

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

(R)

CALCULATION OF THE DEFAULT SERVICE CHARGE

Non-G1 Class Default Services	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	Total
Power Supply Charge							
1 Reconciliation	(\$16,806)	(\$19,941)	(\$21,368)	(\$18,607)	(\$18,308)	(\$16,294)	(\$111,325)
2 Total Costs	<u>\$4,135,671</u>	<u>\$5,219,851</u>	<u>\$6,188,046</u>	<u>\$5,438,446</u>	<u>\$4,801,061</u>	<u>\$4,202,547</u>	<u>\$29,987,422</u>
3 Reconciliation plus Total Costs (L.1 + L.2)	\$4,118,865	\$5,199,910	\$6,167,578	\$5,419,839	\$4,783,653	\$4,186,253	\$29,876,098
4 kWh Purchases	<u>62,425,714</u>	<u>74,085,957</u>	<u>79,386,877</u>	<u>69,129,750</u>	<u>68,017,584</u>	<u>60,536,337</u>	<u>413,592,219</u>
5 Total, Before Losses (L.3 / L.4)	\$0.06597	\$0.07019	\$0.07769	\$0.07840	\$0.07033	\$0.06915	\$0.07324
6 Losses	<u>6.40%</u>						
7 Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6))	\$0.07019	\$0.07468	\$0.08266	\$0.08342	\$0.07483	\$0.07358	
8 Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6))							\$0.07686
Renewable Portfolio Standard (RPS) Charge							
9 Reconciliation	\$1,619	\$1,921	\$2,059	\$1,793	\$1,764	\$1,570	\$10,726
10 Total Costs	<u>\$105,316</u>	<u>\$124,965</u>	<u>\$168,018</u>	<u>\$146,312</u>	<u>\$143,959</u>	<u>\$128,126</u>	<u>\$816,696</u>
11 Reconciliation plus Total Costs (L.9 + L.10)	\$106,935	\$126,886	\$170,077	\$148,105	\$145,723	\$129,696	\$827,422
12 kWh Purchases	<u>62,425,714</u>	<u>74,085,957</u>	<u>79,386,877</u>	<u>69,129,750</u>	<u>68,017,584</u>	<u>60,536,337</u>	<u>413,592,219</u>
13 Total, Before Losses (L.11 / L.12)	\$0.00171	\$0.00171	\$0.00214	\$0.00214	\$0.00214	\$0.00214	\$0.00200
14 Losses	<u>6.40%</u>						
15 Total Retail Rate - Variable RPS Charge (L.13 * (1+L.14))	\$0.00182	\$0.00182	\$0.00228	\$0.00228	\$0.00228	\$0.00228	
16 Total Retail Rate - Fixed RPS Charge (L.13 * (1+L.14))							\$0.00213
17 Total Retail Rate - Variable Default Service Charge (L.7 + L.15)	\$0.07201	\$0.07650	\$0.08494	\$0.08570	\$0.07711	\$0.07586	
18 Total Retail Rate - Fixed Default Service Charge (L.8+L.16)							\$0.07899

As shown on Schedule LSM-2, Page 1

Non-G1 Class Default Service:	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Total
Power Supply Charge							
1 Reconciliation	\$84,336	\$96,406	\$115,815	\$110,690	\$92,260	\$91,999	\$591,506
2 Total Costs	<u>\$3,951,599</u>	<u>\$4,365,438</u>	<u>\$5,587,329</u>	<u>\$5,469,899</u>	<u>\$4,219,731</u>	<u>\$4,226,896</u>	<u>\$27,820,893</u>
3 Reconciliation plus Total Costs (L.1 + L.2)	\$4,035,935	\$4,461,844	\$5,703,144	\$5,580,589	\$4,311,991	\$4,318,895	\$28,412,399
4 kWh Purchases	<u>60,759,125</u>	<u>69,454,716</u>	<u>83,437,239</u>	<u>79,745,258</u>	<u>66,467,346</u>	<u>66,279,476</u>	<u>426,143,159</u>
5 Total, Before Losses (L.3 / L.4)	\$0.06643	\$0.06424	\$0.06835	\$0.06998	\$0.06487	\$0.06516	\$0.06667
6 Losses	<u>6.40%</u>						
7 Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6))	\$0.07068	\$0.06835	\$0.07273	\$0.07446	\$0.06903	\$0.06933	
8 Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6))							\$0.07094

As shown on Schedule LSM-3, Page 1

Renewable Portfolio Standard (RPS) Charge							
9 Reconciliation	(\$26,109)	(\$29,846)	(\$35,854)	(\$34,268)	(\$28,562)	(\$28,481)	(\$183,120)
10 Total Costs	<u>\$128,703</u>	<u>\$147,121</u>	<u>\$176,738</u>	<u>\$168,918</u>	<u>\$140,795</u>	<u>\$140,395</u>	<u>\$902,669</u>
11 Reconciliation plus Total Costs (L.9 + L.10)	\$102,594	\$117,275	\$140,884	\$134,650	\$112,233	\$111,914	\$719,549
12 kWh Purchases	<u>60,759,125</u>	<u>69,454,716</u>	<u>83,437,239</u>	<u>79,745,258</u>	<u>66,467,346</u>	<u>66,279,476</u>	<u>426,143,159</u>
13 Total, Before Losses (L.11 / L.12)	\$0.00169	\$0.00169	\$0.00169	\$0.00169	\$0.00169	\$0.00169	\$0.00169
14 Losses	<u>6.40%</u>						
15 Total Retail Rate - Variable RPS Charge (L.13 * (1+L.14))	\$0.00180	\$0.00180	\$0.00180	\$0.00180	\$0.00180	\$0.00180	
16 Total Retail Rate - Fixed RPS Charge (L.13 * (1+L.14))							\$0.00180
17 Total Retail Rate - Variable Default Service Charge (L.7 + L.15)	\$0.07248	\$0.07015	\$0.07453	\$0.07626	\$0.07083	\$0.07113	
18 Total Retail Rate - Fixed Default Service Charge (L.8+L.16)							\$0.07274

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Issued By: Mark H. Collin
Treasurer

(R)

CALCULATION OF THE DEFAULT SERVICE CHARGE

G1 Class Default Service:	<u>Feb-11</u>	<u>Mar-11</u>	<u>Apr-11</u>	<u>Total</u>	As shown on Schedule LSM-4, Page 1			
					<u>May-11</u>	<u>Jun-11</u>	<u>Jul-11</u>	<u>Total</u>
<i>Power Supply Charge</i>								
1 Reconciliation	(\$2,481)	(\$2,546)	(\$2,557)	(\$7,583)	(\$1,238)	(\$1,208)	(\$1,421)	(\$3,867)
2 Total Costs	<u>\$338,829</u>	<u>\$341,330</u>	<u>\$349,499</u>	<u>\$1,029,657</u>	<u>\$382,146</u>	<u>\$339,860</u>	<u>\$410,269</u>	<u>\$1,132,275</u>
3 Reconciliation plus Total Costs (L.1 + L.2)	<u>\$336,348</u>	<u>\$338,784</u>	<u>\$346,942</u>	<u>\$1,022,074</u>	<u>\$380,908</u>	<u>\$338,652</u>	<u>\$408,848</u>	<u>\$1,128,408</u>
4 kWh Purchases	<u>5,245,642</u>	<u>5,383,188</u>	<u>5,406,411</u>	<u>16,035,241</u>	<u>5,846,996</u>	<u>5,706,320</u>	<u>6,712,719</u>	<u>18,266,035</u>
5 Total, Before Losses (L.3 / L.4)	<u>\$0.06412</u>	<u>\$0.06293</u>	<u>\$0.06417</u>		<u>\$0.06515</u>	<u>\$0.05935</u>	<u>\$0.06091</u>	
6 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>	
7 Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6))	<u>\$0.06706</u>	<u>\$0.06582</u>	<u>\$0.06712</u>		<u>\$0.06814</u>	<u>\$0.06207</u>	<u>\$0.06370</u>	
<i>Renewable Portfolio Standard (RPS) Charge</i>								
8 Reconciliation	<u>\$3,783</u>	<u>\$3,882</u>	<u>\$3,898</u>	<u>\$11,563</u>	<u>\$3,822</u>	<u>\$3,730</u>	<u>\$4,388</u>	<u>\$11,939</u>
9 Total Costs	<u>\$9,026</u>	<u>\$9,263</u>	<u>\$9,303</u>	<u>\$27,593</u>	<u>\$12,579</u>	<u>\$12,277</u>	<u>\$14,442</u>	<u>\$39,298</u>
10 Reconciliation plus Total Costs (L.8 + L.9)	<u>\$12,809</u>	<u>\$13,145</u>	<u>\$13,202</u>	<u>\$39,155</u>	<u>\$16,401</u>	<u>\$16,007</u>	<u>\$18,830</u>	<u>\$51,237</u>
11 kWh Purchases	<u>5,245,642</u>	<u>5,383,188</u>	<u>5,406,411</u>	<u>16,035,241</u>	<u>5,846,996</u>	<u>5,706,320</u>	<u>6,712,719</u>	<u>18,266,035</u>
12 Total, Before Losses (L.10 / L.11)	<u>\$0.00244</u>	<u>\$0.00244</u>	<u>\$0.00244</u>		<u>\$0.00281</u>	<u>\$0.00281</u>	<u>\$0.00281</u>	
13 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>	
14 Total Retail Rate - Variable RPS Charge (L.12 * (1+L.13))	<u>\$0.00255</u>	<u>\$0.00255</u>	<u>\$0.00255</u>		<u>\$0.00293</u>	<u>\$0.00293</u>	<u>\$0.00293</u>	
15 Total Retail Rate - Variable Default Service Charge (L.7 + L.14)	<u>\$0.06961</u>	<u>\$0.06837</u>	<u>\$0.06967</u>		<u>\$0.07107</u>	<u>\$0.06500</u>	<u>\$0.06663</u>	

