

UNITIL ENERGY SYSTEMS, INC.
CALCULATION OF THE STRANDED COST CHARGE
Effective August 1, 2015

Uniform per kWh Charge

1. (Over)/under Recovery - Beginning Balance August 1, 2015	\$17,795	Page 3 of 6
2. Estimated Total Costs (August 2015 - July 2016)	\$201,684	Page 3 of 6
3. Estimated Interest (August 2015 - July 2016)	<u>\$118</u>	Page 3 of 6
4. Costs to be Recovered (L.1 + L.2 + L.3)	\$219,597	
5. Estimated Calendar Month Deliveries in kWh (August 2015 - July 2016) (1)	<u>1,215,932,720</u>	
6. Stranded Cost Charge (\$/kWh) (L.4 / L.5)	<u>\$0.00018</u>	

Development of Class Stranded Cost Charge

Class D, D - Controlled Off Peak Water Heating, G2 - kWh meter,
G2 - Quick Recovery Water Heating, G2 - Space Heating,
G2 Controlled Off Peak Water Heating, OL

7. Stranded Cost Charge (\$/kWh) (L.6)	\$0.00018
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Class G2 (2)

8. Estimated G2 Demand Revenue (August 2015 - July 2016)	\$49,518
9. Estimated G2 Deliveries in kW (August 2015 - July 2016)	<u>1,355,293</u>
10. Stranded Cost Charge (\$/kW) (L. 8 / L. 9)	\$0.04
11. G2 Energy Revenue (August 2015 - July 2016)	\$12,611
12. Estimated G2 Calendar Month Deliveries in kWh (August 2015 - July 2016) (1)	<u>345,162,788</u>
13. Stranded Cost Charge (\$/kWh) (L.11 / L.12)	\$0.00004

Class G1 (2)

14. Estimated G1 Demand Revenue (August 2015 - July 2016)	\$47,647
15. Estimated G1 Deliveries in kVA (August 2015 - July 2016)	<u>1,027,084</u>
16. Stranded Cost Charge (\$/kVA) (L. 14 / L. 15)	\$0.05
17. G1 Energy Revenue (August 2015 - July 2016)	\$16,544
18. Estimated G1 Calendar Month Deliveries in kWh (August 2015 - July 2016) (1)	<u>356,618,649</u>
19. Stranded Cost Charge (\$/kWh) (L.17 / L.18)	\$0.00005

(1) Schedule LSM-2, page 5.	Schedule LSM-1, page 4.	Schedule LSM-1, page 4.
Total Company	<u>G2 Demand</u>	<u>G1 Demand</u>
Aug 2015-Jul 2016 Billed kWh 1,215,462,406	Aug 2015-Jul 2016 Billed kWh 345,116,192	Aug 2015-Jul 2016 Billed kWh 356,378,089
- July 2015 Unbilled kWh (59,606,350)	- July 2015 Unbilled kWh (16,773,262)	- July 2015 Unbilled kWh (16,563,477)
+ July 2016 Unbilled kWh <u>60,076,664</u>	+ July 2016 Unbilled kWh <u>16,819,858</u>	+ July 2016 Unbilled kWh <u>16,804,037</u>
Calendar Month Deliveries 1,215,932,720	Calendar Month Deliveries 345,162,788	Calendar Month Deliveries 356,618,649

(2) Demand and energy calculated based on ratio of demand and energy revenue under current rates.

Calculation of Class G2 and G1 Demand and Energy Components

	Units (Aug 15 - Jul 16)	Current Rates	Revenue under current rates	% of Total	Revenue at Proposed Rates
G2 kW	1,355,293	\$0.04	\$54,212	80%	\$49,518
G2 kWh	345,162,788	\$0.00004	<u>\$13,807</u>	<u>20%</u>	<u>\$12,611</u>
Total			\$68,018	100%	\$62,129
G1 kVA	1,027,084	\$0.05	\$51,354	74%	\$47,647
G1 kWh	356,618,649	\$0.00005	<u>\$17,831</u>	<u>26%</u>	<u>\$16,544</u>
Total			\$69,185	100%	\$64,191

Unitil Energy Systems, Inc.

