	10,764,880	\$0.08438	\$908,341	(\$3,681,290)	\$5,923,545	\$5,303,731
Total	138,258,776				\$6,986,593	58,160,267			\$2,755,614	(\$8,546,037)	\$16,679,608	\$17,875,780	

(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-13	67,744,301	41,146,668	60.74%
Apr-13	66,242,284	35,585,749	53.72%
May-13	61,596,496	32,756,941	53.18%
Jun-13	69,649,584	40,365,293	57.95%
Jul-13	79,814,146	47,818,705	59.91%
Aug-13	86,742,150	40,439,246	46.62%
Sep-13	80,261,535	34,474,256	42.95%
Oct-13	58,903,558	37,565,101	63.77%
Nov-13	66,769,744	34,188,836	51.20%
Dec-13	72,244,261	41,331,370	57.21%
Jan-14	86,962,805	51,197,188	58.87%
Feb-14	81,720,077	42,952,696	52.56%

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

(a)	(b)	(c)	Calculation of Working Capital Supplier Charges and GIS Support Payments		(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
Non-G1 Class (Residential) DS Supplier Charges (1)	Non-G1 Class (G2 and OL) DS Supplier Charges (1)	GIS Support Payments	Number of Days of Lag / 365 (2)	Working Capital Requirement ((a+b+c)*d)	Prime Rate	Supply Related Working Capital (e * f)	Provision for Uncollected Accounts	Internal Company Administrative Costs	Legal Charges	Consulting Outside Service Charges	DSC Adjustment per DE 11-105 (3)	Non-G1 Class (Residential) DS Supplier Charges (col. a)	Non-G1 Class (G2 and OL) DS Supplier Charges (col. b)	Total Remaining Costs (sum col. c + g + h + i + j + k + l)	Total All Costs (sum col. m + n + o)
Jun-14		\$555	\$0		3.25%			\$2,190	\$0	\$0	\$41,314			\$5,358,967	
Jul-14		\$631	\$0		3.25%			\$2,190	\$0	\$0	\$41,314			\$5,685,297	
Aug-14		\$637	\$0		3.25%			\$2,190	\$0	\$0	\$41,314			\$5,641,683	
Sep-14		\$558	\$0		3.25%			\$2,190	\$0	\$0	\$41,314			\$4,143,541	
Oct-14		\$458	\$0		3.25%			\$2,190	\$0	\$0	\$41,314			\$3,361,840	
Nov-14		\$483	\$0		3.25%			\$2,190	\$0	\$0	\$41,314			\$4,982,202	
Total		\$3,323						\$13,137	\$0	\$0	\$247,886			\$29,173,530	

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 (4)	Total Non-G1 Class (Residential) Power Supply Charges	Non-G1 Class (G2 and OL) DS Supplier Charges (col. b)	Allocation of Remaining Costs (col. o) to G2 and OL Class (4)	Total Non-G1 Class (G2 and OL) Power Supply Charges
(i)	(ii)	(iii) = (i) + (ii)	(iv)	(v)	(vi) = (iv) + (v)
Jun-14		\$3,778,277	Jun-14		\$1,580,690
Jul-14		\$3,765,779	Jul-14		\$1,919,519
Aug-14		\$3,830,047	Aug-14		\$1,811,636
Sep-14		\$2,909,251	Sep-14		\$1,234,290
Oct-14		\$2,342,851	Oct-14		\$1,018,989
Nov-14		\$3,558,129	Nov-14		\$1,424,073
Total		\$20,184,334	Total		\$8,989,195

- (1) Estimates based on monthly average wholesale rate times estimated monthly purchases.
- (2) Number of days lag equals 7.48. Calculated using revenue lag of 49.97 days less cost lead of 42.49 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 22 of 23, DE 14-061 filed April 4, 2014.
- (3) Details provided on Schedule LSM-2, Page 6.
- (4) 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 Class kWh Purchases / Total Non-G1 Class kWh Purchases	G2 and OL Class kWh Purchases / Total Non-G1 Class kWh Purchases	
Jun-14	44,579,889	19,212,754	63,792,644	69.9%	30.1%
Jul-14	48,294,080	24,289,716	72,583,797	66.5%	33.5%
Aug-14	47,987,975	25,195,673	73,183,647	65.6%	34.4%
Sep-14	44,008,359	20,169,191	64,177,550	68.6%	31.4%
Oct-14	35,790,181	16,859,308	52,649,489	68.0%	32.0%
Nov-14	38,928,509	16,624,394	55,552,903	70.1%	29.9%
Total	259,588,993	122,351,036	381,940,029	68.0%	32.0%

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		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
		Beginning Balance-NonG1 DS Customer Billing Adjustment	Total Revenue	Ending Balance Before Interest (a - b)	Average Monthly Balance ((a+c) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (c + g)
Jun-12	Actual	\$1,152,493		\$1,152,493	\$1,152,493	3.25%	30	\$3,070	\$1,155,563
Jul-12	Actual	\$1,155,563		\$1,155,563	\$1,155,563	3.25%	31	\$3,181	\$1,158,744
Aug-12	Actual	\$1,158,744		\$1,158,744	\$1,158,744	3.25%	31	\$3,190	\$1,161,934
Sep-12	Actual	\$1,161,934		\$1,161,934	\$1,161,934	3.25%	30	\$3,095	\$1,165,029
Oct-12	Actual	\$1,165,029		\$1,165,029	\$1,165,029	3.25%	31	\$3,207	\$1,168,236
Nov-12	Actual	\$1,168,236		\$1,168,236	\$1,168,236	3.25%	30	\$3,112	\$1,171,348
Dec-12	Actual	\$1,171,348		\$1,171,348	\$1,171,348	3.25%	31	\$3,224	\$1,174,573
Jan-13	Actual	\$1,174,573		\$1,174,573	\$1,174,573	3.25%	31	\$3,242	\$1,177,815
Feb-13	Actual	\$1,177,815		\$1,177,815	\$1,177,815	3.25%	28	\$2,936	\$1,180,751
Mar-13	Actual	\$1,180,751		\$1,180,751	\$1,180,751	3.25%	31	\$3,259	\$1,184,011
Apr-13	Actual	\$1,184,011		\$1,184,011	\$1,184,011	3.25%	30	\$3,163	\$1,187,173
May-13	Actual	\$1,187,173		\$1,187,173	\$1,187,173	3.25%	31	\$3,277	\$1,190,450
Jun-13	Actual	\$1,190,450	\$41,314	\$1,149,136	\$1,169,793	3.25%	30	\$3,125	\$1,152,261
Jul-13	Actual	\$1,152,261	\$41,314	\$1,110,946	\$1,131,604	3.25%	31	\$3,124	\$1,114,070
Aug-13	Actual	\$1,114,070	\$41,314	\$1,072,755	\$1,093,413	3.25%	31	\$3,018	\$1,075,774
Sep-13	Actual	\$1,075,774	\$41,314	\$1,034,459	\$1,055,116	3.25%	30	\$2,818	\$1,037,278
Oct-13	Actual	\$1,037,278	\$41,314	\$995,963	\$1,016,620	3.25%	31	\$2,806	\$998,769
Nov-13	Actual	\$998,769	\$41,314	\$957,455	\$978,112	3.25%	30	\$2,613	\$960,068
Total Dec-12 to Nov-13			\$247,886					\$36,606	
Dec-13	Actual	\$960,068	\$41,314	\$918,753	\$939,411	3.25%	31	\$2,593	\$921,346
Jan-14	Actual	\$921,346	\$41,314	\$880,032	\$900,689	3.25%	31	\$2,486	\$882,518
Feb-14	Actual	\$882,518	\$41,314	\$841,204	\$861,861	3.25%	28	\$2,149	\$843,352
Mar-14	Estimate	\$843,352	\$41,314	\$802,038	\$822,695	3.25%	31	\$2,271	\$804,309
Apr-14	Estimate	\$804,309	\$41,314	\$762,994	\$783,652	3.25%	30	\$2,093	\$765,088
May-14	Estimate	\$765,088	\$41,314	\$723,773	\$744,431	3.25%	31	\$2,055	\$725,828
Jun-14	Estimate	\$725,828	\$41,314	\$684,514	\$705,171	3.25%	30	\$1,884	\$686,397
Jul-14	Estimate	\$686,397	\$41,314	\$645,083	\$665,740	3.25%	31	\$1,838	\$646,921
Aug-14	Estimate	\$646,921	\$41,314	\$605,606	\$626,264	3.25%	31	\$1,729	\$607,335
Sep-14	Estimate	\$607,335	\$41,314	\$566,021	\$586,678	3.25%	30	\$1,567	\$567,588
Oct-14	Estimate	\$567,588	\$41,314	\$526,273	\$546,930	3.25%	31	\$1,510	\$527,783
Nov-14	Estimate	\$527,783	\$41,314	\$486,469	\$507,126	3.25%	30	\$1,355	\$487,823
Total Dec-13 to Nov-14			\$495,773					\$23,528	
Dec-14	Estimate	\$487,823	\$41,314	\$446,509	\$467,166	3.25%	31	\$1,290	\$447,798
Jan-15	Estimate	\$447,798	\$41,314	\$406,484	\$427,141	3.25%	31	\$1,179	\$407,663
Feb-15	Estimate	\$407,663	\$41,314	\$366,349	\$387,006	3.25%	28	\$965	\$367,313
Mar-15	Estimate	\$367,313	\$41,314	\$325,999	\$346,656	3.25%	31	\$957	\$326,956
Apr-15	Estimate	\$326,956	\$41,314	\$285,641	\$306,299	3.25%	30	\$818	\$286,460
May-15	Estimate	\$286,460	\$41,314	\$245,145	\$265,802	3.25%	31	\$734	\$245,879
Jun-15	Estimate	\$245,879	\$41,314	\$204,564	\$225,222	3.25%	30	\$602	\$205,166
Jul-15	Estimate	\$205,166	\$41,314	\$163,852	\$184,509	3.25%	31	\$509	\$164,361
Aug-15	Estimate	\$164,361	\$41,314	\$123,047	\$143,704	3.25%	31	\$397	\$123,443
Sep-15	Estimate	\$123,443	\$41,314	\$82,129	\$102,786	3.25%	30	\$275	\$82,403
Oct-15	Estimate	\$82,403	\$41,314	\$41,089	\$61,746	3.25%	31	\$170	\$41,259
Nov-15	Estimate	\$41,259	\$41,314	(\$55)	\$20,602	3.25%	30	\$55	\$0
Total Dec-14 to Nov-15			\$495,773					\$7,950	
Total Jun-12 to Nov-15				\$1,239,432				\$86,939	