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 Treasurer

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

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	<u>May-11</u> <u>Estimated</u>	<u>Jun-11</u> <u>Estimated</u>	<u>Jul-11</u> <u>Estimated</u>	<u>Aug-11</u> <u>Estimated</u>	<u>Sep-11</u> <u>Estimated</u>	<u>Oct-11</u> <u>Estimated</u>	<u>Total</u>
1 Reconciliation (1)	\$84,336	\$96,406	\$115,815	\$110,690	\$92,260	\$91,999	\$591,506
2 Total Costs (Page 2)	<u>\$3,951,599</u>	<u>\$4,365,438</u>	<u>\$5,587,329</u>	<u>\$5,469,899</u>	<u>\$4,219,731</u>	<u>\$4,226,896</u>	<u>\$27,820,893</u>
3 Reconciliation plus Total Costs (L.1 + L.2)	\$4,035,935	\$4,461,844	\$5,703,144	\$5,580,589	\$4,311,991	\$4,318,895	\$28,412,399
4 kWh Purchases	<u>60,759,125</u>	<u>69,454,716</u>	<u>83,437,239</u>	<u>79,745,258</u>	<u>66,467,346</u>	<u>66,279,476</u>	<u>426,143,159</u>
5 Total, Before Losses (L.3 / L.4)	\$0.06643	\$0.06424	\$0.06835	\$0.06998	\$0.06487	\$0.06516	\$0.06667
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 - Variable Power Supply Charge (L.5 * (1+L.6))	\$0.07068	\$0.06835	\$0.07273	\$0.07446	\$0.06903	\$0.06933	
8 Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6))							\$0.07094

(1) Balance as of January 31, 2011 modified, as detailed below, to reflect that current rates (through April 30, 2011) include a credit for the overcollection as of January 31, 2010, and removal of Smart Grid costs for recovery beginning November 2011. Figure is then allocated between rate periods (May-October 2011 and November 2011-April 2012) and then to each month, May through October 2011, on equal per kWh basis.

January 31, 2011 actual balance - Schedule LSM-2, Page 2	\$1,239,132	
less: Estimated remaining credit for January 31, 2010 reconciliation - Feb, Mar, Apr 2011		
Estimated kWh Sales Feb-Apr 2011	187,220,205	
Amount of reconciliation in current rate	<u>(\$0.00029)</u>	
Estimated amount of reconciliation to be credited Feb-Apr 2011	(\$54,294)	
less: Smart Grid expenses	\$111,359	
Total reconciliation for May 1, 2011-April 30, 2012	\$1,182,066	
kWh purchases forecast May-October 2011	426,143,159	50.04%
kWh purchases forecast November 2011-April 2012	<u>425,457,318</u>	49.96%
Total	851,600,478	
Reconciliation amount for May-October 2011	\$591,506	
Reconciliation amount for November 2011-April 2012	<u>\$590,560</u>	
Total	\$1,182,066	

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)
Feb-10	(\$1,143,483)	\$5,930,611	\$5,369,428	(\$582,299)	(\$862,891)	3.25%	28	(\$2,151)	(\$584,451)
Mar-10	(\$584,451)	\$5,545,512	\$5,278,370	(\$317,309)	(\$450,880)	3.25%	31	(\$1,245)	(\$318,554)
Apr-10	(\$318,554)	\$4,553,004	\$4,796,670	(\$562,220)	(\$440,387)	3.25%	30	(\$1,176)	(\$563,396)
May-10	(\$563,396)	\$4,690,700	\$4,455,415	(\$328,111)	(\$445,753)	3.25%	31	(\$1,230)	(\$329,341)
Jun-10	(\$329,341)	\$5,379,877	\$5,659,296	(\$608,760)	(\$469,051)	3.25%	30	(\$1,253)	(\$610,013)
Jul-10	(\$610,013)	\$7,152,272	\$6,538,665	\$3,594	(\$303,210)	3.25%	31	(\$837)	\$2,757
Aug-10	\$2,757	\$6,882,746	\$6,361,605	\$523,898	\$263,328	3.25%	31	\$727	\$524,625
Sep-10	\$524,625	\$4,593,947	\$5,565,859	(\$447,287)	\$38,669	3.25%	30	\$103	(\$447,184)
Oct-10	(\$447,184)	\$4,916,125	\$4,386,128	\$82,813	(\$182,185)	3.25%	31	(\$503)	\$82,310
Nov-10	\$82,310	\$4,173,978	\$3,311,731	\$944,557	\$513,434	3.25%	30	\$21,469 (1)	\$966,026
Dec-10	\$966,026	\$5,446,106	\$5,853,881	\$558,251	\$762,139	3.25%	31	\$2,104	\$560,354
Jan-11	\$560,354	<u>\$5,889,134</u>	<u>\$5,212,837</u>	\$1,236,652	\$898,503	3.25%	31	<u>\$2,480</u>	\$1,239,132
Total		\$65,154,013	\$62,789,886					\$18,488	

(1) Includes adjustment of \$20,123.60 related to RPS revenue adjustment and (\$25.91) related to working capital adjustment.

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	<i>Calculation of Working Capital Supplier Charges and GIS Support Payments</i>										
	(a) Total Non-G1 Class DS Supplier Charges (1)	(b) GIS Support Payments	(c) Number of Days of Lag / 365	(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) Total Costs (sum a + b + f + g + h + i + j)
Feb-10	\$5,875,436	\$654	4.61%	\$270,622	3.25%	\$8,795	\$43,608	\$2,118	\$0	\$0	\$5,930,611
Mar-10	\$5,489,270	\$662	4.61%	\$252,838	3.25%	\$8,217	\$45,244	\$2,118	\$0	\$0	\$5,545,512
Apr-10	\$4,504,039	\$541	4.61%	\$207,457	3.25%	\$6,742	\$39,563	\$2,118	\$0	\$0	\$4,553,004
May-10	\$4,637,670	\$568	4.61%	\$213,613	3.25%	\$6,942	\$43,402	\$2,118	\$0	\$0	\$4,690,700
Jun-10	\$5,233,844	\$489	4.61%	\$241,066	3.25%	\$7,835	\$32,457	\$2,118	\$0	\$103,135	\$5,379,877
Jul-10	\$7,094,086	\$518	4.61%	\$326,740	3.25%	\$10,619	\$44,931	\$2,118	\$0	\$0	\$7,152,272
Aug-10	\$6,809,304	\$702	4.61%	\$313,633	3.25%	\$10,193	\$60,430	\$2,118	\$0	\$0	\$6,882,746
Sep-10	\$4,539,901	\$741	4.61%	\$209,118	3.25%	\$6,796	\$42,863	\$2,118	\$1,527	\$0	\$4,593,947
Oct-10	\$4,876,652	\$661	4.61%	\$224,624	3.25%	\$7,300	\$29,394	\$2,118	\$0	\$0	\$4,916,125
Nov-10	\$4,136,571	\$557	4.36%	\$180,220	3.25%	\$3,167 (1)	\$29,688	\$1,999	\$0	\$1,996	\$4,173,978
Dec-10	\$5,411,141	\$523	4.36%	\$235,741	3.25%	\$7,662	\$24,562	\$1,999	\$0	\$219	\$5,446,106
Jan-11	<u>\$5,838,074</u>	<u>\$554</u>	4.36%	<u>\$254,340</u>	3.25%	<u>\$8,266</u>	<u>\$34,233</u>	<u>\$1,999</u>	<u>\$0</u>	<u>\$6,009</u>	<u>\$5,889,134</u>
Total	\$64,445,986	\$7,168		\$2,930,014		\$92,536	\$470,376	\$25,060	\$1,527	\$111,359	\$65,154,013

(1) Includes (\$2,689.74) to adjust working capital for the period May-October 2010 to use 15.90 days lag from the 2009 Lead/Lag Study.

	(a) Total Non-G1 Class Billed Default Service kWh (1)	(b) Unbilled Factor (3)	(c) Non-G1 Class Unbilled kWh (a * b)	(d) Effective Fixed Power Supply Charge	(e) Non-G1 Class Unbilled Power Supply Charge Revenue (c * d)	(f) Reversal of prior month unbilled	(g) Total Billed Non- G1 Class Power Supply Charge Revenue (1)	(h) Total Revenue (e + f + g)
Feb-10	63,629,467	52.45%	33,374,589	\$0.08825	\$2,945,307	(\$3,197,852)	\$5,621,973	\$5,369,428
Mar-10	57,546,916	61.86%	35,600,599	\$0.08825	\$3,141,753	(\$2,945,307)	\$5,081,925	\$5,278,370
Apr-10	61,031,202	47.46%	28,963,683	\$0.08825	\$2,556,045	(\$3,141,753)	\$5,382,377	\$4,796,670
May-10	54,771,888	51.04%	27,954,845	\$0.08286	\$2,316,338	(\$2,556,045)	\$4,695,121	\$4,455,415
Jun-10	59,219,935	62.59%	37,064,952	\$0.08286	\$3,071,202	(\$2,316,338)	\$4,904,433	\$5,659,296
Jul-10	78,356,279	48.01%	37,618,670	\$0.08286	\$3,117,083	(\$3,071,202)	\$6,492,784	\$6,538,665
Aug-10	76,414,190	49.67%	37,951,375	\$0.08286	\$3,144,651	(\$3,117,083)	\$6,334,037	\$6,361,605
Sep-10	71,473,878	47.06%	33,636,990	\$0.08286	\$2,787,161	(\$3,144,651)	\$5,923,349	\$5,565,859
Oct-10	55,639,058	55.63%	30,952,468	\$0.08286	\$2,564,721	(\$2,787,161)	\$4,608,568	\$4,386,128
Nov-10	56,653,915	51.55%	29,205,278	\$0.07686	\$2,244,718	(\$2,564,721)	\$3,631,735 (2)	\$3,311,731
Dec-10	63,617,651	65.72%	41,808,489	\$0.07686	\$3,213,400	(\$2,244,718)	\$4,885,199	\$5,853,881
Jan-11	<u>72,220,408</u>	51.74%	37,365,709	\$0.07686	<u>\$2,871,928</u>	<u>(\$3,213,400)</u>	<u>\$5,554,309</u>	<u>\$5,212,837</u>
Total	770,574,786				\$33,974,309	(\$34,300,233)	\$63,115,810	\$62,789,886

(1) Per billing system

(2) Includes (\$914,358.09) to move revenue associated with RPS out of Power Supply and into the NonG1 Class RPS mechanism, as approved as part of UES' March 12, 2010 Default Service filing by Order 25,082 dated March 19, 2010.

