(**R**)

CALCULATION OF THE DEFAULT SERVICE CHARGE

								(K)
	Non-G1 Class Default Service:	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	Total
1	Power Supply Charge Reconciliation	\$118,712	\$130,852	\$144,437	\$129,737	\$123,193	\$109,835	\$756,766
2	Total Costs	<u>\$4,310,516</u>	<u>\$5,242,290</u>	\$6,404,978	<u>\$5,774,660</u>	<u>\$4,639,087</u>	\$4,069,824	<u>\$30,441,355</u>
3	${\color{red}Reconciliation~plus~Total~Costs~(L.1+L.2)}$	\$4,429,229	\$5,373,142	\$6,549,415	\$5,904,397	\$4,762,280	\$4,179,658	\$31,198,121
4	kWh Purchases	66,740,691	73,565,609	81,203,115	72,938,785	69,259,531	61,749,587	425,457,318
5	Total, Before Losses (L.3 / L.4)	\$0.06636	\$0.07304	\$0.08065	\$0.08095	\$0.06876	\$0.06769	\$0.07333
6	Losses	<u>6.40%</u>	6.40%	6.40%	6.40%	6.40%	6.40%	<u>6.40%</u>
7	Total Retail Rate Variable Power Supply Charge	\$0.07061	\$0.07771	\$0.08582	\$0.08613	\$0.07316	\$0.07202	
8	(L.5 * (1+1.6)) Total Retail Rate Fixed Power Supply Charge (L.5 * (1+1.6))	\$0.07001	\$0.07771	30.0332	30.08013	\$0.07310	\$0.07202	\$ 0.07802
9	Renewable Portfolio Standard (RPS) Charge Reconciliation	(\$28,680)	(\$31,613)	(\$34,895)	(\$31,343)	(\$29,762)	(\$26,535)	(\$182,827)
10	Total Costs	<u>\$153,280</u>	\$168,949	<u>\$215,094</u>	\$193,207	<u>\$183,462</u>	<u>\$163,570</u>	<u>\$1,077,561</u>
11	Reconciliation plus Total Costs (L.9 + L.10)	\$124,600	\$137,336	\$180,199	\$161,864	\$153, 700	\$137,035	\$894,734
12	kWh Purchases	66,740,691	73,565,609	81,203,115	72,938,785	69,259,531	61,749,587	425,457,318
13	Total, Before Losses (L.11 / L.12)	\$0.00187	\$0.00187	\$0.00222	\$0.00222	\$0.00222	\$0.00222	\$0.00210
14	Losses	<u>6.40%</u>	6.40%	6.40%	6.40%	6.40%	6.40%	<u>6.40%</u>
15	Total Retail Rate Variable RPS Charge	60.00100	#0 00100	#0.00 22 5	00.00005	00.00225	#0.00 22 5	
16	(L.13 * (1+L.14)) Total Retail Rate Fixed RPS Charge (L.13 * (1+L.14))	\$0.00199	\$0.00199	\$0.00236	\$0.00236	\$0.00236	\$0.00236	\$0.00224
17	Total Retail Rate Variable Default Service Charge (L.7 + L.15)	\$0.07260	\$0.07970	\$0.08818	\$0.08849	\$0.07552	\$0.07438	
18	Total Retail Rate Fixed Default Service Charge (L.8+L.16)	40101-00	4				7	\$0.08026
	Non-G1 Class Default Service:	May-12	<u>Jun-12</u>	As show Jul-12	n on Schedule LSI Aug-12	M-2, Page 1 Sep-12	Oct-12	Total
1	Non-G1 Class Default Service: Power Supply Charge Reconciliation	May-12 \$225,305	<u>Jun-12</u> \$273,597				Oct-12 \$257,083	<u>Total</u> \$1,596,962
1 2	Power Supply Charge			<u>Jul-12</u>	Aug-12	Sep-12		
	Power Supply Charge Reconciliation	\$225,305	\$273,597	<u>Jul-12</u> \$273,139	Aug-12 \$318,680	Sep-12 \$249,159	\$257,083	\$1,596,962
2	Power Supply Charge Reconciliation Total Costs	\$225,305 \$3,420,246	\$273,597 \$4,079,415	\$273,139 \$4,440,651	\$318,680 \$5,185,879	\$249,159 \$3,725,315	\$257,083 \$3,867,544	\$1,596,962 \$24,719,051
2	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2)	\$225,305 \$3,420,246 \$3,645,551	\$273,597 \$4,079,415 \$4,353,011	\$273,139 \$4,440,651 \$4,713,790	\$318,680 \$5,185,879 \$5,504,560	\$249,159 \$3,725,315 \$3,974,474	\$257,083 \$3,867,544 \$4,124,628	\$1,596,962 \$24,719,051 \$26,316,013
2 3 4 5	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases	\$225,305 \$3,420,246 \$3,645,551 58,363,921	\$273,597 \$4,079,415 \$4,353,011 70,873,661	\$273,139 \$4,440.651 \$4,713,790 70,755,027	\$318,680 \$5,185,879 \$5,504,560 \$2,552,369	\$249,159 \$3,725,315 \$3,974,474 64,543,305	\$257,083 \$3,867,544 \$4,124,628 66,595,980	\$1,596,962 \$24,719,051 \$26,316,013 413,684,262
2 3 4 5	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge	\$225,305 \$3,420,246 \$3,645,551 58,363,921 \$0.06246	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0.06142 6,40%	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6.40%	\$318,680 \$5,185,879 \$5,504,560 \$2,552,369 \$0.06668 6.40%	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158	\$257,083 \$3,867,544 \$4,124,628 66,595,980 \$0.06194 6.40%	\$1,596,962 <u>\$24,719,051</u> \$26,316,013 <u>413,684,262</u> \$0.06361
2 3 4 5 6 7	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge	\$225,305 \$3,420,246 \$3,645,551 58,363,921 \$0.06246	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0,06142	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662	\$18,680 \$5,185,879 \$5,504,560 \$2,552,369 \$0.06668	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158	\$257,083 \$3.867,544 \$4,124,628 66,595,980 \$0.06194	\$1,596,962 \$24,719.051 \$26,316,013 413,684,262 \$0.06361 6.40%
2 3 4 5 6 7	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6))	\$225,305 \$3,420,246 \$3,645,551 58,363,921 \$0.06246 6.40%	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0.06142 6,40%	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6.40%	\$318,680 \$5,185,879 \$5,504,560 \$2,552,369 \$0.06668 6.40%	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40%	\$257,083 \$3,867,544 \$4,124,628 66,595,980 \$0.06194 6.40%	\$1,596,962 <u>\$24,719,051</u> \$26,316,013 <u>413,684,262</u> \$0.06361
2 3 4 5 6 7	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge	\$225,305 \$3,420,246 \$3,645,551 58,363,921 \$0.06246 6.40%	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0.06142 6,40%	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6,40% \$0.07089	\$318,680 \$5,185,879 \$5,504,560 \$2,552,369 \$0.06668 6.40%	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40%	\$257,083 \$3,867,544 \$4,124,628 66,595,980 \$0.06194 6.40%	\$1,596,962 \$24,719.051 \$26,316,013 413,684,262 \$0.06361 6.40%
2 3 4 5 6 7 8	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge	\$225,305 \$3,420,246 \$3,645,551 58,363,921 \$0.06246 6,40% \$0.06646	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0.06142 6,40% \$0.06535	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6.40% \$0.07089	Aug-12 \$318,680 \$5,185,879 \$5,504,560 82,552,369 \$0.06668 6.40% \$0.07095	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40% \$0.06552	\$257,083 \$3,867,544 \$4,124,628 66,595,980 \$0.06194 6,40% \$0.06590	\$1,596,962 <u>\$24,719,051</u> \$26,316,013 <u>413,684,262</u> \$0.06361 <u>6.40%</u> \$0.06769
2 3 4 5 6 7 8	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation	\$225,305 \$3,420,246 \$3,645,551 58,363,921 \$0.06246 6,40% \$0.06646	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0.06142 6,40% \$0.06535	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6.40% \$0.07089	\$318,680 \$5,185,879 \$5,504,560 \$2,552,369 \$0.06668 6.40% \$0.07095	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40% \$0.06552	\$257,083 \$3.867,544 \$4,124,628 66,595,980 \$0.06194 6.40% \$0.06590	\$1,596,962 \$24.719,051 \$26,316,013 413,684,262 \$0.06361 6.40% \$0.06769
2 3 4 5 6 7 8	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs	\$225,305 \$3,420,246 \$3,645,551 \$8,363,921 \$0.06246 6.40% \$0.06646 (\$32,217) \$205,794	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0.06142 6,40% \$0.06535 (\$39,122) \$249,900	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6,40% \$0.07089 As show (\$39,057)	\$318,680 \$5,185,879 \$5,504,560 \$2,552,369 \$0.06668 6.40% \$0.07095 n on Schedule LS! (\$45,569) \$291,076	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40% \$0.06552 M-3, Page 1 (\$35,628) \$227,581	\$257,083 \$3,867,544 \$4,124,628 66,595,980 \$0.06194 6,40% \$0.06590 (\$36,761) \$234,817	\$1,596,962 \$24,719,051 \$26,316,013 413,684,262 \$0.06361 6,40% \$0.06769 (\$228,354) \$1,458,649
2 3 4 5 6 7 8 9 10 11 12	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.9 + L.10)	\$225,305 \$3,420,246 \$3,645,551 58,363,921 \$0.06246 6,40% \$0.06646 (\$32,217) \$205,794 \$173,577	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0.06142 6,40% \$0.06535 (\$39,122) \$249,900 \$210,778	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6.40% \$0.07089 As show (\$39,057) \$249,480 \$210,423	\$318,680 \$5,185,879 \$5,504,560 \$2,552,369 \$0.06668 6.40% \$0.07095 n on Schedule LSI (\$45,569) \$291,076 \$245,507	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40% \$0.06552 M-3, Page 1 (\$35,628) \$227,581 \$191,953	\$257,083 \$3.867,544 \$4,124,628 66,595,980 \$0.06194 6,40% \$0.06590 (\$36,761) \$234,817 \$198,056	\$1,596,962 \$24,719,051 \$26,316,013 413,684,262 \$0.06361 6.40% \$0.06769 (\$228,354) \$1,458,649 \$1,230,294
2 3 4 5 6 7 8 9 10 11 12 13	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.9 + L.10) kWh Purchases	\$225,305 \$3.420,246 \$3.645,551 58.363,921 \$0.06246 6.40% \$0.06646 (\$32,217) \$205,794 \$173,577 58.363,921	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0.06142 6,40% \$0.06535 (\$39,122) \$249,900 \$210,778 70,873,661	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6.40% \$0.07089 As show (\$39,057) \$249,480 \$210,423 70,755,027	Aug-12 \$318,680 \$5,185,879 \$5,504,560 82,552,369 \$0.06668 6.40% \$0.07095 n on Schedule LS! (\$45,569) \$291,076 \$245,507 82,552,369	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40% \$0.06552 M-3, Page 1 (\$35,628) \$227,581 \$191,953 64,543,305	\$257,083 \$3.867,544 \$4,124,628 66,595,980 \$0.06194 6.40% \$0.06590 (\$36,761) \$234,817 \$198,056 66,595,980	\$1,596,962 \$24,719,051 \$26,316,013 413,684,262 \$0.06361 6.40% \$0.06769 (\$228,354) \$1,458,649 \$1,230,294 413,684,262
2 3 4 5 6 7 8 9 10 11 12 13 14	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.9 + L.10) kWh Purchases Total, Before Losses (L.11 / L.12) Losses Total Retail Rate - Variable RPS Charge	\$225,305 \$3,420,246 \$3,645,551 58,363,921 \$0.06246 6,40% \$0.06646 (\$32,217) \$205,794 \$173,577 58,363,921 \$0.00297 6,40%	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0.06142 6,40% \$0.06535 (\$39,122) \$249,900 \$210,778 70,873,661 \$0.00297 6,40%	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6.40% \$0.07089 As show (\$39,057) \$249,480 \$210,423 70,755,027 \$0.00297 6.40%	Aug-12 \$318,680 \$5,185,879 \$5,504,560 82,552,369 \$0.06668 6.40% \$0.07095 n on Schedule LSI (\$45,569) \$291,076 \$245,507 82,552,369 \$0.00297 6.40%	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40% \$0.06552 M-3, Page 1 (\$35,628) \$227,581 \$191,953 64.543,305 \$0.00297 6.40%	\$257,083 \$3,867,544 \$4,124,628 66,595,980 \$0.06194 6,40% \$0.06590 (\$36,761) \$234,817 \$198,056 66,595,980 \$0.00297 6,40%	\$1,596,962 \$24,719,051 \$26,316,013 413,684,262 \$0.06361 6,40% \$0.06769 (\$228,354) \$1,458,649 \$1,230,294 413,684,262 \$0.00297
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5* (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5* (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.9 + L.10) kWh Purchases Total, Before Losses (L.11 / L.12) Losses	\$225,305 \$3,420,246 \$3,645,551 58,363,921 \$0.06246 6,40% \$0.06646 (\$32,217) \$205,794 \$173,577 58,363,921 \$0.00297	\$273,597 \$4,079,415 \$4,353,011 70.873,661 \$0.06142 6,40% \$0.06535 (\$39,122) \$249,900 \$210,778 70.873,661 \$0.00297	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6.40% \$0.07089 As show (\$39,057) \$249,480 \$210,423 70,755,027 \$0.00297	\$318,680 \$5,185,879 \$5,504,560 \$2,552,369 \$0.06668 6,40% \$0.07095 an on Schedule LSI (\$45,569) \$291,076 \$245,507 \$2,552,369 \$0.00297	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40% \$0.06552 M-3, Page 1 (\$35,628) \$227,581 \$191,953 64,543,305 \$0.00297	\$257,083 \$3.867,544 \$4,124,628 66.595,980 \$0.06194 6.40% \$0.06590 (\$36,761) \$234,817 \$198,056 66.595,980 \$0.00297	\$1,596,962 \$24,719,051 \$26,316,013 413,684,262 \$0.06361 6,40% \$0.06769 (\$228,354) \$1,458,649 \$1,230,294 413,684,262 \$0.00297
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.9 + L.10) kWh Purchases Total, Before Losses (L.11 / L.12) Losses Total Retail Rate - Variable RPS Charge (L.13 * (1+L.14)) Total Retail Rate - Fixed RPS Charge (L.13 * (1+L.14)) Total Retail Rate - Variable Default Service Charge (L.13 * (1+L.14))	\$225,305 \$3,420,246 \$3,645,551 \$8,363,921 \$0.06246 6,40% \$0.06646 (\$32,217) \$205,794 \$173,577 58,363,921 \$0.00297 6,40% \$0.00316	\$273,597 \$4.079,415 \$4,353,011 70,873,661 \$0.06142 6,40% \$0.06535 (\$39,122) \$249,900 \$210,778 70,873,661 \$0.00297 6,40% \$0.00316	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6.40% \$0.07089 As show (\$39,057) \$249,480 \$210,423 70,755,027 \$0.00297 6.40% \$0.00316	Aug-12 \$318,680 \$5,185,879 \$5,504,560 82,552,369 \$0.06668 6.40% \$0.07095 n on Schedule LSI (\$45,569) \$291,076 \$245,507 82,552,369 \$0.00297 6.40% \$0.00316	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40% \$0.06552 M-3, Page 1 (\$35,628) \$227,581 \$191,953 64,543,305 \$0.00297 6.40% \$0.00316	\$257,083 \$3.867,544 \$4,124,628 66,595,980 \$0.06194 6.40% \$0.06590 (\$36,761) \$234,817 \$198,056 66,595,980 \$0.00297 6.40% \$0.00316	\$1,596,962 \$24.719,051 \$26,316,013 413,684,262 \$0.06361 6.40% \$0.06769 (\$228,354) \$1,458,649 \$1,230,294 413,684,262 \$0.00297 6.40%
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.9 + L.10) kWh Purchases Total, Before Losses (L.11 / L.12) Losses Total Retail Rate - Variable RPS Charge (L.13 * (1+L.14)) Total Retail Rate - Fixed RPS Charge (L.13 * (1+L.14))	\$225,305 \$3,420,246 \$3,645,551 58,363,921 \$0.06246 6,40% \$0.06646 (\$32,217) \$205,794 \$173,577 58,363,921 \$0.00297 6,40%	\$273,597 \$4,079,415 \$4,353,011 70,873,661 \$0.06142 6,40% \$0.06535 (\$39,122) \$249,900 \$210,778 70,873,661 \$0.00297 6,40%	\$273,139 \$4,440,651 \$4,713,790 70,755,027 \$0.06662 6.40% \$0.07089 As show (\$39,057) \$249,480 \$210,423 70,755,027 \$0.00297 6.40%	Aug-12 \$318,680 \$5,185,879 \$5,504,560 82,552,369 \$0.06668 6.40% \$0.07095 n on Schedule LSI (\$45,569) \$291,076 \$245,507 82,552,369 \$0.00297 6.40%	\$249,159 \$3,725,315 \$3,974,474 64,543,305 \$0.06158 6.40% \$0.06552 M-3, Page 1 (\$35,628) \$227,581 \$191,953 64.543,305 \$0.00297 6.40%	\$257,083 \$3,867,544 \$4,124,628 66,595,980 \$0.06194 6,40% \$0.06590 (\$36,761) \$234,817 \$198,056 66,595,980 \$0.00297 6,40%	\$1,596,962 \$24.719,051 \$26,316,013 413,684,262 \$0.06361 6.40% \$0.06769 (\$228,354) \$1,458,649 \$1,230,294 413,684,262 \$0.00297 6.40%

Authorized by NHPUC Order No. 25,269 in Case No. DE 12-003 11-028, dated September 16, 2011

CALCULATION OF THE DEFAULT SERVICE CHARGE

						As shown on Schedule LSM-4, Page 1				
	G1 Class Default Service:	<u>Feb-12</u>	<u>Mar-12</u>	<u>Apr-12</u>	<u>Total</u>	<u>May-12</u>	<u>Jun-12</u>	<u>Jul-12</u>	Total	
	Power Supply Charge									
1	Reconciliation	(\$1,153)	(\$1,116)	(\$1,171)	(\$3,440)	(\$26,711)	(\$27,290)	(\$31,916)	(\$85,917)	
2	Total Costs	<u>\$316,776</u>	<u>\$305,122</u>	<u>\$322,442</u>	<u>\$944,341</u>	\$252,575	\$240,687	\$284,624	<u>\$777,885</u>	
3	Reconciliation plus Total Costs (L.1 + L.2)	\$315,623	\$304,006	\$321,272	\$940,901	\$225,863	\$213,397	\$252,708	\$691,968	
4	kWh Purchases	5,208,172	5,042,260	5,289,117	15,539,549	5,490,937	5,609,892	6,560,900	17,661,729	
5	Total, Before Losses (L.3 / L.4)	\$0.06060	\$0.06029	\$0.06074		\$0.04113	\$0.03804	\$0.03852		
6	Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>		4.591%	4.591%	4.591%		
7	Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6))	\$0.06338	\$0.06306	\$0.06353		\$0.04302	\$0.03979	\$0.04029		
	Renewable Portfolio Standard (RPS) Charge					Α	s shown on Sche	odule I SM-5 Pa	ge 1	
8	Reconciliation Standard (NES) Charge	\$3,560	\$3,446	\$3,615	\$10,621	(\$8,950)	(\$9,144)	(\$10,694)	(\$28,788)	
9	Total Costs	<u>\$15,900</u>	<u>\$15,394</u>	<u>\$16,147</u>	<u>\$47,441</u>	\$19,700	\$20,127	\$23,539	<u>\$63,367</u>	
10	Reconciliation plus Total Costs (L.8 + L.9)	\$19,460	\$18,840	\$19,762	\$58,062	\$10,750	\$10,983	\$12,845	\$34,579	
11	kWh Purchases	<u>5,208,172</u>	5,042,260	5,289,117	15,539,549	5,490,937	5,609,892	6,560,900	17,661,729	
12	Total, Before Losses (L.10 / L.11)	\$0.00374	\$0.00374	\$0.00374		\$0.00196	\$0.00196	\$0.00196		
13	Losses	<u>4.591%</u>	4.591%	4.591%		4.591%	4.591%	4.591%		
14	Total Retail Rate - Variable RPS Charge (L.12 * (1+L.13))	\$0.00391	\$0.00391	\$0.00391		\$0.00205	\$0.00205	\$0.00205		
15	Total Retail Rate - Variable Default Service Charge (L.7 + L.14)	\$ 0.06729	\$0.06697	\$0.06744		\$0.04507	\$0.04184	\$0.04234		

Authorized by NHPUC Order No. 25,303 in Case No. DE 12-003 11-028, dated December 15, 2011

Issued: March 9, 2012December 9, 2011 Effective: MayFebruary 1, 2012 Issued By: Mark H. Collin Treasurer NHPUC No. 3 - Electricity Delivery Unitil Energy Systems, Inc.