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

Schedule LSM-3
 Page 1 of 6

	<u>Jun-14</u>	<u>Jul-14</u>	<u>Aug-14</u>	<u>Sep-14</u>	<u>Oct-14</u>	<u>Nov-14</u>	<u>Total</u>
1 Reconciliation (1)	(\$111,967)	(\$127,397)	(\$128,449)	(\$112,642)	(\$92,409)	(\$97,505)	(\$670,368)
2 Total Costs (Page 5)	\$236,739	\$269,370	\$271,599	\$238,170	\$195,389	\$206,160	\$1,417,427
3 Reconciliation plus Total Costs (L.1 + L.2)	\$124,772	\$141,974	\$143,149	\$125,527	\$102,980	\$108,656	\$747,059
4 kWh Purchases	<u>63,792,644</u>	<u>72,583,797</u>	<u>73,183,647</u>	<u>64,177,550</u>	<u>52,649,489</u>	<u>55,552,903</u>	<u>381,940,029</u>
5 Total, Before Losses (L.3 / L.4)	\$0.00196	\$0.00196	\$0.00196	\$0.00196	\$0.00196	\$0.00196	\$0.00196
6 Losses	<u>6.40%</u>						
7 Total Retail Rate - Variable RPS Charge (L.5 * (1+L.6))	\$0.00208	\$0.00208	\$0.00208	\$0.00208	\$0.00208	\$0.00208	
8 Total Retail Rate - Fixed RPS Charge (L.5 * (1+L.6))							\$0.00208

(1) Balance as of February 28, 2014 modified, as detailed below, to reflect that current rates (through May 31, 2014) include a charge for the undercollection as of February 28, 2013, to reflect accruals for RPS, and to include the Renewable Source Option balance. Figure is then allocated between rate periods (June-November 2014 and December 2014-May 2015) and then to each month, June through November 2014, on equal per kWh basis.

a	February 28, 2014 actual balance - Schedule LSM-3, Page 2	(\$4,000,205)
b	less: Estimated remaining prior period reconciliation - Mar, Apr, May 2014	
c	Estimated kWh Sales Mar-May 2014	160,872,609
d	Amount of reconciliation in current rate	<u>\$0.00076</u>
e	Estimated amount of reconciliation - Mar-May 2014	\$122,263
f	plus: Non-G1 Class RPS amounts included in rate filings, Mar 2013-Feb 2014	\$2,888,698
g	less: Non-G1 Class RPS amounts, CY 2013 requirement, purchased	<u>\$124,038</u>
h	Net Non-G1 Class RPS amounts included in rate filings, Mar 2013-Feb 2014	\$2,764,660
i	February 28, 2014 Renewable Source Option reconciliation balance -Schedule LSM-3, Page 6	(\$313)
j	Total reconciliation for June 1, 2014-May 31, 2015 (line a - line e + line h + line i)	(\$1,358,120)

	<u>Non-G1 total</u>	<u>% per period</u>	<u>Reconciliation</u>
k	<u>kWh purchases</u>		<u>per period</u>
k	Rate period: June-November 2014	49.36%	(\$670,368)
l	Rate period: December 2014-May 2015	50.64%	(\$687,752)
m	Total	773,838,584	(\$1,358,120)

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

Schedule LSM-3
 Page 2 of 6

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Beginning Balance	Total Costs (Page 3)	Total Revenue (Page 4)	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Mar-13	(\$2,215,117)	\$0	\$228,704	(\$2,443,820)	(\$2,329,468)	3.25%	31	(\$6,430)	(\$2,450,250)
Apr-13	(\$2,450,250)	\$425,531	\$184,678	(\$2,209,397)	(\$2,329,823)	3.25%	30	(\$6,224)	(\$2,215,620)
May-13	(\$2,215,620)	\$228,203	\$174,396	(\$2,161,813)	(\$2,188,717)	3.25%	31	(\$6,041)	(\$2,167,855)
Jun-13	(\$2,167,855)	\$586,798	\$229,477	(\$1,810,533)	(\$1,989,194)	3.25%	30	(\$5,314)	(\$1,815,847)
Jul-13	(\$1,815,847)	\$15,810	\$266,757	(\$2,066,794)	(\$1,941,320)	3.25%	31	(\$5,359)	(\$2,072,152)
Aug-13	(\$2,072,152)	\$62,445	\$239,180	(\$2,248,887)	(\$2,160,519)	3.25%	31	(\$5,964)	(\$2,254,850)
Sep-13	(\$2,254,850)	\$0	\$220,364	(\$2,475,215)	(\$2,365,032)	3.25%	30	(\$6,318)	(\$2,481,532)
Oct-13	(\$2,481,532)	\$15,198	\$180,240	(\$2,646,574)	(\$2,564,053)	3.25%	31	(\$7,077)	(\$2,653,652)
Nov-13	(\$2,653,652)	(\$5,783)	\$187,800	(\$2,847,235)	(\$2,750,443)	3.25%	30	(\$7,347)	(\$2,854,582)
Dec-13	(\$2,854,582)	\$31,278	\$298,616	(\$3,121,920)	(\$2,988,251)	3.25%	31	(\$8,248)	(\$3,130,168)
Jan-14	(\$3,130,168)	\$39,397	\$509,373	(\$3,600,144)	(\$3,365,156)	3.25%	31	(\$9,289)	(\$3,609,433)
Feb-14	(\$3,609,433)	<u>(\$37,160)</u>	<u>\$343,279</u>	(\$3,989,872)	(\$3,799,653)	3.25%	28	<u>(\$10,332)(1)</u>	(\$4,000,205)
Total		\$1,361,718	\$3,062,863					(\$83,942)	

(1) Includes (\$859.39) to adjust interest for reclass of RSP costs between NonG1 and G1 class related to ACP payment made in June 2013.

	(a) Renewable Energy Credits (1)	Calculation of Working Capital			(f) Total Costs (sum a + e)
		(b) Number of Days of Lag / 365 (2)	(c) Working Capital Requirement (a*b)	(d) Prime Rate	
Mar-13	\$0	(73.78%)	\$0	3.25%	\$0
Apr-13	\$435,985	(73.78%)	(\$321,662)	3.25%	(\$10,454)
May-13	\$233,809	(73.78%)	(\$172,500)	3.25%	(\$5,606)
Jun-13	\$600,609	(70.75%)	(\$424,952)	3.25%	(\$13,811)
Jul-13	\$16,183	(70.75%)	(\$11,450)	3.25%	(\$372)
Aug-13	\$63,915	(70.75%)	(\$45,222)	3.25%	(\$1,470)
Sep-13	\$0	(70.75%)	\$0	3.25%	\$0
Oct-13	\$15,556	(70.75%)	(\$11,006)	3.25%	(\$358)
Nov-13	(\$5,919)	(70.75%)	\$4,188	3.25%	\$136
Dec-13	\$32,014	(70.75%)	(\$22,651)	3.25%	(\$736)
Jan-14	\$40,324	(70.75%)	(\$28,531)	3.25%	(\$927)
Feb-14	<u>(\$38,035)(1)</u>	(70.75%)	\$26,911	3.25%	<u>\$875</u>
Total	\$1,394,441				(\$32,723)

(1) Includes (\$40,053.50) to reclass of RSP costs between NonG1 and G1 class related to ACP payment made in June 2013.

(2) For the months Mar-May 2013, number of days lag equals (269.29). Calculated using revenue lag of 51.02 days less cost lead of 320.31 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 22 of 23, DE 12-003 filed March 9, 2012.

For the months Jun 2013-Feb 2014, number of days lag equals (258.25). Calculated using revenue lag of 50.75 days less cost lead of 309.00 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 22 of 23, DE 13-079 filed April 5, 2013.