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

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Feb-10	69,749,241	36,584,500	52.45%
Mar-10	63,349,812	39,190,480	61.86%
Apr-10	67,404,791	31,988,408	47.46%
May-10	60,733,918	30,997,785	51.04%
Jun-10	65,907,404	41,250,548	62.59%
Jul-10	86,567,399	41,560,809	48.01%
Aug-10	84,794,030	42,113,252	49.67%
Sep-10	79,816,732	37,563,298	47.06%
Oct-10	63,056,619	35,078,918	55.63%
Nov-10	64,277,863	33,135,448	51.55%
Dec-10	71,858,632	47,224,328	65.72%
Jan-11	80,742,673	41,774,996	51.74%

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

<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 Non-G1 Class DS Supplier Charges (1)	GIS Support Payments	Number of Days of Lag / 365	Working Capital Requirement ((a+b)*c)	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)		
May-11	\$3,881,445	\$523	6.05%	\$234,832	3.25%	\$7,632	\$60,000	\$1,999	\$0	\$0	\$3,951,599	
Jun-11	\$4,288,481	\$525	6.05%	\$259,455	3.25%	\$8,432	\$66,000	\$1,999	\$0	\$0	\$4,365,438	
Jul-11	\$5,507,901	\$600	6.05%	\$333,227	3.25%	\$10,830	\$66,000	\$1,999	\$0	\$0	\$5,587,329	
Aug-11	\$5,390,580	\$720	6.05%	\$326,137	3.25%	\$10,599	\$66,000	\$1,999	\$0	\$0	\$5,469,899	
Sep-11	\$4,154,874	\$688	6.05%	\$251,383	3.25%	\$8,170	\$54,000	\$1,999	\$0	\$0	\$4,219,731	
Oct-11	<u>\$4,174,116</u>	<u>\$574</u>	6.05%	<u>\$252,540</u>	3.25%	<u>\$8,208</u>	<u>\$42,000</u>	<u>\$1,999</u>	<u>\$0</u>	<u>\$0</u>	<u>\$4,226,896</u>	
Total	\$27,397,397	\$3,629		\$1,657,574		\$53,871	\$354,000	\$11,996	\$0	\$0	\$27,820,893	

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



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

	<u>May-11</u> <u>Estimated</u>	<u>Jun-11</u> <u>Estimated</u>	<u>Jul-11</u> <u>Estimated</u>	<u>Aug-11</u> <u>Estimated</u>	<u>Sep-11</u> <u>Estimated</u>	<u>Oct-11</u> <u>Estimated</u>	<u>Total</u>
1 Reconciliation	(\$26,109)	(\$29,846)	(\$35,854)	(\$34,268)	(\$28,562)	(\$28,481)	(\$183,120)
2 Total Costs (Page 2)	\$128,703	\$147,121	\$176,738	\$168,918	\$140,795	\$140,395	\$902,669
3 Reconciliation plus Total Costs (L.1 + L.2)	\$102,594	\$117,275	\$140,884	\$134,650	\$112,233	\$111,914	\$719,549
4 kWh Purchases	<u>60,759,125</u>	<u>69,454,716</u>	<u>83,437,239</u>	<u>79,745,258</u>	<u>66,467,346</u>	<u>66,279,476</u>	<u>426,143,159</u>
5 Total, Before Losses (L.3 / L.4)	\$0.00169	\$0.00169	\$0.00169	\$0.00169	\$0.00169	\$0.00169	\$0.00169
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 - Variable RPS Charge (L.5 * (1+L.6))	\$0.00180	\$0.00180	\$0.00180	\$0.00180	\$0.00180	\$0.00180	
8 Total Retail Rate - Fixed RPS Charge (L.5 * (1+L.6))							\$0.00180

(1) Balance as of January 31, 2011 modified, as detailed below, to reflect that current rates (through April 30, 2011) include a charge for the undercollection as of January 31, 2010 and to reflect accruals for RPS. Figure is then allocated between rate periods (May-October 2011 and November 2011-April 2012) and then to each month, May through October 2011, on equal per kWh basis.

January 31, 2011 actual balance - Schedule LSM-3, Page 2 (\$1,980,443)

less: Estimated remaining prior period reconciliation - Feb, Mar, Apr 2011

Estimated kWh Sales Feb-Apr 2011 187,220,205

Amount of reconciliation in current rate \$0.00003

Estimated amount of reconciliation - Feb-Apr 2011 \$5,617

plus: Non-G1 Class RPS amounts included in rate filings, Feb 2010-Jan 2011 \$1,784,892

less: Non-G1 Class RPS amounts, CY 2010 requirement, purchased \$164,779

Net Non-G1 Class RPS amounts included in rate filings, Feb 2010-Jan 2011 \$1,620,113

Total reconciliation for May 1, 2011-April 30, 2012 (\$365,947)

kWh purchases forecast May-October 2011 426,143,159 50.04%

kWh purchases forecast November 2011-April 2012 425,457,318 49.96%

Total 851,600,478

Reconciliation amount for May-October 2011 (\$183,120)

Reconciliation amount for November 2011-April 2012 (\$182,827)

Total (\$365,947)

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

Schedule LSM-3
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	(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)
Feb-10	(\$636,659)	\$66,274	\$128,959	(\$699,344)	(\$668,001)	3.25%	28	(\$1,665)	(\$701,009)
Mar-10	(\$701,009)	(\$19,444)	\$126,846	(\$847,299)	(\$774,154)	3.25%	31	(\$2,137)	(\$849,436)
Apr-10	(\$849,436)	\$0	\$115,462	(\$964,898)	(\$907,167)	3.25%	30	(\$2,423)	(\$967,321)
May-10	(\$967,321)	\$82,839	\$109,305	(\$993,787)	(\$980,554)	3.25%	31	(\$2,707)	(\$996,494)
Jun-10	(\$996,494)	\$421,273	\$138,710	(\$713,930)	(\$855,212)	3.25%	30	(\$2,284)	(\$716,215)
Jul-10	(\$716,215)	\$491,960	\$160,188	(\$384,443)	(\$550,329)	3.25%	31	(\$1,519)	(\$385,962)
Aug-10	(\$385,962)	\$19,970	\$155,792	(\$521,784)	(\$453,873)	3.25%	31	(\$1,253)	(\$523,037)
Sep-10	(\$523,037)	\$0	\$136,318	(\$659,355)	(\$591,196)	3.25%	30	(\$1,579)	(\$660,934)
Oct-10	(\$660,934)	\$0	\$107,498	(\$768,432)	(\$714,683)	3.25%	31	(\$1,973)	(\$770,405)
Nov-10	(\$770,405)	\$27,175	\$1,031,035	(\$1,774,265)	(\$1,272,335)	3.25%	30	(\$23,510)(1)	(\$1,797,775)
Dec-10	(\$1,797,775)	\$58,489	\$162,072	(\$1,901,358)	(\$1,849,567)	3.25%	31	(\$5,105)	(\$1,906,464)
Jan-11	(\$1,906,464)	<u>\$75,663</u>	<u>\$144,286</u>	(\$1,975,086)	(\$1,940,775)	3.25%	31	<u>(\$5,357)</u>	(\$1,980,443)
Total		\$1,224,200	\$2,516,471					(\$51,513)	

(1) Includes adjustment of (\$20,123.60) related to RPS revenue adjustment and \$12.18 related to working capital adjustment.

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	(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	
Feb-10	\$68,169	(85.52%)	(\$58,296)	3.25%	\$66,274
Mar-10	(\$20,000)	(85.52%)	\$17,103	3.25%	(\$19,444)
Apr-10	\$0	(85.52%)	\$0	3.25%	\$0
May-10	\$85,207	(85.52%)	(\$72,867)	3.25%	\$82,839
Jun-10	\$433,317	(85.52%)	(\$370,563)	3.25%	\$421,273
Jul-10	\$506,024	(85.52%)	(\$432,741)	3.25%	\$491,960
Aug-10	\$20,541	(85.52%)	(\$17,566)	3.25%	\$19,970
Sep-10	\$0	(85.52%)	\$0	3.25%	\$0
Oct-10	\$0	(85.52%)	\$0	3.25%	\$0
Nov-10	\$26,924	(82.65%)	(\$22,252)	3.25%	\$27,175
Dec-10	\$60,103	(82.65%)	(\$49,675)	3.25%	\$58,489
Jan-11	<u>\$77,751</u>	(82.65%)	<u>(\$64,261)</u>	3.25%	<u>\$75,663</u>
Total	\$1,258,037		(\$1,071,119)		\$1,224,200

(1) Includes \$974.30 to adjust working capital for the period May-October 2010 to use (301.67) days lag from the 2009 Lead/Lag Study.

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

	(a) Total Non-G1 Class Billed Default Service kWh (1)	(b) Unbilled Factor (3)	(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)
Feb-10	63,629,467	52.45%	33,374,589	\$0.00212	\$70,754	(\$76,821)	\$135,026	\$128,959
Mar-10	57,546,916	61.86%	35,600,599	\$0.00212	\$75,473	(\$70,754)	\$122,127	\$126,846
Apr-10	61,031,202	47.46%	28,963,683	\$0.00212	\$61,403	(\$75,473)	\$129,532	\$115,462
May-10	54,771,888	51.04%	27,954,845	\$0.00203	\$56,748	(\$61,403)	\$113,960	\$109,305
Jun-10	59,219,935	62.59%	37,064,952	\$0.00203	\$75,242	(\$56,748)	\$120,216	\$138,710
Jul-10	78,356,279	48.01%	37,618,670	\$0.00203	\$76,366	(\$75,242)	\$159,064	\$160,188
Aug-10	76,414,190	49.67%	37,951,375	\$0.00203	\$77,041	(\$76,366)	\$155,117	\$155,792
Sep-10	71,473,878	47.06%	33,636,990	\$0.00203	\$68,283	(\$77,041)	\$145,076	\$136,318
Oct-10	55,639,058	55.63%	30,952,468	\$0.00203	\$62,834	(\$68,283)	\$112,947	\$107,498
Nov-10	56,653,915	51.55%	29,205,278	\$0.00213	\$62,207	(\$62,834)	\$1,031,662 (2)	\$1,031,035
Dec-10	63,617,651	65.72%	41,808,489	\$0.00213	\$89,052	(\$62,207)	\$135,227	\$162,072
Jan-11	<u>72,220,408</u>	51.74%	37,365,709	\$0.00213	<u>\$79,589</u>	<u>(\$89,052)</u>	<u>\$153,749</u>	<u>\$144,286</u>
Total	770,574,786				\$854,993	(\$852,225)	\$2,513,703	\$2,516,471

(1) Per billing system

(2) Includes \$914,358.09 to move revenue associated with RPS out of Power Supply and into the NonG1 Class RPS mechanism, as approved as part of UES' March 12, 2010 Default Service filing by Order 25,082 dated March 19, 2010.