ThirdSecond Revised Page 108
Superseding SecondFirst Revised Page 108

RENEWABLE SOURCE OPTION

SCHEDULE RSO (I)

AVAILABILITY

The Renewable Source Option ("RSO") shall be available to all Domestic and Regular General Service customers who are taking Default Service from the Company except for those who are enrolled in the Residential Low-Income Electric Assistance Program or have been approved to receive electric service payment assistance through the Fuel Assistance Program administered by a Community Action Agency. This option is not applicable to outdoor lighting kilowatt-hour usage of Customers taking service under the Company's Outdoor Lighting Service delivery schedule.

RSO is an optional energy attribute service that allows customers to financially support renewable generation resources and technologies. Revenue received under the RSO will be used to purchase and retire Renewable Energy Certificates (RECs) produced by generation resources qualified by the NHPUC under New Hampshire Code of Administrative Rules, Chapter PUC 2500 (Chapter 2500 Rule) to produce Class I and Class II RECs, or to make alternative compliance payments to the Renewable Energy Trust (RET). Class I and Class II RECs will be purchased and retired, or payments made to the RET, according to the kilowatt-hour usage of customers opting to support this service, the percentage associated with the Renewable Source Option they choose, and the relative percentage of Class I and Class II minimum electric renewable portfolio standards pursuant to Table 2500.01 of the Chapter 2500 Rule.

Customers may choose one of three service options:

100% Renewable Source Option	The Company will purchase and retire Class I and
	Class II Renewable Energy Credits to match the
	Customer's total kilowatt-hour usage.
50% Renewable Source Option	The Company will purchase and retire Class I and
	Class II Renewable Energy Credits to match 50% of
	the Customer's total kilowatt-hour usage.
25% Renewable Source Option	The Company will purchase and retire Class I and
	Class II Renewable Energy Credits to match 25% of
	the Customer's total kilowatt-hour usage.

RENEWABLE SOURCE OPTION CHARGE

The Renewable Source Option Charges ("RSOC") for Customers opting to participate in the RSO are as follows:

100% Renewable Source Option	\$0.0 2898 4857 per kilowatt-hour
50% Renewable Source Option	\$0.0 1449 2429 per kilowatt-hour
25% Renewable Source Option	\$0.0 0725 1214 per kilowatt-hour

RENEWABLE SOURCE OPTION CHARGE RECONCILIATION

The RSOC shall be established biannually, for effect May 1 and November 1, or will otherwise coincide with Default Energy Service rate changes for the Company's Domestic and Regular

Authorized by NHPUC Order No. 25,269 in Case No. DE 12-003-11-028 dated September 16, 2011

Issued: MarchSeptember 9, 20121 Issued by: Mark H. Collin Effective: MayNovember 1, 20121 Treasurer

1	Reconciliation (1)	May-12 <u>Estimated</u> \$225,305	Jun-12 <u>Estimated</u> \$273,597	Jul-12 <u>Estimated</u> \$273,139	Aug-12 Estimated \$318,680	Sep-12 <u>Estimated</u> \$249,159	Oct-12 <u>Estimated</u> \$257,083	<u>Total</u> \$1,596,962
2	Total Costs (Page 2)	<u>\$3,420,246</u>	<u>\$4,079,415</u>	<u>\$4,440,651</u>	<u>\$5,185,879</u>	<u>\$3,725,315</u>	<u>\$3,867,544</u>	<u>\$24,719,051</u>
3	Reconciliation plus Total Costs (L.1 + L.2)	\$3,645,551	\$4,353,011	\$4,713,790	\$5,504,560	\$3,974,474	\$4,124,628	\$26,316,013
4	kWh Purchases	58,363,921	70,873,661	70,755,027	82,552,369	64,543,305	66,595,980	413,684,262
5	Total, Before Losses (L.3 / L.4)	\$0.06246	\$0.06142	\$0.06662	\$0.06668	\$0.06158	\$0.06194	\$0.06361
6	Losses	6.40%	<u>6.40%</u>	6.40%	6.40%	6.40%	6.40%	<u>6.40%</u>
7 8	Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6))	\$0.06646	\$0.06535	\$0.07089	\$0.07095	\$0.06552	\$0.06590	\$0.06769

(1) Balance as of January 31, 2012 modified, as detailed below, to reflect that current rates (through April 30, 2012) include a charge for the undercollection as of January 31, 2011. Amount is further modified to remove the remainder of Smart Grid expenses (amounts not yet collected) in order to recover over the period May-October 2012. The figure is then allocated between rate periods (May-October 2012 and November 2012-April 2013) with remaining Smart Grid expenses added to May-October 2012, and then to each month, May through October 2012, on equal per kWh basis.

а	January 31, 2012 actual balance - Schedule LSM-2, Page 2		\$3,305,171	
b	less: Estimated remaining prior period reconciliation - Feb, Mar, Apr 2	2012		
С	Estimated kWh Sale	s Feb-Apr 2012	190,288,838	
d	Amount of reconciliation	n in current rate	\$0.00189	
е	Estimated amount of reconciliation	- Feb-Apr 2012	\$359,646	
f	less: Smart Grid expenses through Jan 2012 less amount included in	\$246,642		
g	Reconciliation for May 1, 2012-Apr 30, 2013 (not including remaining	\$2,698,883		
h	Total Smart Grid Expenses per DE 09-137		\$419,934	
i	Smart Grid expenses included in Non-G1 default service rates Nov 20	011-Apr 2012	<u>\$166,206</u>	
j	Smart Grid expenses to recover May 2012-Oct 2012 (line h-line i)		\$253,728	
k	kWh purchases forecast May-October 2012		413,684,262	49.77%
1	kWh purchases forecast November 2012-April 2013		417,463,731	50.23%
m	Total		831,147,993	
n	Reconciliation amount for May-October 2012	(line g * line k%) + line j	\$1,596,962	
0	Reconciliation amount for November 2012-April 2013	(line g * line l%)	\$1,355,649	
р	Total	(line n + line o)	\$2,952,611	

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
				Ending Balance			Number of		
		Total Costs	Total Revenue	Before Interest	Average Monthly	Interest	Days /	Computed	Ending Balance with
	Beginning Balance	(Page 3)	(Page 4)	(a + b - c)	Balance ((a+d) / 2)	Rate	Month	Interest	Interest (d + h)
Feb-11	\$1,239,132	\$5,243,126	\$4,789,886	\$1,692,372	\$1,465,752	3.25%	28	\$3,654	\$1,696,026
Mar-11	\$1,696,026	\$4,972,219	\$5,700,779	\$967,466	\$1,331,746	3.25%	31	\$3,676	\$971,142
Apr-11	\$971,142	\$4,316,318	\$4,027,498	\$1,259,963	\$1,115,553	3.25%	30	\$2,980	\$1,262,943
May-11	\$1,262,943	\$3,497,252	\$3,926,309	\$833,886	\$1,048,414	3.25%	31	\$2,894	\$836,780
Jun-11	\$836,780	\$4,549,863	\$3,394,030	\$1,992,613	\$1,414,697	3.25%	30	\$3,779	\$1,996,392
Jul-11	\$1,996,392	\$5,790,052	\$5,883,082	\$1,903,363	\$1,949,878	3.25%	31	\$5,382	\$1,908,745
Aug-11	\$1,908,745	\$5,486,108	\$3,694,498	\$3,700,355	\$2,804,550	3.25%	31	\$178,826 (1)	\$3,879,181
Sep-11	\$3,879,181	\$3,844,244	\$4,324,576	\$3,398,850	\$3,639,016	3.25%	30	\$9,721	\$3,408,570
Oct-11	\$3,408,570	\$3,765,651	\$4,062,970	\$3,111,251	\$3,259,911	3.25%	31	\$8,998	\$3,120,250
Nov-11	\$3,120,250	\$3,968,932	\$4,057,410	\$3,031,772	\$3,076,011	3.25%	30	\$8,217	\$3,039,989
Dec-11	\$3,039,989	\$5,026,773	\$5,146,450	\$2,920,312	\$2,980,150	3.25%	31	\$8,226	\$2,928,538
Jan-12	\$2,928,538	\$5,731,596	\$5,363,531	\$3,296,603	\$3,112,570	3.25%	31	<u>\$8,568</u>	\$3,305,171
Total		\$56,192,135	\$54,371,018					\$244,921	

⁽¹⁾ Includes \$172,675.60 related to customer billing adjustment.

Calculation of Working Capital

			Supplie	er Charges and							
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Total Non-G1			Working		Supply	Provision	Internal			
	Class DS	GIS	Number of	Capital		Related	for	Company		Consulting	Total Costs
	Supplier	Support	Days of Lag /	Requirement		Working	Uncollected	Administrative		Outside Service	(sum a + b + f +
	Charges (1)	Payments	365	((a+b)*c)	Prime Rate	Capital (d * e)	Accounts	Costs	Legal Charges	Charges	g + h + i + j)
F.1. 44	#5.440.000	# 0.40	4.000/	#004.000	0.050/	#7.004	#40.000	#4.000	Φ0	# 40.005	ΦE 0.40.400
Feb-11	\$5,149,283	\$643	4.36%	\$224,339	3.25%	\$7,291	\$43,006	\$1,999	\$0	\$40,905	\$5,243,126
Mar-11	\$4,937,013	\$650	4.36%	\$215,093	3.25%	\$6,991	\$18,746	\$1,999	\$0	\$6,820	\$4,972,219
Apr-11	\$4,218,507	\$561	4.36%	\$183,790	3.25%	\$5,973	\$66,892	\$1,999	\$755	\$21,631	\$4,316,318
May-11	\$3,390,536	\$600	6.05%	\$205,141	3.25%	\$6,667	\$50,113	\$1,999	\$0	\$47,336	\$3,497,252
Jun-11	\$4,435,027	\$504	6.05%	\$268,319	3.25%	\$8,720	\$58,436	\$1,999	\$0	\$45,177	\$4,549,863
Jul-11	\$5,670,122	\$507	6.05%	\$343,034	3.25%	\$11,149	\$50,374	\$1,999	\$0	\$55,901	\$5,790,052
Aug-11	\$5,393,329	\$774	6.05%	\$326,306	3.25%	\$10,605	\$64,567	\$1,999	\$0	\$14,834	\$5,486,108
Sep-11	\$3,777,506	\$700	6.05%	\$228,556	3.25%	\$7,428	\$44,688	\$1,999	\$0	\$11,922	\$3,844,244
Oct-11	\$3,700,674	\$627	6.05%	\$223,903	3.25%	\$7,277	\$37,431	\$1,999	\$0	\$17,643	\$3,765,651
Nov-11	\$3,902,249	\$553	6.05%	\$236,093	3.25%	\$7,673	\$55,248	\$2,069	\$0	\$1,141	\$3,968,932
Dec-11	\$4,967,639	\$500	6.05%	\$300,538	3.25%	\$9,767	\$13,488	\$2,069	\$0	\$33,309	\$5,026,773
Jan-12	\$5,675,626	<u>\$523</u>	6.05%	\$343,368	3.25%	\$11,159	<u>\$37,868</u>	<u>\$2,069</u>	<u>(\$519)</u>	<u>\$4,870</u>	\$5,731,596
Total	\$55,217,511	\$7,141				\$100,701	\$540,858	\$24,200	\$235	\$301,488	\$56,192,135

	(a) Total Non-G1	(b)	(c)	(d)	(e) Non-G1 Class	(f)	(g) Total Billed Non-	(h)
	Class Billed		Non-G1 Class	Effective Fixed	Unbilled Power	Reversal of	G1 Class Power	
	Default Service	Unbilled Factor	Unbilled kWh	Power Supply	Supply Charge	prior month	Supply Charge	Total Revenue
	kWh (1)	(2)	(a * b)	Charge	Revenue (c * d)	unbilled	Revenue (1)	(e + f + g)
					•			
Feb-11	68,567,125	45.23%	31,011,033	\$0.07686	\$2,383,508	(\$2,871,928)	\$5,278,306	\$4,789,886
Mar-11	62,137,929	69.22%	43,009,697	\$0.07686	\$3,305,725	(\$2,383,508)	\$4,778,562	\$5,700,779
Apr-11	59,671,105	59.94%	35,767,955	\$0.07686	\$2,749,125	(\$3,305,725)	\$4,584,098	\$4,027,498
May-11	52,108,888	75.96%	39,581,605	\$0.07094	\$2,807,919	(\$2,749,125)	\$3,867,515	\$3,926,309
Jun-11	57,729,971	51.51%	29,739,033	\$0.07094	\$2,109,687	(\$2,807,919)	\$4,092,262	\$3,394,030
Jul-11	71,072,368	58.52%	41,592,239	\$0.07094	\$2,950,553	(\$2,109,687)	\$5,042,215	\$5,883,082
Aug-11	73,381,981	49.79%	36,537,814	\$0.07094	\$2,591,993	(\$2,950,553)	\$4,053,059 (3)	\$3,694,498
Sep-11	68,146,795	43.05%	29,335,591	\$0.07094	\$2,081,067	(\$2,591,993)	\$4,835,502	\$4,324,576
Oct-11	55,076,892	57.30%	31,556,350	\$0.07094	\$2,238,607	(\$2,081,067)	\$3,905,429	\$4,062,970
Nov-11	55,717,396	49.98%	27,849,670	\$0.07802	\$2,172,831	(\$2,238,607)	\$4,123,186	\$4,057,410
Dec-11	59,037,815	59.02%	34,843,228	\$0.07802	\$2,718,469	(\$2,172,831)	\$4,600,812	\$5,146,450
Jan-12	69,037,974	49.98%	34,502,251	\$0.07802	\$2,691,866	(\$2,718,469)	\$5,390,134	\$5,363,531
Total	751,686,240				\$30,801,350	(\$30,981,413)	\$54,551,080	\$54,371,018

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

	Direct	
Billed	Estimate of	Unbilled kWh /
kWh	Unbilled kWh	Billed kWh
77,003,275	34,826,473	45.23%
71,008,038	49,149,276	69.22%
68,387,908	40,992,967	59.94%
60,153,066	45,691,915	75.96%
66,491,391	34,252,385	51.51%
81,000,164	47,402,082	58.52%
83,036,865	41,345,102	49.79%
77,812,291	33,496,359	43.05%
63,636,811	36,460,762	57.30%
64,142,427	32,060,820	49.98%
67,209,234	39,665,876	59.02%
78,432,275	39,197,125	49.98%
	kWh 77,003,275 71,008,038 68,387,908 60,153,066 66,491,391 81,000,164 83,036,865 77,812,291 63,636,811 64,142,427 67,209,234	Billed kWh Unbilled kWh 77,003,275 34,826,473 71,008,038 49,149,276 68,387,908 40,992,967 60,153,066 45,691,915 66,491,391 34,252,385 81,000,164 47,402,082 83,036,865 41,345,102 77,812,291 33,496,359 63,636,811 36,460,762 64,142,427 32,060,820 67,209,234 39,665,876

⁽³⁾ Includes (\$1,152,493.18) customer billing adjustment.

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

Calculation of Working Capital

			Supplie	er Charges and	GIS Support F	Payments					
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Total Non-G1			Working		Supply	Provision	Internal			
	Class DS	GIS	Number of	Capital		Related	for	Company		Consulting	Total Costs
	Supplier	Support	Days of Lag /	Requirement		Working	Uncollected	Administrative		Outside Service	e (sum a + b + f +
	Charges (1)	Payments	365	((a+b)*c)	Prime Rate	Capital (d * e)	Accounts	Costs	Legal Charges	Charges	g + h + i + j)
May-12	\$3,341,312	\$524	5.94%	\$198,587	3.25%	\$6,454	\$69,888	\$2,069	\$0	\$0	\$3,420,246
Jun-12	\$3,992,250	\$508	5.94%	\$237,268	3.25%	\$7,711	\$76,877	\$2,069	\$0	\$0	\$4,079,415
Jul-12	\$4,352,681	\$617	5.94%	\$258,693	3.25%	\$8,408	\$76,877	\$2,069	\$0	\$0	\$4,440,651
Aug-12	\$5,096,474	\$616	5.94%	\$302,893	3.25%	\$9,844	\$76,877	\$2,069	\$0	\$0	\$5,185,879
Sep-12	\$3,652,573	\$718	5.94%	\$217,096	3.25%	\$7,056	\$62,899	\$2,069	\$0	\$0	\$3,725,315
Oct-12	\$3,808,636	<u>\$562</u>	5.94%	\$226,360	3.25%	\$7,357	\$48,922	\$2,069	<u>\$0</u>	<u>\$0</u>	\$3,867,544
Total	\$24,243,926	\$3,544		\$1,440,898		\$46,829	\$412,339	\$12,413	\$0	\$0	\$24,719,051

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

1	Reconciliation	May-12 Estimated (\$32,217)	Jun-12 Estimated (\$39,122)	Jul-12 Estimated (\$39.057)	Aug-12 Estimated (\$45,569)	Sep-12 Estimated (\$35,628)	Oct-12 Estimated (\$36,761)	<u>Total</u> (\$228,354)
•		, , ,	,	(, , ,	(, , ,	,	,	,
2	Total Costs (Page 2)	<u>\$205,794</u>	<u>\$249,900</u>	<u>\$249,480</u>	<u>\$291,076</u>	<u>\$227,581</u>	<u>\$234,817</u>	<u>\$1,458,649</u>
3	Reconciliation plus Total Costs (L.1 + L.2)	\$173,577	\$210,778	\$210,423	\$245,507	\$191,953	\$198,056	\$1,230,294
4	kWh Purchases	58,363,921	70,873,661	70,755,027	82,552,369	64,543,305	66,595,980	413,684,262
5	Total, Before Losses (L.3 / L.4)	\$0.00297	\$0.00297	\$0.00297	\$0.00297	\$0.00297	\$0.00297	\$0.00297
6	Losses	<u>6.40%</u>	<u>6.40%</u>	<u>6.40%</u>	6.40%	6.40%	6.40%	6.40%
7 8	Total Retail Rate - Variable RPS Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed RPS Charge (L.5 * (1+L.6))	\$0.00316	\$0.00316	\$0.00316	\$0.00316	\$0.00316	\$0.00316	\$0.00316

⁽¹⁾ Balance as of January 31, 2012 modified, as detailed below, to reflect that current rates (through April 30, 2012) include a credit for the overcollection as of January 31, 2011 and to reflect accruals for RPS. Figure is then allocated between rate periods (May-October 2012 and November 2012-April 2013) and then to each month, May through October 2012, on equal per kWh basis.