	(a) Total Non-G1 Class Billed Default Service kWh (1)	(b) Unbilled Factor (2)	(c) Non-G1 Class Unbilled kWh (a * b)	(d) Effective Fixed RPS Charge	(e) Non-G1 Class Unbilled RPS Charge Revenue (c * d)	(f) Reversal of prior month unbilled	(g) Total Billed Non- G1 Class RPS Charge Revenue (1)	(h) Total Revenue (e + f + g)
Mar-13	56,660,997	60.74%	34,414,869	\$0.00377	\$129,744	(\$114,887)	\$213,846	\$228,704
Apr-13	54,211,893	53.72%	29,122,951	\$0.00377	\$109,794	(\$129,744)	\$204,628	\$184,678
May-13	49,176,499	53.18%	26,152,002	\$0.00377	\$98,593	(\$109,794)	\$185,596	\$174,396
Jun-13	56,036,577	57.95%	32,475,899	\$0.00366	\$118,862	(\$98,593)	\$209,208	\$229,477
Jul-13	65,885,403	59.91%	39,473,638	\$0.00366	\$144,474	(\$118,862)	\$241,145	\$266,757
Aug-13	71,491,749	46.62%	33,329,500	\$0.00366	\$121,986	(\$144,474)	\$261,667	\$239,180
Sep-13	65,433,109	42.95%	28,105,091	\$0.00366	\$102,865	(\$121,986)	\$239,486	\$220,364
Oct-13	47,230,353	63.77%	30,120,642	\$0.00366	\$110,242	(\$102,865)	\$172,863	\$180,240
Nov-13	53,856,964	51.20%	27,576,965	\$0.00366	\$100,932	(\$110,242)	\$197,110	\$187,800
Dec-13	59,447,548	57.21%	34,010,295	\$0.00578	\$138,775 (3)	(\$100,932)	\$260,772	\$298,616
Jan-14	70,862,782	58.87%	41,718,700	\$0.00578	\$241,134	(\$138,775)	\$407,014	\$509,373
Feb-14	<u>66,108,712</u>	52.56%	34,747,243	\$0.00578	<u>\$200,839</u>	<u>(\$241,134)</u>	<u>\$383,574</u>	<u>\$343,279</u>
Total	716,402,586				\$1,618,238	(\$1,532,286)	\$2,976,911	\$3,062,863

(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-13	67,744,301	41,146,668	60.74%
Apr-13	66,242,284	35,585,749	53.72%
May-13	61,596,496	32,756,941	53.18%
Jun-13	69,649,584	40,365,293	57.95%
Jul-13	79,814,146	47,818,705	59.91%
Aug-13	86,742,150	40,439,246	46.62%
Sep-13	80,261,535	34,474,256	42.95%
Oct-13	58,903,558	37,565,101	63.77%
Nov-13	66,769,744	34,188,836	51.20%
Dec-13	72,244,261	41,331,370	57.21%
Jan-14	86,962,805	51,197,188	58.87%
Feb-14	81,720,077	42,952,696	52.56%

(3) Calculation of unbilled revenue in December 2013 based on incorrect kWh; revised in January 2014.

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

Schedule LSM-3
Page 5 of 6

	(a) Renewable Energy Credits (1)	<i>Calculation of Working Capital</i>				(f) Total Costs (sum a + e)
		(b) Number of Days of Lag / 365	(c) Working Capital Requirement (a*b)	(d) Prime Rate	(e) Supply Related Working Capital (c * d)	
Jun-14	\$243,619	(86.89%)	(\$211,681)	3.25%	(\$6,880)	\$236,739
Jul-14	\$277,198	(86.89%)	(\$240,859)	3.25%	(\$7,828)	\$269,370
Aug-14	\$279,491	(86.89%)	(\$242,851)	3.25%	(\$7,893)	\$271,599
Sep-14	\$245,091	(86.89%)	(\$212,961)	3.25%	(\$6,921)	\$238,170
Oct-14	\$201,067	(86.89%)	(\$174,708)	3.25%	(\$5,678)	\$195,389
Nov-14	<u>\$212,151</u>	(86.89%)	(\$184,339)	3.25%	<u>(\$5,991)</u>	<u>\$206,160</u>
Total	\$1,458,617				(\$41,190)	\$1,417,427

(1) Schedule TMB-4.

(2) Number of days lag equals (317.15). Calculated using revenue lag of 49.97 days less cost lead of 367.12 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 22 of 23, DE 14-061 filed April 4, 2014.

Unitil Energy Systems, Inc.
 Reconciliation of Renewable Source Option ("RSO") Costs and Revenues

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Beginning Balance	Total Costs	Total Revenue	Ending Balance Before Interest + b - c	(a) Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Sep-10	\$0	\$0	\$0	\$0	\$0	3.25%	30	\$0	\$0
Oct-10	\$0	\$0	\$12	(\$12)	(\$6)	3.25%	31	(\$0)	(\$12)
Nov-10	(\$12)	\$0	\$150	(\$162)	(\$87)	3.25%	30	(\$0)	(\$163)
Dec-10	(\$163)	\$0	\$181	(\$344)	(\$253)	3.25%	31	(\$1)	(\$344)
Jan-11	(\$344)	\$0	\$210	(\$555)	(\$450)	3.25%	31	(\$1)	(\$556)
Feb-11	(\$556)	\$0	\$215	(\$771)	(\$663)	3.25%	28	(\$2)	(\$772)
Mar-11	(\$772)	\$0	\$177	(\$949)	(\$861)	3.25%	31	(\$2)	(\$951)
Apr-11	(\$951)	\$0	\$166	(\$1,118)	(\$1,034)	3.25%	30	(\$3)	(\$1,120)
May-11	(\$1,120)	\$0	\$154	(\$1,275)	(\$1,197)	3.25%	31	(\$3)	(\$1,278)
Jun-11	(\$1,278)	\$0	\$176	(\$1,454)	(\$1,366)	3.25%	30	(\$4)	(\$1,457)
Jul-11	(\$1,457)	\$0	\$219	(\$1,676)	(\$1,567)	3.25%	31	(\$4)	(\$1,680)
Aug-11	(\$1,680)	\$0	\$223	(\$1,903)	(\$1,792)	3.25%	31	(\$5)	(\$1,908)
Sep-11	(\$1,908)	\$0	\$216	(\$2,125)	(\$2,016)	3.25%	30	(\$5)	(\$2,130)
Oct-11	(\$2,130)	\$279	\$195	(\$2,046)	(\$2,088)	3.25%	31	(\$6)	(\$2,052)
Nov-11	(\$2,052)	\$0	(\$3)	(\$2,049)	(\$2,051)	3.25%	30	(\$5)	(\$2,055)
Dec-11	(\$2,055)	\$0	\$224	(\$2,279)	(\$2,167)	3.25%	31	(\$6)	(\$2,285)
Jan-12	(\$2,285)	\$0	\$255	(\$2,540)	(\$2,413)	3.25%	31	(\$7)	(\$2,547)
Feb-12	(\$2,547)	\$0	\$247	(\$2,794)	(\$2,671)	3.25%	29	(\$7)	(\$2,801)
Mar-12	(\$2,801)	\$0	\$217	(\$3,018)	(\$2,909)	3.25%	31	(\$8)	(\$3,026)
Apr-12	(\$3,026)	\$0	\$181	(\$3,206)	(\$3,116)	3.25%	30	(\$8)	(\$3,215)
May-12	(\$3,215)	\$0	\$263	(\$3,478)	(\$3,346)	3.25%	31	(\$9)	(\$3,487)
Jun-12	(\$3,487)	\$4,300	\$330	\$482	(\$1,502)	3.25%	30	(\$4)	\$478
Jul-12	\$478	\$0	\$392	\$86	\$282	3.25%	31	\$1	\$87
Aug-12	\$87	\$0	\$396	(\$309)	(\$111)	3.25%	31	(\$0)	(\$309)
Sep-12	(\$309)	\$0	\$326	(\$635)	(\$472)	3.25%	30	(\$1)	(\$636)
Oct-12	(\$636)	\$0	\$277	(\$913)	(\$774)	3.25%	31	(\$2)	(\$915)
Nov-12	(\$915)	\$0	\$311	(\$1,226)	(\$1,070)	3.25%	30	(\$3)	(\$1,229)
Dec-12	(\$1,229)	\$0	\$418	(\$1,647)	(\$1,438)	3.25%	31	(\$4)	(\$1,651)
Jan-13	(\$1,651)	\$0	\$466	(\$2,117)	(\$1,884)	3.25%	31	(\$5)	(\$2,122)
Feb-13	(\$2,122)	\$0	\$464	(\$2,586)	(\$2,354)	3.25%	28	(\$6)	(\$2,592)
Mar-13	(\$2,592)	\$0	\$376	(\$2,968)	(\$2,780)	3.25%	31	(\$8)	(\$2,975)
Apr-13	(\$2,975)	\$0	\$353	(\$3,328)	(\$3,152)	3.25%	30	(\$8)	(\$3,337)
May-13	(\$3,337)	\$0	\$158	(\$3,495)	(\$3,416)	3.25%	31	(\$9)	(\$3,505)
Jun-13	(\$3,505)	\$0	\$328	(\$3,832)	(\$3,669)	3.25%	30	(\$10)	(\$3,842)
Jul-13	(\$3,842)	\$0	\$451	(\$4,294)	(\$4,068)	3.25%	31	(\$11)	(\$4,305)
Aug-13	(\$4,305)	\$0	\$464	(\$4,769)	(\$4,537)	3.25%	31	(\$13)	(\$4,782)
Sep-13	(\$4,782)	\$0	\$408	(\$5,190)	(\$4,986)	3.25%	30	(\$13)	(\$5,203)
Oct-13	(\$5,203)	\$0	\$324	(\$5,527)	(\$5,365)	3.25%	31	(\$15)	(\$5,542)
Nov-13	(\$5,542)	\$6,154	\$431	\$181	(\$2,681)	3.25%	30	(\$7)	\$174
Dec-13	\$174	\$0	\$485	(\$311)	(\$69)	3.25%	31	(\$0)	(\$311)
Jan-14	(\$311)	\$0	\$0	(\$311)	(\$311)	3.25%	31	(\$1)	(\$312)
Feb-14	(\$312)	\$0	\$0	(\$312)	(\$312)	3.25%	31	(\$1)	(\$313)
Total		\$10,733	\$10,838					(\$208)	