Reconciliation of Stranded Costs and Revenues

		(a) Beginning Balance	(b) Total Costs	(c) Total Revenue	(d) Ending Balance Before Interest (a + b - c)	(e) Average Monthly Balance ((a+d) / 2)	(f) Interest Rate	(g) Number of Days / Month	(h) Computed Interest	(i) Ending Balance with Interest (d + h)
Aug-13	Actual	\$90,333	\$18,077	\$23,192	\$85,217	\$87,775	3.25%	31	\$242	\$85,460
Sep-13	Actual	\$85,460	\$12,938	\$29,417	\$68,980	\$77,220	3.25%	30	\$206	\$69,187
Oct-13	Actual	\$69,187	\$21,327	\$26,304	\$64,210	\$66,698	3.25%	31	\$184	\$64,394
Nov-13	Actual	\$64,394	\$19,647	\$26,033	\$58,008	\$61,201	3.25%	30	\$163	\$58,172
Dec-13	Actual	\$58,172	\$20,462	\$29,403	\$49,230	\$53,701	3.25%	31	\$148	\$49,378
Jan-14	Actual	\$49,378	\$22,925	\$33,151	\$39,153	\$44,265	3.25%	31	\$122	\$39,275
Feb-14	Actual	\$39,275	(\$2,950)	\$28,064	\$8,261	\$23,768	3.25%	28	\$59	\$8,320
Mar-14	Actual	\$8,320	\$36,370	\$29,636	\$15,054	\$11,687	3.25%	31	\$32	\$15,086
Apr-14	Actual	\$15,086	\$21,651	\$24,157	\$12,580	\$13,833	3.25%	30	\$37	\$12,617
May-14	Actual	\$12,617	\$23,724	\$25,154	\$11,186	\$11,902	3.25%	31	\$33	\$11,219
Jun-14	Actual	\$11,219	\$21,540	\$28,761	\$3,998	\$7,609	3.25%	30	\$20	\$4,019
Jul-14	Actual	\$4,019	<u>\$38,375</u>	<u>\$31,533</u>	\$10,861	\$7,440	3.25%	31	<u>\$21</u>	\$10,881

Total Aug-13 to Jul-14

\$254,086 \$334,806 \$1,269

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		(a) Beginning Balance	(b) Total Costs	(c) Total Revenue	(d) Ending Balance Before Interest (a + b - c)	(e) Average Monthly Balance ((a+d) / 2)	(f) Interest Rate	(g) Number of Days / Month	(h) Computed Interest	(i) Ending Balance with Interest (d + h)
Aug-14	Actual	\$10,881	\$17,246	\$22,427	\$5,700	\$8,291	3.25%	31	\$23	\$5,723
Sep-14	Actual	\$5,723	\$19,901	\$19,244	\$6,381	\$6,052	3.25%	30	\$16	\$6,397
Oct-14	Actual	\$6,397	\$22,342	\$18,129	\$10,610	\$8,503	3.25%	31	\$23	\$10,633
Nov-14	Actual	\$10,633	\$20,729	\$17,900	\$13,462	\$12,048	3.25%	30	\$32	\$13,494
Dec-14	Actual	\$13,494	\$17,551	\$19,087	\$11,958	\$12,726	3.25%	31	\$35	\$11,993
Jan-15	Actual	\$11,993	\$19,620	\$20,181	\$11,432	\$11,712	3.25%	31	\$32	\$11,464
Feb-15	Actual	\$11,464	\$12,445	\$19,312	\$4,597	\$8,031	3.25%	28	\$20	\$4,617
Mar-15	Actual	\$4,617	\$18,826	\$19,235	\$4,209	\$4,413	3.25%	31	\$12	\$4,221
Apr-15	Actual	\$4,221	\$25,241	\$16,978	\$12,484	\$8,352	3.25%	30	\$22	\$12,506
May-15	Estimate	\$12,506	\$21,435	\$17,584	\$16,358	\$14,432	3.25%	31	\$40	\$16,397
Jun-15	Estimate	\$16,397	\$21,435	\$19,307	\$18,526	\$17,462	3.25%	30	\$47	\$18,573
Jul-15	Estimate	\$18,573	<u>\$21,435</u>	<u>\$22,263</u>	\$17,745	\$18,159	3.25%	31	<u>\$50</u>	\$17,795

Total Aug-14 to Jul-15

\$238,207 \$231,646 \$353

Unitil Energy Systems, Inc.

Reconciliation of Stranded Costs and Revenues

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending	Average	Interest Rate	Number of	Computed	Ending
		Balance			Balance Before	Monthly		Days /	Interest	Balance with
					Interest	Balance ((a+d)		Month		Interest
					(a + b - c)	/ 2)				(d + h)
Aug-15	Estimate	\$17,795	\$16,807	\$22,026	\$12,576	\$15,186	3.25%	31	\$42	\$12,618
Sep-15	Estimate	\$12,618	\$16,807	\$19,496	\$9,929	\$11,274	3.25%	30	\$30	\$9,959
Oct-15	Estimate	\$9,959	\$16,807	\$17,859	\$8,907	\$9,433	3.25%	31	\$26	\$8,933
Nov-15	Estimate	\$8,933	\$16,807	\$17,839	\$7,901	\$8,417	3.25%	30	\$22	\$7,924
Dec-15	Estimate	\$7,924	\$16,807	\$18,849	\$5,881	\$6,902	3.25%	31	\$19	\$5,900
Jan-16	Estimate	\$5,900	\$16,807	\$20,177	\$2,530	\$4,215	3.25%	31	\$12	\$2,542
Feb-16	Estimate	\$2,542	\$16,807	\$18,564	\$785	\$1,663	3.25%	29	\$4	\$789
Mar-16	Estimate	\$789	\$16,807	\$18,735	(\$1,138)	(\$175)	3.25%	31	(\$0)	(\$1,139)
Apr-16	Estimate	(\$1,139)	\$16,807	\$16,946	(\$1,278)	(\$1,209)	3.25%	30	(\$3)	(\$1,281)
May-16	Estimate	(\$1,281)	\$16,807	\$17,611	(\$2,085)	(\$1,683)	3.25%	31	(\$5)	(\$2,090)
Jun-16	Estimate	(\$2,090)	\$16,807	\$19,356	(\$4,638)	(\$3,364)	3.25%	30	(\$9)	(\$4,647)
Jul-16	Estimate	(\$4,647)	\$16,807	\$22,293	(\$10,133)	(\$7,390)	3.25%	31	<u>(\$20)</u>	(\$10,154)
Total Aug-15 to Jul-16			\$201,684	\$229,751					\$118	