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

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Feb-10	69,749,241	36,584,500	52.45%
Mar-10	63,349,812	39,190,480	61.86%
Apr-10	67,404,791	31,988,408	47.46%
May-10	60,733,918	30,997,785	51.04%
Jun-10	65,907,404	41,250,548	62.59%
Jul-10	86,567,399	41,560,809	48.01%
Aug-10	84,794,030	42,113,252	49.67%
Sep-10	79,816,732	37,563,298	47.06%
Oct-10	63,056,619	35,078,918	55.63%
Nov-10	64,277,863	33,135,448	51.55%
Dec-10	71,858,632	47,224,328	65.72%
Jan-11	80,742,673	41,774,996	51.74%

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	(a)	<i>Calculation of Working Capital</i>				(f)
	Renewable Energy Credits (1)	(b) Number of Days of Lag / 365	(c) Working Capital Requirement (a*b)	(d) Prime Rate	(e) Supply Related Working Capital (c * d)	Total Costs (sum a + e)
May-11	\$132,148	(80.23%)	(\$106,019)	3.25%	(\$3,446)	\$128,703
Jun-11	\$151,060	(80.23%)	(\$121,191)	3.25%	(\$3,939)	\$147,121
Jul-11	\$181,469	(80.23%)	(\$145,588)	3.25%	(\$4,732)	\$176,738
Aug-11	\$173,440	(80.23%)	(\$139,146)	3.25%	(\$4,522)	\$168,918
Sep-11	\$144,564	(80.23%)	(\$115,980)	3.25%	(\$3,769)	\$140,795
Oct-11	<u>\$144,154</u>	(80.23%)	<u>(\$115,651)</u>	3.25%	<u>(\$3,759)</u>	<u>\$140,395</u>
Total	\$926,835		(\$743,576)		(\$24,166)	\$902,669

(1) Schedule RSF-4.

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

	<u>May-11</u> <u>Estimated</u>	<u>Jun-11</u> <u>Estimated</u>	<u>Jul-11</u> <u>Estimated</u>	<u>Total</u>
1 Reconciliation (1)	(\$1,238)	(\$1,208)	(\$1,421)	(\$3,867)
2 Total Costs (Page 2)	\$382,146	\$339,860	\$410,269	\$1,132,275
3 Reconciliation plus Total Costs (L.1 + L.2)	\$380,908	\$338,652	\$408,848	\$1,128,408
4 kWh Purchases	<u>5,846,996</u>	<u>5,706,320</u>	<u>6,712,719</u>	18,266,035
5 Total, Before Losses (L.3 / L.4)	\$0.06515	\$0.05935	\$0.06091	
6 Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	
7 Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6))	\$0.06814	\$0.06207	\$0.06370	

(1) Balance as of January 31, 2011 modified, as detailed below, to reflect that current rates (through April 30, 2011) include a credit for the overcollection as of January 31, 2010. Figure is then allocated between rate periods (May-July 2011, August-October 2011, November 2011-January 2012, and February-April 2012) and then to each month, May through July 2011, on equal per kWh basis.

January 31, 2011 actual balance - Schedule LSM-4, Page 2		(\$22,192)	
less: Estimated remaining credit for January 31, 2010 reconciliation - Feb, Mar, Apr 2011			
Estimated kWh Sales February-April 2011		15,475,469	
Amount of reconciliation in current rate		<u>(\$0.00049)</u>	
Estimated amount of reconciliation to be credited Feb-Apr 2011		(\$7,583)	
Total reconciliation for May 1, 2011-April 30, 2012		(\$14,609)	
kWh purchases forecast May-July 2011		18,266,035	26.47%
kWh purchases forecast August-October 2011		18,101,055	26.23%
kWh purchases forecast November 2011-January 2012		16,385,511	23.75%
kWh purchases forecast February-April 2012		<u>16,249,418</u>	23.55%
Total		69,002,018	
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		<u>(\$3,440)</u>	
Total		(\$14,609)	

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

Schedule LSM-4
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	(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)					
Feb-10	(\$28,632)	\$403,581	\$424,489	(\$49,540)	(\$39,086)	3.25%	28	(\$97)	(\$49,638)
Mar-10	(\$49,638)	\$406,930	\$406,985	(\$49,693)	(\$49,665)	3.25%	31	(\$137)	(\$49,830)
Apr-10	(\$49,830)	\$379,705	\$403,514	(\$73,639)	(\$61,735)	3.25%	30	(\$165)	(\$73,804)
May-10	(\$73,804)	\$354,220	\$350,226	(\$69,810)	(\$71,807)	3.25%	31	(\$198)	(\$70,008)
Jun-10	(\$70,008)	\$358,618	\$361,192	(\$72,582)	(\$71,295)	3.25%	30	(\$190)	(\$72,773)
Jul-10	(\$72,773)	\$407,485	\$423,265	(\$88,552)	(\$80,662)	3.25%	31	(\$223)	(\$88,775)
Aug-10	(\$88,775)	\$370,513	\$457,691	(\$175,953)	(\$132,364)	3.25%	31	(\$365)	(\$176,318)
Sep-10	(\$176,318)	\$318,242	\$341,041	(\$199,117)	(\$187,717)	3.25%	30	(\$501)	(\$199,618)
Oct-10	(\$199,618)	\$295,300	\$241,970	(\$146,289)	(\$172,954)	3.25%	31	(\$477)	(\$146,766)
Nov-10	(\$146,766)	\$308,411	\$191,442	(\$29,797)	(\$88,282)	3.25%	30	\$1,990 (1)	(\$27,807)
Dec-10	(\$27,807)	\$313,520	\$364,405	(\$78,693)	(\$53,250)	3.25%	31	(\$147)	(\$78,840)
Jan-11	(\$78,840)	<u>\$364,064</u>	<u>\$307,277</u>	(\$22,053)	(\$50,446)	3.25%	31	<u>(\$139)</u>	(\$22,192)
Total		\$4,280,589	\$4,273,497					(\$651)	

(1) Includes adjustment of \$2,213.55 related to RPS revenue adjustment and \$12.09 related to working capital adjustment.

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Redacted

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

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<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	GIS Support Payments	Number of Days of Lag / 365	Working Capital Requirement ((a+b)*c)	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)
Feb-10	\$396,901	\$48	1.93%	\$7,678	3.25%	\$250	\$3,206	\$3,177	\$0	\$0	\$403,581
Mar-10	\$399,875	\$52	1.93%	\$7,736	3.25%	\$251	\$3,574	\$3,177	\$0	\$0	\$406,930
Apr-10	\$372,761	\$48	1.93%	\$7,211	3.25%	\$234	\$3,485	\$3,177	\$0	\$0	\$379,705
May-10	\$346,821	\$52	1.93%	\$6,709	3.25%	\$218	\$3,952	\$3,177	\$0	\$0	\$354,220
Jun-10	\$352,304	\$43	1.93%	\$6,815	3.25%	\$221	\$2,872	\$3,177	\$0	\$0	\$358,618
Jul-10	\$400,597	\$39	1.93%	\$7,749	3.25%	\$252	\$3,421	\$3,177	\$0	\$0	\$407,485
Aug-10	\$362,380	\$54	1.93%	\$7,010	3.25%	\$228	\$4,674	\$3,177	\$0	\$0	\$370,513
Sep-10	\$311,173	\$61	1.93%	\$6,020	3.25%	\$196	\$3,511	\$3,177	\$125	\$0	\$318,242
Oct-10	\$289,477	\$54	1.93%	\$5,600	3.25%	\$182	\$2,409	\$3,177	\$0	\$0	\$295,300
Nov-10	\$303,738	\$47	3.76%	\$11,419	3.25%	\$1,595(1)	\$0	\$3,032	\$0	\$0	\$308,411
Dec-10	\$310,071	\$38	3.76%	\$11,657	3.25%	\$379	\$0	\$3,032	\$0	\$0	\$313,520
Jan-11	<u>Redacted</u>	<u>\$35</u>	3.76%	<u>Redacted</u>	3.25%	<u>Redacted</u>	<u>Redacted</u>	<u>\$3,032</u>	<u>\$0</u>	<u>\$0</u>	<u>\$364,064</u>
Total	Redacted	\$861		Redacted		Redacted	Redacted	\$37,685	\$125	\$0	\$4,280,589

(1) Includes (\$1,261.36) to adjust working capital for the period May-October 2009 to use 7.06 days lag from the 2008 Lead/Lag Study.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Total G1 Class Billed Default Service kWh (1)	Unbilled Factor (3)	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)
Feb-10	4,677,450	55.25%	2,584,116	\$0.09297	\$240,245	(\$244,745)	\$428,990	\$424,489
Mar-10	4,546,142	64.53%	2,933,799	\$0.08329	\$244,356	(\$240,245)	\$402,874	\$406,985
Apr-10	5,376,760	46.58%	2,504,702	\$0.08149	\$204,108	(\$244,356)	\$443,762	\$403,514
May-10	4,987,623	51.32%	2,559,438	\$0.06909	\$176,832	(\$204,108)	\$377,502	\$350,226
Jun-10	5,240,905	51.87%	2,718,414	\$0.06671	\$181,345	(\$176,832)	\$356,678	\$361,192
Jul-10	5,965,466	48.70%	2,904,955	\$0.06897	\$200,355	(\$181,345)	\$404,256	\$423,265
Aug-10	5,910,657	56.57%	3,343,402	\$0.07220	\$241,394	(\$200,355)	\$416,652	\$457,691
Sep-10	5,854,033	52.58%	3,078,177	\$0.06124	\$188,508	(\$241,394)	\$393,927	\$341,041
Oct-10	4,560,903	54.67%	2,493,621	\$0.06090	\$151,862	(\$188,508)	\$278,616	\$241,970
Nov-10	4,741,584	49.07%	2,326,587	\$0.06397	\$148,832	(\$151,862)	\$194,472 (2)	\$191,442
Dec-10	4,622,466	63.12%	2,917,727	\$0.07018	\$204,766	(\$148,832)	\$308,471	\$364,405
Jan-11	<u>4,618,018</u>	49.28%	2,275,971	\$0.07663	<u>\$174,408</u>	<u>(\$204,766)</u>	<u>\$337,635</u>	<u>\$307,277</u>
Total	61,102,007				\$2,357,009	(\$2,427,347)	\$4,343,835	\$4,273,497

(1) Per billing system

(2) Includes (\$100,577.25) to move revenue associated with RPS out of Power Supply and into the G1 Class RPS mechanism, as approved as part of UES' March 12, 2010 Default Service filing by Order 25,082 dated March 19, 2010.