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

	<u>Total</u> <u>Jun14-Nov14</u>	
1 Reconciliation (1)	\$146,610	
2 Total Costs excl. wholesale supplier charge (Page 5)	<u>\$19,338</u>	
3 Reconciliation plus Total Costs excl. wholesale supplier charge (L.1 + L.2)	\$165,948	
4 kWh Purchases	<u>28,864,983</u>	
5 Total, Before Losses (L.3 / L.4)	\$0.00575	
6 Losses	<u>4.591%</u>	
7 Power Supply Charge excl. wholesale supplier charge (L.5 * (1+L.6)) (2)	\$0.00601	
 (1) Balance as of February 28, 2014 modified, as detailed below, to reflect that current rates (through May 31, 2014) include a charge for the undercollection as of February 28, 2013. Figure is then allocated between rate periods (June-November 2014 and December 2014-May 2015) and then to each month, June through November 2014, on equal per kWh basis.		
a February 28, 2014 actual balance - Schedule LSM-4, Page 2	\$441,833	
b less: Estimated remaining charge for February 2013 reconciliation - Mar, Apr, May 2014		
c Estimated kWh Sales March-May 2014	12,907,363	
d Amount of reconciliation in current rate	<u>\$0.00026</u>	
e Estimated amount of reconciliation to be credited March-May 2014	\$3,356	
f plus: Estimated overcollection due to decrease in power supply costs in March 2014	(\$151,478)	
g Total reconciliation for June 1, 2014-May 31, 2015 (line a - line e + line f)	\$286,999	
h kWh purchases forecast June-November 2014	28,864,983	51.08%
i kWh purchases forecast December 2014-May 2015	<u>27,640,219</u>	48.92%
j Total	56,505,202	
k Reconciliation amount for June-November 2014	(line g * line h%)	\$146,610
l Reconciliation amount for December 2014-May 2015	(line g * line i%)	<u>\$140,389</u>
m Total	(line k + line l)	\$286,999

(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)
	Beginning	Total Costs (Page	Total Revenue	Ending	Average	Interest Rate	Number of	Computed	Ending Balance
	Balance	3)	(Page 4)	Balance	Monthly		Days / Month	Interest	with Interest (d
				Before	Balance				+ h)
				Interest	((a+d) / 2)				
				(a + b - c)					
Mar-13	\$349,284	\$247,713	\$567,503	\$29,494	\$189,389	3.25%	31	\$523	\$30,017
Apr-13	\$30,017	\$216,882	\$292,974	(\$46,075)	(\$8,029)	3.25%	30	(\$21)	(\$46,096)
May-13	(\$46,096)	\$225,014	\$233,743	(\$54,826)	(\$50,461)	3.25%	31	(\$139)	(\$54,965)
Jun-13	(\$54,965)	\$263,915	\$286,666	(\$77,716)	(\$66,341)	3.25%	30	(\$177)	(\$77,894)
Jul-13	(\$77,894)	\$428,580	\$306,184	\$44,502	(\$16,696)	3.25%	31	(\$46)	\$44,456
Aug-13	\$44,456	\$273,320	\$433,582	(\$115,806)	(\$35,675)	3.25%	31	(\$98)	(\$115,904)
Sep-13	(\$115,904)	\$274,486	\$322,173	(\$163,591)	(\$139,748)	3.25%	30	(\$373)	(\$163,964)
Oct-13	(\$163,964)	\$214,061	\$320,753	(\$270,657)	(\$217,310)	3.25%	31	(\$600)	(\$271,256)
Nov-13	(\$271,256)	\$276,687	\$226,708	(\$221,277)	(\$246,267)	3.25%	30	(\$658)	(\$221,935)
Dec-13	(\$221,935)	\$659,786	\$277,124	\$160,728	(\$30,603)	3.25%	31	(\$84)	\$160,644
Jan-14	\$160,644	\$1,156,950	\$841,771	\$475,823	\$318,233	3.25%	31	\$878	\$476,702
Feb-14	\$476,702	<u>\$1,092,485</u>	<u>\$1,128,497</u>	\$440,690	\$458,696	3.25%	28	<u>\$1,144</u>	\$441,833
Total		\$5,329,880	\$5,237,678					\$347	

000200

<i>Calculation of Working Capital Supplier Charges and GIS Support Payments</i>											
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Total G1 Class DS Supplier Charges	GIS 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	RGGI Auction Proceeds	Total Costs (sum a + b + f + g + h + i + j + k)
Mar-13	\$44	2.43%		3.25%			\$3,294	(\$569)	\$0	\$0	\$247,713
Apr-13	\$41	2.43%		3.25%			\$3,294	\$29	\$0	\$0	\$216,882
May-13	\$48	2.43%		3.25%			\$3,294	\$0	\$0	(\$27,589)	\$225,014
Jun-13	\$42	(0.37%)		3.25%			\$3,294	\$0	\$0	\$0	\$263,915
Jul-13	\$37	(0.37%)		3.25%			\$3,294	\$0	\$0	\$0	\$428,580
Aug-13	\$65	(0.37%)		3.25%			\$3,294	\$0	\$0	(\$30,681)	\$273,320
Sep-13	\$64	(0.37%)		3.25%			\$3,294	\$0	\$0	\$0	\$274,486
Oct-13	\$63	(0.37%)		3.25%			\$3,294	\$421	\$0	(\$23,184)	\$214,061
Nov-13	\$51	(0.37%)		3.25%			\$3,294	\$0	\$0	\$0	\$276,687
Dec-13	\$41	(0.37%)		3.25%			\$3,329	(\$391)	\$0	\$0	\$659,786
Jan-14	\$48	(0.37%)		3.25%			\$3,329	\$0	\$0	\$0	\$1,156,950
Feb-14	\$73	(0.37%)		3.25%			\$3,329	\$44	\$0	(\$28,673)	\$1,092,485
Total	\$617						\$39,633	(\$465)	\$0	(\$110,128)	\$5,329,880

(1) For the months Mar-May 2013, number of days lag equals 8.88. Calculated using revenue lag of 42.59 days less cost lead of 33.71 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 20 of 23, DE 12-003 filed March 9, 2012.

For the months Jun 2013-Feb 2014, number of days lag equals (1.34). Calculated using revenue lag of 39.16 days less cost lead of 40.50 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 20 of 23, DE 13-079 filed April 5, 2013.

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

Schedule LSM-4
Page 4 of 5

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Total G1 Class Billed Default Service kWh (1)	Unbilled Factor (2)	G1 Class Unbilled kWh (a * b)	Effective Variable Power Supply Charge	G1 Class Unbilled Power Supply Charge Revenue (c * d)	Reversal of prior month unbilled	Total Billed G1 Class Power Supply Charge Revenue (1)	Total Revenue (e + f + g)
Mar-13	3,973,450	61.12%	2,428,457	\$0.13396	\$325,316	(\$193,182)	\$435,370	\$567,503
Apr-13	4,156,095	57.55%	2,391,769	\$0.06766	\$161,827	(\$325,316)	\$456,463	\$292,974
May-13	4,315,106	53.95%	2,327,962	\$0.05411	\$125,966	(\$161,827)	\$269,605	\$233,743
Jun-13	4,743,000	52.12%	2,472,196	\$0.05918	\$146,305	(\$125,966)	\$266,328	\$286,666
Jul-13	5,161,533	56.73%	2,928,093	\$0.05403	\$158,205	(\$146,305)	\$294,283	\$306,184
Aug-13	5,623,978	50.00%	2,811,989	\$0.08094	\$227,602	(\$158,205)	\$364,184	\$433,582
Sep-13	5,990,727	47.02%	2,816,956	\$0.05018	\$141,355	(\$227,602)	\$408,421	\$322,173
Oct-13	4,810,594	62.95%	3,028,135	\$0.06404	\$193,922	(\$141,355)	\$268,186	\$320,753
Nov-13	4,881,299	47.50%	2,318,540	\$0.05453	\$126,430	(\$193,922)	\$294,200	\$226,708
Dec-13	4,646,064	54.52%	2,532,940	\$0.05723	\$144,960	(\$126,430)	\$258,593	\$277,124
Jan-14	6,464,238	58.93%	3,809,247	\$0.12058	\$459,319	(\$144,960)	\$527,412	\$841,771
Feb-14	<u>7,209,769</u>	52.20%	3,763,649	\$0.16062	<u>\$604,517</u>	<u>(\$459,319)</u>	<u>\$983,298</u>	<u>\$1,128,497</u>
Total	61,975,853				\$2,815,724	(\$2,404,389)	\$4,826,343	\$5,237,678

(1) Per billing system

(2) Detail of Unbilled Factors for the Large General Class:

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Mar-13	26,240,491	16,037,422	61.12%
Apr-13	27,384,446	15,759,332	57.55%
May-13	28,119,718	15,170,343	53.95%
Jun-13	31,102,673	16,211,657	52.12%
Jul-13	31,603,635	17,928,467	56.73%
Aug-13	33,762,021	16,881,011	50.00%
Sep-13	33,009,593	15,521,752	47.02%
Oct-13	27,500,151	17,310,581	62.95%
Nov-13	28,649,347	13,607,986	47.50%
Dec-13	27,404,729	14,940,502	54.52%
Jan-14	27,753,940	16,354,846	58.93%
Feb-14	28,825,385	15,047,449	52.20%

000202

<i>Calculation of Working Capital</i>										
<i>Supplier Charges and GIS Support Payments</i>										
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Total G1 Class DS Supplier Charges (1)	GIS Support Payments	Number of Days of Lag / 365 (2)	Working Capital Requirement (3)	Prime Rate	Supply Related Working Capital (d * e)	Provision for Uncollected Accounts	Internal Company Administrative Costs	Legal Charges	Consulting Outside Service Charges	Total Costs (sum a + b + f + g + h + i + j)
Jun-14	\$42	(1.38%)	(\$5,056)	3.25%	(\$164)	\$0	\$3,329	\$0	\$0	\$3,206
Jul-14	\$45	(1.38%)	(\$4,988)	3.25%	(\$162)	\$0	\$3,329	\$0	\$0	\$3,211
Aug-14	\$40	(1.38%)	(\$4,412)	3.25%	(\$143)	\$0	\$3,329	\$0	\$0	\$3,225
Sep-14	\$46	(1.38%)	(\$4,206)	3.25%	(\$137)	\$0	\$3,329	\$0	\$0	\$3,238
Oct-14	\$40	(1.38%)	(\$3,609)	3.25%	(\$117)	\$0	\$3,329	\$0	\$0	\$3,251
Nov-14	\$39	(1.38%)	(\$4,953)	3.25%	(\$161)	\$0	\$3,329	\$0	\$0	\$3,206
Total	\$251				(\$885)	\$0	\$19,971	\$0	\$0	\$19,338

(1) DS Supplier Charges to be determined at the end of each month.