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		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		Total Billed kWh - all classes except G2 demand and G1 (1)	Unbilled Factor (2)	Unbilled kWh (a * b)	Proposed SCC	Unbilled SCC Revenue (c * d)	Total Billed kWh - G2 demand (1)	Unbilled Factor (2)	Unbilled kWh (f * g)	Proposed SCC	Unbilled SCC Revenue (h * i)	Total Billed kWh - G1 (1)	Unbilled Factor (2)	Unbilled kWh (k * l)	Proposed SCC	Unbilled SCC Revenue (m * n)	Reversal of prior month unbilled (prior month, e + j + o)	Total Billed SCC Revenue (1)	Total Revenue (e + j + o + p + q)
Aug-13	Actual	52,697,052	44.39%	23,391,323	\$0.00027	\$6,316	34,045,099	50.00%	17,022,549	\$0.00006	\$1,021	33,762,021	50.00%	16,881,011	\$0.00007	\$1,182	(\$3,426)	\$18,100	\$23,192
Sep-13	Actual	47,111,600	40.03%	18,857,545	\$0.00027	\$5,092	33,149,935	47.02%	15,587,744	\$0.00006	\$935	33,009,593	47.02%	15,521,752	\$0.00007	\$1,087	(\$8,519)	\$30,823	\$29,417
Oct-13	Actual	33,538,853	64.41%	21,602,411	\$0.00027	\$5,833	25,364,704	62.95%	15,966,376	\$0.00006	\$958	27,500,151	62.95%	17,310,581	\$0.00007	\$1,212	(\$7,113)	\$25,415	\$26,304
Nov-13	Actual	39,479,129	53.83%	21,249,891	\$0.00027	\$5,737	27,290,615	47.50%	12,962,610	\$0.00006	\$778	28,649,347	47.50%	13,607,986	\$0.00007	\$953	(\$8,002)	\$26,567	\$26,033
Dec-13	Actual	45,049,838	58.90%	26,533,684	\$0.00027	\$7,164	27,194,423	54.52%	14,825,848	\$0.00006	\$890	27,404,729	54.52%	14,940,502	\$0.00007	\$1,046	(\$7,468)	\$27,772	\$29,403
Jan-14	Actual	56,256,320	58.84%	33,101,625	\$0.00027	\$8,937	30,706,485	58.93%	18,094,722	\$0.00006	\$1,086	27,753,940	58.93%	16,354,846	\$0.00007	\$1,145	(\$9,099)	\$31,082	\$33,151
Feb-14	Actual	51,336,977	52.78%	27,097,740	\$0.00027	\$7,316	30,383,100	52.20%	15,860,608	\$0.00006	\$952	28,825,385	52.20%	15,047,449	\$0.00007	\$1,053	(\$11,168)	\$29,911	\$28,064
Mar-14	Actual	46,339,415	66.08%	30,620,968	\$0.00027	\$8,268	28,498,745	71.44%	20,360,413	\$0.00006	\$1,222	26,564,271	71.44%	18,978,363	\$0.00007	\$1,328	(\$9,321)	\$28,140	\$29,636
Apr-14	Actual	40,530,383	56.55%	22,918,107	\$0.00027	\$6,188	26,897,096	62.23%	16,737,196	\$0.00006	\$1,004	27,459,377	62.23%	17,087,085	\$0.00007	\$1,196	(\$10,818)	\$26,587	\$24,157
May-14	Actual	35,745,766	60.56%	21,648,871	\$0.00027	\$5,845	26,376,323	62.67%	16,529,625	\$0.00006	\$992	27,763,300	62.67%	17,398,821	\$0.00007	\$1,218	(\$8,388)	\$25,487	\$25,154
Jun-14	Actual	36,031,528	80.77%	29,103,246	\$0.00027	\$7,858	27,626,414	66.02%	18,237,750	\$0.00006	\$1,094	29,483,088	66.02%	19,463,445	\$0.00007	\$1,362	(\$8,055)	\$26,501	\$28,761
Jul-14	Actual	48,403,207	58.48%	28,306,295	\$0.00027	\$7,643	33,316,516	61.50%	20,490,646	\$0.00006	\$1,229	32,533,664	61.50%	20,009,168	\$0.00007	\$1,401	(\$10,315)	\$31,575	\$31,533
Total Aug-13 to Jul-14		532,520,069		304,431,705		\$82,197	350,849,455		202,676,086		\$12,161	350,708,866		202,601,009		\$14,182	(\$101,693)	\$327,959	\$334,806