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

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Feb-10	27,583,716	15,238,969	55.25%
Mar-10	26,369,617	17,017,321	64.53%
Apr-10	29,469,447	13,728,003	46.58%
May-10	29,216,054	14,992,449	51.32%
Jun-10	30,409,910	15,773,365	51.87%
Jul-10	34,122,624	16,616,421	48.70%
Aug-10	33,538,536	18,971,293	56.57%
Sep-10	33,898,250	17,824,432	52.58%
Oct-10	29,555,750	16,159,263	54.67%
Nov-10	29,344,940	14,398,891	49.07%
Dec-10	28,878,544	18,228,301	63.12%
Jan-11	28,565,271	14,078,274	49.28%

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Redacted

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

Schedule LSM-4
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<i>Calculation of Working Capital 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	Working Capital Requirement ((a+b)*c)	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)
May-11	Redacted	\$47	1.48%	Redacted	3.25%	Redacted	Redacted	\$3,032	\$0	\$0	\$382,146
Jun-11	Redacted	\$50	1.48%	Redacted	3.25%	Redacted	Redacted	\$3,032	\$0	\$0	\$339,860
Jul-11	<u>Redacted</u>	<u>\$49</u>	1.48%	<u>Redacted</u>	3.25%	<u>Redacted</u>	<u>Redacted</u>	<u>\$3,032</u>	<u>\$0</u>	<u>\$0</u>	<u>\$410,269</u>
Total	Redacted	\$146		Redacted		Redacted	Redacted	\$9,095	\$0	\$0	\$1,132,275

(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

Schedule LSM-5
 Page 1 of 5

	<u>May-11</u> <u>Estimated</u>	<u>Jun-11</u> <u>Estimated</u>	<u>Jul-11</u> <u>Estimated</u>	<u>Total</u>
1 Reconciliation	\$3,822	\$3,730	\$4,388	\$11,939
2 Total Costs (Page 2)	\$12,579	\$12,277	\$14,442	\$39,298
3 Reconciliation plus Total Costs (L.1 + L.2)	\$16,401	\$16,007	\$18,830	\$51,237
4 kWh Purchases	5,846,996	5,706,320	6,712,719	18,266,035
5 Total, Before Losses (L.3 / L.4)	\$0.00281	\$0.00281	\$0.00281	
6 Losses	4.591%	4.591%	4.591%	
7 Total Retail Rate - Variable RPS Charge (L.5 * (1+L.6))	\$0.00293	\$0.00293	\$0.00293	

(1) Balance as of January 31, 2011 modified, as detailed below, to reflect that current rates (through April 30, 2011) include a charge for the undercollection as of January 31, 2010 and to reflect accruals for RPS. Figure is then allocated between rate periods (May-July 2010, August-October 2010, November 2010-January 2011, and February-April 2011) and then to each month, May through July 2010, on equal per kWh basis.

January 31, 2011 actual balance - Schedule LSM-5, Page 2		(\$150,348)	
less: Estimated remaining prior period reconciliation - Feb, Mar, Apr 2011			
Estimated kWh Sales Feb-Apr 2011		15,475,469	
Amount of reconciliation in current rate		<u>\$0.00075</u>	
Estimated amount of reconciliation - Feb-Apr 2011		\$11,563	
plus: G1 Class RPS amounts included in rate filings, Feb 2010-Jan 2011		\$223,730	
less: G1 Class RPS amounts, CY 2010 requirement, purchased		<u>\$16,719</u>	
Net G1 Class RPS amounts included in rate filings, Feb 2010-Jan 2011		\$207,012	
Total reconciliation for May 1, 2011-April 30, 2012		\$45,101	
kWh purchases forecast May-July 2011	18,266,035		26.47%
kWh purchases forecast August-October 2011	18,101,055		26.23%
kWh purchases forecast November 2011-January 2012	16,385,511		23.75%
kWh purchases forecast February-April 2012	<u>16,249,418</u>		23.55%
Total	69,002,018		
Reconciliation amount for May-July 2011		\$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		<u>\$10,621</u>	
Total		\$45,101	

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

Schedule LSM-5
 Page 2 of 5

	(a) Beginning Balance	(b) Total Costs (Page 3)	(c) Total Revenue (Page 4)	(d) Ending Balance Before Interest (a + b - c)	(e) Average Monthly Balance ((a+d) / 2)	(f) Interest Rate	(g) Number of Days / Month	(h) Computed Interest	(i) Ending Balance with Interest (d + h)
Feb-10	(\$46,999)	\$7,995	\$10,038	(\$49,042)	(\$48,021)	3.25%	28	(\$120)	(\$49,162)
Mar-10	(\$49,162)	(\$2,346)	\$10,771	(\$62,278)	(\$55,720)	3.25%	31	(\$154)	(\$62,432)
Apr-10	(\$62,432)	\$0	\$10,885	(\$73,317)	(\$67,875)	3.25%	30	(\$181)	(\$73,498)
May-10	(\$73,498)	\$9,993	\$12,072	(\$75,577)	(\$74,538)	3.25%	31	(\$206)	(\$75,783)
Jun-10	(\$75,783)	\$50,821	\$12,960	(\$37,921)	(\$56,852)	3.25%	30	(\$152)	(\$38,073)
Jul-10	(\$38,073)	\$59,348	\$14,765	\$6,510	(\$15,781)	3.25%	31	(\$44)	\$6,467
Aug-10	\$6,467	\$2,409	\$13,951	(\$5,075)	\$696	3.25%	31	\$2	(\$5,073)
Sep-10	(\$5,073)	\$0	\$12,239	(\$17,313)	(\$11,193)	3.25%	30	(\$30)	(\$17,343)
Oct-10	(\$17,343)	\$0	\$8,708	(\$26,051)	(\$21,697)	3.25%	31	(\$60)	(\$26,111)
Nov-10	(\$26,111)	\$3,444	\$112,170	(\$134,837)	(\$80,474)	3.25%	30	(\$2,425)(1)	(\$137,262)
Dec-10	(\$137,262)	\$7,065	\$13,295	(\$143,492)	(\$140,377)	3.25%	31	(\$387)	(\$143,879)
Jan-11	(\$143,879)	<u>\$6,045</u>	<u>\$12,108</u>	(\$149,942)	(\$146,911)	3.25%	31	<u>(\$406)</u>	(\$150,348)
Total		\$144,776	\$243,962					(\$4,162)	

(1) Includes adjustment of (\$2,213.55) related to RPS revenue adjustment and \$3.49 related to working capital adjustment.

	(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)	
Feb-10	\$8,231	(88.35%)	(\$7,273)	3.25%	(\$236)	\$7,995
Mar-10	(\$2,415)	(88.35%)	\$2,134	3.25%	\$69	(\$2,346)
Apr-10	\$0	(88.35%)	\$0	3.25%	\$0	\$0
May-10	\$10,289	(88.35%)	(\$9,090)	3.25%	(\$295)	\$9,993
Jun-10	\$52,323	(88.35%)	(\$46,228)	3.25%	(\$1,502)	\$50,821
Jul-10	\$61,103	(88.35%)	(\$53,985)	3.25%	(\$1,755)	\$59,348
Aug-10	\$2,480	(88.35%)	(\$2,191)	3.25%	(\$71)	\$2,409
Sep-10	\$0	(88.35%)	\$0	3.25%	\$0	\$0
Oct-10	\$0	(88.35%)	\$0	3.25%	\$0	\$0
Nov-10	\$3,251	(81.55%)	(\$2,651)	3.25%	\$193	\$3,444
Dec-10	\$7,258	(81.55%)	(\$5,919)	3.25%	(\$192)	\$7,065
Jan-11	<u>\$6,210</u>	(81.55%)	<u>(\$5,064)</u>	3.25%	<u>(\$165)</u>	<u>\$6,045</u>
Total	\$148,730		(\$130,267)		(\$3,955)	\$144,776

(1) Includes \$278.87 to adjust working capital for the period May-October 2010 to use (297.66) days lag from the 2009 Lead/Lag Study.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Total G1 Class Billed Default Service kWh (1)	Unbilled Factor (3)	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)
Feb-10	4,677,450	55.25%	2,584,116	\$0.00220	\$5,685	(\$6,042)	\$10,395	\$10,038
Mar-10	4,546,142	64.53%	2,933,799	\$0.00220	\$6,454	(\$5,685)	\$10,002	\$10,771
Apr-10	5,376,760	46.58%	2,504,702	\$0.00220	\$5,510	(\$6,454)	\$11,829	\$10,885
May-10	4,987,623	51.32%	2,559,438	\$0.00240	\$6,143	(\$5,510)	\$11,440	\$12,072
Jun-10	5,240,905	51.87%	2,718,414	\$0.00240	\$6,524	(\$6,143)	\$12,578	\$12,960
Jul-10	5,965,466	48.70%	2,904,955	\$0.00240	\$6,972	(\$6,524)	\$14,317	\$14,765
Aug-10	5,910,657	56.57%	3,343,402	\$0.00219	\$7,322	(\$6,972)	\$13,601	\$13,951
Sep-10	5,854,033	52.58%	3,078,177	\$0.00219	\$6,741	(\$7,322)	\$12,820	\$12,239
Oct-10	4,560,903	54.67%	2,493,621	\$0.00219	\$5,461	(\$6,741)	\$9,988	\$8,708
Nov-10	4,741,584	49.07%	2,326,587	\$0.00255	\$5,933	(\$5,461)	\$111,698 (2)	\$112,170
Dec-10	4,622,466	63.12%	2,917,727	\$0.00255	\$7,440	(\$5,933)	\$11,787	\$13,295
Jan-11	<u>4,618,018</u>	49.28%	2,275,971	\$0.00300	<u>\$6,828</u>	<u>(\$7,440)</u>	<u>\$12,721</u>	<u>\$12,108</u>
Total	61,102,007				\$77,014	(\$76,228)	\$243,177	\$243,962

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(1) Per billing system

(2) Includes \$100,577.25 to move revenue associated with RPS out of Power Supply and into the G1 Class RPS mechanism, as approved as part of UES' March 12, 2010 Default Service filing by Order 25,082 dated March 19, 2010.