(2) Number of days lag equals (5.05). Calculated using revenue lag of 36.31 days less cost lead of 41.36 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 20 of 23, DE 14-061 filed April 4, 2014.

(3) The working capital requirement equals the supplier charge plus GIS Support payment times the number of days lag divided by 365. As the G1 class supplier charge is no longer determined using a contract price, estimates of the G1 class power supply costs were calculated based on the forecasted G1 class kWh purchases and an estimated price per kWh. The estimated price per kWh was determined by comparing a historical relationship between G1 and Non-G1 class supplier pricing and then applying that relationship to the current average Non-G1 supplier price per kWh. Actual working capital will be determined using the actual supplier charges in each month.

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

Schedule LSM-5
 Page 1 of 5

	<u>Jun-14</u> <u>Estimated</u>	<u>Jul-14</u> <u>Estimated</u>	<u>Aug-14</u> <u>Estimated</u>	<u>Sep-14</u> <u>Estimated</u>	<u>Oct-14</u> <u>Estimated</u>	<u>Nov-14</u> <u>Estimated</u>	<u>Total</u>
1 Reconciliation (1)	(\$17,260)	(\$18,346)	(\$16,468)	(\$18,805)	(\$16,374)	(\$15,876)	(\$103,129)
2 Total Costs (Page 5)	\$18,220	\$19,366	\$17,384	\$19,851	\$17,284	\$16,758	\$108,863
3 Reconciliation plus Total Costs (L.1 + L.2)	\$960	\$1,020	\$916	\$1,046	\$910	\$883	\$5,734
4 kWh Purchases	4,830,892	5,134,928	4,609,343	5,263,416	4,582,959	4,443,446	28,864,983
5 Total, Before Losses (L.3 / L.4)	\$0.00020	\$0.00020	\$0.00020	\$0.00020	\$0.00020	\$0.00020	
6 Losses	4.591%	4.591%	4.591%	4.591%	4.591%	4.591%	
7 Total Retail Rate - Variable RPS Charge (L.5 * (1+L.6))	\$0.00021	\$0.00021	\$0.00021	\$0.00021	\$0.00021	\$0.00021	

(1) Balance as of February 28, 2014 modified, as detailed below, to reflect that current rates (through May 31, 2014) include a charge for the undercollection as of February 28, 2013 and to reflect accruals for RPS. Figure is then allocated between rate periods (June-November 2014 and December 2014-May 2015) and then to each month, June through November 2014, on equal per kWh basis.

a February 28, 2014 actual balance - Schedule LSM-5, Page 2		(\$362,798)
b less: Estimated remaining prior period reconciliation - Mar, Apr, May 2014		
c Estimated kWh Sales Mar-May 2014	12,981,600	
d Amount of reconciliation in current rate	\$0.00105	
e Estimated amount of reconciliation - Mar-May 2014	\$13,631	
f plus: G1 Class RPS amounts included in rate filings, Mar 2013-Feb 2014	\$227,649	
g less: G1 Class RPS amounts, CY 2013 requirement, purchased	\$53,117	
h Net G1 Class RPS amounts included in rate filings, Mar 2013-Feb 2014	\$174,532	
i Total reconciliation for June 1, 2014-May 31, 2015 (line a - Line e + line h)		(\$201,897)
j kWh purchases forecast June-November 2014	28,864,983	51.08%
k kWh purchases forecast December 2014-May 2015	27,640,219	48.92%
l Total	56,505,202	
m Reconciliation amount for June-November 2014	(line i * line j%)	(\$103,129)
n Reconciliation amount for December 2014-May 2015	(line i * line k%)	(\$98,768)
o Total	(line m + line n)	(\$201,897)

000205

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

Schedule LSM-5
 Page 2 of 5

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Beginning Balance	Total Costs (Page 3)	Total Revenue (Page 4)	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Mar-13	(\$187,012)	\$0	\$13,095	(\$200,107)	(\$193,560)	3.25%	31	(\$534)	(\$200,641)
Apr-13	(\$200,641)	\$33,901	\$12,605	(\$179,346)	(\$189,994)	3.25%	30	(\$508)	(\$179,854)
May-13	(\$179,854)	\$18,172	\$13,009	(\$174,690)	(\$177,272)	3.25%	31	(\$489)	(\$175,179)
Jun-13	(\$175,179)	\$2,542	\$18,899	(\$191,537)	(\$183,358)	3.25%	30	(\$490)	(\$192,026)
Jul-13	(\$192,026)	\$1,212	\$22,245	(\$213,059)	(\$202,543)	3.25%	31	(\$559)	(\$213,618)
Aug-13	(\$213,618)	\$4,780	\$21,811	(\$230,649)	(\$222,134)	3.25%	31	(\$613)	(\$231,262)
Sep-13	(\$231,262)	\$0	\$23,743	(\$255,005)	(\$243,134)	3.25%	30	(\$649)	(\$255,655)
Oct-13	(\$255,655)	\$1,165	\$19,886	(\$274,376)	(\$265,015)	3.25%	31	(\$732)	(\$275,107)
Nov-13	(\$275,107)	\$18	\$16,520	(\$291,609)	(\$283,358)	3.25%	30	(\$757)	(\$292,366)
Dec-13	(\$292,366)	\$2,398	\$20,052	(\$310,020)	(\$301,193)	3.25%	31	(\$831)	(\$310,851)
Jan-14	(\$310,851)	\$3,021	\$46,953	(\$354,784)	(\$332,818)	3.25%	31	(\$919)	(\$355,703)
Feb-14	(\$355,703)	<u>\$39,231</u>	<u>\$46,289</u>	(\$362,761)	(\$359,232)	3.25%	28	<u>(\$37)(1)</u>	(\$362,798)
Total		\$106,441	\$275,108					(\$7,118)	

(1) Includes \$858.22 to adjust interest for reclass of RSP costs between NonG1 and G1 class related to ACP payment made in June 2013.

	(a)	Calculation of Working Capital			(f)	
		(b)	(c)	(d)		(e)
	Renewable Energy Credits	Number of Days of Lag / 365 (2)	Working Capital Requirement (a*b)	Prime Rate	Supply Related Working Capital (c * d)	Total Costs (sum a + e)
Mar-13	\$0	(74.28%)	\$0	3.25%	\$0	\$0
Apr-13	\$34,740	(74.28%)	(\$25,803)	3.25%	(\$839)	\$33,901
May-13	\$18,622	(74.28%)	(\$13,832)	3.25%	(\$450)	\$18,172
Jun-13	\$2,605	(74.81%)	(\$1,949)	3.25%	(\$63)	\$2,542
Jul-13	\$1,242	(74.81%)	(\$929)	3.25%	(\$30)	\$1,212
Aug-13	\$4,899	(74.81%)	(\$3,665)	3.25%	(\$119)	\$4,780
Sep-13	\$0	(74.81%)	\$0	3.25%	\$0	\$0
Oct-13	\$1,194	(74.81%)	(\$893)	3.25%	(\$29)	\$1,165
Nov-13	\$19	(74.81%)	(\$14)	3.25%	(\$0)	\$18
Dec-13	\$2,458	(74.81%)	(\$1,839)	3.25%	(\$60)	\$2,398
Jan-14	\$3,096	(74.81%)	(\$2,316)	3.25%	(\$75)	\$3,021
Feb-14	<u>\$40,209 (1)</u>	(74.81%)	(\$30,081)	3.25%	<u>(\$978)</u>	<u>\$39,231</u>
Total	\$109,084				(\$2,643)	\$106,441

(1) Includes \$40,053.50 to reclass of RSP costs between NonG1 and G1 class related to ACP payment made in June 2013.

(2) For the months Mar-May 2013, number of days lag equals (271.11). Calculated using revenue lag of 42.59 days less cost lead of 313.70 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 20 of 23, DE 12-003 filed March 9, 2012.