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		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		Total Billed kWh - all classes except G2 demand and G1 (1)	Unbilled Factor (2)	Unbilled kWh (a * b)	Proposed SCC	Unbilled SCC Revenue (c * d)	Total Billed kWh - G2 demand (1)	Unbilled Factor (2)	Unbilled kWh (f * g)	Proposed SCC	Unbilled SCC Revenue (h * i)	Total Billed kWh - G1 (1)	Unbilled Factor (2)	Unbilled kWh (k * l)	Proposed SCC	Unbilled SCC Revenue (m * n)	Reversal of prior month unbilled (prior month, e + j + o)	Total Billed SCC Revenue (1)	Total Revenue (e + j + o + p + q)
Aug-14	Actual	48,521,005	47.35%	22,974,957	\$0.00018	\$4,135	33,875,921	54.22%	18,368,658	\$0.00004	\$735	33,097,753	54.22%	17,946,709	\$0.00005	\$897	(\$10,273)	\$26,932	\$22,427
Sep-14	Actual	43,969,684	41.83%	18,394,483	\$0.00018	\$3,311	31,516,852	48.78%	15,374,074	\$0.00004	\$615	31,692,314	48.78%	15,459,666	\$0.00005	\$773	(\$5,768)	\$20,312	\$19,244
Oct-14	Actual	34,791,964	62.51%	21,749,191	\$0.00018	\$3,915	26,811,875	56.61%	15,179,399	\$0.00004	\$607	29,164,891	56.61%	16,511,546	\$0.00005	\$826	(\$4,699)	\$17,481	\$18,129
Nov-14	Actual	36,966,712	66.32%	24,515,006	\$0.00018	\$4,413	25,594,274	57.24%	14,649,921	\$0.00004	\$586	27,936,303	57.24%	15,990,476	\$0.00005	\$800	(\$5,348)	\$17,450	\$17,900
Dec-14	Actual	45,905,892	53.56%	24,588,503	\$0.00018	\$4,426	28,183,832	53.63%	15,114,105	\$0.00004	\$605	28,393,876	53.63%	15,226,745	\$0.00005	\$761	(\$5,798)	\$19,094	\$19,087
Jan-15	Actual	51,481,882	51.63%	26,579,892	\$0.00018	\$4,784	29,678,935	49.00%	14,543,898	\$0.00004	\$582	26,557,433	49.00%	13,014,234	\$0.00005	\$651	(\$5,792)	\$19,956	\$20,181
Feb-15	Actual	49,571,578	48.23%	23,909,258	\$0.00018	\$4,304	28,822,739	48.16%	13,881,251	\$0.00004	\$555	28,081,411	48.16%	13,524,222	\$0.00005	\$676	(\$6,017)	\$19,793	\$19,312
Mar-15	Actual	50,261,198	38.45%	19,325,222	\$0.00018	\$3,479	31,529,081	41.17%	12,981,987	\$0.00004	\$519	29,020,863	41.17%	11,949,237	\$0.00005	\$597	(\$5,535)	\$20,174	\$19,235
Apr-15	Actual	37,648,283	43.66%	16,438,227	\$0.00018	\$2,959	26,289,317	52.33%	13,756,038	\$0.00004	\$550	27,201,775	52.33%	14,233,487	\$0.00005	\$712	(\$4,595)	\$17,352	\$16,978
May-15	Estimate	34,510,639	53.86%	18,585,873	\$0.00018	\$3,345	25,589,699	55.47%	14,193,889	\$0.00004	\$568	28,135,303	55.47%	15,605,864	\$0.00005	\$780	(\$4,221)	\$17,111	\$17,584
Jun-15	Estimate	40,018,652	55.20%	22,091,649	\$0.00018	\$3,976	28,577,617	46.88%	13,395,758	\$0.00004	\$536	29,910,241	46.88%	14,020,426	\$0.00005	\$701	(\$4,694)	\$18,787	\$19,307
Jul-15	Estimate	47,066,110	55.89%	26,306,320	\$0.00018	\$4,735	33,228,246	50.48%	16,773,262	\$0.00004	\$671	32,812,657	50.48%	16,563,477	\$0.00005	\$828	(\$5,213)	\$21,242	\$22,263
Total Aug-14 to Jul-15		520,713,601		265,458,579		\$47,783	349,698,389		178,212,239		\$7,128	352,004,820		180,046,087		\$9,002	(\$67,952)	\$235,685	\$231,646