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

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Feb-10	27,583,716	15,238,969	55.25%
Mar-10	26,369,617	17,017,321	64.53%
Apr-10	29,469,447	13,728,003	46.58%
May-10	29,216,054	14,992,449	51.32%
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Sep-10	33,898,250	17,824,432	52.58%
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Nov-10	29,344,940	14,398,891	49.07%
Dec-10	28,878,544	18,228,301	63.12%
Jan-11	28,565,271	14,078,274	49.28%

	(a)	<i>Calculation of Working Capital</i>				(f)
	Renewable Energy Credits (1)	(b) Number of Days of Lag / 365	(c) Working Capital Requirement (a*b)	(d) Prime Rate	(e) Supply Related Working Capital (c * d)	Total Costs (sum a + e)
May-11	\$12,942	(86.12%)	(\$11,145)	3.25%	(\$362)	\$12,579
Jun-11	\$12,630	(86.12%)	(\$10,877)	3.25%	(\$353)	\$12,277
Jul-11	<u>\$14,858</u>	(86.12%)	<u>(\$12,795)</u>	3.25%	<u>(\$416)</u>	<u>\$14,442</u>
Total	\$40,430		(\$34,816)		(\$1,132)	\$39,298

(1) Schedule RSF-4.

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

Residential Rate D 500 kWh Bill

<u>Rate Components</u>	<u>2/1/2011</u>	<u>5/1/2011</u>					<u>%</u>
	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill*</u>	<u>As Revised Bill*</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$8.40	\$8.40	\$0.00	\$8.40	\$8.40	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.02248	\$0.02248	\$0.00000	\$5.62	\$5.62	\$0.00	0.0%
Excess 250 kWh	\$0.02748	\$0.02748	\$0.00000	\$6.87	\$6.87	\$0.00	0.0%
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000	\$8.44	\$8.44	\$0.00	0.0%
Stranded Cost Charge	\$0.00138	\$0.00138	\$0.00000	\$0.69	\$0.69	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$1.65	\$1.65	\$0.00	0.0%
Default Service Charge	<u>\$0.07899</u>	<u>\$0.07274</u>	<u>(\$0.00625)</u>	<u>\$39.50</u>	<u>\$36.37</u>	<u>(\$3.13)</u>	<u>-4.4%</u>
First 250 kWh	\$0.12303	\$0.11678	(\$0.00625)				
Excess 250 kWh	\$0.12803	\$0.12178	(\$0.00625)				
Total Bill				\$71.17	\$68.04	(\$3.13)	-4.4%

* Impacts do not include the Electricity Consumption Tax.

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

<u>Regular General G2 Quick Recovery Water Heating and Space Heating 2,000 kWh Typical Bill</u>							
<u>Rate Components</u>	<u>2/1/2011</u>	<u>5/1/2011</u>	<u>Difference</u>	<u>Current Bill*</u>	<u>As Revised Bill*</u>	<u>Difference</u>	<u>%</u>
	<u>Current Rate</u>	<u>As Revised</u>		<u>Difference</u>	<u>Total Bill</u>		
Customer Charge	\$3.75	\$3.75	\$0.00	\$3.75	\$3.75	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.02526	\$0.02526	\$0.00000	\$50.52	\$50.52	\$0.00	0.0%
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000	\$33.76	\$33.76	\$0.00	0.0%
Stranded Cost Charge	\$0.00138	\$0.00138	\$0.00000	\$2.76	\$2.76	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$6.60	\$6.60	\$0.00	0.0%
Default Service Charge	<u>\$0.07899</u>	<u>\$0.07274</u>	<u>(\$0.00625)</u>	<u>\$157.98</u>	<u>\$145.48</u>	<u>(\$12.50)</u>	<u>-4.9%</u>
Total	\$0.12581	\$0.11956	(\$0.00625)	\$251.62	\$239.12	(\$12.50)	-4.9%
Total Bill				\$255.37	\$242.87	(\$12.50)	-4.9%

<u>Regular General G2 kWh Meter 125 kWh Typical Bill</u>							
<u>Rate Components</u>	<u>2/1/2011</u>	<u>5/1/2011</u>	<u>Difference</u>	<u>Current Bill*</u>	<u>As Revised Bill*</u>	<u>Difference</u>	<u>%</u>
	<u>Current Rate</u>	<u>As Revised</u>		<u>Difference</u>	<u>Total Bill</u>		
Customer Charge	\$8.40	\$8.40	\$0.00	\$8.40	\$8.40	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.03413	\$0.03413	\$0.00000	\$4.27	\$4.27	\$0.00	0.0%
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000	\$2.11	\$2.11	\$0.00	0.0%
Stranded Cost Charge	\$0.00138	\$0.00138	\$0.00000	\$0.17	\$0.17	\$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>\$0.07899</u>	<u>\$0.07274</u>	<u>(\$0.00625)</u>	<u>\$9.87</u>	<u>\$9.09</u>	<u>(\$0.78)</u>	<u>-3.1%</u>
Total	\$0.13468	\$0.12843	(\$0.00625)	\$16.84	\$16.05	(\$0.78)	-3.1%
Total Bill				\$25.24	\$24.45	(\$0.78)	-3.1%

* Impacts do not include the Electricity Consumption Tax.

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

<u>Regular General G2 Demand, 10 kW, 3,000 kWh Typical Bill</u>							
	2/1/2011	5/1/2011					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As revised</u>	<u>Difference</u>	<u>Current Bill*</u>	<u>As Revised Bill*</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$11.00	\$11.00	\$0.00	\$11.00	\$11.00	\$0.00	0.0%
	<u>All kW</u>	<u>All kW</u>					
Distribution Charge	\$7.03	\$7.03	\$0.00	\$70.30	\$70.30	\$0.00	0.0%
Stranded Cost Charge	<u>\$0.24</u>	<u>\$0.24</u>	<u>\$0.00</u>	<u>\$2.40</u>	<u>\$2.40</u>	<u>\$0.00</u>	<u>0.0%</u>
Total	\$7.27	\$7.27	\$0.00	\$72.70	\$72.70	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.00438	\$0.00438	\$0.00000	\$13.14	\$13.14	\$0.00	0.0%
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000	\$50.64	\$50.64	\$0.00	0.0%
Stranded Cost Charge	\$0.00046	\$0.00046	\$0.00000	\$1.38	\$1.38	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$9.90	\$9.90	\$0.00	0.0%
Default Service Charge	<u>\$0.07899</u>	<u>\$0.07274</u>	<u>(\$0.00625)</u>	<u>\$236.97</u>	<u>\$218.22</u>	<u>(\$18.75)</u>	<u>-4.7%</u>
Total	\$0.10401	\$0.09776	(\$0.00625)	\$312.03	\$293.28	(\$18.75)	-4.7%
Total Bill				\$395.73	\$376.98	(\$18.75)	-4.7%

<u>Large General - G1 550 kVa, 200,000 kWh Typical Bill</u>							
	2/1/2011	5/1/2011					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill*</u>	<u>As Revised Bill*</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$108.86	\$108.86	\$0.00	\$108.86	\$108.86	\$0.00	0.0%
	<u>All kVa</u>	<u>All kVa</u>					
Distribution Charge	\$5.69	\$5.69	\$0.00	\$3,129.50	\$3,129.50	\$0.00	0.0%
Stranded Cost Charge	<u>\$0.34</u>	<u>\$0.34</u>	<u>\$0.00</u>	<u>\$187.00</u>	<u>\$187.00</u>	<u>\$0.00</u>	<u>0.0%</u>
Total	\$6.03	\$6.03	\$0.00	\$3,316.50	\$3,316.50	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.00438	\$0.00438	\$0.00000	\$876.00	\$876.00	\$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%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$660.00	\$660.00	\$0.00	0.0%
Default Service Charge	<u>\$0.06922</u>	<u>\$0.06757</u>	<u>(\$0.00165)</u>	<u>\$13,844.00</u>	<u>\$13,514.00</u>	<u>(\$330.00)</u>	<u>-1.5%</u>
Total	\$0.09419	\$0.09254	(\$0.00165)	\$18,838.00	\$18,508.00	(\$330.00)	-1.5%
Total Bill				\$22,263.36	\$21,933.36	(\$330.00)	-1.5%

* Impacts do not include the Electricity Consumption Tax.