For the months Jun 2013-Feb 2014, number of days lag equals (273.07). Calculated using revenue lag of 39.16 days less cost lead of 312.23 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 20 of 23, DE 13-079 filed April 5, 2013.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Total G1 Class Billed Default Service kWh (1)	Unbilled Factor (2)	G1 Class Unbilled kWh (a * b)	Effective Variable RPS Charge	G1 Class Unbilled RPS Charge Revenue (c * d)	Reversal of prior month unbilled	Total Billed G1 Class RPS Charge Revenue (1)	Total Revenue (e + f + g)
Mar-13	3,973,450	61.12%	2,428,457	\$0.00306	\$7,431	(\$6,495)	\$12,159	\$13,095
Apr-13	4,156,095	57.55%	2,391,769	\$0.00306	\$7,319	(\$7,431)	\$12,718	\$12,605
May-13	4,315,106	53.95%	2,327,962	\$0.00306	\$7,124	(\$7,319)	\$13,204	\$13,009
Jun-13	4,743,000	52.12%	2,472,196	\$0.00396	\$9,790	(\$7,124)	\$16,233	\$18,899
Jul-13	5,161,533	56.73%	2,928,093	\$0.00396	\$11,595	(\$9,790)	\$20,440	\$22,245
Aug-13	5,623,978	50.00%	2,811,989	\$0.00396	\$11,135	(\$11,595)	\$22,271	\$21,811
Sep-13	5,990,727	47.02%	2,816,956	\$0.00396	\$11,155	(\$11,135)	\$23,723	\$23,743
Oct-13	4,810,594	62.95%	3,028,135	\$0.00396	\$11,991	(\$11,155)	\$19,050	\$19,886
Nov-13	4,881,299	47.50%	2,318,540	\$0.00396	\$9,181	(\$11,991)	\$19,330	\$16,520
Dec-13	4,646,064	54.52%	2,532,940	\$0.00414	\$10,486	(\$9,181)	\$18,747	\$20,052
Jan-14	6,464,238	58.93%	3,809,247	\$0.00651	\$24,798	(\$10,486)	\$32,641	\$46,953
Feb-14	<u>7,209,769</u>	52.20%	3,763,649	\$0.00651	<u>\$24,501</u>	<u>(\$24,798)</u>	\$46,586	<u>\$46,289</u>
Total	61,975,853				\$146,508	(\$128,501)		\$275,108

(1) Per billing system

(2) Detail of Unbilled Factors for the Large General Class:

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Mar-13	26,240,491	16,037,422	61.12%
Apr-13	27,384,446	15,759,332	57.55%
May-13	28,119,718	15,170,343	53.95%
Jun-13	31,102,673	16,211,657	52.12%
Jul-13	31,603,635	17,928,467	56.73%
Aug-13	33,762,021	16,881,011	50.00%
Sep-13	33,009,593	15,521,752	47.02%
Oct-13	27,500,151	17,310,581	62.95%
Nov-13	28,649,347	13,607,986	47.50%
Dec-13	27,404,729	14,940,502	54.52%
Jan-14	27,753,940	16,354,846	58.93%
Feb-14	28,825,385	15,047,449	52.20%

000208

	<i>Calculation of Working Capital</i>					
(a)	(b)	(c)	(d)	(e)	(f)	
Renewable Energy Credits (1)	Number of Days of Lag / 365 (2)	Working Capital Requirement (a*b)	Prime Rate	Supply Related Working Capital (c * d)	Total Costs (sum a + e)	
Jun-14	\$18,776	(91.18%)	(\$17,120)	3.25%	(\$556)	\$18,220
Jul-14	\$19,958	(91.18%)	(\$18,197)	3.25%	(\$591)	\$19,366
Aug-14	\$17,915	(91.18%)	(\$16,334)	3.25%	(\$531)	\$17,384
Sep-14	\$20,457	(91.18%)	(\$18,652)	3.25%	(\$606)	\$19,851
Oct-14	\$17,812	(91.18%)	(\$16,241)	3.25%	(\$528)	\$17,284
Nov-14	<u>\$17,270</u>	(91.18%)	(\$15,747)	3.25%	<u>(\$512)</u>	<u>\$16,758</u>
Total	\$112,188				(\$3,324)	\$108,863

(1) Schedule TMB-4.

(2) Number of days lag equals (332.80). Calculated using revenue lag of 36.31 days less cost lead of 369.11 days. Revenue lag per Schedule KG-1, Page 4 of 23 and cost lead per Schedule KG-1, Page 20 of 23, DE 14-061 filed April 4, 2014.

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

Residential Rate D 670 kWh Bill

	4/1/2014	6/1/2014					%
Rate Components	Current Rate	As Revised	Difference	Current Bill*	As Revised Bill*	Difference	Difference to Total Bill
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.03239	\$0.03239	\$0.00000	\$8.10	\$8.10	\$0.00	0.0%
Excess 250 kWh	\$0.03739	\$0.03739	\$0.00000	\$15.70	\$15.70	\$0.00	0.0%
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000	\$13.44	\$13.44	\$0.00	0.0%
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000	\$0.18	\$0.18	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$1.48	\$1.48	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$2.21	\$2.21	\$0.00	0.0%
Default Service Charge	<u>\$0.09556</u>	<u>\$0.08413</u>	<u>(\$0.01143)</u>	<u>\$64.03</u>	<u>\$56.37</u>	<u>(\$7.66)</u>	<u>(6.6%)</u>
First 250 kWh	\$0.15379	\$0.14236	(\$0.01143)				
Excess 250 kWh	\$0.15879	\$0.14736	(\$0.01143)				
Total Bill				\$115.41	\$107.75	(\$7.66)	(6.6%)

Regular General G2 Demand, 11 kW, 2,800 kWh Typical Bill

	4/1/2014	6/1/2014					%
Rate Components	Current Rate	As Revised	Difference	Current Bill*	As Revised Bill*	Difference	Difference to Total Bill
Customer Charge	\$17.85	\$17.85	\$0.00	\$17.85	\$17.85	\$0.00	0.0%
	<u>All kW</u>	<u>All kW</u>					
Distribution Charge	\$10.00	\$10.00	\$0.00	\$110.00	\$110.00	\$0.00	0.0%
Stranded Cost Charge	<u>\$0.06</u>	<u>\$0.06</u>	<u>\$0.00</u>	<u>\$0.66</u>	<u>\$0.66</u>	<u>\$0.00</u>	<u>0.0%</u>
Total	\$10.06	\$10.06	\$0.00	\$110.66	\$110.66	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000	\$56.17	\$56.17	\$0.00	0.0%
Stranded Cost Charge	\$0.00006	\$0.00006	\$0.00000	\$0.17	\$0.17	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$6.19	\$6.19	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$9.24	\$9.24	\$0.00	0.0%
Default Service Charge	<u>\$0.09016</u>	<u>\$0.07957</u>	<u>(\$0.01059)</u>	<u>\$252.45</u>	<u>\$222.80</u>	<u>(\$29.65)</u>	<u>(6.5%)</u>
Total	\$0.11579	\$0.10520	(\$0.01059)	\$324.21	\$294.56	(\$29.65)	(6.5%)
Total Bill				\$452.72	\$423.07	(\$29.65)	(6.5%)

* Comparison isolates the impact of changes to the Default Service Rate only. Impacts do not include the Electricity Consumption Tax.

000211

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

<u>Regular General G2 Quick Recovery Water Heating and Space Heating 1,620 kWh Typical Bill</u>							
Rate Components	4/1/2014	6/1/2014	Difference	Current Bill*	As Revised Bill*	Difference	%
	Current Rate	As Revised					Difference to Total Bill
Customer Charge	\$6.06	\$6.06	\$0.00	\$6.06	\$6.06	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.02980	\$0.02980	\$0.00000	\$48.28	\$48.28	\$0.00	0.0%
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000	\$32.50	\$32.50	\$0.00	0.0%
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000	\$0.44	\$0.44	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$3.58	\$3.58	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$5.35	\$5.35	\$0.00	0.0%
Default Service Charge	<u>\$0.09016</u>	<u>\$0.07957</u>	<u>(\$0.01059)</u>	<u>\$146.06</u>	<u>\$128.90</u>	<u>(\$17.16)</u>	<u>(7.1%)</u>
Total	\$0.14580	\$0.13521	(\$0.01059)	\$236.20	\$219.04	(\$17.16)	(7.1%)
Total Bill				\$242.26	\$225.10	(\$17.16)	(7.1%)

<u>Regular General G2 kWh Meter 125 kWh Typical Bill</u>							
Rate Components	4/1/2014	6/1/2014	Difference	Current Bill*	As Revised Bill*	Difference	%
	Current Rate	As Revised					Difference to Total Bill
Customer Charge	\$13.52	\$13.52	\$0.00	\$13.52	\$13.52	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.03114	\$0.03114	\$0.00000	\$3.89	\$3.89	\$0.00	0.0%
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000	\$2.51	\$2.51	\$0.00	0.0%
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000	\$0.03	\$0.03	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$0.28	\$0.28	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$0.41	\$0.41	\$0.00	0.0%
Default Service Charge	<u>\$0.09016</u>	<u>\$0.07957</u>	<u>(\$0.01059)</u>	<u>\$11.27</u>	<u>\$9.95</u>	<u>(\$1.32)</u>	<u>(4.1%)</u>
Total	\$0.14714	\$0.13655	(\$0.01059)	\$18.39	\$17.07	(\$1.32)	(4.1%)
Total Bill				\$31.91	\$30.59	(\$1.32)	(4.1%)

* Comparison isolates the impact of changes to the Default Service Rate only. Impacts do not include the Electricity Consumption Tax.