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		Total Billed kWh - all classes except G2 demand and G1	Unbilled Factor	Unbilled kWh (a * b)	Proposed SCC	Unbilled SCC Revenue (c * d)	Total Billed kWh - G2 demand	Unbilled Factor	Unbilled kWh (f * g)	Proposed SCC	Unbilled SCC Revenue (h * i)	Total Billed kWh - G1	Unbilled Factor	Unbilled kWh (k * l)	Proposed SCC	Unbilled SCC Revenue (m * n)	Reversal of prior month unbilled (prior month, e + j + o)	Total Billed SCC Revenue	Total Revenue (e + j + o + p + q)
Aug-15	Estimate	54,730,667	44.61%	24,412,816	\$0.00018	\$4,394	32,775,768	51.15%	16,763,897	\$0.00004	\$671	33,351,911	51.15%	17,058,578	\$0.00005	\$853	(\$6,234)	\$22,342	\$22,026
Sep-15	Estimate	44,988,564	42.69%	19,206,081	\$0.00018	\$3,457	31,455,052	48.57%	15,278,168	\$0.00004	\$611	31,843,803	48.57%	15,466,990	\$0.00005	\$773	(\$5,918)	\$20,572	\$19,496
Oct-15	Estimate	34,762,906	60.45%	21,012,831	\$0.00018	\$3,782	26,077,287	56.40%	14,707,590	\$0.00004	\$588	29,464,552	56.40%	16,618,007	\$0.00005	\$831	(\$4,842)	\$17,499	\$17,859
Nov-15	Estimate	37,183,054	62.20%	23,127,889	\$0.00018	\$4,163	24,909,366	56.90%	14,172,570	\$0.00004	\$567	28,234,540	56.90%	16,064,480	\$0.00005	\$803	(\$5,202)	\$17,508	\$17,839
Dec-15	Estimate	43,336,412	55.24%	23,939,354	\$0.00018	\$4,309	27,271,296	51.55%	14,058,459	\$0.00004	\$562	29,070,634	51.55%	14,986,024	\$0.00005	\$749	(\$5,533)	\$18,762	\$18,849
Jan-16	Estimate	49,772,118	51.76%	25,763,276	\$0.00018	\$4,637	29,417,779	50.00%	14,708,890	\$0.00004	\$588	27,759,690	50.00%	13,879,845	\$0.00005	\$694	(\$5,621)	\$19,878	\$20,177
Feb-16	Estimate	46,969,472	45.46%	21,352,213	\$0.00018	\$3,843	29,478,661	47.46%	13,989,778	\$0.00004	\$560	28,126,860	47.46%	13,348,340	\$0.00005	\$667	(\$5,920)	\$19,413	\$18,564
Mar-16	Estimate	42,406,592	48.11%	20,402,515	\$0.00018	\$3,672	29,333,535	52.54%	15,412,536	\$0.00004	\$617	29,348,978	52.54%	15,420,650	\$0.00005	\$771	(\$5,070)	\$18,745	\$18,735
Apr-16	Estimate	38,423,758	44.57%	17,126,922	\$0.00018	\$3,083	27,528,597	49.18%	13,538,654	\$0.00004	\$542	27,487,326	49.18%	13,518,357	\$0.00005	\$676	(\$5,060)	\$17,706	\$16,946
May-16	Estimate	35,835,177	49.35%	17,683,664	\$0.00018	\$3,183	26,455,084	50.82%	13,444,387	\$0.00004	\$538	28,468,795	50.82%	14,467,748	\$0.00005	\$723	(\$4,300)	\$17,467	\$17,611
Jun-16	Estimate	38,470,822	57.88%	22,267,806	\$0.00018	\$4,008	27,316,826	49.18%	13,434,505	\$0.00004	\$537	30,154,989	49.18%	14,830,323	\$0.00005	\$742	(\$4,444)	\$18,513	\$19,356
Jul-16	Estimate	47,088,582	56.25%	26,489,479	\$0.00018	\$4,768	33,097,140	50.82%	16,819,858	\$0.00004	\$673	33,066,008	50.82%	16,804,037	\$0.00005	\$840	(\$5,287)	\$21,299	\$22,293
Total Aug-15 to Jul-16		513,968,126		262,784,844		\$47,301	345,116,192		176,329,291		\$7,053	356,378,089		182,463,380		\$9,123	(\$63,431)	\$229,704	\$229,751

(1) Actual Per billing system.
(2) Detail of Unbilled Factors shown on page 5.

Detail of Unbilled Factors for Residential and Outdoor Lighting Classes for use in all classes except G2 demand and G1 (column b, Page 4)

Detail of Unbilled Factors for Regular General Class for use in G2 demand class (column g, Page 4)

Detail of Unbilled Factors for Large General Class for use in G1 class (column i, Page 4)