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

Residential Rate D 671 kWh Bill - Mean Use*

	2/1/2011	5/1/2011					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill**</u>	<u>As Revised Bill**</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$8.40	\$8.40	\$0.00	\$8.40	\$8.40	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.02248	\$0.02248	\$0.00000	\$5.62	\$5.62	\$0.00	0.0%
Excess 250 kWh	\$0.02748	\$0.02748	\$0.00000	\$11.57	\$11.57	\$0.00	0.0%
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000	\$11.33	\$11.33	\$0.00	0.0%
Stranded Cost Charge	\$0.00138	\$0.00138	\$0.00000	\$0.93	\$0.93	\$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>\$0.07899</u>	<u>\$0.07274</u>	<u>(\$0.00625)</u>	<u>\$53.00</u>	<u>\$48.81</u>	<u>(\$4.19)</u>	<u>-4.5%</u>
First 250 kWh	\$0.12303	\$0.11678	(\$0.00625)				
Excess 250 kWh	\$0.12803	\$0.12178	(\$0.00625)				
Total Bill				\$93.06	\$88.86	(\$4.19)	-4.5%

Residential Rate D 560 kWh Bill - Median Use*

	2/1/2011	5/1/2011					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill**</u>	<u>As Revised Bill**</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$8.40	\$8.40	\$0.00	\$8.40	\$8.40	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.02248	\$0.02248	\$0.00000	\$5.62	\$5.62	\$0.00	0.0%
Excess 250 kWh	\$0.02748	\$0.02748	\$0.00000	\$8.52	\$8.52	\$0.00	0.0%
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000	\$9.45	\$9.45	\$0.00	0.0%
Stranded Cost Charge	\$0.00138	\$0.00138	\$0.00000	\$0.77	\$0.77	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$1.85	\$1.85	\$0.00	0.0%
Default Service Charge	<u>\$0.07899</u>	<u>\$0.07274</u>	<u>(\$0.00625)</u>	<u>\$44.23</u>	<u>\$40.73</u>	<u>(\$3.50)</u>	<u>-4.4%</u>
First 250 kWh	\$0.12303	\$0.11678	(\$0.00625)				
Excess 250 kWh	\$0.12803	\$0.12178	(\$0.00625)				
Total Bill				\$78.85	\$75.35	(\$3.50)	-4.4%

* Based on billing period February 2010 through January 2011.

** Impacts do not include the Electricity Consumption Tax.

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Unitil Energy Systems, Inc.
Average Class Bill Impacts
Due to Proposed Rate Changes Effective May 1, 2011

(A) <u>Class of Service</u>	(B) <u>Number of Customers</u>	(C) <u>Annual kWh Sales</u>	(D) <u>Annual kW / kVA Sales</u>	(E) <u>Proposed DSC Change \$</u>	(F) <u>Estimated Annual Revenue \$ Under Present Rates</u>	(G) <u>Estimated Annual Revenue \$ Under Proposed Rates</u>	(H) <u>Proposed Net Change Revenue \$</u>	(I) <u>% Change DSC Revenue</u>
Residential	763,694	480,638,599	n/a	(\$3,003,991)	\$67,087,145	\$64,083,153	(\$3,003,991)	(4.5%)
General Service	129,249	340,275,469	1,301,458	(\$2,126,722)	\$46,371,495	\$44,244,774	(\$2,126,722)	(4.6%)
Large General Service	1,814	347,650,754	989,158	(\$573,624)	\$38,742,551	\$38,168,927	(\$573,624)	(1.5%)
Outdoor Lighting	115,819	8,988,739	n/a	(\$56,180)	\$2,157,733	\$2,101,554	(\$56,180)	(2.6%)
Total	1,010,576	1,177,553,561		(\$5,760,516)	\$154,358,924	\$148,598,408	(\$5,760,516)	(3.7%)

(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). The proposed and current DSC for the G1 class used in this analysis are based on the average of the DSC for each 3-month period.

(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.
Typical Bill Impacts - February 1, 2011 versus May 1, 2011
Impacts do NOT include the Electricity Consumption Tax
Impact on D Rate Customers

<u>Average kWh</u>	<u>Total Bill Using Rates 2/1/2011</u>	<u>Total Bill Using Rates 5/1/2011</u>	<u>Total Difference</u>	<u>% Total Difference</u>
125	\$23.78	\$23.00	(\$0.78)	(3.3%)
250	\$39.16	\$37.60	(\$1.56)	(4.0%)
500	\$71.17	\$68.04	(\$3.13)	(4.4%)
600	\$83.97	\$80.22	(\$3.75)	(4.5%)
750	\$103.17	\$98.49	(\$4.69)	(4.5%)
1,000	\$135.18	\$128.93	(\$6.25)	(4.6%)
1,250	\$167.19	\$159.38	(\$7.81)	(4.7%)
1,500	\$199.20	\$189.82	(\$9.38)	(4.7%)
2,000	\$263.21	\$250.71	(\$12.50)	(4.7%)
3,500	\$455.26	\$433.38	(\$21.88)	(4.8%)
5,000	\$647.30	\$616.05	(\$31.25)	(4.8%)

	<u>Rates - Effective February 1, 2011</u>	<u>Rates - Proposed May 1, 2011</u>	<u>Difference</u>
Customer Charge	\$8.40	\$8.40	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge: First 250 kWh	\$0.02248	\$0.02248	\$0.00000
Excess 250 kWh	\$0.02748	\$0.02748	\$0.00000
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000
Stranded Cost Charge	\$0.00138	\$0.00138	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	<u>\$0.07899</u>	<u>\$0.07274</u>	<u>(\$0.00625)</u>
TOTAL First 250 kWh	\$0.12303	\$0.11678	(\$0.00625)
Excess 250 kWh	\$0.12803	\$0.12178	(\$0.00625)

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2011 versus May 1, 2011 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 2/1/2011	Total Bill Using Rates 5/1/2011	Total Difference	% Total Difference
20%	5	730	\$123.28	\$118.71	(\$4.56)	(3.7%)
20%	10	1,460	\$235.55	\$226.43	(\$9.13)	(3.9%)
20%	15	2,190	\$347.83	\$334.14	(\$13.69)	(3.9%)
20%	25	3,650	\$572.39	\$549.57	(\$22.81)	(4.0%)
20%	50	7,300	\$1,133.77	\$1,088.15	(\$45.63)	(4.0%)
20%	75	10,950	\$1,695.16	\$1,626.72	(\$68.44)	(4.0%)
20%	100	14,600	\$2,256.55	\$2,165.30	(\$91.25)	(4.0%)
20%	150	21,900	\$3,379.32	\$3,242.44	(\$136.88)	(4.1%)
36%	5	1,314	\$184.02	\$175.81	(\$8.21)	(4.5%)
36%	10	2,628	\$357.04	\$340.61	(\$16.43)	(4.6%)
36%	15	3,942	\$530.06	\$505.42	(\$24.64)	(4.6%)
36%	25	6,570	\$876.10	\$835.03	(\$41.06)	(4.7%)
36%	50	13,140	\$1,741.19	\$1,659.07	(\$82.13)	(4.7%)
36%	75	19,710	\$2,606.29	\$2,483.10	(\$123.19)	(4.7%)
36%	100	26,280	\$3,471.38	\$3,307.13	(\$164.25)	(4.7%)
36%	150	39,420	\$5,201.57	\$4,955.20	(\$246.38)	(4.7%)
50%	5	1,825	\$237.17	\$225.76	(\$11.41)	(4.8%)
50%	10	3,650	\$463.34	\$440.52	(\$22.81)	(4.9%)
50%	15	5,475	\$689.50	\$655.29	(\$34.22)	(5.0%)
50%	25	9,125	\$1,141.84	\$1,084.81	(\$57.03)	(5.0%)
50%	50	18,250	\$2,272.68	\$2,158.62	(\$114.06)	(5.0%)
50%	75	27,375	\$3,403.52	\$3,232.43	(\$171.09)	(5.0%)
50%	100	36,500	\$4,534.37	\$4,306.24	(\$228.13)	(5.0%)
50%	150	54,750	\$6,796.05	\$6,453.86	(\$342.19)	(5.0%)
	Rates - Effective February 1, 2011	Rates - Proposed May 1, 2011	Difference			
Customer Charge	\$11.00	\$11.00	\$0.00			
	<u>All kW</u>	<u>All kW</u>	<u>All kW</u>			
Distribution Charge	\$7.03	\$7.03	\$0.00			
Stranded Cost Charge	\$0.24	\$0.24	\$0.00			
TOTAL	\$7.27	\$7.27	\$0.00			
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>			
Distribution Charge	\$0.00438	\$0.00438	\$0.00000			
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000			
Stranded Cost Charge	\$0.00046	\$0.00046	\$0.00000			
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000			
Default Service Charge	<u>\$0.07899</u>	<u>\$0.07274</u>	<u>(\$0.00625)</u>			
TOTAL	\$0.10401	\$0.09776	(\$0.00625)			

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2011 versus May 1, 2011 Impacts do NOT include the Electricity Consumption Tax Impact on G2 kWh Meter Rate Customers				
Average Monthly kWh	Total Bill Using Rates 2/1/2011	Total Bill Using Rates 5/1/2011	Total Difference	% Total Difference
15	\$10.42	\$10.33	(\$0.09)	(0.9%)
75	\$18.50	\$18.03	(\$0.47)	(2.5%)
150	\$28.60	\$27.66	(\$0.94)	(3.3%)
250	\$42.07	\$40.51	(\$1.56)	(3.7%)
350	\$55.54	\$53.35	(\$2.19)	(3.9%)
450	\$69.01	\$66.19	(\$2.81)	(4.1%)
550	\$82.47	\$79.04	(\$3.44)	(4.2%)
650	\$95.94	\$91.88	(\$4.06)	(4.2%)
750	\$109.41	\$104.72	(\$4.69)	(4.3%)
900	\$129.61	\$123.99	(\$5.63)	(4.3%)

	Rates - Effective February 1, 2011	Rates - Proposed May 1, 2011	Difference
kWh Meter Customer Charge	\$8.40	\$8.40	\$0.00
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.03413	\$0.03413	\$0.00000
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000
Stranded Cost Charge	\$0.00138	\$0.00138	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	\$0.07899	\$0.07274	(\$0.00625)
TOTAL	\$0.13468	\$0.12843	(\$0.00625)

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2011 versus May 1, 2011 Impacts do NOT include the Electricity Consumption Tax Impact on G2 QRWH and SH Rate Customers				
Average kWh	Total Bill Using Rates 2/1/2011	Total Bill Using Rates 5/1/2011	Total Difference	% Total Difference
100	\$16.33	\$15.71	(\$0.63)	(3.8%)
200	\$28.91	\$27.66	(\$1.25)	(4.3%)
300	\$41.49	\$39.62	(\$1.88)	(4.5%)
400	\$54.07	\$51.57	(\$2.50)	(4.6%)
500	\$66.66	\$63.53	(\$3.13)	(4.7%)
750	\$98.11	\$93.42	(\$4.69)	(4.8%)
1,000	\$129.56	\$123.31	(\$6.25)	(4.8%)
1,500	\$192.47	\$183.09	(\$9.38)	(4.9%)
2,000	\$255.37	\$242.87	(\$12.50)	(4.9%)
2,500	\$318.28	\$302.65	(\$15.63)	(4.9%)