January 31, 2012 actual balance - Schedule LSM-3, Page 2	(\$2,288,501)	
less: Estimated remaining prior period reconciliation - Feb, Mar, Apr 2012		
Estimated kWh Sales Feb-Apr 2012	190,288,838	
Amount of reconciliation in current rate	<u>(\$0.00046)</u>	
Estimated amount of reconciliation - Feb-Apr 2012	(\$87,533)	
plus: Non-G1 Class RPS amounts included in rate filings, Feb 2011-Jan 2012	\$1,908,489	
less: Non-G1 Class RPS amounts, CY 2011 requirement, purchased	\$166,339	
Net Non-G1 Class RPS amounts included in rate filings, Feb 2011-Jan 2012	\$1,742,150	
Total reconciliation for May 1, 2012-April 30, 2013	(\$458,819)	
kWh purchases forecast May-October 2012	413,684,262	49.77%
kWh purchases forecast November 2012-April 2013	417,463,731	50.23%
Total	831,147,993	
Reconciliation amount for May-October 2012	(\$228,354)	
Reconciliation amount for November 2012-April 2013	(\$230,465)	
Total	(\$458,819)	
1000	(\$\pi 00,010)	

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
				Ending Balance			Number of		
		Total Costs	Total Revenue	Before Interest	Average Monthly	Interest	Days /	Computed	Ending Balance with
	Beginning Balance	(Page 3)	(Page 4)	(a + b - c)	Balance ((a+d) / 2)	Rate	Month	Interest	Interest (d + h)
Feb-11	(\$1,980,443)	\$205,415	\$132,720	(\$1,907,748)	(\$1,944,096)	3.25%	28	(\$4,847)	(\$1,912,595)
Mar-11	(\$1,912,595)	\$68,927	\$158,047	(\$2,001,715)	(\$1,957,155)	3.25%	31	(\$5,402)	(\$2,007,117)
Apr-11	(\$2,007,117)	\$13,515	\$111,814	(\$2,105,416)	(\$2,056,266)	3.25%	30	(\$5,493)	(\$2,110,908)
May-11	(\$2,110,908)	\$666,560	\$98,574	(\$1,542,923)	(\$1,826,916)	3.25%	31	(\$5,043)	(\$1,547,966)
Jun-11	(\$1,547,966)	\$127,022	\$86,211	(\$1,507,155)	(\$1,527,560)	3.25%	30	(\$4,080)	(\$1,511,235)
Jul-11	(\$1,511,235)	\$0	\$149,275	(\$1,660,510)	(\$1,585,873)	3.25%	31	(\$4,377)	(\$1,664,888)
Aug-11	(\$1,664,888)	\$0	\$122,989	(\$1,787,877)	(\$1,726,382)	3.25%	31	(\$4,765)	(\$1,792,642)
Sep-11	(\$1,792,642)	\$0	\$109,680	(\$1,902,322)	(\$1,847,482)	3.25%	30	(\$4,935)	(\$1,907,257)
Oct-11	(\$1,907,257)	\$151,810	\$103,145	(\$1,858,593)	(\$1,882,925)	3.25%	31	(\$5,197)	(\$1,863,790)
Nov-11	(\$1,863,790)	\$0	\$116,647	(\$1,980,437)	(\$1,922,114)	3.25%	30	(\$5,134)	(\$1,985,572)
Dec-11	(\$1,985,572)	\$3,607	\$147,603	(\$2,129,568)	(\$2,057,570)	3.25%	31	(\$5,679)	(\$2,135,247)
Jan-12	(\$2,135,247)	\$6,58 <u>5</u>	\$153,759	(\$2,282,421)	(\$2,208,834)	3.25%	31	<u>(\$6,080)</u>	(\$2,288,501)
Total		\$1,243,441	\$1,490,464					(\$61,035)	

	(a)	(b)	(c)	(d)	(e)	(f)
			Working			
		Number of	Capital			
	Renewable Energy Credits	Days of Lag /	Requirement		Supply Related Working	
-	(1)	365	(a*b)	Prime Rate	Capital (c * d)	Total Costs (sum a + e)
Feb-11	\$211,085	(82.65%)	(\$174,460)	3.25%	(\$5,670)	\$205,415
Mar-11	\$70,829	(82.65%)	(\$58,540)	3.25%	(\$1,903)	\$68,927
Apr-11	\$13,888	(82.65%)	(\$11,478)	3.25%	(\$373)	\$13,515
May-11	\$684,405	(80.23%)	(\$549,080)	3.25%	(\$17,845)	\$666,560
Jun-11	\$130,423	(80.23%)	(\$104,635)	3.25%	(\$3,401)	\$127,022
Jul-11	\$0	(80.23%)	\$0	3.25%	\$0	\$0
Aug-11	\$0	(80.23%)	\$0	3.25%	\$0	\$0
Sep-11	\$0	(80.23%)	\$0	3.25%	\$0	\$0
Oct-11	\$155,874	(80.23%)	(\$125,054)	3.25%	(\$4,064)	\$151,810
Nov-11	\$0	(80.23%)	\$0	3.25%	\$0	\$0
Dec-11	\$3,703	(80.23%)	(\$2,971)	3.25%	(\$97)	\$3,607
Jan-12	<u>\$6,761</u>	(80.23%)	(\$5,424)	3.25%	<u>(\$176)</u>	<u>\$6,585</u>
Total	\$1,276,969		(\$1,031,643)		(\$33,528)	\$1,243,441

	(a) Total Non-G1 Class Billed	(b)	(c) Non-G1 Class	(d)	(e) Non-G1 Class Unbilled RPS	(f) Reversal of	(g) Total Billed Non- G1 Class RPS	(h)
	Default Service	Unbilled Factor	Unbilled kWh	Effective Fixed	Charge Revenue	prior month	Charge Revenue	Total Revenue
	kWh (1)	(2)	(a * b)	RPS Charge	(c * d)	unbilled	(1)	(e + f + g)
Feb-11	68,567,125	45.23%	31,011,033	\$0.00213	\$66,054	(\$79,589)	\$146,255	\$132,720
Mar-11	62,137,929	69.22%	43,009,697	\$0.00213	\$91,611	(\$66,054)	\$132,489	\$158,047
Apr-11	59,671,105	59.94%	35,767,955	\$0.00213	\$76,186	(\$91,611)	\$127,239	\$111,814
May-11	52,108,888	75.96%	39,581,605	\$0.00180	\$71,247	(\$76,186)	\$103,513	\$98,574
Jun-11	57,729,971	51.51%	29,739,033	\$0.00180	\$53,530	(\$71,247)	\$103,928	\$86,211
Jul-11	71,072,368	58.52%	41,592,239	\$0.00180	\$74,866	(\$53,530)	\$127,939	\$149,275
Aug-11	73,381,981	49.79%	36,537,814	\$0.00180	\$65,768	(\$74,866)	\$132,087	\$122,989
Sep-11	68,146,795	43.05%	29,335,591	\$0.00180	\$52,804	(\$65,768)	\$122,644	\$109,680
Oct-11	55,076,892	57.30%	31,556,350	\$0.00180	\$56,801	(\$52,804)	\$99,148	\$103,145
Nov-11	55,717,396	49.98%	27,849,670	\$0.00224	\$62,383	(\$56,801)	\$111,066	\$116,647
Dec-11	59,037,815	59.02%	34,843,228	\$0.00224	\$78,049	(\$62,383)	\$131,937	\$147,603
Jan-12	69,037,974	49.98%	34,502,251	\$0.00224	<u>\$77,285</u>	<u>(\$78,049)</u>	<u>\$154,523</u>	\$153,759
Total	751,686,240				\$826,584	(\$828,888)	\$1,492,768	\$1,490,464

⁽¹⁾ Per billing system

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

		Direct	
	Billed	Estimate of	Unbilled kWh /
	kWh	Unbilled kWh	Billed kWh
Feb-11	77,003,275	34,826,473	45.23%
Mar-11	71,008,038	49,149,276	69.22%
Apr-11	68,387,908	40,992,967	59.94%
May-11	60,153,066	45,691,915	75.96%
Jun-11	66,491,391	34,252,385	51.51%
Jul-11	81,000,164	47,402,082	58.52%
Aug-11	83,036,865	41,345,102	49.79%
Sep-11	77,812,291	33,496,359	43.05%
Oct-11	63,636,811	36,460,762	57.30%
Nov-11	64,142,427	32,060,820	49.98%
Dec-11	67,209,234	39,665,876	59.02%
Jan-12	78,432,275	39,197,125	49.98%

			Calculati	Capital		
	(a)	(b)	(c)	(d)	(e)	(f)
			Working			
		Number of	Capital			
	Renewable Energy Credits	Days of Lag /	Requirement		Supply Related Working	
_	(1)	365	(a*b)	Prime Rate	Capital (c * d)	Total Costs (sum a + e)
May-12	\$210,850	(73.78%)	(\$155,561)	3.25%	(\$5,056)	\$205,794
Jun-12	\$256,040	(73.78%)	(\$188,901)	3.25%	(\$6,139)	\$249,900
Jul-12	\$255,609	(73.78%)	(\$188,583)	3.25%	(\$6,129)	\$249,480
Aug-12	\$298,227	(73.78%)	(\$220,026)	3.25%	(\$7,151)	\$291,076
Sep-12	\$233,172	(73.78%)	(\$172,030)	3.25%	(\$5,591)	\$227,581
Oct-12	<u>\$240,586</u>	(73.78%)	(\$177,500)	3.25%	<u>(\$5,769)</u>	<u>\$234,817</u>
Total	\$1,494,483		(\$1,102,601)		(\$35,835)	\$1,458,649

⁽¹⁾ Schedule TMB-4.

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

1	Reconciliation (1)	May-12 Estimated (\$26,711)	Jun-12 <u>Estimated</u> (\$27,290)	Jul-12 Estimated (\$31,916)	<u>Total</u> (\$85,917)
'	Reconclination (1)	(Φ20,711)	(\$27,290)	(\$31,910)	(\$65,917)
2	Total Costs (Page 2)	<u>\$252,575</u>	\$240,687	\$284,624	<u>\$777,885</u>
3	Reconciliation plus Total Costs (L.1 + L.2)	\$225,863	\$213,397	\$252,708	\$691,968
4	kWh Purchases	5,490,937	5,609,892	6,560,900	17,661,729
5	Total, Before Losses (L.3 / L.4)	\$0.04113	\$0.03804	\$0.03852	
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))	\$0.04302	\$0.03979	\$0.04029	

(1) Balance as of January 31, 2012 modified, as detailed below, to reflect that current rates (through April 30, 2012) include a credit for the overcollection as of January 31, 2011 Figure is then allocated between rate periods (May-July 2012, August-October 2012, November 2012-January 2013, and February-April 2013) and then to each month, May through July 2012, on equal per kWh basis.

January 31, 2012	actual balance - Schedule LSM-4, Page 2	(\$326,008)	
less: Estimated re	emaining credit for January 31, 2011 reconciliation - Feb, Mar, Apr 2012		
	Estimated kWh Sales February-April 2012	14,957,783	
	Amount of reconciliation in current rate	<u>(\$0.00023)</u>	
	Estimated amount of reconciliation to be credited Feb-Apr 2012	(\$3,440)	
Total reconciliation	n for May 1, 2012-April 30, 2013	(\$322,568)	
kWh purchases fo	precast May-July 2012	17,661,729	26.64%
kWh purchases for	precast August-October 2012	17,411,442	26.26%
kWh purchases for	precast November 2012-January 2013	15,828,284	23.87%
kWh purchases for	precast February-April 2013	<u>15,407,993</u>	23.24%
Total		66,309,449	
Reconciliation am	ount for May-July 2012	(\$85,917)	
Reconciliation am	ount for August-October 2012	(\$84,700)	
Reconciliation am	ount for November 2012-January 2013	(\$76,998)	
Reconciliation am	ount for February-April 2013	(\$74,953)	
Total	•	(\$322,568)	

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

	(a)	(b)	(c)	(d) Ending	(e)	(f)	(g)	(h)	(i)
				Balance	Average				
				Before	Monthly				Ending Balance
	Beginning	Total Costs (Page	Total Revenue	Interest	Balance		Number of	Computed	with Interest (d
	Balance	3)	(Page 4)	(a + b - c)	((a+d) / 2)	Interest Rate	Days / Month	Interest	+ h)
Feb-11	(\$22,192)	\$294,761	\$311,808	(\$39,239)	(\$30,716)	3.25%	28	(\$77)	(\$39,316)
Mar-11	(\$39,316)	\$297,688	\$370,590	(\$112,217)	(\$75,766)	3.25%	31	(\$209)	(\$112,426)
Apr-11	(\$112,426)	\$277,817	\$310,689	(\$145,298)	(\$128,862)	3.25%	30	(\$344)	(\$145,643)
May-11	(\$145,643)	\$267,243	\$347,321	(\$225,721)	(\$185,682)	3.25%	31	(\$513)	(\$226,233)
Jun-11	(\$226,233)	\$322,976	\$284,524	(\$187,781)	(\$207,007)	3.25%	30	(\$553)	(\$188,334)
Jul-11	(\$188,334)	\$326,933	\$369,096	(\$230,497)	(\$209,415)	3.25%	31	(\$578)	(\$231,075)
Aug-11	(\$231,075)	\$359,505	\$445,367	(\$316,936)	(\$274,006)	3.25%	31	(\$756)	(\$317,693)
Sep-11	(\$317,693)	\$369,136	\$375,070	(\$323,626)	(\$320,659)	3.25%	30	(\$857)	(\$324,482)
Oct-11	(\$324,482)	\$300,731	\$330,854	(\$354,606)	(\$339,544)	3.25%	31	(\$937)	(\$355,543)
Nov-11	(\$355,543)	\$325,181	\$321,692	(\$352,054)	(\$353,798)	3.25%	30	(\$945)	(\$352,999)
Dec-11	(\$352,999)	\$383,623	\$361,713	(\$331,089)	(\$342,044)	3.25%	31	(\$944)	(\$332,033)
Jan-12	(\$332,033)	<u>\$419,709</u>	\$412,780	(\$325,104)	(\$328,569)	3.25%	31	<u>(\$904)</u>	(\$326,008)
Total		\$3,945,303	\$4,241,502					(\$7,617)	

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

Schedule LSM-4 Page 3 of 5

			Suppl	Calculation o ier Charges an							
	(a)	(b)	(c)	(d) Working	(e)	(f)	(g)	(h) Internal	(i)	(j)	(k)
	Total G1 Class	GIS	Number of	Capital		Supply Related	Provision for	Company		Consulting	Total Costs
	DS Supplier	Support	Days of	Requirement		Working Capital	Uncollected	Administrative	Legal	Outside Service	e (sum a + b + f
	Charges	Payments	Lag / 365	((a+b)*c)	Prime Rate	(d * e)	Accounts	Costs	Charges	Charges	+ g + h + i + j)
Feb-11		\$44	3.76%		3.25%			\$3,032	\$0	\$0	\$294,761
Mar-11		\$48	3.76%		3.25%			\$3,032	\$0	\$0	\$297,688
Apr-11		\$45	3.76%		3.25%			\$3,032	\$61	\$0	\$277,817
May-11		\$55	1.48%		3.25%			\$3,032	\$0	\$0	\$267,243
Jun-11		\$46	1.48%		3.25%			\$3,032	\$0	\$0	\$322,976
Jul-11		\$41	1.48%		3.25%			\$3,032	\$0	\$0	\$326,933
Aug-11		\$61	1.48%		3.25%			\$3,032	\$0	\$0	\$359,505
Sep-11		\$62	1.48%		3.25%			\$3,032	\$0	\$0	\$369,136
Oct-11		\$56	1.48%		3.25%			\$3,032	\$226	\$0	\$300,731
Nov-11		\$45	1.48%		3.25%			\$3,153	\$0	\$0	\$325,181
Dec-11		\$37	1.48%		3.25%			\$3,153	\$0	\$0	\$383,623
Jan-12		<u>\$39</u>	1.48%		3.25%			\$3,153	<u>\$519</u>	<u>\$0</u>	\$419,709
Total		\$579						\$36,745	\$806	\$0	\$3,945,303

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	(a)	(b)	(c)	(d)	(e)	(f)	(g) Total Billed G1	(h)
	Total G1 Class		G1 Class	Effective	G1 Class Unbilled		Class Power	
	Billed Default	Unbilled Factor	Unbilled kWh	Variable Power	Power Supply Charge	Reversal of prior	Supply Charge	Total Revenue (e
	Service kWh (1)	(2)	(a * b)	Supply Charge	Revenue (c * d)	month unbilled	Revenue (1)	+ f + g)
Feb-11	4,664,486	47.56%	2,218,321	\$0.06706	\$148,761	(\$174,408)	\$337,455	\$311,808
Mar-11	4,576,978	71.43%	3,269,270	\$0.06582	\$215,183	(\$148,761)	\$304,167	\$370,590
Apr-11	4,834,814	63.08%	3,049,918	\$0.06712	\$204,711	(\$215,183)	\$321,162	\$310,689
Мау-11	4,770,558	70.62%	3,369,118	\$0.06814	\$229,572	(\$204,711)	\$322,460	\$347,321
Jun-11	5,289,657	51.21%	2,708,994	\$0.06207	\$168,147	(\$229,572)	\$345,948	\$284,524
Jul-11	5,736,886	48.30%	2,771,011	\$0.06370	\$176,513	(\$168,147)	\$360,729	\$369,096
Aug-11	5,749,005	57.04%	3,279,321	\$0.07149	\$234,439	(\$176,513)	\$387,442	\$445,367
Sep-11	6,073,518	46.96%	2,852,310	\$0.06665	\$190,106	(\$234,439)	\$419,402	\$375,070
Oct-11	4,932,624	55.25%	2,725,179	\$0.06869	\$187,193	(\$190,106)	\$333,768	\$330,854
Nov-11	4,518,802	48.94%	2,211,485	\$0.07933	\$175,437	(\$187,193)	\$333,447	\$321,692
Dec-11	4,380,100	55.09%	2,413,042	\$0.07894	\$190,486	(\$175,437)	\$346,665	\$361,713
Jan-12	5,097,088	49.76%	2,536,272	\$0.07908	\$200,568	<u>(\$190,486)</u>	\$402,697	\$412,780
Total	60,624,515				\$2,321,115	(\$2,294,955)	\$4,215,342	\$4,241,502

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

		Direct	
	Billed	Estimate of	Unbilled kWh /
	kWh	Unbilled kWh	Billed kWh
Feb-11	28,178,986	13,401,268	47.56%
Mar-11	27,940,275	19,957,339	71.43%
Apr-11	28,887,771	18,223,110	63.08%
May-11	27,700,287	19,562,814	70.62%
Jun-11	30,180,463	15,456,329	51.21%
Jul-11	33,519,204	16,190,329	48.30%
Aug-11	32,551,263	18,567,742	57.04%
Sep-11	32,862,183	15,433,085	46.96%
Oct-11	30,091,217	16,624,814	55.25%
Nov-11	28,592,027	13,992,836	48.94%
Dec-11	27,618,147	15,215,122	55.09%
Jan-12	27,601,531	13,734,309	49.76%

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Unitil Energy Systems, Inc. Itemized Costs for G1 Class Default Service Power Supply Charge Schedule LSM-4 Page 5 of 5

Calculation of Working Capital

			Supp	lier Charges an	d GIS Suppoi	rt Payments					
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Total G1 Class	GIS	Number of	Capital		Supply Related	Provision for	Company		Consulting	Total Costs
	DS Supplier	Support	Days of	Requirement		Working Capital	Uncollected	Administrative	Legal	Outside Servic	e (sum a + b + f
	Charges (1)	Payments	Lag / 365	((a+b)*c)	Prime Rate	(d * e)	Accounts	Costs	Charges	Charges	+ g + h + i + j)
May-12		\$46	2.43%		3.25%			\$3,153	\$0 \$0	\$0 \$0	\$252,575
Jun-12 Jul-12 Total		\$48 <u>\$49</u> \$143	2.43% 2.43%		3.25% 3.25%			\$3,153 <u>\$3,153</u> \$9,458	\$0 <u>\$0</u> \$0	\$0 <u>\$0</u> \$0	\$240,687 <u>\$284,624</u> \$777,885

		May-12 Estimated	Jun-12 Estimated	Jul-12 Estimated	Total
1	Reconciliation	(\$8,950)	(\$9,144)	(\$10,694)	(\$28,788)
2	Total Costs (Page 2)	<u>\$19,700</u>	\$20,127	\$23,539	<u>\$63,367</u>
3	Reconciliation plus Total Costs (L.1 + L.2)	\$10,750	\$10,983	\$12,845	\$34,579
4	kWh Purchases	5,490,937	5,609,892	6,560,900	17,661,729
5	Total, Before Losses (L.3 / L.4)	\$0.00196	\$0.00196	\$0.00196	
6	Losses	4.591%	<u>4.591%</u>	4.591%	
7	Total Retail Rate - Variable RPS Charge (L.5 * (1+L.6))	\$0.00205	\$0.00205	\$0.00205	

(1) Balance as of January 31, 2012 modified, as detailed below, to reflect that current rates (through April 30, 2012) include a charge for the undercollection as of January 31, 2011 and to reflect accruals for RPS. Figure is then allocated between rate periods (May-July 2012, August-October 2012, November 2012-January 2013, and February-April 2013) and then to each month, May through July 2012, on equal per kWh basis.