0017

	<u>Billed kWh</u>	<u>Direct Estimate of Unbilled kWh</u>	<u>Unbilled kWh / Billed kWh</u>		<u>Billed kWh</u>	<u>Direct Estimate of Unbilled kWh</u>	<u>Unbilled kWh / Billed kWh</u>		<u>Billed kWh</u>	<u>Direct Estimate of Unbilled kWh</u>	<u>Unbilled kWh / Billed kWh</u>
Aug-13	52,244,883	23,190,612	44.39%	Aug-13	34,497,268	17,248,634	50.00%	Aug-13	33,762,021	16,881,011	50.00%
Sep-13	46,697,467	18,691,779	40.03%	Sep-13	33,564,068	15,782,477	47.02%	Sep-13	33,009,593	15,521,752	47.02%
Oct-13	33,286,924	21,440,143	64.41%	Oct-13	25,616,633	16,124,958	62.95%	Oct-13	27,500,151	17,310,581	62.95%
Nov-13	39,105,115	21,048,575	53.83%	Nov-13	27,664,629	13,140,261	47.50%	Nov-13	28,649,347	13,607,986	47.50%
Dec-13	44,406,954	26,155,035	58.90%	Dec-13	27,837,307	15,176,335	54.52%	Dec-13	27,404,729	14,940,502	54.52%
Jan-14	55,293,199	32,534,918	58.84%	Jan-14	31,669,606	18,662,270	58.93%	Jan-14	27,753,940	16,354,846	58.93%
Feb-14	50,365,772	26,585,098	52.78%	Feb-14	31,354,305	16,367,597	52.20%	Feb-14	28,825,385	15,047,449	52.20%
Mar-14	45,462,533	30,041,526	66.08%	Mar-14	29,375,627	20,986,886	71.44%	Mar-14	26,564,271	18,978,363	71.44%
Apr-14	39,876,550	22,548,393	56.55%	Apr-14	27,550,929	17,144,055	62.23%	Apr-14	27,459,377	17,087,085	62.23%
May-14	35,350,958	21,409,762	60.56%	May-14	26,771,131	16,777,045	62.67%	May-14	27,763,300	17,398,821	62.67%
Jun-14	35,746,183	28,872,768	80.77%	Jun-14	27,911,759	18,426,122	66.02%	Jun-14	29,483,088	19,463,445	66.02%
Jul-14	48,022,543	28,083,682	58.48%	Jul-14	33,697,180	20,724,766	61.50%	Jul-14	32,533,664	20,009,168	61.50%
Aug-14	48,118,795	22,784,508	47.35%	Aug-14	34,278,131	18,586,750	54.22%	Aug-14	33,097,753	17,946,709	54.22%
Sep-14	43,613,904	18,245,644	41.83%	Sep-14	31,872,632	15,547,625	48.78%	Sep-14	31,692,314	15,459,666	48.78%
Oct-14	34,531,217	21,586,193	62.51%	Oct-14	27,072,622	15,327,019	56.61%	Oct-14	29,164,891	16,511,546	56.61%
Nov-14	36,604,166	24,274,578	66.32%	Nov-14	25,956,820	14,857,439	57.24%	Nov-14	27,936,303	15,990,476	57.24%
Dec-14	45,236,907	24,230,175	53.56%	Dec-14	28,852,817	15,472,860	53.63%	Dec-14	28,393,876	15,226,745	53.63%
Jan-15	50,620,961	26,135,402	51.63%	Jan-15	30,539,856	14,965,785	49.00%	Jan-15	26,557,433	13,014,234	49.00%
Feb-15	48,543,043	23,413,177	48.23%	Feb-15	29,851,274	14,376,602	48.16%	Feb-15	28,081,411	13,524,222	48.16%
Mar-15	49,249,756	18,936,327	38.45%	Mar-15	32,540,523	13,398,444	41.17%	Mar-15	29,020,863	11,949,237	41.17%
Apr-15	37,087,912	16,193,554	43.66%	Apr-15	26,849,688	14,049,256	52.33%	Apr-15	27,201,775	14,233,487	52.33%