	Rates - Effective February 1, 2011	Rates - Proposed May 1, 2011	Difference
Customer Charge	\$3.75	\$3.75	\$0.00
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.02526	\$0.02526	\$0.00000
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000
Stranded Cost Charge	\$0.00138	\$0.00138	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	\$0.07899	\$0.07274	(\$0.00625)
TOTAL	\$0.12581	\$0.11956	(\$0.00625)

Unitil Energy Systems, Inc.						
Typical Bill Impacts - February 1, 2011 versus May 1, 2011						
Impacts do NOT include the Electricity Consumption Tax						
Impact on G1 Rate Customers						
Load Factor	Average Monthly kVa	Average Monthly kWh	Total Bill Using Rates 2/1/2011	Total Bill Using Rates 5/1/2011	Total Difference	% Total Difference
25.0%	200	36,500	\$4,752.80	\$4,692.57	(\$60.22)	(1.3%)
25.0%	400	73,000	\$9,396.73	\$9,276.28	(\$120.45)	(1.3%)
25.0%	600	109,500	\$14,040.67	\$13,859.99	(\$180.67)	(1.3%)
25.0%	800	146,000	\$18,684.60	\$18,443.70	(\$240.90)	(1.3%)
25.0%	1,000	182,500	\$23,328.54	\$23,027.41	(\$301.13)	(1.3%)
25.0%	1,500	273,750	\$34,938.37	\$34,486.69	(\$451.69)	(1.3%)
25.0%	2,000	365,000	\$46,548.21	\$45,945.96	(\$602.25)	(1.3%)
25.0%	2,500	456,250	\$58,158.05	\$57,405.24	(\$752.81)	(1.3%)
25.0%	3,000	547,500	\$69,767.89	\$68,864.51	(\$903.38)	(1.3%)
40.0%	200	58,400	\$6,815.56	\$6,719.20	(\$96.36)	(1.4%)
40.0%	400	116,800	\$13,522.25	\$13,329.53	(\$192.72)	(1.4%)
40.0%	600	175,200	\$20,228.95	\$19,939.87	(\$289.08)	(1.4%)
40.0%	800	233,600	\$26,935.64	\$26,550.20	(\$385.44)	(1.4%)
40.0%	1,000	292,000	\$33,642.34	\$33,160.54	(\$481.80)	(1.4%)
40.0%	1,500	438,000	\$50,409.08	\$49,686.38	(\$722.70)	(1.4%)
40.0%	2,000	584,000	\$67,175.82	\$66,212.22	(\$963.60)	(1.4%)
40.0%	2,500	730,000	\$83,942.56	\$82,738.06	(\$1,204.50)	(1.4%)
40.0%	3,000	876,000	\$100,709.30	\$99,263.90	(\$1,445.40)	(1.4%)
57.0%	200	83,220	\$9,153.35	\$9,016.04	(\$137.31)	(1.5%)
57.0%	400	166,440	\$18,197.84	\$17,923.22	(\$274.63)	(1.5%)
57.0%	600	249,660	\$27,242.34	\$26,830.40	(\$411.94)	(1.5%)
57.0%	800	332,880	\$36,286.83	\$35,737.58	(\$549.25)	(1.5%)
57.0%	1,000	416,100	\$45,331.32	\$44,644.75	(\$686.56)	(1.5%)
57.0%	1,500	624,150	\$67,942.55	\$66,912.70	(\$1,029.85)	(1.5%)
57.0%	2,000	832,200	\$90,553.78	\$89,180.65	(\$1,373.13)	(1.5%)
57.0%	2,500	1,040,250	\$113,165.01	\$111,448.60	(\$1,716.41)	(1.5%)
57.0%	3,000	1,248,300	\$135,776.24	\$133,716.54	(\$2,059.70)	(1.5%)
71.0%	200	103,660	\$11,078.60	\$10,907.56	(\$171.04)	(1.5%)
71.0%	400	207,320	\$22,048.33	\$21,706.25	(\$342.08)	(1.6%)
71.0%	600	310,980	\$33,018.07	\$32,504.95	(\$513.12)	(1.6%)
71.0%	800	414,640	\$43,987.80	\$43,303.65	(\$684.16)	(1.6%)
71.0%	1,000	518,300	\$54,957.54	\$54,102.34	(\$855.20)	(1.6%)
71.0%	1,500	777,450	\$82,381.88	\$81,099.08	(\$1,282.79)	(1.6%)
71.0%	2,000	1,036,600	\$109,806.21	\$108,095.82	(\$1,710.39)	(1.6%)
71.0%	2,500	1,295,750	\$137,230.55	\$135,092.57	(\$2,137.99)	(1.6%)
71.0%	3,000	1,554,900	\$164,654.89	\$162,089.31	(\$2,565.58)	(1.6%)

	Rates - Effective	Rates -	Difference
	February 1, 2011	Proposed May 1, 2011	
Customer Charge	\$108.86	\$108.86	\$0.00
Distribution Charge	All kVA	All kVA	All kVA
Stranded Cost Charge	\$5.69	\$5.69	\$0.00
TOTAL	\$0.34	\$0.34	\$0.00
	All kWh	All kWh	All kWh
Distribution Charge	\$0.00438	\$0.00438	\$0.00000
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000
Stranded Cost Charge	\$0.00041	\$0.00041	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge*	\$0.06922	\$0.06757	(\$0.00165)
TOTAL	\$0.09419	\$0.09254	(\$0.00165)

* Default Service Charges shown are based on the average of the DSC for each 3-month period.

Unitil Energy Systems, Inc.
Typical Bill Impacts - February 1, 2011 versus May 1, 2011
Impacts do NOT include the Electricity Consumption Tax
Impact on OL Rate Customers

	<u>Nominal Watts</u>	<u>Lumens</u>	<u>Average Monthly kWh</u>	<u>Total Bill Using Rates 2/1/2011</u>	<u>Total Bill Using Rates 5/1/2011</u>	<u>Total Difference</u>	<u>% Total Difference</u>
<u>Mercury Vapor:</u>							
1	100	3,500	40	\$12.08	\$11.83	(\$0.25)	(2.1%)
2	175	7,000	67	\$16.57	\$16.15	(\$0.42)	(2.5%)
3	250	11,000	95	\$20.92	\$20.32	(\$0.59)	(2.8%)
4	400	20,000	154	\$29.39	\$28.43	(\$0.96)	(3.3%)
5	1,000	60,000	388	\$68.00	\$65.58	(\$2.43)	(3.6%)
6	250	11,000	95	\$21.70	\$21.10	(\$0.59)	(2.7%)
7	400	20,000	154	\$30.40	\$29.44	(\$0.96)	(3.2%)
8	1,000	60,000	388	\$64.97	\$62.55	(\$2.43)	(3.7%)
9	100	3,500	40	\$12.16	\$11.91	(\$0.25)	(2.1%)
10	175	7,000	67	\$15.97	\$15.55	(\$0.42)	(2.6%)
<u>High Pressure Sodium:</u>							
11	50	4,000	21	\$10.24	\$10.11	(\$0.13)	(1.3%)
12	100	9,500	43	\$13.69	\$13.42	(\$0.27)	(2.0%)
13	150	16,000	60	\$15.52	\$15.14	(\$0.38)	(2.4%)
14	250	30,000	101	\$22.42	\$21.79	(\$0.63)	(2.8%)
15	400	50,000	161	\$32.05	\$31.05	(\$1.01)	(3.1%)
16	1,000	140,000	398	\$68.70	\$66.21	(\$2.49)	(3.6%)
17	150	16,000	60	\$17.09	\$16.71	(\$0.38)	(2.2%)
18	250	30,000	101	\$23.50	\$22.87	(\$0.63)	(2.7%)
19	400	50,000	161	\$31.69	\$30.69	(\$1.01)	(3.2%)
20	1,000	140,000	398	\$68.94	\$66.45	(\$2.49)	(3.6%)
21	50	4,000	21	\$9.57	\$9.44	(\$0.13)	(1.4%)
22	100	95,000	43	\$12.90	\$12.63	(\$0.27)	(2.1%)

	<u>Rates - Effective February 1, 2011</u>	<u>Rates - Proposed May 1, 2011</u>	<u>Difference</u>
Customer Charge	\$0.00	\$0.00	\$0.00
Distribution Charge	<u>All kWh</u> \$0.00438	<u>All kWh</u> \$0.00438	\$0.00000
External Delivery Charge	\$0.01688	\$0.01688	\$0.00000
Stranded Cost Charge	\$0.00138	\$0.00138	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	<u>\$0.07899</u>	<u>\$0.07274</u>	<u>(\$0.00625)</u>
TOTAL	\$0.10493	\$0.09868	(\$0.00625)

Luminaire Charges For Year Round Service:

	<u>Mercury Vapor Rate/Mo.</u>	<u>Mercury Vapor Rate/Mo.</u>	<u>Mercury Vapor Rate/Mo.</u>
1	\$7.88	\$7.88	\$0.00
2	\$9.54	\$9.54	\$0.00
3	\$10.95	\$10.95	\$0.00
4	\$13.23	\$13.23	\$0.00
5	\$27.29	\$27.29	\$0.00
6	\$11.73	\$11.73	\$0.00
7	\$14.24	\$14.24	\$0.00
8	\$24.26	\$24.26	\$0.00
9	\$7.96	\$7.96	\$0.00
10	\$8.94	\$8.94	\$0.00
	<u>Sodium Vapor Rate/Mo.</u>	<u>Sodium Vapor Rate/Mo.</u>	<u>Sodium Vapor Rate/Mo.</u>
11	\$8.04	\$8.04	\$0.00
12	\$9.18	\$9.18	\$0.00
13	\$9.22	\$9.22	\$0.00
14	\$11.82	\$11.82	\$0.00
15	\$15.16	\$15.16	\$0.00
16	\$26.94	\$26.94	\$0.00
17	\$10.79	\$10.79	\$0.00
18	\$12.90	\$12.90	\$0.00
19	\$14.80	\$14.80	\$0.00
20	\$27.18	\$27.18	\$0.00
21	\$7.37	\$7.37	\$0.00
22	\$8.39	\$8.39	\$0.00