January 31, 2012 actual balance - Schedule LSM-5, Page 2	(\$231,147)	
less: Estimated remaining prior period reconciliation - Feb, Mar, Apr 2012		
Estimated kWh Sales Feb-Apr 2012	14,957,783	
Amount of reconciliation in current rate	<u>\$0.00071</u>	
Estimated amount of reconciliation - Feb-Apr 2012	\$10,621	
plus: G1 Class RPS amounts included in rate filings, Feb 2011-Jan 2012	\$146,994	
less: G1 Class RPS amounts, CY 2011 requirement, purchased	\$13,307	
Net G1 Class RPS amounts included in rate filings, Feb 2011-Jan 2012	\$133,687	
Total reconciliation for May 1, 2012-April 30, 2013	(\$108,081)	
kWh purchases forecast May-July 2012	17,661,729	26.64%
kWh purchases forecast August-October 2012	17,411,442	26.26%
kWh purchases forecast November 2012-January 2013	15,828,284	23.87%
kWh purchases forecast February-April 2013	15,407,993	23.24%
Total	66,309,449	
Reconciliation amount for May-July 2012	(\$28,788)	
Reconciliation amount for August-October 2012	(\$28,380)	
Reconciliation amount for November 2012-January 2013	(\$25,799)	
Reconciliation amount for February-April 2013	(\$25,114)	
Total	(\$108,081)	

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
				Ending Balance			Number of		
		Total Costs	Total Revenue	Before Interest	Average Monthly	Interest	Days /	Computed	Ending Balance with
	Beginning Balance	(Page 3)	(Page 4)	(a + b - c)	Balance ((a+d) / 2)	Rate	Month	Interest	Interest (d + h)
Feb-11	(\$150,348)	\$16,467	\$11,883	(\$145,764)	(\$148,056)	3.25%	28	(\$369)	(\$146,133)
Mar-11	(\$146,133)	\$5,520	\$14,351	(\$154,963)	(\$150,548)	3.25%	31	(\$416)	(\$155,379)
Apr-11	(\$155,379)	\$1,082	\$11,769	(\$166,066)	(\$160,723)	3.25%	30	(\$429)	(\$166,495)
May-11	(\$166,495)	\$53,262	\$15,101	(\$128,335)	(\$147,415)	3.25%	31	(\$407)	(\$128,742)
Jun-11	(\$128,742)	\$10,150	\$13,565	(\$132,156)	(\$130,449)	3.25%	30	(\$348)	(\$132,505)
Jul-11	(\$132,505)	\$0	\$16,991	(\$149,496)	(\$141,000)	3.25%	31	(\$389)	(\$149,885)
Aug-11	(\$149,885)	\$0	\$17,249	(\$167,134)	(\$158,510)	3.25%	31	(\$438)	(\$167,572)
Sep-11	(\$167,572)	\$0	\$15,546	(\$183,118)	(\$175,345)	3.25%	30	(\$468)	(\$183,587)
Oct-11	(\$183,587)	\$12,123	\$13,215	(\$184,679)	(\$184,133)	3.25%	31	(\$508)	(\$185,187)
Nov-11	(\$185,187)	\$0	\$12,634	(\$197,821)	(\$191,504)	3.25%	30	(\$512)	(\$198,333)
Dec-11	(\$198,333)	\$288	\$14,295	(\$212,339)	(\$205,336)	3.25%	31	(\$567)	(\$212,906)
Jan-12	(\$212,906)	<u>\$524</u>	<u>\$18,154</u>	(\$230,537)	(\$221,721)	3.25%	31	<u>(\$610)</u>	(\$231,147)
Total		\$99,416	\$174,754					(\$5,461)	

			Calculation	on of Working	Capital	
	(a)	(b)	(c)	(d)	(e)	(f)
			Working			
		Number of	Capital			
		Days of Lag /	Requirement		Supply Related Working	
_	Renewable Energy Credits	365	(a*b)	Prime Rate	Capital (c * d)	Total Costs (sum a + e)
Feb-11	\$16,915	(81.55%)	(\$13,794)	3.25%	(\$448)	\$16,467
Mar-11	\$5,671	(81.55%)	(\$4,625)	3.25%	(\$150)	\$5,520
Apr-11	\$1,112	(81.55%)	(\$907)	3.25%	(\$29)	\$1,082
May-11	\$54,795	(86.12%)	(\$47,187)	3.25%	(\$1,534)	\$53,262
Jun-11	\$10,442	(86.12%)	(\$8,992)	3.25%	(\$292)	\$10,150
Jul-11	\$0	(86.12%)	\$0	3.25%	\$0	\$0
Aug-11	\$0	(86.12%)	\$0	3.25%	\$0	\$0
Sep-11	\$0	(86.12%)	\$0	3.25%	\$0	\$0
Oct-11	\$12,472	(86.12%)	(\$10,740)	3.25%	(\$349)	\$12,123
Nov-11	\$0	(86.12%)	\$0	3.25%	\$0	\$0
Dec-11	\$297	(86.12%)	(\$255)	3.25%	(\$8)	\$288
Jan-12	<u>\$539</u>	(86.12%)	(\$464)	3.25%	<u>(\$15)</u>	<u>\$524</u>
Total	\$102,242	,	(\$86,964)		(\$2,826)	\$99,416

	(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)
Feb-11	4,664,486	47.56%	2,218,321	\$0.00255	\$5,657	(\$6,828)	\$13,054	\$11,883
Mar-11	4,576,978	71.43%	3,269,270	\$0.00255	\$8,337	(\$5,657)	\$11,671	\$14,351
Apr-11	4,834,814	63.08%	3,049,918	\$0.00255	\$7,777	(\$8,337)	\$12,329	\$11,769
May-11	4,770,558	70.62%	3,369,118	\$0.00293	\$9,872	(\$7,777)	\$13,007	\$15,101
Jun-11	5,289,657	51.21%	2,708,994	\$0.00293	\$7,937	(\$9,872)	\$15,499	\$13,565
Jul-11	5,736,886	48.30%	2,771,011	\$0.00293	\$8,119	(\$7,937)	\$16,809	\$16,991
Aug-11	5,749,005	57.04%	3,279,321	\$0.00275	\$9,018	(\$8,119)	\$16,350	\$17,249
Sep-11	6,073,518	46.96%	2,852,310	\$0.00275	\$7,844	(\$9,018)	\$16,721	\$15,546
Oct-11	4,932,624	55.25%	2,725,179	\$0.00275	\$7,494	(\$7,844)	\$13,565	\$13,215
Nov-11	4,518,802	48.94%	2,211,485	\$0.00312	\$6,900	(\$7,494)	\$13,228	\$12,634
Dec-11	4,380,100	55.09%	2,413,042	\$0.00312	\$7,529	(\$6,900)	\$13,666	\$14,295
Jan-12	5,097,088	49.76%	2,536,272	\$0.00350	<u>\$8,877</u>	(\$7,529)	\$16,806	\$18,154
Total	60,624,515				\$95,360	(\$93,311)	\$172,704	\$174,754

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

		Direct	
	Billed	Estimate of	Unbilled kWh /
	kWh	Unbilled kWh	Billed kWh
Feb-11	28,178,986	13,401,268	47.56%
Mar-11	27,940,275	19,957,339	71.43%
Apr-11	28,887,771	18,223,110	63.08%
May-11	27,700,287	19,562,814	70.62%
Jun-11	30,180,463	15,456,329	51.21%
Jul-11	33,519,204	16,190,329	48.30%
Aug-11	32,551,263	18,567,742	57.04%
Sep-11	32,862,183	15,433,085	46.96%
Oct-11	30,091,217	16,624,814	55.25%
Nov-11	28,592,027	13,992,836	48.94%
Dec-11	27,618,147	15,215,122	55.09%
Jan-12	27,601,531	13,734,309	49.76%

			Calculati	on of Working (Capital	
	(a)	(b)	(c)	(d)	(e)	(f)
			Working			
		Number of	Capital			
	Renewable Energy Credits	Days of Lag /	Requirement		Supply Related Working	
	(1)	365	(a*b)	Prime Rate	Capital (c * d)	Total Costs (sum a + e)
May-12	\$20,188	(74.28%)	(\$14,995)	3.25%	(\$487)	\$19,700
Jun-12	\$20,625	(74.28%)	(\$15,320)	3.25%	(\$498)	\$20,127
Jul-12	<u>\$24,122</u>	(74.28%)	<u>(\$17,917)</u>	3.25%	<u>(\$582)</u>	<u>\$23,539</u>
Total	\$64,934		(\$48,231)		(\$1,568)	\$63,367

⁽¹⁾ Schedule TMB-4.

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

Residential Rate D 500 kWh Bill

	2/1/2012	5/1/2012					%
Rate Components	Current Rate	As Revised	<u>Difference</u>	Current Bill*	As Revised Bill*	<u>Difference</u>	Difference to Total Bill
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	\$/kWh	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.02750	\$0.02750	\$0.00000	\$6.88	\$6.88	\$0.00	0.0%
Excess 250 kWh	\$0.03250	\$0.03250	\$0.00000	\$8.13	\$8.13	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$7.40	\$7.40	\$0.00	0.0%
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000	(\$0.02)	(\$0.02)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$0.48	\$0.48	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$1.65	\$1.65	\$0.00	0.0%
Default Service Charge	\$0.08026	\$0.07085	(\$0.00941)	\$40.13	<u>\$35.43</u>	<u>(\$4.71)</u>	(6.3%)
First 250 kWh	\$0.12677	\$0.11736	(\$0.00941)				
Excess 250 kWh	\$0.13177	\$0.12236	(\$0.00941)				
Total Bill			,	\$74.91	\$70.20	(\$4.71)	(6.3%)

^{*} Impacts do not include the Electricity Consumption Tax.

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

Regular Genera	al G2 Quick Reco	very Water He	ating and Spa	ce Heating 2,00	00 kWh Typical Bil	<u>L</u>	
	2/1/2012	5/1/2012					%
Rate Components	Current Rate	As Revised	<u>Difference</u>	Current Bill*	As Revised Bill*	<u>Difference</u>	Difference to Total Bill
Customer Charge	\$5.60	\$5.60	\$0.00	\$5.60	\$5.60	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.02789	\$0.02789	\$0.00000	\$55.78	\$55.78	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$29.58	\$29.58	\$0.00	0.0%
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000	(\$0.08)	(\$0.08)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$1.92	\$1.92	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$6.60	\$6.60	\$0.00	0.0%
Default Service Charge	\$0.08026	\$0.07085	(\$0.00941)	\$160.52	\$141.70	<u>(\$18.82)</u>	(7.2%)
Total	\$0.12716	\$0.11775	(\$0.00941)	\$254.32	\$235.50	(\$18.82)	(7.2%)
Total Bil	I		,	\$259.92	\$241.10	(\$18.82)	(7.2%)

	Regular Ge	neral G2 kWh	Meter 125 kW	n Typical Bill			
	2/1/2012	5/1/2012					% Difference to
Rate Components	Current Rate	As Revised	<u>Difference</u>	Current Bill*	As Revised Bill*	<u>Difference</u>	Total Bill
Customer Charge	\$12.50	\$12.50	\$0.00	\$12.50	\$12.50	\$0.00	0.0%
	\$/kWh	<u>\$/kWh</u>					
Distribution Charge	\$0.02910	\$0.02910	\$0.00000	\$3.64	\$3.64	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$1.85	\$1.85	\$0.00	0.0%
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000	(\$0.01)	(\$0.01)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$0.12	\$0.12	\$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>\$0.08026</u>	\$0.07085	(\$0.00941)	<u>\$10.03</u>	<u>\$8.86</u>	<u>(\$1.18)</u>	<u>(4.1%)</u>
Total	\$0.12837	\$0.11896	(\$0.00941)	\$16.05	\$14.87	(\$1.18)	(4.1%)
Total Bill				\$28.55	\$27.37	(\$1.18)	(4.1%)

^{*} Impacts do not include the Electricity Consumption Tax.

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

	Regular Gene	ral G2 Demand	d, 10 kW, 3,00	0 kWh Typical	Bill		
	2/1/2012	5/1/2012					% Difference to
Rate Components	Current Rate	As Revised	Difference	Current Bill*	As Revised Bill*	Difference	Total Bill
Customer Charge	\$16.50	\$16.50	\$0.00	\$16.50	\$16.50	\$0.00	0.0%
	All kW	All kW					
Distribution Charge	\$9.24	\$9.24	\$0.00	\$92.40	\$92.40	\$0.00	0.0%
Stranded Cost Charge	<u>(\$0.01)</u>	<u>(\$0.01)</u>	\$0.00	<u>(\$0.10)</u>	<u>(\$0.10)</u>	\$0.00	<u>0.0%</u>
Total	\$9.23	\$9.23	\$0.00	\$92.30	\$92.30	\$0.00	0.0%
	\$/kWh	<u>\$/kWh</u>					
Distribution Charge	\$0.00034	\$0.00034	\$0.00000	\$1.02	\$1.02	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$44.37	\$44.37	\$0.00	0.0%
Stranded Cost Charge	(\$0.00001)	(\$0.00001)	\$0.00000	(\$0.03)	(\$0.03)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$2.88	\$2.88	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$9.90	\$9.90	\$0.00	0.0%
Default Service Charge	\$0.08026	\$0.07085	(\$0.00941)	\$240.78	<u>\$212.55</u>	(\$28.23)	<u>(6.9%)</u>
Total	\$0.09964	\$0.09023	(\$0.00941)	\$298.92	\$270.69	(\$28.23)	(6.9%)
Total Bill				\$407.72	\$379.49	(\$28.23)	(6.9%)

	Large Gen	eral - G1 550 k	Va, 200,000 k	Wh Typical Bill	<u>L</u>		
	2/1/2012	5/1/2012					% Difference to
Rate Components	Current Rate	As Revised	Difference	Current Bill*	As Revised Bill*	Difference	Total Bill
Customer Charge	\$87.09	\$87.09	\$0.00	\$87.09	\$87.09	\$0.00	0.0%
Distribution Charge Stranded Cost Charge Total	All kVa \$6.25 (\$0.01) \$6.24 \$/kWh	All kVa \$6.25 (\$0.01) \$6.24 \$/kWh	\$0.00 <u>\$0.00</u> \$0.00	\$3,437.50 (<u>\$5.50)</u> \$3,432.00	\$3,437.50 (<u>\$5.50)</u> \$3,432.00	\$0.00 <u>\$0.00</u> \$0.00	0.0% <u>0.0%</u> 0.0%
Distribution Charge External Delivery Charge Stranded Cost Charge Storm Recovery Adj. System Benefits Charge Default Service Charge Total	\$0.00034 \$0.01479 (\$0.00001) \$0.00096 \$0.00330 <u>\$0.06723</u> \$0.08661	\$0.00034 \$0.01479 (\$0.00001) \$0.00096 \$0.00330 <u>\$0.04308</u> \$0.06246	\$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 (\$0.02415) (\$0.02415)	\$68.00 \$2,958.00 (\$2.00) \$192.00 \$660.00 \$13,446.00 \$17,322.00	\$68.00 \$2,958.00 (\$2.00) \$192.00 \$660.00 \$8,616.00 \$12,492.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 (\$4,830.00) (\$4,830.00)	0.0% 0.0% 0.0% 0.0% 0.0% (<u>23.2%)</u> (23.2%)
Total Bill				\$20,841.09	\$16,011.09	(\$4,830.00)	(23.2%)

^{*} 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 648 kWh Bill - Mean Use*

	2/1/2012	5/1/2012					%
Rate Components	Current Rate	As Revised	<u>Difference</u>	Current Bill**	As Revised Bill**	Difference	<u>Difference</u> to Total Bill
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	\$/kWh	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.02750	\$0.02750	\$0.00000	\$6.88	\$6.88	\$0.00	0.0%
Excess 250 kWh	\$0.03250	\$0.03250	\$0.00000	\$12.94	\$12.94	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$9.58	\$9.58	\$0.00	0.0%
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000	(\$0.03)	(\$0.03)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$0.62	\$0.62	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$2.14	\$2.14	\$0.00	0.0%
Default Service Charge	\$0.08026	\$0.07085	(\$0.00941)	\$52.01	\$45.91	(\$6.10)	(6.5%)
First 250 kWh	\$0.12677	\$0.11736	(\$0.00941)		·		
Excess 250 kWh	\$0.13177	\$0.12236	(\$0.00941)				
Total Bill				\$94.41	\$88.31	(\$6.10)	(6.5%)

Residential Rate D 543 kWh Bill - Median Use*

	2/1/2012	5/1/2012					%
Rate Components	Current Rate	As Revised	Difference	Current Bill**	As Revised Bill**	Difference	Difference to Total Bill
rate components	<u>Odrieni ridio</u>	710 ITCVIOCO	Difference	<u> </u>	710 INCVISCO DIII	Dilloronoc	to rotar biii
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	\$/kWh	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.02750	\$0.02750	\$0.00000	\$6.88	\$6.88	\$0.00	0.0%
Excess 250 kWh	\$0.03250	\$0.03250	\$0.00000	\$9.52	\$9.52	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$8.03	\$8.03	\$0.00	0.0%
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000	(\$0.02)	(\$0.02)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$0.52	\$0.52	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$1.79	\$1.79	\$0.00	0.0%
Default Service Charge	\$0.08026	\$0.07085	(\$0.00941)	\$43.58	\$38.47	(\$5.11)	(6.3%)
First 250 kWh	\$0.12677	\$0.11736	(\$0.00941)				
Excess 250 kWh	\$0.13177	\$0.12236	(\$0.00941)				
Total Bill				\$80.57	\$75.46	(\$5.11)	(6.3%)

^{*} Based on billing period March 2011 through February 2012.
** Impacts do not include the Electricity Consumption Tax.

Unitil Energy Systems, Inc. Average Class Bill Impacts Due to Proposed Default Service Rate Changes Effective May 1, 2012

(A) <u>Class of Service</u>	(B) Annual Number of Customers (luminaires for Outdoor Lighting)	(C) Annual kWh <u>Sales</u>	(D) Annual kW / kVA <u>Sales</u>	(E) Proposed DSC <u>Change \$</u>	(F) Estimated Annual Revenue \$ Under Present Rates	(G) Estimated Annual Revenue \$ Under Proposed Rates	(H) Proposed Net Change <u>Revenue \$</u>	(I) % Change DSC <u>Revenue</u>
Residential	763,694	480,638,599	n/a	(\$4,522,809)	\$70,312,841	\$65,790,032	(\$4,522,809)	(6.4%)
General Service	129,249	340,275,469	1,301,458	(\$3,201,992)	\$48,154,827	\$44,952,835	(\$3,201,992)	(6.6%)
Large General Service	1,814	347,650,754	989,158	(\$8,395,766)	\$36,265,225	\$27,869,459	(\$8,395,766)	(23.2%)
Outdoor Lighting	115,819	8,988,739	n/a	(\$84,584)	\$2,453,856	\$2,369,272	(\$84,584)	(3.4%)
Total	1,010,576	1,177,553,561		(\$16,205,151)	\$157,186,749	\$140,981,597	(\$16,205,151)	(10.3%)

⁽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, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on D Rate Customers

Average <u>kWh</u>	Total Bill Using Rates <u>2/1/2012</u>	Total Bill Using Rates <u>5/1/2012</u>	Total <u>Difference</u>	% Total <u>Difference</u>
125	\$26.12	\$24.94	(\$1.18)	(4.5%)
250	\$41.96	\$39.61	(\$2.35)	(5.6%)
500	\$74.91	\$70.20	(\$4.71)	(6.3%)
600	\$88.08	\$82.44	(\$5.65)	(6.4%)
750	\$107.85	\$100.79	(\$7.06)	(6.5%)
1,000	\$140.79	\$131.38	(\$9.41)	(6.7%)
1,250	\$173.73	\$161.97	(\$11.76)	(6.8%)
1,500	\$206.68	\$192.56	(\$14.12)	(6.8%)
2,000	\$272.56	\$253.74	(\$18.82)	(6.9%)
3,500	\$470.22	\$437.28	(\$32.94)	(7.0%)
5,000	\$667.87	\$620.82	(\$47.05)	(7.0%)

		Rates - Effective February 1, 2012	Rates - Proposed May 1, 2012	Difference
Customer Charge		\$10.27	\$10.27	\$0.00
		<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge:	First 250 kWh	\$0.02750	\$0.02750	\$0.00000
	Excess 250 kWh	\$0.03250	\$0.03250	\$0.00000
External Delivery Ch	narge	\$0.01479	\$0.01479	\$0.00000
Stranded Cost Char	ge	(\$0.00004)	(\$0.00004)	\$0.00000
Storm Recovery Adj	ustment Factor	\$0.00096	\$0.00096	\$0.00000
System Benefits Cha	arge	\$0.00330	\$0.00330	\$0.00000
Default Service Cha	rge	<u>\$0.08026</u>	<u>\$0.07085</u>	(\$0.00941)
TOTAL	First 250 kWh	\$0.12677	\$0.11736	(\$0.00941)
	Excess 250 kWh	\$0.13177	\$0.12236	(\$0.00941)

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on G2 Rate Customers

Load Factor	Average Monthly <u>kW</u>	Average Monthly <u>kWh</u>	Total Bill Using Rates <u>2/1/2012</u>	Total Bill Using Rates <u>5/1/2012</u>	Total <u>Difference</u>	% Total <u>Difference</u>
20%	5	730	\$135.39	\$128.52	(\$6.87)	(5.1%)
20%	10	1,460	\$254.27	\$240.54	(\$13.74)	(5.4%)
20%	15	2,190	\$373.16	\$352.55	(\$20.61)	(5.5%)
20%	25	3,650	\$610.94	\$576.59	(\$34.35)	(5.6%)
20%	50	7,300	\$1,205.37	\$1,136.68	(\$68.69)	(5.7%)
20%	75	10,950	\$1,799.81	\$1,696.77	(\$103.04)	(5.7%)
20%	100	14,600	\$2,394.24	\$2,256.86	(\$137.39)	(5.7%)
20%	150	21,900	\$3,583.12	\$3,377.04	(\$206.08)	(5.8%)
36%	5	1,314	\$193.58	\$181.21	(\$12.36)	(6.4%)
36%	10	2,628	\$370.65	\$345.92	(\$24.73)	(6.7%)
36%	15	3,942	\$547.73	\$510.64	(\$37.09)	(6.8%)
36%	25	6,570	\$901.88	\$840.06	(\$61.82)	(6.9%)
36%	50	13,140	\$1,787.27	\$1,663.62	(\$123.65)	(6.9%)
36%	75	19,710	\$2,672.65	\$2,487.18	(\$185.47)	(6.9%)
36%	100	26,280	\$3,558.04	\$3,310.74	(\$247.29)	(7.0%)
36%	150	39,420	\$5,328.81	\$4,957.87	(\$370.94)	(7.0%)
50%	5	1,825	\$244.49	\$227.32	(\$17.17)	(7.0%)
50%	10	3,650	\$472.49	\$438.14	(\$34.35)	(7.3%)
50%	15	5,475	\$700.48	\$648.96	(\$51.52)	(7.4%)
50%	25	9,125	\$1,156.47	\$1,070.60	(\$85.87)	(7.4%)
50%	50	18,250	\$2,296.43	\$2,124.70	(\$171.73)	(7.5%)
50%	75	27,375	\$3,436.40	\$3,178.80	(\$257.60)	(7.5%)
50%	100	36,500	\$4,576.36	\$4,232.90	(\$343.47)	(7.5%)
50%	150	54,750	\$6,856.29	\$6,341.09	(\$515.20)	(7.5%)