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
		Beginning Balance - SCC Customer Billing Adjustment	Total Recovery	Ending Balance Before Interest (a - b)	Average Monthly Balance ((a+c) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (c + g)
Jun-12	Actual	\$103,558		\$103,558	\$103,558	3.25%	30	\$276	\$103,833
Jul-12	Actual	\$103,833		\$103,833	\$103,833	3.25%	31	\$286	\$104,119
Aug-12	Actual	\$104,119		\$104,119	\$104,119	3.25%	31	\$287	\$104,406
Sep-12	Actual	\$104,406		\$104,406	\$104,406	3.25%	30	\$278	\$104,684
Oct-12	Actual	\$104,684		\$104,684	\$104,684	3.25%	31	\$288	\$104,972
Nov-12	Actual	\$104,972		\$104,972	\$104,972	3.25%	30	\$280	\$105,252
Dec-12	Actual	\$105,252		\$105,252	\$105,252	3.25%	31	\$290	\$105,542
Jan-13	Actual	\$105,542		\$105,542	\$105,542	3.25%	31	\$291	\$105,833
Feb-13	Actual	\$105,833		\$105,833	\$105,833	3.25%	28	\$264	\$106,097
Mar-13	Actual	\$106,097		\$106,097	\$106,097	3.25%	31	\$293	\$106,390
Apr-13	Actual	\$106,390		\$106,390	\$106,390	3.25%	30	\$284	\$106,674
May-13	Actual	\$106,674		\$106,674	\$106,674	3.25%	31	\$294	\$106,968
Jun-13	Actual	\$106,968		\$106,968	\$106,968	3.25%	30	\$286	\$107,254
Jul-13	Actual	\$107,254		\$107,254	\$107,254	3.25%	31	\$296	\$107,550
Total Aug-12 to Jul-13								\$3,431	
Aug-13	Actual	\$107,550	\$4,628	\$102,922	\$105,236	3.25%	31	\$290	\$103,212
Sep-13	Actual	\$103,212	\$4,628	\$98,584	\$100,898	3.25%	30	\$270	\$98,853
Oct-13	Actual	\$98,853	\$4,628	\$94,225	\$96,539	3.25%	31	\$266	\$94,492
Nov-13	Actual	\$94,492	\$4,628	\$89,863	\$92,177	3.25%	30	\$246	\$90,109
Dec-13	Actual	\$90,109	\$4,628	\$85,481	\$87,795	3.25%	31	\$242	\$85,723
Jan-14	Actual	\$85,723	\$4,628	\$81,095	\$83,409	3.25%	31	\$230	\$81,325
Feb-14	Actual	\$81,325	\$4,628	\$76,697	\$79,011	3.25%	28	\$197	\$76,894
Mar-14	Actual	\$76,894	\$4,628	\$72,266	\$74,580	3.25%	31	\$206	\$72,472
Apr-14	Actual	\$72,472	\$4,628	\$67,843	\$70,157	3.25%	30	\$187	\$68,031
May-14	Actual	\$68,031	\$4,628	\$63,402	\$65,717	3.25%	31	\$181	\$63,584
Jun-14	Actual	\$63,584	\$4,628	\$58,955	\$61,270	3.25%	30	\$164	\$59,119
Jul-14	Actual	\$59,119	<u>\$4,628</u>	\$54,491	\$56,805	3.25%	31	<u>\$157</u>	\$54,648
Total Aug-13 to Jul-14								\$2,637	
Aug-14	Actual	\$54,648	\$4,628	\$50,019	\$52,333	3.25%	31	\$144	\$50,164
Sep-14	Actual	\$50,164	\$4,628	\$45,535	\$47,850	3.25%	30	\$128	\$45,663
Oct-14	Actual	\$45,663	\$4,628	\$41,035	\$43,349	3.25%	31	\$120	\$41,155
Nov-14	Actual	\$41,155	\$4,628	\$36,526	\$38,840	3.25%	30	\$104	\$36,630
Dec-14	Actual	\$36,630	\$4,628	\$32,002	\$34,316	3.25%	31	\$95	\$32,096
Jan-15	Actual	\$32,096	\$4,628	\$27,468	\$29,782	3.25%	31	\$82	\$27,550
Feb-15	Actual	\$27,550	\$4,628	\$22,922	\$25,236	3.25%	28	\$63	\$22,985
Mar-15	Actual	\$22,985	\$4,628	\$18,357	\$20,671	3.25%	31	\$57	\$18,414
Apr-15	Actual	\$18,414	\$4,628	\$13,785	\$16,099	3.25%	30	\$43	\$13,828
May-15	Estimate	\$13,828	\$4,628	\$9,200	\$11,514	3.25%	31	\$32	\$9,232
Jun-15	Estimate	\$9,232	\$4,628	\$4,603	\$6,918	3.25%	30	\$18	\$4,622
Jul-15	Estimate	\$4,622	<u>\$4,628</u>	(\$6)	\$2,308	3.25%	31	<u>\$6</u>	(\$0)
Total Aug-14 to Jul-15								\$892	
Total Jun-12 to Jul-15								\$7,522	

UNITIL ENERGY SYSTEMS. INC.
CALCULATION OF THE EXTERNAL DELIVERY CHARGE
Effective August 1, 2015

1. (Over)/under Recovery - Beginning Balance August 1, 2015	(\$40,829)	Page 3 of 7
2. Estimated Total Costs (August 2015 - July 2016)	\$25,950,562	Page 3 of 7
3. Estimated Interest (August 2015 - July 2016)	<u>(\$2,128)</u>	Page 3 of 7
4. Costs to be Recovered (L.1 + L.2 + L.3)	\$25,907,606	L.1 + L.2 + L.3
5. Estimated Calendar Month Deliveries in kWh (August 2015 - July 2016) (1)	<u>1,215,932,720</u>	
6. External Delivery Charge (\$/kWh) (L. 4 / L. 5)	\$0.02131	

(1) Schedule LSM-2, page 5.

August 2015 - July 2016 Billed kWh	1,215,462,406
- July 2015 Unbilled kWh	(59,606,350)
+ July 2016 Unbilled kWh	<u>60,076,664</u>
Calendar Month Deliveries	1,215,932,720

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-13	Actual	\$1,264,690	\$2,327,006	\$2,213,735	\$1,377,962	\$1,321,326	3.25%	31	\$3,647	\$1,381,609
Sep-13	Actual	\$1,381,609	\$2,409,045	\$2,125,417	\$1,665,238	\$1,523,423	3.25%	30	\$4,069	\$1,669,307
Oct-13	Actual	\$1,669,307	\$1,640,420	\$1,831,434	\$1,478,294	\$1,573,800	3.25%	31	\$4,344	\$1,482,638
Nov-13	Actual	\$1,482,638	\$1,891,407	\$1,772,497	\$1,601,547	\$1,542,092	3.25%	30	\$4,119	\$1,605,667
Dec-13	Actual	\$1,605,667	\$2,088,459	\$2,169,221	\$1,524,905	\$1,565,286	3.25%	31	\$4,321	\$1,529,226
Jan-14	Actual	\$1,529,226	\$2,139,152	\$2,527,774	\$1,140,604	\$1,334,915	3.25%	31	\$3,685	\$1,144,288
Feb-14	Actual	\$1,144,288	\$1,822,800	\$2,026,185	\$940,904	\$1,042,596	3.25%	28	\$2,599	\$943,503
Mar-14	Actual	\$943,503	\$1,836,842	\$2,275,219	\$505,125	\$724,314	3.25%	31	\$1,999	\$507,125
Apr-14	Actual	\$507,125	\$1,689,578	\$1,638,332	\$558,371	\$532,748	3.25%	30	\$1,423	\$559,794
May-14	Actual	(\$200,314) (1)	\$1,627,648	\$1,779,084	(\$351,750)	(\$276,032)	3.25%	31	(\$762)	(\$352,512)
Jun-14	Actual	(\$352,512)	\$673,524	\$2,092,839	(\$1,771,827)	(\$1,062,169)	3.25%	30	(\$2,837)	(\$1,774,664)
Jul-14	Actual	(\$1,774,664)	<u>\$2,243,933</u>	<u>\$2,333,392</u>	(\$1,864,124)	(\$1,819,394)	3.25%	31	<u>(\$5,022)</u>	(\$1,869,146)
Total Aug-13 to Jul-14			\$22,389,815	\$24,785,129					\$21,586	