Unitil Energy Systems, Inc.
Typical Bill Impacts for Residential Rate Class based on Mean and Median Usage

Residential Rate D 670 kWh Bill - Mean Use*

	4/1/2014	6/1/2014					%
Rate Components	Current Rate	As Revised	Difference	Current Bill**	As Revised Bill**	Difference	Difference to Total Bill
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.03239	\$0.03239	\$0.00000	\$8.10	\$8.10	\$0.00	0.0%
Excess 250 kWh	\$0.03739	\$0.03739	\$0.00000	\$15.70	\$15.70	\$0.00	0.0%
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000	\$13.44	\$13.44	\$0.00	0.0%
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000	\$0.18	\$0.18	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$1.48	\$1.48	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$2.21	\$2.21	\$0.00	0.0%
Default Service Charge	<u>\$0.09556</u>	<u>\$0.08413</u>	<u>(\$0.01143)</u>	<u>\$64.03</u>	<u>\$56.37</u>	<u>(\$7.66)</u>	<u>(6.6%)</u>
First 250 kWh	\$0.15379	\$0.14236	(\$0.01143)				
Excess 250 kWh	\$0.15879	\$0.14736	(\$0.01143)				
Total Bill				\$115.41	\$107.75	(\$7.66)	(6.6%)

Residential Rate D 553 kWh Bill - Median Use*

	4/1/2014	6/1/2014					%
Rate Components	Current Rate	As Revised	Difference	Current Bill**	As Revised Bill**	Difference	Difference to Total Bill
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.03239	\$0.03239	\$0.00000	\$8.10	\$8.10	\$0.00	0.0%
Excess 250 kWh	\$0.03739	\$0.03739	\$0.00000	\$11.33	\$11.33	\$0.00	0.0%
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000	\$11.09	\$11.09	\$0.00	0.0%
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000	\$0.15	\$0.15	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$1.22	\$1.22	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$1.82	\$1.82	\$0.00	0.0%
Default Service Charge	<u>\$0.09556</u>	<u>\$0.08413</u>	<u>(\$0.01143)</u>	<u>\$52.84</u>	<u>\$46.52</u>	<u>(\$6.32)</u>	<u>(6.5%)</u>
First 250 kWh	\$0.15379	\$0.14236	(\$0.01143)				
Excess 250 kWh	\$0.15879	\$0.14736	(\$0.01143)				
Total Bill				\$96.83	\$90.51	(\$6.32)	(6.5%)

* Based on billing period April 2013 through March 2014.

** Comparison isolates the impact of changes to the Default Service Rate only. Impacts do not include the Electricity Consumption Tax.

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Unitil Energy Systems, Inc.
Average Class Bill Impacts
Due to Proposed Default Service Rate Changes Effective June 1, 2014 *

(A) <u>Class of Service</u>	(B) Annual Number of Customers (luminaires for Outdoor Lighting)	(C) Annual kWh Sales	(D) Annual kW / kVA Sales	(E) Proposed DSC Change \$	(F) Estimated Annual Revenue \$ Under Present Rates	(G) Estimated Annual Revenue \$ Under Proposed Rates	(H) Proposed Net Change Revenue \$	(I) % Change DSC Revenue
Residential	763,694	480,638,599	n/a	(\$5,493,699)	\$83,299,696	\$77,805,997	(\$5,493,699)	(6.6%)
General Service	129,249	340,275,469	1,301,458	(\$3,603,517)	\$54,916,834	\$51,313,317	(\$3,603,517)	(6.6%)
Outdoor Lighting	115,819	8,988,739	n/a	(\$95,191)	\$2,728,606	\$2,633,415	(\$95,191)	(3.5%)
Total	1,008,762	829,902,807		(\$9,192,407)	\$140,945,135	\$131,752,728	(\$9,192,407)	(6.5%)

(B), (C), (D) Test year billing determinants in DE 10-055.

(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)

* Comparison isolates the impact of changes to the Default Service Rate only.

Unitil Energy Systems, Inc. Typical Bill Impacts - April 1, 2014 versus June 1, 2014* Impacts do NOT include the Electricity Consumption Tax Impact on D Rate Customers				
Average kWh	Total Bill Using Rates 4/1/2014	Total Bill Using Rates 6/1/2014	Total Difference	% Total Difference
125	\$29.49	\$28.07	(\$1.43)	(4.8%)
250	\$48.72	\$45.86	(\$2.86)	(5.9%)
500	\$88.42	\$82.70	(\$5.72)	(6.5%)
600	\$104.29	\$97.44	(\$6.86)	(6.6%)
750	\$128.11	\$119.54	(\$8.57)	(6.7%)
1,000	\$167.81	\$156.38	(\$11.43)	(6.8%)
1,250	\$207.51	\$193.22	(\$14.29)	(6.9%)
1,500	\$247.21	\$230.06	(\$17.15)	(6.9%)
2,000	\$326.60	\$303.74	(\$22.86)	(7.0%)
3,500	\$564.79	\$524.78	(\$40.01)	(7.1%)
5,000	\$802.97	\$745.82	(\$57.15)	(7.1%)

	Rates - Effective April 1, 2014	Rates - Proposed June 1, 2014	Difference
Customer Charge	\$10.27	\$10.27	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge: First 250 kWh	\$0.03239	\$0.03239	\$0.00000
Excess 250 kWh	\$0.03739	\$0.03739	\$0.00000
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000
Storm Recovery Adjustment Factor	\$0.00221	\$0.00221	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	<u>\$0.09556</u>	<u>\$0.08413</u>	<u>(\$0.01143)</u>
TOTAL First 250 kWh	\$0.15379	\$0.14236	(\$0.01143)
Excess 250 kWh	\$0.15879	\$0.14736	(\$0.01143)

* Comparison isolates the impact of changes to the Default Service Rate only.

Unitil Energy Systems, Inc. Typical Bill Impacts - April 1, 2014 versus June 1, 2014* Impacts do NOT include the Electricity Consumption Tax Impact on G2 Rate Customers						
Load Factor	Average Monthly kW	Average Monthly kWh	Total Bill Using Rates 4/1/2014	Total Bill Using Rates 6/1/2014	Total Difference	% Total Difference
20%	5	730	\$152.68	\$144.95	(\$7.73)	(5.1%)
20%	10	1,460	\$287.50	\$272.04	(\$15.46)	(5.4%)
20%	15	2,190	\$422.33	\$399.14	(\$23.19)	(5.5%)
20%	25	3,650	\$691.98	\$653.33	(\$38.65)	(5.6%)
20%	50	7,300	\$1,366.12	\$1,288.81	(\$77.31)	(5.7%)
20%	75	10,950	\$2,040.25	\$1,924.29	(\$115.96)	(5.7%)
20%	100	14,600	\$2,714.38	\$2,559.77	(\$154.61)	(5.7%)
20%	150	21,900	\$4,062.65	\$3,830.73	(\$231.92)	(5.7%)
36%	5	1,314	\$220.30	\$206.38	(\$13.92)	(6.3%)
36%	10	2,628	\$422.75	\$394.92	(\$27.83)	(6.6%)
36%	15	3,942	\$625.19	\$583.45	(\$41.75)	(6.7%)
36%	25	6,570	\$1,030.09	\$960.51	(\$69.58)	(6.8%)
36%	50	13,140	\$2,042.33	\$1,903.18	(\$139.15)	(6.8%)
36%	75	19,710	\$3,054.57	\$2,845.84	(\$208.73)	(6.8%)
36%	100	26,280	\$4,066.81	\$3,788.51	(\$278.31)	(6.8%)
36%	150	39,420	\$6,091.29	\$5,673.83	(\$417.46)	(6.9%)
50%	5	1,825	\$279.47	\$260.14	(\$19.33)	(6.9%)
50%	10	3,650	\$541.08	\$502.43	(\$38.65)	(7.1%)
50%	15	5,475	\$802.70	\$744.72	(\$57.98)	(7.2%)
50%	25	9,125	\$1,325.93	\$1,229.30	(\$96.63)	(7.3%)
50%	50	18,250	\$2,634.02	\$2,440.75	(\$193.27)	(7.3%)
50%	75	27,375	\$3,942.10	\$3,652.20	(\$289.90)	(7.4%)
50%	100	36,500	\$5,250.19	\$4,863.65	(\$386.54)	(7.4%)
50%	150	54,750	\$7,866.35	\$7,286.55	(\$579.80)	(7.4%)
	Rates - Effective April 1, 2014	Rates - Proposed June 1, 2014	Difference			
Customer Charge	\$17.85	\$17.85	\$0.00			
	<u>All kW</u>	<u>All kW</u>	<u>All kW</u>			
Distribution Charge	\$10.00	\$10.00	\$0.00			
Stranded Cost Charge	\$0.06	\$0.06	\$0.00			
TOTAL	\$10.06	\$10.06	\$0.00			
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>			
Distribution Charge	\$0.00000	\$0.00000	\$0.00000			
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000			
Stranded Cost Charge	\$0.00006	\$0.00006	\$0.00000			
Storm Recovery Adj. Factor	\$0.00221	\$0.00221	\$0.00000			
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000			
Default Service Charge	<u>\$0.09016</u>	<u>\$0.07957</u>	<u>(\$0.01059)</u>			
TOTAL	\$0.11579	\$0.10520	(\$0.01059)			

* Comparison isolates the impact of changes to the Default Service Rate only.

Unitil Energy Systems, Inc. Typical Bill Impacts - April 1, 2014 versus June 1, 2014* Impacts do NOT include the Electricity Consumption Tax Impact on G2 kWh Meter Rate Customers				
Average Monthly kWh	Total Bill Using Rates 4/1/2014	Total Bill Using Rates 6/1/2014	Total Difference	% Total Difference
15	\$15.73	\$15.57	(\$0.16)	(1.0%)
75	\$24.56	\$23.76	(\$0.79)	(3.2%)
150	\$35.59	\$34.00	(\$1.59)	(4.5%)
250	\$50.31	\$47.66	(\$2.65)	(5.3%)
350	\$65.02	\$61.31	(\$3.71)	(5.7%)
450	\$79.73	\$74.97	(\$4.77)	(6.0%)
550	\$94.45	\$88.62	(\$5.82)	(6.2%)
650	\$109.16	\$102.28	(\$6.88)	(6.3%)
750	\$123.88	\$115.93	(\$7.94)	(6.4%)
900	\$145.95	\$136.42	(\$9.53)	(6.5%)
	Rates - Effective April 1, 2014	Rates - Proposed June 1, 2014	Difference	
kWh Meter Customer Charge	\$13.52	\$13.52	\$0.00	
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>	
Distribution Charge	\$0.03114	\$0.03114	\$0.00000	
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000	
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000	
Storm Recovery Adjustment Factor	\$0.00221	\$0.00221	\$0.00000	
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	
Default Service Charge	<u>\$0.09016</u>	<u>\$0.07957</u>	<u>(\$0.01059)</u>	
TOTAL	\$0.14714	\$0.13655	(\$0.01059)	
* Comparison isolates the impact of changes to the Default Service Rate only.				