	Rates - Effective February 1, 2012	Rates - Proposed May 1, 2012	Difference
Customer Charge	\$16.50	\$16.50	\$0.00
	All kW	<u>All kW</u>	All kW
Distribution Charge	\$9.24	\$9.24	\$0.00
Stranded Cost Charge	<u>(\$0.01)</u>	<u>(\$0.01)</u>	\$0.00
TOTAL	\$9.23	\$9.23	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge	\$0.00034	\$0.00034	\$0.00000
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000
Stranded Cost Charge	(\$0.00001)	(\$0.00001)	\$0.00000
Storm Recovery Adj. Factor	\$0.00096	\$0.00096	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	\$0.08026	\$0.07085	(\$0.00941)
TOTAL	\$0.09964	\$0.09023	(\$0.00941)

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on G2 kWh Meter Rate Customers

Average Monthly <u>kWh</u>	Total Bill Using Rates 2/1/2012	Total Bill Using Rates <u>5/1/2012</u>	Total <u>Difference</u>	% Total <u>Difference</u>
15	\$14.43	\$14.28	(\$0.14)	(1.0%)
75	\$22.13	\$21.42	(\$0.71)	(3.2%)
150	\$31.76	\$30.34	(\$1.41)	(4.4%)
250	\$44.59	\$42.24	(\$2.35)	(5.3%)
350	\$57.43	\$54.14	(\$3.29)	(5.7%)
450	\$70.27	\$66.03	(\$4.23)	(6.0%)
550	\$83.10	\$77.93	(\$5.18)	(6.2%)
650	\$95.94	\$89.82	(\$6.12)	(6.4%)
750	\$108.78	\$101.72	(\$7.06)	(6.5%)
900	\$128.03	\$119.56	(\$8.47)	(6.6%)

	Rates - Effective February 1, 2012	Rates - Proposed May 1, 2012	Difference
kWh Meter Customer Charge	\$12.50	\$12.50	\$0.00
	All kWh	<u>All kWh</u>	All kWh
Distribution Charge	\$0.02910	\$0.02910	\$0.00000
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000
Storm Recovery Adjustment Factor	\$0.00096	\$0.00096	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	<u>\$0.08026</u>	\$0.0708 <u>5</u>	(\$0.00941)
TOTAL	\$0.12837	\$0.11896	(\$0.00941)

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on G2 QRWH and SH Rate Customers

Average <u>kWh</u>	Total Bill Using Rates <u>2/1/2012</u>	Total Bill Using Rates <u>5/1/2012</u>	Total <u>Difference</u>	% Total <u>Difference</u>
100	\$18.32	\$17.38	(\$0.94)	(5.1%)
200	\$31.03	\$29.15	(\$1.88)	(6.1%)
300	\$43.75	\$40.93	(\$2.82)	(6.5%)
400	\$56.46	\$52.70	(\$3.76)	(6.7%)
500	\$69.18	\$64.48	(\$4.71)	(6.8%)
750	\$100.97	\$93.91	(\$7.06)	(7.0%)
1,000	\$132.76	\$123.35	(\$9.41)	(7.1%)
1,500	\$196.34	\$182.23	(\$14.12)	(7.2%)
2,000	\$259.92	\$241.10	(\$18.82)	(7.2%)
2,500	\$323.50	\$299.98	(\$23.53)	(7.3%)

	Rates - Effective February 1, 2012	Rates - Proposed May 1, 2012	Difference
Customer Charge	\$5.60	\$5.60	\$0.00
	<u>All kWh</u>	<u>All kWh</u>	All kWh
Distribution Charge	\$0.02789	\$0.02789	\$0.00000
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000
Storm Recovery Adjustment Factor	\$0.00096	\$0.00096	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	\$0.08026	<u>\$0.07085</u>	(\$0.00941)
TOTAL	\$0.12716	\$0.11775	(\$0.00941)

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on G1 Rate Customers

Load <u>Factor</u>	Average Monthly <u>kVa</u>	Average Monthly <u>kWh</u>	Total Bill Using Rates <u>2/1/2012</u>	Total Bill Using Rates <u>5/1/2012</u>	Total <u>Difference</u>	% Total <u>Differenc</u>
25.0%	200	36,500	\$4,496.36	\$3,614.88	(\$881.47)	(19.6%)
25.0%	400	73,000	\$8,905.62	\$7,142.67	(\$1,762.95)	(19.8%)
25.0%	600	109,500	\$13,314.89	\$10,670.46	(\$2,644.43)	(19.9%)
25.0%	800	146,000	\$17,724.15	\$14,198.25	(\$3,525.90)	(19.9%)
25.0%	1,000	182,500	\$22,133.42	\$17,726.04	(\$4,407.38)	(19.9%)
25.0%	1,500	273,750	\$33,156.58	\$26,545.52	(\$6,611.06)	(19.9%)
25.0%	2,000	365,000	\$44,179.74	\$35,364.99	(\$8,814.75)	(20.0%)
25.0%	2,500	456,250	\$55,202.90	\$44,184.47	(\$11,018.44)	(20.0%)
25.0%	3,000	547,500	\$66,226.07	\$53,003.94	(\$13,222.13)	(20.0%)
40.0%	200	58,400	\$6,393.11	\$4,982.75	(\$1,410.36)	(22.1%)
40.0%	400	116,800	\$12,699.14	\$9,878.42	(\$2,820.72)	(22.2%)
40.0%	600	175,200	\$19,005.16	\$14,774.08	(\$4,231.08)	(22.3%)
40.0%	800	233,600	\$25,311.19	\$19,669.75	(\$5,641.44)	(22.3%)
40.0%	1,000	292,000	\$31,617.21	\$24,565.41	(\$7,051.80)	(22.3%)
40.0%	1,500	438,000	\$47,382.27	\$36,804.57	(\$10,577.70)	(22.3%)
40.0%	2,000	584,000	\$63,147.33	\$49,043.73	(\$14,103.60)	(22.3%)
40.0%	2,500	730,000	\$78,912.39	\$61,282.89	(\$17,629.50)	(22.3%)
40.0%	3,000	876,000	\$94,677.45	\$73,522.05	(\$21,155.40)	(22.3%)
57.0%	200	83,220	\$8,542.77	\$6,533.01	(\$2,009.76)	(23.5%)
57.0%	400	166,440	\$16,998.46	\$12,978.93	(\$4,019.53)	(23.6%)
57.0%	600	249,660	\$25,454.14	\$19,424.85	(\$6,029.29)	(23.7%)
57.0%	800	332,880	\$33,909.83	\$25,870.77	(\$8,039.05)	(23.7%)
57.0%	1,000	416,100	\$42,365.51	\$32,316.70	(\$10,048.82)	(23.7%)
57.0%	1,500	624,150	\$63,504.72	\$48,431.50	(\$15,073.22)	(23.7%)
57.0%	2,000	832,200	\$84,643.93	\$64,546.30	(\$20,097.63)	(23.7%)
57.0%	2,500	1,040,250	\$105,783.14	\$80,661.11	(\$25,122.04)	(23.7%)
57.0%	3,000	1,248,300	\$126,922.35	\$96,775.91	(\$30,146.45)	(23.8%)
71.0%	200	103,660	\$10,313.08	\$7,809.69	(\$2,503.39)	(24.3%)
71.0%	400	207,320	\$20,539.08	\$15,532.30	(\$5,006.78)	(24.4%
71.0%	600	310,980	\$30,765.07	\$23,254.90	(\$7,510.17)	(24.4%)
71.0%	800	414,640	\$40,991.06	\$30,977.50	(\$10,013.56)	(24.4%)
71.0%	1,000	518,300	\$51,217.05	\$38,700.11	(\$12,516.95)	(24.4%)
71.0%	1,500	777,450	\$76,782.03	\$58,006.62	(\$18,775.42)	(24.5%)
71.0%	2,000	1,036,600	\$102,347.02	\$77,313.13	(\$25,033.89)	(24.5%)
71.0%	2,500	1,295,750	\$127,912.00	\$96,619.64	(\$31,292.36)	(24.5%)
71.0%	3,000	1,554,900	\$153,476.98	\$115,926.14	(\$37,550.84)	(24.5%)

	Rates - Effective February 1, 2012	Rates - Proposed May 1, 2012	Difference
Customer Charge	\$87.09	\$87.09	\$0.00
Distribution Charge Stranded Cost Charge TOTAL	All kVA \$6.25 (\$0.01) \$6.24	All kVA \$6.25 (\$0.01) \$6.24	All kVA \$0.00 \$0.00 \$0.00
Distribution Charge External Delivery Charge Stranded Cost Charge Storm Recovery Adjustment Factor System Benefits Charge Default Service Charge* TOTAL	All kWh \$0.00034 \$0.01479 (\$0.00001) \$0.00096 \$0.00330 \$0.06723 \$0.08661	All kWh \$0.00034 \$0.01479 (\$0.00001) \$0.00096 \$0.00330 \$0.04308 \$0.06246	All kWh \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 (\$0.02415)

^{*} 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, 2012 versus May 1, 2012
Impacts do NOT include the Electricity Consumption Tax

		Nominal			Average	Total Bill Using Rates	Total Bill Using Rates	Total	% Total
1 100			Lumens	Type	•			<u>Difference</u>	Differenc
2			cury Vapor:						
3 250 11,000 ST 95 \$32,351 \$22,62 (\$9.8) 4 400 20,000 ST 1544 \$32,32 \$32,36 \$30,87 (\$14.4) 5 1,000 9,000 ST 388 \$73,66 \$70,01 (\$3.8) 6 220 11,000 FL 136 \$32,351 \$32,82 \$30,87 (\$14.4) 8 1,000 9,000 FL 136 \$89,79 \$361.4 (\$3.8) 8 1,000 \$6,000 FL 136 \$89,79 \$361.4 (\$3.8) 9 100 3,500 PB 40 \$14,20 \$345.1 \$32,82 \$36.6 (\$3.8) 10 175 7,000 PB 40 \$14.5 \$31.5 \$31.83 \$32.82 \$30.87 \$36.1 \$3.80 \$36.7 \$3.80			3,500					(\$0.38)	(2.7%)
4 400 20,000 ST 1514 \$22.22 \$30,87 \$51.45								(\$0.63)	(3.3%)
S			11,000					(\$0.89)	(3.8%)
6 250 11,0000 FL 95 \$24.51 \$22,62 (\$9.8 7 400 20,0000 FL 154 \$33.61 \$23,62 (\$9.8 8 1,0000 60,0000 FL 388 \$69,79 \$66,14 (\$3.8 10 175 7,000 PB 67 \$18.15 \$37.52 (\$0.8 10 175 7,000 PB 7 \$18.15 \$17.52 (\$0.8 11 50 4,000 \$7 21 \$12.1 \$12.1 \$12.21 \$32.			20,000	ST	154	\$32.32	\$30.87	(\$1.45)	(4.5%)
The color of the			60,000					(\$3.65)	(5.0%)
8 1,000 60,000 FL 888 \$68.79 \$66.14 (\$3.6.8) 9 100 3,500 PB 40 \$14.20 \$13.83 (\$0.3.8) 10 175 7,000 PB 67 \$18.15 \$17.52 (\$0.6.6) Hoth Pressure Sodum:			11,000	FL	95	\$24.51	\$23.62	(\$0.89)	(3.6%)
9 100 3,500 PB 40 \$14.20 \$13.83 \$(9.3)			20,000	FL		\$33.61		(\$1.45)	(4.3%)
10 175		8 1,000	60,000	FL	388	\$69.79	\$66.14	(\$3.65)	(5.2%)
High Pressure Sedium		9 100	3,500	PB	40	\$14.20	\$13.83	(\$0.38)	(2.6%)
11 50		10 175	7,000	PB	67	\$18.15	\$17.52	(\$0.63)	(3.5%)
12 100									
13								(\$0.20)	(1.6%)
14								(\$0.40)	(2.5%)
15								(\$0.56)	(3.2%)
16								(\$0.95)	(3.8%)
17			50,000					(\$1.52)	(4.3%)
18			140,000		398	\$74.20	\$70.46	(\$3.75)	(5.0%)
19								(\$0.56)	(2.8%)
20								(\$0.95)	(3.6%)
			50,000	FL	161	\$35.03	\$33.51	(\$1.52)	(4.3%)
Metal Halides Metal Halide		20 1,000		FL	398			(\$3.75)	(5.0%)
				PB	21	\$11.54	\$11.34	(\$0.20)	(1.7%)
23 175		22 100	95,000	PB	43	\$15.05	\$14.65	(\$0.40)	(2.7%)
23 175		Me ^c	tal Halide:						
24 250 13,500 ST 92 \$26,48 \$25,62 \$(8).8 \$25,64 \$25,64 \$25,64 \$25,64 \$25,64 \$25,64 \$25,64 \$26,47 \$26,47 \$26,47 \$27,250 \$13,500 FL \$16,6 \$25,05 \$24,43 \$(9).6 \$28,40 \$28,40 \$28,40 \$28,40 \$28,40 \$28,40 \$28,40 \$28,40 \$28,40 \$28,40 \$28,40 \$28,40 \$28,40 \$29,41 \$				ST	66	\$22.39	\$21.77	(\$0.62)	(2.8%)
25 400 23,500 ST 148 \$32.75 \$31.36 \$13.36 \$22.65 \$24.43 \$26.65 \$24.43 \$26.65 \$24.43 \$26.65 \$24.43 \$26.65 \$27.72 \$250 13,500 FL 92 \$29.22 \$28.36 \$60.86 \$28.43 \$28.400 \$23.500 FL 148 \$34.84 \$33.45 \$33.45 \$33.45 \$30.250 \$13,500 PB 66 \$21.29 \$20.67 \$60.65 \$30.250 \$13,500 PB 92 \$24.29 \$24.03 \$60.05 \$30.250 \$13,500 PB 148 \$31.65 \$30.26 \$30.250 \$30.250 \$13,500 PB 148 \$31.65 \$30.26 \$30.25 \$30.26 \$30.25 \$30.26 \$30.25							*	(\$0.87)	(3.3%)
26								(\$1.39)	(4.3%)
27 250 13,500 FL 92 \$29,22 \$28,36 \$3.0 \$4.0 \$2.5 \$4.00 \$2.5 \$5.00 FL \$4.8 \$34.44 \$33.45 \$31.3 \$3.0 \$2.9 \$17.5 \$8,800 PB \$6.6 \$521.29 \$20.67 \$5.0 \$3.0 \$2.5 \$3.0 \$2.5 \$3.0 \$2.5 \$3.0 \$3.0 \$2.5 \$3.0 \$2.5 \$3.0 \$2.5 \$3.0 \$2.5 \$3.0 \$3.0 \$2.5 \$3.0 \$2.5 \$3.0 \$3.0 \$2.5 \$3.0 \$2.5 \$3.0 \$3.0 \$2.5 \$3.0 \$2.5 \$3.0 \$3.0 \$2.5 \$3.0									(2.5%)
28									(3.0%)
29									, ,
Section Control Cont									(4.0%)
Luminaire Charges For Year Round Service;									(2.9%)
Luminaire Charges For Year Round Service;								(\$0.87) (\$1.30)	(3.5%) (4.4%)
National Color Nati						*******	*****	(\$1.00)	(,-)
Customer Charge \$0.00			<u>Lum</u>	inaire Charge	s For Year Round	Service:			
All kWh 3 \$14.05 13 \$11.78 24 \$11.76	Rates - Effective February	1, 2012	Mercury Vapor	Rate/Mo.	Sodium Vapo	or Rate/Mo.	Metal Halide	Rate/Mo.	
All kWh 3 \$14.05 13 \$11.78 24 \$17.75	O	£0.00		4 P40 44	4.4	f40.00	0:	0 645.00	
All KWh 3 \$14.05 13 \$11.83 25 \$18.6	Justomer Charge	\$0.00							
Distribution Charge \$0.00034		A 11 1-1A/1-							
External Delivery Charge (\$0.01479 5 \$35.01 15 \$19.45 27 \$20.0 Stranded Cost Charge (\$0.00004) 6 \$15.05 16 \$34.56 28 \$20.3 Storm Recovery Adj. Factor (\$0.00096 7 \$18.27 17 \$13.84 29 \$14.3 System Benefits Charge (\$0.00330 8 \$31.14 18 \$16.56 30 \$15.5 Solitat Service Charge (\$0.08026 9 \$10.22 19 \$18.99 31 \$16.5 Solitat Service Charge (\$0.08026 9 \$10.22 19 \$18.99 31 \$16.5 Solitat Service Charge (\$0.08026 9 \$10.22 19 \$18.99 31 \$16.5 Solitat Service Charge (\$0.08026 9 \$10.14 11 \$10.32 23 \$15.5 Solitat Service Charge (\$0.08026 9 \$10.11 11 \$10.32 23 \$15.5 Solitat Service Charge (\$0.000	3:								
Stranded Cost Charge \$0.00004 6 \$15.05 16 \$34.56 28 \$20.0007									
Storm Recovery Adj. Factor \$0.00096 7 \$18.27 17 \$13.84 29 \$14.7									
System Benefits Charge \$0.00330 \$ \$31.14 18 \$16.56 30 \$15.7									
Default Service Charge \$0.08026 9 \$10.22 19 \$18.99 31 \$16.50									
TOTAL \$0.09961									
Rates - Proposed May 1, 2012 Substitution Charge Substitutio	Default Service Charge	\$0.08026		9 \$10.22	19	9 \$18.99	3	1 \$16.91	
Mercury Vapor Rate/Mo. Sodium Vapor Rate/Mo. Metal Halide Rate/Mo.				10 \$11.48	20	34.87			
Mercury Vapor Rate/Mo. Sodium Vapor Rate/Mo. Metal Halide Rate/Mo.	TOTAL	\$0.09961							
South Sout					22	2 \$10.77			
Customer Charge \$0.00	Rates - Proposed May 1, 20)12	Mercury Vance	Pate/Ma	Sodium Vand	or Rate/Mo	Metal Halld	Pate/Mo	
2 \$12.24 12 \$11.78 24 \$17.58	Quetomor Chara-	60.00	MEICULY VAPOR						
All kWh 3 \$14.05 13 \$11.83 25 \$18.00	Sustomer Charge	\$0.00							
Distribution Charge \$0.00034		A							
External Delivery Charge \$0.01479 \$5 \$35.01 15 \$19.45 27 \$20.0 Stranded Cost Charge \$0.00004) 6 \$15.05 16 \$34.56 28 \$20.0 Storm Recovery Adj. Factor \$0.00096 7 \$18.27 17 \$13.84 29 \$14.7 System Benefits Charge \$0.00330 8 \$31.14 18 \$16.56 30 \$15.5 Default Service Charge \$0.007085 9 \$10.22 19 \$18.99 31 \$16.5 TOTAL \$0.09020 21 \$9.45 Difference Mercury Vapor-Difference Sodium Vapor-Difference Difference Di									
Stranded Cost Charge (\$0.00004) 6 \$15.05 16 \$34.56 28 \$20.75									
Storm Recovery Adj. Factor \$0.00096 7 \$18.27 17 \$13.84 29 \$14.75									
System Benefits Charge \$0.00330 8 \$31.14 18 \$16.56 30 \$15.70 Default Service Charge \$0.007085 9 \$10.22 19 \$18.99 31 \$16.50 10 \$11.48 20 \$34.87 TOTAL \$0.09020 21 \$9.45 21 \$9.45 22 \$10.77									
Default Service Charge \$0.07085 9 \$10.22 19 \$18.99 31 \$16.80 TOTAL \$0.09020 21 \$9.45									
TOTAL \$0.09020		\$0.00330		8 \$31.14	18	3 \$16.56	30	0 \$15.73	
TOTAL \$0.09020	Default Service Charge	\$0.07085		9 \$10.22	19	9 \$18.99	3:	1 \$16.91	
22 \$10.77	-				20				
Difference Mercury Vapor-Difference Sodium Vapor-Difference Metal Halide-Difference Customer Charge \$0.00 1 \$0.00 11 \$0.00 23 \$0.0 2 \$0.00 12 \$0.00 24 \$0.0 24 \$0.0 25 \$0.0 25 \$0.0 \$0.0 25 \$0.0 \$0.0 25 \$0.0 \$0.0 26 \$0.0 \$0.0 \$0.0 26 \$0.0 <	TOTAL	\$0.09020			21	1 \$9.45			
Customer Charge \$0.00 1 \$0.00 11 \$0.00 23 \$0.0 2 \$0.00 12 \$0.00 24 \$0.0 All kWh 3 \$0.00 13 \$0.00 25 \$0.0 Distribution Charge \$0.00000 4 \$0.00 14 \$0.00 26 \$0.0 External Delivery Charge \$0.00000 5 \$0.00 15 \$0.00 27 \$0.0 Stranded Cost Charge \$0.00000 6 \$0.00 16 \$0.00 28 \$0.0 Storm Recovery Adj. Factor \$0.00000 7 \$0.00 17 \$0.00 29 \$0.0 System Benefits Charge \$0.00000 8 \$0.00 18 \$0.00 30 \$0.00					22				
2 \$0.00 12 \$0.00 24 \$0.00 All kWh 3 \$0.00 13 \$0.00 25 \$0.0 Distribution Charge \$0.00000 4 \$0.00 External Delivery Charge \$0.00000 5 \$0.00 Stranded Cost Charge \$0.00000 6 \$0.00 Stranded Cost Charge \$0.00000 7 \$0.00 Storm Recovery Adj. Factor \$0.00000 7 \$0.00 System Benefits Charge \$0.00000 8 \$0.00 System		Difference	Mercury Vapo	or-Difference	Sodium \	Vapor-Difference	Metal Ha	alide-Difference	
All kWh 3 \$0.00 13 \$0.00 25 \$0.0 Distribution Charge \$0.00000 4 \$0.00 14 \$0.00 26 \$0.0 External Delivery Charge \$0.00000 5 \$0.00 15 \$0.00 27 \$0.0 Stranded Cost Charge \$0.00000 6 \$0.00 16 \$0.00 28 \$0.0 Storm Recovery Adj. Factor \$0.00000 7 \$0.00 17 \$0.00 29 \$0.0 System Benefits Charge \$0.00000 8 \$0.00 18 \$0.00 30 \$0.0	Customer Charge	\$0.00							
Distribution Charge \$\overline{0.0000}\$ 4 \$0.00 14 \$0.00 26 \$0.0 External Delivery Charge \$0.00000 5 \$0.00 15 \$0.00 27 \$0.0 Stranded Cost Charge \$0.00000 6 \$0.00 16 \$0.00 28 \$0.0 Storm Recovery Adj. Factor \$0.00000 7 \$0.00 17 \$0.00 29 \$0.0 System Benefits Charge \$0.00000 8 \$0.00 18 \$0.00 30 \$0.0									
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Storm Recovery Adj. Factor \$0.00000 7 \$0.00 17 \$0.00 29 \$0.0 System Benefits Charge \$0.00000 8 \$0.00 18 \$0.00 30 \$0.0									
System Benefits Charge \$0.00000 8 \$0.00 18 \$0.00 30 \$0.0	External Delivery Charge								
	External Delivery Charge Stranded Cost Charge	\$0 00000			17	Ψ0.00			
Default Service Charge (\$0.00041) 0.00.00 40.00 00.00 04.000	External Delivery Charge Stranded Cost Charge Storm Recovery Adj. Factor				40	የ የሰ ሰሳ			
	External Delivery Charge Stranded Cost Charge Storm Recovery Adj. Factor System Benefits Charge	\$0.00000		8 \$0.00					
	External Delivery Charge Stranded Cost Charge Storm Recovery Adj. Factor			8 \$0.00 9 \$0.00	19	9 \$0.00			
FOTAL (\$0.00941) 21 \$0.00 22 \$0.00	External Delivery Charge Stranded Cost Charge Storm Recovery Adj. Factor System Benefits Charge Default Service Charge	\$0.00000 (\$0.00941)		8 \$0.00	19 20	9 \$0.00 0 \$0.00			

CALCULATION OF THE DEFAULT SERVICE CHARGE

	CALCULATION OF THE DEFAULT SERVICE CHARGE							
	Non-G1 Class Default Service:	Nov-11	<u>Dec-11</u>	Jan-12	<u>Feb-12</u>	<u>Mar-12</u>	Apr-12	(R) Total
1	Power Supply Charge Reconciliation	\$118,712	\$130,852	\$144,437	\$129,737	\$123,193	\$109,835	\$756,766
2	Total Costs	<u>\$4,310,516</u>	<u>\$5,242,290</u>	\$6,404,978	<u>\$5,774,660</u>	\$4,639,087	\$4,069,824	<u>\$30,441,355</u>
3	Reconciliation plus Total Costs (L.1 + L.2)	\$4,429,229	\$5,373,142	\$6,549,415	\$5,904,397	\$4,762,280	\$4,179,658	\$31,198,121
4	kWh Purchases	66,740,691	73,565,609	81,203,115	72,938,785	69,259,531	61,749,587	425,457,318
5	Total, Before Losses (L.3 / L.4)	\$0.06636	\$0.07304	\$0.08065	\$0.08095	\$0.06876	\$0.06769	\$0.07333
6	Losses	6.40%	<u>6.40%</u>	6.40%	6.40%	6.40%	<u>6.40%</u>	6.40%
7 8	Total Retail Rate Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate Fixed Power Supply Charge (L.5	\$0.07061	\$0.07771	\$0.08582	\$0.08613	\$0.07316	\$0.07202	60.07000
	*(I+L.6))							\$0.07802
9	Renewable Portfolio Standard (RPS) Charge- Reconciliation	(\$28,680)	(\$31,613)	(\$34,895)	(\$31,343)	(\$29,762)	(\$26,535)	(\$182,827)
10	Total Costs	<u>\$153,280</u>	\$168,949	<u>\$215,094</u>	\$193,207	<u>\$183,462</u>	<u>\$163,570</u>	<u>\$1,077,561</u>
11	Reconciliation plus Total Costs (L.9 + L.10)	\$124,600	\$137,336	\$180,199	\$161,864	\$153,700	\$137,035	\$894,734
12	kWh Purchases	66,740,691	73,565,609	81,203,115	72,938,785	69,259,531	61,749,587	425,457,318
13	Total, Before Losses (L.11 / L.12)	\$0.00187	\$0.00187	\$0.00222	\$0.00222	\$0.00222	\$0.00222	\$0.00210
14	Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	<u>6.40%</u>
	Total Retail Rate Variable RPS Charge (L.13 * (1+L.14)) Total Retail Rate Fixed RPS Charge	\$0.00199	\$0.00199	\$0.00236	\$0.00236	\$0.00236	\$ 0.00236	
	(L.13 * (1+L.14))							\$0.00224
	Total Retail Rate Variable Default Service Charge (L.7 + L.15) Total Retail Rate Fixed Default Service Charge (L.8+L.16)	\$ 0.07260	\$0.07970	\$0.08818	\$0.08849	\$0.07552	\$0.07438	\$0.08026
								Q0.00020
	N. OLG. DAVIG				n on Schedule LSM		0.112	
	Non-G1 Class Default Service:	<u>May-12</u>	<u>Jun-12</u>	As show Jul-12	n on Schedule LSM Aug-12	M-7, Page 2 Sep-12	Oct-12	Total
1	Non-G1 Class Default Service: Power Supply Charge Reconciliation	May-12 \$95,184	Jun-12 \$115,586				Oct-12 \$108,610	
1 2	Power Supply Charge			<u>Jul-12</u>	Aug-12	Sep-12		<u>Total</u>
-	Power Supply Charge Reconciliation	\$95,184	\$115,586	<u>Jul-12</u> \$115,393	Aug-12 \$134,633	Sep-12 \$105,262	\$108,610	<u>Total</u> \$674,668
2	Power Supply Charge Reconciliation Total Costs	\$95,184 \$3,420,246	\$115,586 \$4,079,415	Jul-12 \$115,393 \$4,440,651	\$134,633 \$5,185,879	\$105,262 \$3,725,315	\$108,610 \$3,867,544	Total \$674,668 \$24,719,051
2	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2)	\$95,184 \$3,420,246 \$3,515,431	\$115,586 <u>\$4,079,415</u> \$4,195,001	\$115,393 \$4,440,651 \$4,556,044	\$134,633 \$5,185,879 \$5,320,512	\$105,262 \$3,725,315 \$3,830,577	\$108,610 \$3,867,544 \$3,976,154	Total \$674,668 \$24,719,051 \$25,393,719
2 3 4	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases	\$95,184 \$3,420,246 \$3,515,431 58,363,921	\$115,586 <u>\$4,079,415</u> \$4,195,001 <u>70.873.661</u>	\$115,393 \$4,440,651 \$4,556,044 70,755,027	\$134,633 \$5,185,879 \$5,320,512 82,552,369	\$105,262 \$3,725,315 \$3,830,577 64,543,305	\$108,610 \$3,867,544 \$3,976,154 66,595,980	Total \$674,668 \$24,719,051 \$25,393,719 413,684,262
2 3 4 5	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Retail Rate - Fixed Power Supply Charge (L.5 Total Rate) Rate - Fixed	\$95,184 \$3,420,246 \$3,515,431 \$8,363,921 \$0.06023	\$115,586 <u>\$4,079,415</u> \$4,195,001 <u>70.873,661</u> \$0.05919	\$115,393 \$4,440,651 \$4,556,044 70,755,027 \$0.06439	\$134,633 \$5,185,879 \$5,320,512 \$2,552,369 \$0.06445	\$105,262 \$3,725,315 \$3,830,577 64,543,305 \$0.05935	\$108,610 <u>\$3,867,544</u> \$3,976,154 <u>66,595,980</u> \$0.05971	Total \$674,668 \$24,719,051 \$25,393,719 413,684,262 \$0.06138 6.40%
2 3 4 5 6 7	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6))	\$95,184 \$3,420,246 \$3,515,431 58,363,921 \$0.06023 6,40%	\$115,586 \$4,079,415 \$4,195,001 70,873,661 \$0.05919 6,40%	\$115,393 \$4,440,651 \$4,556,044 70,755,027 \$0.06439 6.40% \$0.06851	\$134,633 \$5,185,879 \$5,320,512 \$2,552,369 \$0.06445 6.40%	\$105,262 \$3,725,315 \$3,830,577 64,543,305 \$0.05935 6.40% \$0.06315	\$108,610 <u>\$3,867,544</u> \$3,976,154 <u>66.595,980</u> \$0.05971 <u>6.40%</u>	Total \$674,668 \$24,719,051 \$25,393,719 413,684,262 \$0.06138
2 3 4 5 6 7 8	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge	\$95,184 \$3,420,246 \$3,515,431 58,363,921 \$0.06023 6.40% \$0.06409	\$115,586 <u>\$4,079,415</u> \$4,195,001 <u>70,873,661</u> \$0.05919 <u>6.40%</u> \$0.06298	\$115,393 \$4,440,651 \$4,556,044 70,755,027 \$0.06439 6,40% \$0.06851	\$134,633 \$5,185,879 \$5,320,512 \$2,552,369 \$0.06445 6.40% \$0.06857	\$ep-12 \$105,262 \$3,725,315 \$3,830,577 64,543,305 \$0.05935 6.40% \$0.06315	\$108,610 \$3,867,544 \$3,976,154 66,595,980 \$0.05971 6.40% \$0.06353	Total \$674,668 \$24,719,051 \$25,393,719 413,684,262 \$0.06138 6.40% \$0.06531
2 3 4 5 6 7 8	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation	\$95,184 \$3,420,246 \$3,515,431 58,363,921 \$0.06023 6,40% \$0.06409	\$115,586 <u>\$4,079,415</u> \$4,195,001 <u>70.873,661</u> \$0.05919 <u>6.40%</u> \$0.06298	\$115,393 \$4,440,651 \$4,556,044 70,755,027 \$0.06439 6.40% \$0.06851 As show (\$39,057)	\$134,633 \$5,185,879 \$5,320,512 \$2,552,369 \$0.06445 6.40% \$0.06857	\$ep-12 \$105,262 \$3,725,315 \$3,830,577 64,543,305 \$0.05935 6.40% \$0.06315	\$108,610 \$3,867,544 \$3,976,154 66,595,980 \$0.05971 6.40% \$0.06353	Total \$674,668 \$24,719,051 \$25,393,719 413,684,262 \$0.06138 6.40% \$0.06531
2 3 4 5 6 7 8	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs	\$95,184 \$3,420,246 \$3,515,431 58,363,921 \$0.06023 6,40% \$0.06409 (\$32,217) \$205,794	\$115,586 \$4,079,415 \$4,195,001 70,873,661 \$0.05919 6,40% \$0.06298 (\$39,122) \$249,900	\$115,393 \$4,440,651 \$4,556,044 70,755,027 \$0.06439 6,40% \$0.06851 As show (\$39,057) \$249,480	\$134,633 \$5,185,879 \$5,320,512 \$2,552,369 \$0.06445 6.40% \$0.06857 n on Schedule LSN (\$45,569) \$291,076	\$105,262 \$3,725,315 \$3,830,577 64,543,305 \$0.05935 6,40% \$0.06315	\$108,610 \$3,867,544 \$3,976,154 66,595,980 \$0.05971 6,40% \$0.06353 (\$36,761) \$234,817	Total \$674,668 \$24,719,051 \$25,393,719 413,684,262 \$0.06138 6.40% \$0.06531 (\$228,354) \$1,458,649
2 3 4 5 6 7 8 9 10 11 12	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.9 + L.10)	\$95,184 \$3,420,246 \$3,515,431 58,363,921 \$0.06023 6.40% \$0.06409 (\$32,217) \$205,794 \$173,577	\$115,586 \$4,079,415 \$4,195,001 70,873,661 \$0.05919 6.40% \$0.06298 (\$39,122) \$249,900 \$210,778	\$115,393 \$4,440,651 \$4,556,044 70,755,027 \$0.06439 6.40% \$0.06851 As show (\$39,057) \$249,480 \$210,423	\$134,633 \$5,185,879 \$5,320,512 \$2,552,369 \$0.06445 6.40% \$0.06857 \$n on Schedule LSN (\$45,569) \$291,076 \$245,507	\$ep-12 \$105,262 \$3,725,315 \$3,830,577 64,543,305 \$0.05935 6.40% \$0.06315 M-3, Page 1 (\$35,628) \$227,581 \$191,953	\$108,610 \$3,867,544 \$3,976,154 66,595,980 \$0.05971 6.40% \$0.06353 (\$36,761) \$234,817 \$198,056	Total \$674,668 \$24,719,051 \$25,393,719 413,684,262 \$0.06138 6,40% \$0.06531 (\$228,354) \$1,458,649 \$1,230,294
2 3 4 5 6 7 8 9 10 11 12 13	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.9 + L.10) kWh Purchases	\$95,184 \$3,420,246 \$3,515,431 58,363,921 \$0.06023 6,40% \$0.06409 (\$32,217) \$205,794 \$173,577 58,363,921	\$115,586 \$4,079,415 \$4,195,001 70,873,661 \$0,05919 6,40% \$0,06298 (\$39,122) \$249,900 \$210,778 70,873,661	\$115,393 \$4,440,651 \$4,556,044 70,755,027 \$0.06439 6.40% \$0.06851 As show (\$39,057) \$249,480 \$210,423 70,755,027	\$134,633 \$5,185,879 \$5,320,512 \$2,552,369 \$0.06445 6.40% \$0.06857 non Schedule LSN (\$45,569) \$291,076 \$245,507 \$2,552,369	\$ep-12 \$105,262 \$3,725,315 \$3,830,577 64,543,305 \$0.05935 6.40% \$0.06315 \$4.3, Page 1 \$35,628) \$227,581 \$191,953 64,543,305	\$108,610 \$3,867,544 \$3,976,154 66,595,980 \$0.05971 6.40% \$0.06353 (\$36,761) \$234,817 \$198,056 66,595,980	Total \$674,668 \$24,719,051 \$25,393,719 413,684,262 \$0.06138 6.40% \$0.06531 (\$228,354) \$1,458,649 \$1,230,294 413,684,262
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Power Supply Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.1 + L.2) kWh Purchases Total, Before Losses (L.3 / L.4) Losses Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6)) Renewable Portfolio Standard (RPS) Charge Reconciliation Total Costs Reconciliation plus Total Costs (L.9 + L.10) kWh Purchases Total, Before Losses (L.11 / L.12)	\$95,184 \$3,420,246 \$3,515,431 \$8,363,921 \$0.06023 6.40% \$0.06409 (\$32,217) \$205,794 \$173,577 58,363,921 \$0.00297	\$115,586 \$4,079,415 \$4,195,001 70,873,661 \$0.05919 6,40% \$0.06298 (\$39,122) \$249,900 \$210,778 70,873,661 \$0.00297	\$115,393 \$4,440,651 \$4,556,044 70,755,027 \$0.06439 6.40% \$0.06851 As show (\$39,057) \$249,480 \$210,423 70,755,027 \$0.00297	\$134,633 \$5,185,879 \$5,320,512 \$2,552,369 \$0.06845 6.40% \$0.06857 \$0.06857 \$291,076 \$245,569 \$245,507 \$2,552,369 \$0.00297	\$ep-12 \$105,262 \$3,725,315 \$3,830,577 64,543,305 \$0.05935 6.40% \$0.06315 \$4.3, Page 1 \$35,628) \$227,581 \$191,953 64,543,305 \$0.00297	\$108,610 \$3,867,544 \$3,976,154 66,595,980 \$0.05971 6.40% \$0.06353 (\$36,761) \$234,817 \$198,056 66,595,980 \$0.00297	Total \$674,668 \$24,719,051 \$25,393,719 413,684,262 \$0.06138 6,40% \$0.06531 (\$228,354) \$1,458,649 \$1,230,294 413,684,262 \$0.00297

Authorized by NHPUC Order No. 25,269 in Case No. DE 12-003 11-028, dated September 16, 2011

Unitil Energy Systems, Inc.
Calculation of Non-G1 Class Default Service Power Supply Charge
Excluding Customer Billing Adjustment and Remainder of Smart Grid Expenses

1	Reconciliation (1)	May-12 <u>Estimated</u> \$95,184	Jun-12 <u>Estimated</u> \$115,586	Jul-12 <u>Estimated</u> \$115,393	Aug-12 <u>Estimated</u> \$134,633	Sep-12 <u>Estimated</u> \$105,262	Oct-12 <u>Estimated</u> \$108,610	<u>Total</u> \$674,668
2	Total Costs (Page 2)	\$3,420,246	\$4,079,415	<u>\$4,440,651</u>	<u>\$5,185,879</u>	\$3,725,315	\$3,867,544	\$24,719,051
3	Reconciliation plus Total Costs (L.1 + L.2)	\$3,515,431	\$4,195,001	\$4,556,044	\$5,320,512	\$3,830,577	\$3,976,154	\$25,393,719
4	kWh Purchases	58,363,921	70,873,661	70,755,027	82,552,369	64,543,305	66,595,980	413,684,262
5	Total, Before Losses (L.3 / L.4)	\$0.06023	\$0.05919	\$0.06439	\$0.06445	\$0.05935	\$0.05971	\$0.06138
6	Losses	6.40%	6.40%	6.40%	<u>6.40%</u>	<u>6.40%</u>	6.40%	6.40%
7 8	Total Retail Rate - Variable Power Supply Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Power Supply Charge (L.5 * (1+L.6))	\$0.06409	\$0.06298	\$0.06851	\$0.06857	\$0.06315	\$0.06353	\$0.06531

⁽¹⁾ Balance as of January 31, 2012 modified, as detailed below, to reflect that current rates (through April 30, 2012) include a charge for the undercollection as of January 31, 2011. Amount is further modified to remove the remainder of Smart Grid expenses (amounts not yet collected) in order to recover over the period May-October 2012. The figure is then allocated between rate periods (May-October 2012 and November 2012-April 2013) with remaining Smart Grid expenses added to May-October 2012, and then to each month, May through October 2012, on equal per kWh basis.

a January 31, 2012 actual	\$1,961,861				
b less: Estimated remaining	g prior period reconciliation - Feb, Mar,	Apr 2012			
С	Estimated kWh Sales Feb-Apr 2012				
d	Amount of recor	nciliation in current rate	\$0.00189		
е	Estimated amount of recond	ciliation - Feb-Apr 2012	\$359,646		
f less: Smart Grid expens	es through Jan 2012 less amount includ	ded in Nov11-Apr12 reconcilation	\$246,642		
g Reconciliation for May 1,	2012-April 30, 2013 (not remaining incl	luding Smart Grid expenses) (line a-line e-line f)	\$1,355,572		
h kWh purchases forecast	May-October 2012		413,684,262	49.77%	
i kWh purchases forecast	November 2012-April 2013		417,463,731	50.23%	
j Total			831,147,993		
k Reconciliation amount fo	r May-October 2012	(line g * line h%)	\$674,668		
I Reconciliation amount fo	r November 2012-April 2013	(line g * line i%)	<u>\$680,904</u>		
m Total	\$1,355,572				

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
				Ending Balance			Number of		
		Total Costs	Total Revenue	Before Interest	Average Monthly	Interest	Days /	Computed	Ending Balance with
	Beginning Balance	(Page 3)	(Page 4)	(a + b - c)	Balance ((a+d) / 2)	Rate	Month	Interest	Interest (d + h)
Feb-11	\$1,239,132	\$5,243,126	\$4,789,886	\$1,692,372	\$1,465,752	3.25%	28	\$3,654	\$1,696,026
Mar-11	\$1,696,026	\$4,972,219	\$5,700,779	\$967,466	\$1,331,746	3.25%	31	\$3,676	\$971,142
Apr-11	\$971,142	\$4,316,318	\$4,027,498	\$1,259,963	\$1,115,553	3.25%	30	\$2,980	\$1,262,943
May-11	\$1,262,943	\$3,497,252	\$3,926,309	\$833,886	\$1,048,414	3.25%	31	\$2,894	\$836,780
Jun-11	\$836,780	\$4,549,863	\$3,394,030	\$1,992,613	\$1,414,697	3.25%	30	\$3,779	\$1,996,392
Jul-11	\$1,996,392	\$5,790,052	\$5,883,082	\$1,903,363	\$1,949,878	3.25%	31	\$5,382	\$1,908,745
Aug-11	\$1,908,745	\$5,486,108	\$4,846,991	\$2,547,862	\$2,228,303	3.25%	31	\$6,151 (1)	\$2,554,013
Sep-11	\$2,554,013	\$3,844,244	\$4,324,576	\$2,073,681	\$2,313,847	3.25%	30	\$6,181	\$2,079,862
Oct-11	\$2,079,862	\$3,765,651	\$4,062,970	\$1,782,543	\$1,931,202	3.25%	31	\$5,331	\$1,787,873
Nov-11	\$1,787,873	\$3,968,932	\$4,057,410	\$1,699,396	\$1,743,634	3.25%	30	\$4,658	\$1,704,053
Dec-11	\$1,704,053	\$5,026,773	\$5,146,450	\$1,584,376	\$1,644,215	3.25%	31	\$4,538	\$1,588,915
Jan-12	\$1,588,915	\$5,731,596	\$5,363,531	\$1,956,980	\$1,772,947	3.25%	31	<u>\$4,880</u>	\$1,961,861
Total		\$56,192,135	\$55,523,511					\$54,104	

⁽¹⁾ Interest adjustment of \$172,675.60, related to customer billing adjustment, has been excluded. Interest on balances for September 2011-January 2012 do not include impacts due to customer billing adjustment.