Unitil Energy Systems, Inc. Typical Bill Impacts - April 1, 2014 versus June 1, 2014* Impacts do NOT include the Electricity Consumption Tax Impact on G2 QRWH and SH Rate Customers				
Average kWh	Total Bill Using Rates 4/1/2014	Total Bill Using Rates 6/1/2014	Total Difference	% Total Difference
100	\$20.64	\$19.58	(\$1.06)	(5.1%)
200	\$35.22	\$33.10	(\$2.12)	(6.0%)
300	\$49.80	\$46.62	(\$3.18)	(6.4%)
400	\$64.38	\$60.14	(\$4.24)	(6.6%)
500	\$78.96	\$73.67	(\$5.29)	(6.7%)
750	\$115.41	\$107.47	(\$7.94)	(6.9%)
1,000	\$151.86	\$141.27	(\$10.59)	(7.0%)
1,500	\$224.76	\$208.88	(\$15.89)	(7.1%)
2,000	\$297.66	\$276.48	(\$21.18)	(7.1%)
2,500	\$370.56	\$344.09	(\$26.48)	(7.1%)
	Rates - Effective April 1, 2014	Rates - Proposed June 1, 2014	Difference	
Customer Charge	\$6.06	\$6.06	\$0.00	
	All kWh	All kWh	All kWh	
Distribution Charge	\$0.02980	\$0.02980	\$0.00000	
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000	
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000	
Storm Recovery Adjustment Factor	\$0.00221	\$0.00221	\$0.00000	
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	
Default Service Charge	\$0.09016	\$0.07957	(\$0.01059)	
TOTAL	\$0.14580	\$0.13521	(\$0.01059)	
* Comparison isolates the impact of changes to the Default Service Rate only.				

Unitil Energy Systems, Inc.								
Typical Bill Impacts - April 1, 2014 versus June 1, 2014*								
Impacts do NOT include the Electricity Consumption Tax								
Impact on OL Rate Customers **								
	Nominal Watts	Lumens	Type	Average Monthly kWh	Total Bill Using Rates 4/1/2014	Total Bill Using Rates 6/1/2014	Total Difference	% Total Difference
<u>Mercury Vapor:</u>								
1	100	3,500	ST	40	\$15.58	\$15.16	(\$0.42)	(2.7%)
2	175	7,000	ST	67	\$21.01	\$20.30	(\$0.71)	(3.4%)
3	250	11,000	ST	95	\$26.22	\$25.21	(\$1.01)	(3.8%)
4	400	20,000	ST	154	\$36.23	\$34.60	(\$1.63)	(4.5%)
5	1,000	60,000	ST	388	\$82.89	\$78.78	(\$4.11)	(5.0%)
6	250	11,000	FL	95	\$27.30	\$26.29	(\$1.01)	(3.7%)
7	400	20,000	FL	154	\$37.63	\$36.00	(\$1.63)	(4.3%)
8	1,000	60,000	FL	388	\$78.70	\$74.59	(\$4.11)	(5.2%)
9	100	3,500	PB	40	\$15.70	\$15.28	(\$0.42)	(2.7%)
10	175	7,000	PB	67	\$20.19	\$19.48	(\$0.71)	(3.5%)
<u>High Pressure Sodium:</u>								
11	50	4,000	ST	21	\$13.60	\$13.37	(\$0.22)	(1.6%)
12	100	9,500	ST	43	\$17.73	\$17.27	(\$0.46)	(2.6%)
13	150	16,000	ST	60	\$19.76	\$19.12	(\$0.64)	(3.2%)
14	250	30,000	ST	101	\$28.12	\$27.05	(\$1.07)	(3.8%)
15	400	50,000	ST	161	\$39.72	\$38.01	(\$1.70)	(4.3%)
16	1,000	140,000	ST	398	\$83.56	\$79.34	(\$4.21)	(5.0%)
17	150	16,000	FL	60	\$21.93	\$21.29	(\$0.64)	(2.9%)
18	250	30,000	FL	101	\$29.64	\$28.57	(\$1.07)	(3.6%)
19	400	50,000	FL	161	\$39.22	\$37.51	(\$1.70)	(4.3%)
20	1,000	140,000	FL	398	\$83.89	\$79.67	(\$4.21)	(5.0%)
21	50	4,000	PB	21	\$12.66	\$12.43	(\$0.22)	(1.8%)
22	100	9,500	PB	43	\$16.64	\$16.18	(\$0.46)	(2.7%)
<u>Metal Halide:</u>								
23	175	8,800	ST	66	\$24.78	\$24.08	(\$0.70)	(2.8%)
24	250	13,500	ST	92	\$29.41	\$28.44	(\$0.97)	(3.3%)
25	400	23,500	ST	148	\$36.65	\$35.08	(\$1.57)	(4.3%)
26	175	8,800	FL	66	\$27.65	\$26.95	(\$0.70)	(2.5%)
27	250	13,500	FL	92	\$32.37	\$31.40	(\$0.97)	(3.0%)
28	400	23,500	FL	148	\$38.92	\$37.35	(\$1.57)	(4.0%)
29	175	8,800	PB	66	\$23.59	\$22.89	(\$0.70)	(3.0%)
30	250	13,500	PB	92	\$27.69	\$26.72	(\$0.97)	(3.5%)
31	400	23,500	PB	148	\$35.46	\$33.89	(\$1.57)	(4.4%)
Luminaire Charges For Year Round Service:								
Rates - Effective April 1, 2014								
		Mercury Vapor Rate/Mo.		Sodium Vapor Rate/Mo.		Metal Halide Rate/Mo.		
Customer Charge	\$0.00	1	\$10.94	11	\$11.16	23	\$17.12	
		2	\$13.24	12	\$12.74	24	\$18.74	
	<u>All kWh</u>	3	\$15.20	13	\$12.80	25	\$19.48	
Distribution Charge	\$0.00000	4	\$18.37	14	\$16.40	26	\$19.99	
External Delivery Charge	\$0.02006	5	\$37.88	15	\$21.04	27	\$21.70	
Stranded Cost Charge	\$0.00027	6	\$16.28	16	\$37.39	28	\$21.75	
Storm Recovery Adj. Factor	\$0.00221	7	\$19.77	17	\$14.97	29	\$15.93	
System Benefits Charge	\$0.00330	8	\$33.69	18	\$17.92	30	\$17.02	
Default Service Charge	<u>\$0.09016</u>	9	\$11.06	19	\$20.54	31	\$18.29	
TOTAL	\$0.11600	10	\$12.42	20	\$37.72			
				21	\$10.22			
				22	\$11.65			
Rates - Proposed June 1, 2014								
		Mercury Vapor Rate/Mo.		Sodium Vapor Rate/Mo.		Metal Halide Rate/Mo.		
Customer Charge	\$0.00	1	\$10.94	11	\$11.16	23	\$17.12	
		2	\$13.24	12	\$12.74	24	\$18.74	
	<u>All kWh</u>	3	\$15.20	13	\$12.80	25	\$19.48	
Distribution Charge	\$0.00000	4	\$18.37	14	\$16.40	26	\$19.99	
External Delivery Charge	\$0.02006	5	\$37.88	15	\$21.04	27	\$21.70	
Stranded Cost Charge	\$0.00027	6	\$16.28	16	\$37.39	28	\$21.75	
Storm Recovery Adj. Factor	\$0.00221	7	\$19.77	17	\$14.97	29	\$15.93	
System Benefits Charge	\$0.00330	8	\$33.69	18	\$17.92	30	\$17.02	
Default Service Charge	<u>\$0.07957</u>	9	\$11.06	19	\$20.54	31	\$18.29	
TOTAL	\$0.10541	10	\$12.42	20	\$37.72			
				21	\$10.22			
				22	\$11.65			
	Difference	Mercury Vapor-Difference		Sodium Vapor-Difference		Metal Halide-Difference		
Customer Charge	\$0.00	1	\$0.00	11	\$0.00	23	\$0.00	
		2	\$0.00	12	\$0.00	24	\$0.00	
	<u>All kWh</u>	3	\$0.00	13	\$0.00	25	\$0.00	
Distribution Charge	\$0.00000	4	\$0.00	14	\$0.00	26	\$0.00	
External Delivery Charge	\$0.00000	5	\$0.00	15	\$0.00	27	\$0.00	
Stranded Cost Charge	\$0.00000	6	\$0.00	16	\$0.00	28	\$0.00	
Storm Recovery Adj. Factor	\$0.00000	7	\$0.00	17	\$0.00	29	\$0.00	
System Benefits Charge	\$0.00000	8	\$0.00	18	\$0.00	30	\$0.00	
Default Service Charge	<u>(\$0.01059)</u>	9	\$0.00	19	\$0.00	31	\$0.00	
TOTAL	(\$0.01059)	10	\$0.00	20	\$0.00			
				21	\$0.00			
				22	\$0.00			
* Comparison isolates the impact of changes to the Default Service Rate only.								
* Luminaire charges based on All-Night Service option.								