Calculation of Working Capital

			Supplie	er Charges and	GIS Support F	Payments					
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Total Non-G1			Working		Supply	Provision	Internal			
	Class DS	GIS	Number of	Capital		Related	for	Company		Consulting	Total Costs
	Supplier	Support	Days of Lag /	Requirement		Working	Uncollected	Administrative		Outside Service	(sum a + b + f +
	Charges (1)	Payments	365	((a+b)*c)	Prime Rate	Capital (d * e)	Accounts	Costs	Legal Charges	Charges	g + h + i + j)
F.1. 44	#5.440.000	# 0.40	4.000/	#004.000	0.050/	#7.004	#40.000	#4.000	Φ0	# 40.005	ΦE 0.40.400
Feb-11	\$5,149,283	\$643	4.36%	\$224,339	3.25%	\$7,291	\$43,006	\$1,999	\$0	\$40,905	\$5,243,126
Mar-11	\$4,937,013	\$650	4.36%	\$215,093	3.25%	\$6,991	\$18,746	\$1,999	\$0	\$6,820	\$4,972,219
Apr-11	\$4,218,507	\$561	4.36%	\$183,790	3.25%	\$5,973	\$66,892	\$1,999	\$755	\$21,631	\$4,316,318
May-11	\$3,390,536	\$600	6.05%	\$205,141	3.25%	\$6,667	\$50,113	\$1,999	\$0	\$47,336	\$3,497,252
Jun-11	\$4,435,027	\$504	6.05%	\$268,319	3.25%	\$8,720	\$58,436	\$1,999	\$0	\$45,177	\$4,549,863
Jul-11	\$5,670,122	\$507	6.05%	\$343,034	3.25%	\$11,149	\$50,374	\$1,999	\$0	\$55,901	\$5,790,052
Aug-11	\$5,393,329	\$774	6.05%	\$326,306	3.25%	\$10,605	\$64,567	\$1,999	\$0	\$14,834	\$5,486,108
Sep-11	\$3,777,506	\$700	6.05%	\$228,556	3.25%	\$7,428	\$44,688	\$1,999	\$0	\$11,922	\$3,844,244
Oct-11	\$3,700,674	\$627	6.05%	\$223,903	3.25%	\$7,277	\$37,431	\$1,999	\$0	\$17,643	\$3,765,651
Nov-11	\$3,902,249	\$553	6.05%	\$236,093	3.25%	\$7,673	\$55,248	\$2,069	\$0	\$1,141	\$3,968,932
Dec-11	\$4,967,639	\$500	6.05%	\$300,538	3.25%	\$9,767	\$13,488	\$2,069	\$0	\$33,309	\$5,026,773
Jan-12	\$5,675,626	<u>\$523</u>	6.05%	\$343,368	3.25%	\$11,159	<u>\$37,868</u>	<u>\$2,069</u>	<u>(\$519)</u>	<u>\$4,870</u>	\$5,731,596
Total	\$55,217,511	\$7,141				\$100,701	\$540,858	\$24,200	\$235	\$301,488	\$56,192,135

	(a) Total Non-G1 Class Billed	(b)	(c) Non-G1 Class	(d) Effective Fixed	(e) Non-G1 Class Unbilled Power	(f) Reversal of	(g) Total Billed Non- G1 Class Power	(h)
	Default Service	Unbilled Factor	Unbilled kWh	Power Supply	Supply Charge	prior month	Supply Charge	Total Revenue
	kWh (1)	(2)	(a * b)	Charge	Revenue (c * d)	unbilled	Revenue (1)	(e + f + g)
Feb-11	68,567,125	45.23%	31,011,033	\$0.07686	\$2,383,508	(\$2,871,928)	\$5,278,306	\$4,789,886
Mar-11	62,137,929	69.22%	43,009,697	\$0.07686	\$3,305,725	(\$2,383,508)	\$4,778,562	\$5,700,779
Apr-11	59,671,105	59.94%	35,767,955	\$0.07686	\$2,749,125	(\$3,305,725)	\$4,584,098	\$4,027,498
May-11	52,108,888	75.96%	39,581,605	\$0.07094	\$2,807,919	(\$2,749,125)	\$3,867,515	\$3,926,309
Jun-11	57,729,971	51.51%	29,739,033	\$0.07094	\$2,109,687	(\$2,807,919)	\$4,092,262	\$3,394,030
Jul-11	71,072,368	58.52%	41,592,239	\$0.07094	\$2,950,553	(\$2,109,687)	\$5,042,215	\$5,883,082
Aug-11	73,381,981	49.79%	36,537,814	\$0.07094	\$2,591,993	(\$2,950,553)	\$5,205,552 (3)	\$4,846,991
Sep-11	68,146,795	43.05%	29,335,591	\$0.07094	\$2,081,067	(\$2,591,993)	\$4,835,502	\$4,324,576
Oct-11	55,076,892	57.30%	31,556,350	\$0.07094	\$2,238,607	(\$2,081,067)	\$3,905,429	\$4,062,970
Nov-11	55,717,396	49.98%	27,849,670	\$0.07802	\$2,172,831	(\$2,238,607)	\$4,123,186	\$4,057,410
Dec-11	59,037,815	59.02%	34,843,228	\$0.07802	\$2,718,469	(\$2,172,831)	\$4,600,812	\$5,146,450
Jan-12	69,037,974	49.98%	34,502,251	\$0.07802	\$2,691,866	(\$2,718,469)	\$5,390,134	\$5,363,531
Total	751,686,240				\$30,801,350	(\$30,981,413)	\$55,703,574	\$55,523,511

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

	Direct	
Billed	Estimate of	Unbilled kWh /
kWh	Unbilled kWh	Billed kWh
77,003,275	34,826,473	45.23%
71,008,038	49,149,276	69.22%
68,387,908	40,992,967	59.94%
60,153,066	45,691,915	75.96%
66,491,391	34,252,385	51.51%
81,000,164	47,402,082	58.52%
83,036,865	41,345,102	49.79%
77,812,291	33,496,359	43.05%
63,636,811	36,460,762	57.30%
64,142,427	32,060,820	49.98%
67,209,234	39,665,876	59.02%
78,432,275	39,197,125	49.98%
	kWh 77,003,275 71,008,038 68,387,908 60,153,066 66,491,391 81,000,164 83,036,865 77,812,291 63,636,811 64,142,427 67,209,234	Billed kWh Unbilled kWh 77,003,275 34,826,473 71,008,038 49,149,276 68,387,908 40,992,967 60,153,066 45,691,915 66,491,391 34,252,385 81,000,164 47,402,082 83,036,865 41,345,102 77,812,291 33,496,359 63,636,811 36,460,762 64,142,427 32,060,820 67,209,234 39,665,876

⁽³⁾ Customer billing adjustment of (\$1,152,493.18) as provided on Schedule LSM-2, Page 5, has been excluded.

Calculation of Working Capital

			Supplie	r Charges and	GIS Support F	Payments					
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Total Non-G1			Working		Supply	Provision	Internal			
	Class DS	GIS	Number of	Capital		Related	for	Company		Consulting	Total Costs
	Supplier	Support	Days of Lag /	Requirement		Working	Uncollected	Administrative		Outside Service	e (sum a + b + f +
	Charges (1)	Payments	365	((a+b)*c)	Prime Rate	Capital (d * e)	Accounts	Costs	Legal Charges	Charges	g + h + i + j)
May-12	\$3,341,312	\$524	5.94%	\$198,587	3.25%	\$6,454	\$69,888	\$2,069	\$0	\$0	\$3,420,246
Jun-12	\$3,992,250	\$508	5.94%	\$237,268	3.25%	\$7,711	\$76,877	\$2,069	\$0	\$0	\$4,079,415
Jul-12	\$4,352,681	\$617	5.94%	\$258,693	3.25%	\$8,408	\$76,877	\$2,069	\$0	\$0	\$4,440,651
Aug-12	\$5,096,474	\$616	5.94%	\$302,893	3.25%	\$9,844	\$76,877	\$2,069	\$0	\$0	\$5,185,879
Sep-12	\$3,652,573	\$718	5.94%	\$217,096	3.25%	\$7,056	\$62,899	\$2,069	\$0	\$0	\$3,725,315
Oct-12	\$3,808,636	<u>\$562</u>	5.94%	\$226,360	3.25%	<u>\$7,357</u>	\$48,922	\$2,069	<u>\$0</u>	<u>\$0</u>	\$3,867,544
Total	\$24,243,926	\$3,544		\$1,440,898		\$46,829	\$412,339	\$12,413	\$0	\$0	\$24,719,051

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

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

Residential Rate D 500 kWh Bill

	2/1/2012	5/1/2012					%
Rate Components	Current Rate	As Revised	<u>Difference</u>	Current Bill*	As Revised Bill*	<u>Difference</u>	Difference to Total Bill
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	\$/kWh	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.02750	\$0.02750	\$0.00000	\$6.88	\$6.88	\$0.00	0.0%
Excess 250 kWh	\$0.03250	\$0.03250	\$0.00000	\$8.13	\$8.13	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$7.40	\$7.40	\$0.00	0.0%
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000	(\$0.02)	(\$0.02)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$0.48	\$0.48	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$1.65	\$1.65	\$0.00	0.0%
Default Service Charge	\$0.08026	\$0.06847	(\$0.01179)	\$40.13	<u>\$34.24</u>	<u>(\$5.90)</u>	(7.9%)
First 250 kWh	\$0.12677	\$0.11498	(\$0.01179)				
Excess 250 kWh	\$0.13177	\$0.11998	(\$0.01179)				
Total Bill			,	\$74.91	\$69.01	(\$5.90)	(7.9%)

^{*} Impacts do not include the Electricity Consumption Tax.

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

Regular Genera	I G2 Quick Reco	very Water He	ating and Spa	ce Heating 2,00	00 kWh Typical Bil	<u>L</u>	
	2/1/2012	5/1/2012					% Difference to
Rate Components	Current Rate	As Revised	<u>Difference</u>	Current Bill*	As Revised Bill*	<u>Difference</u>	Total Bill
Customer Charge	\$5.60	\$5.60	\$0.00	\$5.60	\$5.60	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.02789	\$0.02789	\$0.00000	\$55.78	\$55.78	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$29.58	\$29.58	\$0.00	0.0%
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000	(\$0.08)	(\$0.08)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$1.92	\$1.92	\$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>\$0.08026</u>	\$0.06847	(\$0.01179)	\$160.52	<u>\$136.94</u>	(\$23.58)	<u>(9.1%)</u>
Total	\$0.12716	\$0.11537	(\$0.01179)	\$254.32	\$230.74	(\$23.58)	(9.1%)
Total Bill				\$259.92	\$236.34	(\$23.58)	(9.1%)

	Regular Ge	neral G2 kWh	Meter 125 kW	h Typical Bill			
	2/1/2012	5/1/2012					% Difference to
Rate Components	Current Rate	As Revised	Difference	Current Bill*	As Revised Bill*	<u>Difference</u>	Total Bill
Customer Charge	\$12.50	\$12.50	\$0.00	\$12.50	\$12.50	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.02910	\$0.02910	\$0.00000	\$3.64	\$3.64	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$1.85	\$1.85	\$0.00	0.0%
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000	(\$0.01)	(\$0.01)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$0.12	\$0.12	\$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>\$0.08026</u>	\$0.06847	<u>(\$0.01179)</u>	<u>\$10.03</u>	<u>\$8.56</u>	<u>(\$1.47)</u>	(5.2%)
Total	\$0.12837	\$0.11658	(\$0.01179)	\$16.05	\$14.57	(\$1.47)	(5.2%)
Total Bil	<u> </u>			\$28.55	\$27.07	(\$1.47)	(5.2%)

^{*} Impacts do not include the Electricity Consumption Tax.

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

	Regular Gene	ral G2 Demand	d, 10 kW, 3,00	0 kWh Typical	Bill		
	2/1/2012	5/1/2012					% Difference to
Rate Components	Current Rate	As Revised	Difference	Current Bill*	As Revised Bill*	Difference	Total Bill
Customer Charge	\$16.50	\$16.50	\$0.00	\$16.50	\$16.50	\$0.00	0.0%
	All kW	All kW					
Distribution Charge	\$9.24	\$9.24	\$0.00	\$92.40	\$92.40	\$0.00	0.0%
Stranded Cost Charge	<u>(\$0.01)</u>	<u>(\$0.01)</u>	\$0.00	<u>(\$0.10)</u>	<u>(\$0.10)</u>	<u>\$0.00</u>	<u>0.0%</u>
Total	\$9.23	\$9.23	\$0.00	\$92.30	\$92.30	\$0.00	0.0%
	\$/kWh	<u>\$/kWh</u>					
Distribution Charge	\$0.00034	\$0.00034	\$0.00000	\$1.02	\$1.02	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$44.37	\$44.37	\$0.00	0.0%
Stranded Cost Charge	(\$0.00001)	(\$0.00001)	\$0.00000	(\$0.03)	(\$0.03)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$2.88	\$2.88	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$9.90	\$9.90	\$0.00	0.0%
Default Service Charge	\$0.08026	\$0.06847	(\$0.01179)	\$240.78	<u>\$205.41</u>	(\$35.37)	(8.7%)
Total	\$0.09964	\$0.08785	(\$0.01179)	\$298.92	\$263.55	(\$35.37)	(8.7%)
Total Bill				\$407.72	\$372.35	(\$35.37)	(8.7%)

Large General - G1 550 kVa, 200,000 kWh Typical Bill										
	2/1/2012	5/1/2012					% Difference to			
Rate Components	Current Rate	As Revised	<u>Difference</u>	Current Bill*	As Revised Bill*	<u>Difference</u>	Total Bill			
Customer Charge	\$87.09	\$87.09	\$0.00	\$87.09	\$87.09	\$0.00	0.0%			
Distribution Charge Stranded Cost Charge Total	All kVa \$6.25 (\$0.01) \$6.24	All kVa \$6.25 (\$0.01) \$6.24	\$0.00 <u>\$0.00</u> \$0.00	\$3,437.50 (<u>\$5.50)</u> \$3,432.00	\$3,437.50 (<u>\$5.50)</u> \$3,432.00	\$0.00 <u>\$0.00</u> \$0.00	0.0% <u>0.0%</u> 0.0%			
Distribution Charge	\$0.00034	\$0.00034	\$0.00000	\$68.00	\$68.00	\$0.00	0.0%			
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$2,958.00	\$2,958.00	\$0.00	0.0%			
Stranded Cost Charge	(\$0.00001)	(\$0.00001)	\$0.00000	(\$2.00)	(\$2.00)	\$0.00	0.0%			
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$192.00	\$192.00	\$0.00	0.0%			
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$660.00	\$660.00	\$0.00	0.0%			
Default Service Charge	\$0.06723	\$0.04308	(\$0.02415)	\$13,446.00	\$8,616.00	(\$4,830.00)	(23.2%)			
Total	\$0.08661	\$0.06246	(\$0.02415)	\$17,322.00	\$12,492.00	(\$4,830.00)	(23.2%)			
Total Bil	I			\$20,841.09	\$16,011.09	(\$4,830.00)	(23.2%)			

^{*} 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 648 kWh Bill - Mean Use*

	2/1/2012	5/1/2012					%
Rate Components	Current Rate	As Revised	<u>Difference</u>	Current Bill**	As Revised Bill**	Difference	<u>Difference</u> to Total Bill
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	\$/kWh	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.02750	\$0.02750	\$0.00000	\$6.88	\$6.88	\$0.00	0.0%
Excess 250 kWh	\$0.03250	\$0.03250	\$0.00000	\$12.94	\$12.94	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$9.58	\$9.58	\$0.00	0.0%
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000	(\$0.03)	(\$0.03)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$0.62	\$0.62	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$2.14	\$2.14	\$0.00	0.0%
Default Service Charge	\$0.08026	\$0.06847	(\$0.01179)	\$52.01	\$44.37	(\$7.64)	(8.1%)
First 250 kWh	\$0.12677	\$0.11498	(\$0.01179)		<u> </u>		
Excess 250 kWh	\$0.13177	\$0.11998	(\$0.01179)				
Total Bill				\$94.41	\$86.77	(\$7.64)	(8.1%)

Residential Rate D 543 kWh Bill - Median Use*

	2/1/2012	5/1/2012					%
Rate Components	Current Rate	As Revised	Difference	Current Bill**	As Revised Bill**	Difference	Difference to Total Bill
rate components	<u>Odrieni rate</u>	710 ITCVIOCO	Dillororioo	<u> </u>	710 PROVIDED DIII	Dilicionoc	to rotar bili
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	\$/kWh	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.02750	\$0.02750	\$0.00000	\$6.88	\$6.88	\$0.00	0.0%
Excess 250 kWh	\$0.03250	\$0.03250	\$0.00000	\$9.52	\$9.52	\$0.00	0.0%
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000	\$8.03	\$8.03	\$0.00	0.0%
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000	(\$0.02)	(\$0.02)	\$0.00	0.0%
Storm Recovery Adj.	\$0.00096	\$0.00096	\$0.00000	\$0.52	\$0.52	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$1.79	\$1.79	\$0.00	0.0%
Default Service Charge	\$0.08026	\$0.06847	(\$0.01179)	\$43.58	<u>\$37.18</u>	(\$6.40)	(7.9%)
First 250 kWh	\$0.12677	\$0.11498	(\$0.01179)				
Excess 250 kWh	\$0.13177	\$0.11998	(\$0.01179)				
Total Bill			<u> </u>	\$80.57	\$74.17	(\$6.40)	(7.9%)

^{*} Based on billing period March 2011 through February 2012.
** Impacts do not include the Electricity Consumption Tax.

Unitil Energy Systems, Inc. Average Class Bill Impacts Due to Proposed Default Service Rate Changes Effective May 1, 2012

(A) <u>Class of Service</u>	(B) Annual Number of Customers (luminaires for Outdoor Lighting)	(C) Annual kWh <u>Sales</u>	(D) Annual kW / kVA <u>Sales</u>	(E) Proposed DSC <u>Change \$</u>	(F) Estimated Annual Revenue \$ Under Present Rates	(G) Estimated Annual Revenue \$ Under Proposed Rates	(H) Proposed Net Change <u>Revenue \$</u>	(I) % Change DSC <u>Revenue</u>
Residential	763,694	480,638,599	n/a	(\$5,666,729)	\$70,312,841	\$64,646,112	(\$5,666,729)	(8.1%)
General Service	129,249	340,275,469	1,301,458	(\$4,011,848)	\$48,154,827	\$44,142,979	(\$4,011,848)	(8.3%)
Large General Service	1,814	347,650,754	989,158	(\$8,395,766)	\$36,265,225	\$27,869,459	(\$8,395,766)	(23.2%)
Outdoor Lighting	115,819	8,988,739	n/a	(\$105,977)	\$2,453,856	\$2,347,879	(\$105,977)	(4.3%)
Total	1,010,576	1,177,553,561		(\$18,180,320)	\$157,186,749	\$139,006,429	(\$18,180,320)	(11.6%)

⁽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, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on D Rate Customers

Average <u>kWh</u>	Total Bill Using Rates <u>2/1/2012</u>	Total Bill Using Rates <u>5/1/2012</u>	Total <u>Difference</u>	% Total <u>Difference</u>
125	\$26.12	\$24.64	(\$1.47)	(5.6%)
250	\$41.96	\$39.02	(\$2.95)	(7.0%)
500	\$74.91	\$69.01	(\$5.90)	(7.9%)
600	\$88.08	\$81.01	(\$7.07)	(8.0%)
750	\$107.85	\$99.01	(\$8.84)	(8.2%)
1,000	\$140.79	\$129.00	(\$11.79)	(8.4%)
1,250	\$173.73	\$159.00	(\$14.74)	(8.5%)
1,500	\$206.68	\$188.99	(\$17.69)	(8.6%)
2,000	\$272.56	\$248.98	(\$23.58)	(8.7%)
3,500	\$470.22	\$428.95	(\$41.27)	(8.8%)
5,000	\$667.87	\$608.92	(\$58.95)	(8.8%)

		Rates - Effective February 1, 2012	Rates - Proposed May 1, 2012	Difference
Customer Charge		\$10.27	\$10.27	\$0.00
		<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge:	First 250 kWh	\$0.02750	\$0.02750	\$0.00000
	Excess 250 kWh	\$0.03250	\$0.03250	\$0.00000
External Delivery Ch	arge	\$0.01479	\$0.01479	\$0.00000
Stranded Cost Charg	ge	(\$0.00004)	(\$0.00004)	\$0.00000
Storm Recovery Adj	ustment Factor	\$0.00096	\$0.00096	\$0.00000
System Benefits Cha	arge	\$0.00330	\$0.00330	\$0.00000
Default Service Char	rge	\$0.08026	<u>\$0.06847</u>	(\$0.01179)
TOTAL	First 250 kWh	\$0.12677	\$0.11498	(\$0.01179)
	Excess 250 kWh	\$0.13177	\$0.11998	(\$0.01179)

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on G2 Rate Customers

Load <u>Factor</u>	Average Monthly <u>kW</u>	Average Monthly <u>kWh</u>	Total Bill Using Rates <u>2/1/2012</u>	Total Bill Using Rates <u>5/1/2012</u>	Total <u>Difference</u>	% Total <u>Difference</u>
20%	5	730	\$135.39	\$126.78	(\$8.61)	(6.4%)
20%	10	1,460	\$254.27	\$237.06	(\$17.21)	(6.8%)
20%	15	2,190	\$373.16	\$347.34	(\$25.82)	(6.9%)
20%	25	3,650	\$610.94	\$567.90	(\$43.03)	(7.0%)
20%	50	7,300	\$1,205.37	\$1,119.31	(\$86.07)	(7.1%)
20%	75	10,950	\$1,799.81	\$1,670.71	(\$129.10)	(7.2%)
20%	100	14,600	\$2,394.24	\$2,222.11	(\$172.13)	(7.2%)
20%	150	21,900	\$3,583.12	\$3,324.92	(\$258.20)	(7.2%)
36%	5	1,314	\$193.58	\$178.08	(\$15.49)	(8.0%)
36%	10	2,628	\$370.65	\$339.67	(\$30.98)	(8.4%)
36%	15	3,942	\$547.73	\$501.25	(\$46.48)	(8.5%)
36%	25	6,570	\$901.88	\$824.42	(\$77.46)	(8.6%)
36%	50	13,140	\$1,787.27	\$1,632.35	(\$154.92)	(8.7%)
36%	75	19,710	\$2,672.65	\$2,440.27	(\$232.38)	(8.7%)
36%	100	26,280	\$3,558.04	\$3,248.20	(\$309.84)	(8.7%)
36%	150	39,420	\$5,328.81	\$4,864.05	(\$464.76)	(8.7%)
50%	5	1,825	\$244.49	\$222.98	(\$21.52)	(8.8%)
50%	10	3,650	\$472.49	\$429.45	(\$43.03)	(9.1%)
50%	15	5,475	\$700.48	\$635.93	(\$64.55)	(9.2%)
50%	25	9,125	\$1,156.47	\$1,048.88	(\$107.58)	(9.3%)
50%	50	18,250	\$2,296.43	\$2,081.26	(\$215.17)	(9.4%)
50%	75	27,375	\$3,436.40	\$3,113.64	(\$322.75)	(9.4%)
50%	100	36,500	\$4,576.36	\$4,146.03	(\$430.34)	(9.4%)
50%	150	54,750	\$6,856.29	\$6,210.79	(\$645.50)	(9.4%)

	Rates - Effective February 1, 2012	Rates - Proposed May 1, 2012	Difference
Customer Charge	\$16.50	\$16.50	\$0.00
	All kW	<u>All kW</u>	All kW
Distribution Charge	\$9.24	\$9.24	\$0.00
Stranded Cost Charge	<u>(\$0.01)</u>	<u>(\$0.01)</u>	\$0.00
TOTAL	\$9.23	\$9.23	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge	\$0.00034	\$0.00034	\$0.00000
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000
Stranded Cost Charge	(\$0.00001)	(\$0.00001)	\$0.00000
Storm Recovery Adj. Factor	\$0.00096	\$0.00096	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	\$0.08026	\$0.06847	(\$0.01179)
TOTAL	\$0.09964	\$0.08785	(\$0.01179)

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on G2 kWh Meter Rate Customers

Average Monthly <u>kWh</u>	Total Bill Using Rates <u>2/1/2012</u>	Total Bill Using Rates <u>5/1/2012</u>	Total <u>Difference</u>	% Total <u>Difference</u>
15	\$14.43	\$14.25	(\$0.18)	(1.2%)
75	\$22.13	\$21.24	(\$0.88)	(4.0%)
150	\$31.76	\$29.99	(\$1.77)	(5.6%)
250	\$44.59	\$41.65	(\$2.95)	(6.6%)
350	\$57.43	\$53.30	(\$4.13)	(7.2%)
450	\$70.27	\$64.96	(\$5.31)	(7.6%)
550	\$83.10	\$76.62	(\$6.48)	(7.8%)
650	\$95.94	\$88.28	(\$7.66)	(8.0%)
750	\$108.78	\$99.94	(\$8.84)	(8.1%)
900	\$128.03	\$117.42	(\$10.61)	(8.3%)

	Rates - Effective February 1, 2012	Rates - Proposed May 1, 2012	Difference
kWh Meter Customer Charge	\$12.50	\$12.50	\$0.00
	All kWh	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.02910	\$0.02910	\$0.00000
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000
Storm Recovery Adjustment Factor	\$0.00096	\$0.00096	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	\$0.08026	\$0.06847	(\$0.01179)
TOTAL	\$0.12837	\$0.11658	(\$0.01179)

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on G2 QRWH and SH Rate Customers

Average <u>kWh</u>	Total Bill Using Rates <u>2/1/2012</u>	Total Bill Using Rates <u>5/1/2012</u>	Total <u>Difference</u>	% Total <u>Difference</u>
100	\$18.32	\$17.14	(\$1.18)	(6.4%)
200	\$31.03	\$28.67	(\$2.36)	(7.6%)
300	\$43.75	\$40.21	(\$3.54)	(8.1%)
400	\$56.46	\$51.75	(\$4.72)	(8.4%)
500	\$69.18	\$63.29	(\$5.89)	(8.5%)
750	\$100.97	\$92.13	(\$8.84)	(8.8%)
1,000	\$132.76	\$120.97	(\$11.79)	(8.9%)
1,500	\$196.34	\$178.66	(\$17.69)	(9.0%)
2,000	\$259.92	\$236.34	(\$23.58)	(9.1%)
2,500	\$323.50	\$294.03	(\$29.48)	(9.1%)

	Rates - Effective February 1, 2012	Rates - Proposed May 1, 2012	Difference
Customer Charge	\$5.60	\$5.60	\$0.00
	<u>All kWh</u>	<u>All kWh</u>	All kWh
Distribution Charge	\$0.02789	\$0.02789	\$0.00000
External Delivery Charge	\$0.01479	\$0.01479	\$0.00000
Stranded Cost Charge	(\$0.00004)	(\$0.00004)	\$0.00000
Storm Recovery Adjustment Factor	\$0.00096	\$0.00096	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	<u>\$0.08026</u>	<u>\$0.06847</u>	(\$0.01179)
TOTAL	\$0.12716	\$0.11537	(\$0.01179)

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on G1 Rate Customers

Load <u>Factor</u>	Average Monthly <u>kVa</u>	Average Monthly <u>kWh</u>	Total Bill Using Rates <u>2/1/2012</u>	Total Bill Using Rates <u>5/1/2012</u>	Total <u>Difference</u>	% Total <u>Difference</u>
25.0%	200	36,500	\$4,496.36	\$3,614.88	(\$881.47)	(19.6%)
25.0%	400	73,000	\$8,905.62	\$7,142.67	(\$1,762.95)	(19.8%)
25.0%	600	109,500	\$13,314.89	\$10,670.46	(\$2,644.43)	(19.9%)
25.0%	800	146,000	\$17,724.15	\$14,198.25	(\$3,525.90)	(19.9%)
25.0%	1,000	182,500	\$22,133.42	\$17,726.04	(\$4,407.38)	(19.9%)
25.0%	1,500	273,750	\$33,156.58	\$26,545.52	(\$6,611.06)	(19.9%)
25.0%	2,000	365,000	\$44,179.74	\$35,364.99	(\$8,814.75)	(20.0%)
25.0%	2,500	456,250	\$55,202.90	\$44,184.47	(\$11,018.44)	(20.0%)
25.0%	3,000	547,500	\$66,226.07	\$53,003.94	(\$13,222.13)	(20.0%)
40.0%	200	58,400	\$6,393.11	\$4,982.75	(\$1,410.36)	(22.1%)
40.0%	400	116,800	\$12,699.14	\$9,878.42	(\$2,820.72)	(22.2%)
40.0%	600	175,200	\$19,005.16	\$14,774.08	(\$4,231.08)	(22.3%)
40.0%	800	233,600	\$25,311.19	\$19,669.75	(\$5,641.44)	(22.3%)
40.0%	1,000	292,000	\$31,617.21	\$24,565.41	(\$7,051.80)	(22.3%)
40.0%	1,500	438,000	\$47,382.27	\$36,804.57	(\$10,577.70)	(22.3%)
40.0%	2,000	584,000	\$63,147.33	\$49,043.73	(\$14,103.60)	(22.3%)
40.0%	2,500	730,000	\$78,912.39	\$61,282.89	(\$17,629.50)	(22.3%)
40.0%	3,000	876,000	\$94,677.45	\$73,522.05	(\$21,155.40)	(22.3%)
57.0%	200	83,220	\$8,542.77	\$6,533.01	(\$2,009.76)	(23.5%)
57.0%	400	166,440	\$16,998.46	\$12,978.93	(\$4,019.53)	(23.6%)
57.0%	600	249,660	\$25,454.14	\$19,424.85	(\$6,029.29)	(23.7%)
57.0%	800	332,880	\$33,909.83	\$25,870.77	(\$8,039.05)	(23.7%)
57.0%	1,000	416,100	\$42,365.51	\$32,316.70	(\$10,048.82)	(23.7%)
57.0%	1,500	624,150	\$63,504.72	\$48,431.50	(\$15,073.22)	(23.7%)
57.0%	2,000	832,200	\$84,643.93	\$64,546.30	(\$20,097.63)	(23.7%)
57.0%	2,500	1,040,250	\$105,783.14	\$80,661.11	(\$25,122.04)	(23.7%)
57.0%	3,000	1,248,300	\$126,922.35	\$96,775.91	(\$30,146.45)	(23.8%)
71.0%	200	103,660	\$10,313.08	\$7,809.69	(\$2,503.39)	(24.3%)
71.0%	400	207,320	\$20,539.08	\$15,532.30	(\$5,006.78)	(24.4%)
71.0%	600	310,980	\$30,765.07	\$23,254.90	(\$7,510.17)	(24.4%)
71.0%	800	414,640	\$40,991.06	\$30,977.50	(\$10,013.56)	(24.4%)
71.0%	1,000	518,300	\$51,217.05	\$38,700.11	(\$12,516.95)	(24.4%)
71.0%	1,500	777,450	\$76,782.03	\$58,006.62	(\$18,775.42)	(24.5%)
71.0%	2,000	1,036,600	\$102,347.02	\$77,313.13	(\$25,033.89)	(24.5%)
71.0%	2,500	1,295,750	\$127,912.00	\$96,619.64	(\$31,292.36)	(24.5%)
71.0%	3,000	1,554,900	\$153,476.98	\$115,926.14	(\$37,550.84)	(24.5%)

	Rates - Effective February 1, 2012	Rates - Proposed May 1, 2012	Difference
Customer Charge	\$87.09	\$87.09	\$0.00
Distribution Charge Stranded Cost Charge TOTAL	<u>All kVA</u> \$6.25 (\$0.01) \$6.24	All kVA \$6.25 (\$0.01) \$6.24	All kVA \$0.00 \$0.00 \$0.00
Distribution Charge External Delivery Charge Stranded Cost Charge Storm Recovery Adjustment Factor System Benefits Charge Default Service Charge* TOTAL	All kWh \$0.00034 \$0.01479 (\$0.00001) \$0.00096 \$0.00330 \$0.06723 \$0.08661	All kWh \$0.00034 \$0.01479 (\$0.00001) \$0.00096 \$0.00330 \$0.04308 \$0.06246	All kWh \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 (\$0.02415)

^{*} 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, 2012 versus May 1, 2012 Impacts do NOT include the Electricity Consumption Tax Impact on OL Rate Customers*

					T. (-1 P'''	Ter-Lew		
	Nominal		_	Average	Total Bill Using Rates	Total Bill Using Rates	Total	% Total
	Watts	<u>Lumens</u>	<u>Type</u>	Monthly kWh	<u>2/1/2012</u>	<u>5/1/2012</u>	<u>Difference</u>	Differen
		ercury Vapor:						
	1 100	3,500	ST	40	\$14.09	\$13.62	(\$0.47)	(3.3%)
	2 175	7,000	ST	67	\$18.91	\$18.12	(\$0.79)	(4.2%)
	3 250	11,000	ST	95	\$23.51	\$22.39	(\$1.12)	(4.8%)
	4 400	20,000	ST	154	\$32.32	\$30.50	(\$1.82)	(5.6%)
	5 1,000	60,000	ST	388	\$73.66	\$69.08	(\$4.57)	(6.2%)
	6 250	11,000	FL	95	\$24.51	\$23.39	(\$1.12)	(4.6%)
	7 400	20,000	FL	154	\$33.61	\$31.79	(\$1.82)	(5.4%)
	8 1,000	60,000	FL	388	\$69.79	\$65.21	(\$4.57)	(6.6%)
	9 100	3,500	PB	40	\$14.20	\$13.73	(\$0.47)	(3.3%)
1	0 175	7,000	PB	67	\$18.15	\$17.36	(\$0.79)	(4.4%)
	<u>High</u>	Pressure Sodium:						
1	1 50	4,000	ST	21	\$12.41	\$12.16	(\$0.25)	(2.0%)
1	2 100	9,500	ST	43	\$16.06	\$15.56	(\$0.51)	(3.2%)
1	3 150	16,000	ST	60	\$17.81	\$17.10	(\$0.71)	(4.0%)
1	4 250	30,000	ST	101	\$25.22	\$24.03	(\$1.19)	(4.7%)
1	5 400	50,000	ST	161	\$35.49	\$33.59	(\$1.90)	(5.3%)
	6 1,000	140,000	ST	398	\$74.20	\$69.51	(\$4.69)	(6.3%)
1		16,000	FL	60	\$19.82	\$19.11	(\$0.71)	(3.6%)
	8 250	30,000	FL	101	\$26.62	\$25.43	(\$1.19)	(4.5%)
	9 400	50,000	FL	161	\$35.03	\$33.13	(\$1.90)	(5.4%)
	0 1,000	140,000	FL	398	\$74.51	\$69.82	(\$4.69)	(6.3%)
2		4,000	PB	21	\$11.54	\$11.29	(\$0.25)	(2.1%)
	2 100	95,000	PB	43	\$11.54 \$15.05	\$11.29 \$14.55	(\$0.23)	(3.4%)
_	100	50,000	. 5	· ·	Ţo	ŢO	(+0.)	(5.170)
		Metal Halide:				604	(An	,
	3 175	8,800	ST	66	\$22.39	\$21.62	(\$0.78)	(3.5%)
	4 250	13,500	ST	92	\$26.48	\$25.40	(\$1.08)	(4.1%)
	5 400	23,500	ST	148	\$32.75	\$31.01	(\$1.74)	(5.3%)
2	6 175	8,800	FL	66	\$25.05	\$24.28	(\$0.78)	(3.1%)
2	7 250	13,500	FL	92	\$29.22	\$28.14	(\$1.08)	(3.7%)
2	8 400	23,500	FL	148	\$34.84	\$33.10	(\$1.74)	(5.0%)
2	9 175	8,800	PB	66	\$21.29	\$20.52	(\$0.78)	(3.7%)
3	0 250	13,500	PB	92	\$24.89	\$23.81	(\$1.08)	(4.4%)
3	1 400	23,500	PB	148	\$31.65	\$29.91	(\$1.74)	(5.5%)
			inaire Charge	s For Year Round	Service:			
ates - Effective February 1		Lum				Metal Halide	Rate/Mo.	
ates - Effective February 1	, 2012		Rate/Mo.	Sodium Vapo	or Rate/Mo.	Metal Halide		
ates - Effective February 1		Lum	Rate/Mo. 1 \$10.11	Sodium Vapo	or Rate/Mo. \$10.32	23	3 \$15.82	
ates - Effective February 1	, 2012 \$0.00	Lum	Rate/Mo. 1 \$10.11 2 \$12.24	Sodium Vapo	\$10.32 \$11.78	23	3 \$15.82 4 \$17.32	
ates - Effective February 1	, 2012 \$0.00 <u>All kWh</u>	Lum	Rate/Mo. 1 \$10.11 2 \$12.24 3 \$14.05	<u>Sodium Vapo</u> 11 12 13	\$10.32 \$11.78 \$\$11.83	23 24 25	3 \$15.82 4 \$17.32 5 \$18.01	
ates - Effective February 1 ustomer Charge stribution Charge	, 2012 \$0.00 <u>All kWh</u> \$0.00034	Lum	Rate/Mo. 1 \$10.11 2 \$12.24 3 \$14.05 4 \$16.98	Sodium Vapo 11 12 13 14	\$10.32 \$11.78 \$\$\$11.83 \$\$\$\$15.16	23 24 25 26	3 \$15.82 4 \$17.32 5 \$18.01 6 \$18.48	
ustomer Charge stribution Charge eternal Delivery Charge	\$0.00 All kWh \$0.00034 \$0.01479	Lum	1 \$10.11 2 \$12.24 3 \$14.05 4 \$16.98 5 \$35.01	Sodium Vapo 11 12 13 14 15	\$10.32 2 \$11.78 3 \$11.83 4 \$15.16 5 \$19.45	23 24 25 20 27	3 \$15.82 4 \$17.32 5 \$18.01 6 \$18.48 7 \$20.06	
ustomer Charge stribution Charge ternal Delivery Charge randed Cost Charge	\$0.00 All kWh \$0.00034 \$0.01479 (\$0.00004)	Lum	1 \$10.11 2 \$12.24 3 \$14.05 4 \$16.98 5 \$35.01 6 \$15.05	Sodium Vapo 11 12 13 14 15 16	\$10.32 2 \$11.78 3 \$11.83 4 \$15.16 5 \$19.45 5 \$34.56	2: 24 2! 20 2: 21	3 \$15.82 4 \$17.32 5 \$18.01 6 \$18.48 7 \$20.06 8 \$20.10	
ustomer Charge stribution Charge ternal Delivery Charge randed Cost Charge orm Recovery Adj. Factor	\$0.00 All kWh \$0.00034 \$0.01479 \$0.00004) \$0.00096	Lum	1 \$10.11 2 \$12.24 3 \$14.05 4 \$16.98 5 \$35.01 6 \$15.05 7 \$18.27	Sodium Vapo 11 12 13 14 15 16 17	\$10.32 \$11.78 \$\$11.83 \$\$15.16 \$\$19.45 \$\$34.56 \$\$13.84	2: 2: 2: 2: 2: 2: 2:	3 \$15.82 4 \$17.32 5 \$18.01 6 \$18.48 7 \$20.06 8 \$20.10 9 \$14.72	
ustomer Charge stribution Charge ternal Delivery Charge randed Cost Charge orm Recovery Adj. Factor vstem Benefits Charge	\$0.00 All kWh \$0.00034 \$0.01479 (\$0.00004) \$0.00096 \$0.00330	Lum	Rate/Mo. 1 \$10.11 2 \$12.24 3 \$14.05 4 \$16.98 5 \$35.01 6 \$15.05 7 \$18.27 8 \$31.14	Sodium Vapo 11 12 13 14 15 16 17 17	\$10.32 \$11.78 \$\$11.83 \$\$15.16 \$\$19.45 \$34.56 \$\$13.84 \$\$16.56	23 2-2 20 21 21 22 21 30	3 \$15.82 4 \$17.32 5 \$18.01 6 \$18.48 7 \$20.06 8 \$20.10 9 \$14.72 0 \$15.73	
ustomer Charge stribution Charge ternal Delivery Charge randed Cost Charge orm Recovery Adj. Factor vstem Benefits Charge	\$0.00 All kWh \$0.00034 \$0.01479 \$0.00004) \$0.00096	Lum Mercury Vapor	Rate/Mo. 1 \$10.11 2 \$12.24 3 \$14.05 4 \$16.98 5 \$35.01 6 \$15.05 7 \$18.27 8 \$31.14 9 \$10.22	Sodium Vapo 11 12 13 14 15 16 17 18	\$10.32 \$11.78 \$11.83 \$\$15.16 \$\$19.45 \$\$34.56 \$\$13.84 \$\$16.56 \$\$18.99	2: 2: 2: 2: 2: 2: 2:	3 \$15.82 4 \$17.32 5 \$18.01 6 \$18.48 7 \$20.06 8 \$20.10 9 \$14.72 0 \$15.73	
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