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-14	Actual	(\$1,869,146)	\$2,470,325	\$1,958,696	(\$1,357,517)	(\$1,613,331)	3.25%	31	(\$4,453)	(\$1,361,970)
Sep-14	Actual	(\$1,361,970)	\$2,362,314	\$1,798,565	(\$798,221)	(\$1,080,096)	3.25%	30	(\$2,885)	(\$801,107)
Oct-14	Actual	(\$801,107)	\$1,679,575	\$1,758,347	(\$879,878)	(\$840,492)	3.25%	31	(\$2,320)	(\$882,198)
Nov-14	Actual	(\$882,198)	\$1,890,090	\$1,707,422	(\$699,530)	(\$790,864)	3.25%	30	(\$2,111)(2)	(\$701,641)
Dec-14	Actual	(\$701,641)	\$1,646,960	\$1,894,338	(\$949,020)	(\$825,331)	3.25%	31	(\$2,278)	(\$951,298)
Jan-15	Actual	(\$951,298)	\$1,954,407	\$1,979,849	(\$976,740)	(\$964,019)	3.25%	31	(\$2,661)	(\$979,401)
Feb-15	Actual	(\$979,401)	\$1,868,148	\$1,920,046	(\$1,031,299)	(\$1,005,350)	3.25%	28	(\$2,506)	(\$1,033,806)
Mar-15	Actual	(\$1,033,806)	\$1,756,193	\$1,921,989	(\$1,199,601)	(\$1,116,703)	3.25%	31	(\$3,082)	(\$1,202,684)
Apr-15	Actual	(\$1,202,684)	\$1,372,026	\$1,691,599	(\$1,522,256)	(\$1,362,470)	3.25%	30	(\$3,639)	(\$1,525,896)
May-15	Estimate	(\$1,977,948)(3)	\$1,941,300	\$1,706,681	(\$1,743,328)	(\$1,860,638)	3.25%	31	(\$5,136)	(\$1,748,464)
Jun-15	Estimate	(\$1,748,464)	\$3,346,152	\$1,844,068	(\$246,381)	(\$997,422)	3.25%	30	(\$2,664)	(\$249,045)
Jul-15	Estimate	(\$249,045)	<u>\$2,491,282</u>	<u>\$2,282,666</u>	(\$40,429)	(\$144,737)	3.25%	31	<u>(\$400)</u>	(\$40,829)
Total Aug-14 to Jul-15			\$24,778,771	\$22,464,265					(\$34,137)	

(1) Includes VMP/REP reconciliation of (\$760,108), in accordance with Order No. 25,656 in DE 14-063 issued April 30, 2014.
 (2) Includes \$1.19 for trueup to working capital.
 (3) Estimate includes VMP/REP reconciliation of (\$452,052), as filed in DE 15-082 on February 27, 2015.

Unitil Energy Systems, Inc.
 Reconciliation of External Delivery Costs and Revenues

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-15	Estimate	(\$40,829)	\$2,708,661	\$2,547,207	\$120,626	\$39,899	3.25%	31	\$110	\$120,736
Sep-15	Estimate	\$120,736	\$2,355,156	\$2,130,944	\$344,949	\$232,843	3.25%	30	\$622	\$345,571
Oct-15	Estimate	\$345,571	\$1,607,282	\$1,974,002	(\$21,149)	\$162,211	3.25%	31	\$448	(\$20,701)
Nov-15	Estimate	(\$20,701)	\$2,050,407	\$1,946,627	\$83,079	\$31,189	3.25%	30	\$85	\$83,164
Dec-15	Estimate	\$83,164	\$1,950,320	\$2,116,161	(\$82,677)	\$243	3.25%	31	\$1	(\$82,676)
Jan-16	Estimate	(\$82,676)	\$2,279,961	\$2,308,464	(\$111,179)	(\$96,928)	3.25%	31	(\$267)	(\$111,446)
Feb-16	Estimate	(\$111,446)	\$2,121,574	\$2,108,320	(\$98,192)	(\$104,819)	3.25%	29	(\$270)	(\$98,462)
Mar-16	Estimate	(\$98,462)	\$2,072,737	\$2,208,760	(\$234,485)	(\$166,474)	3.25%	31	(\$458)	(\$234,944)
Apr-16	Estimate	(\$234,944)	\$1,553,173	\$1,840,913	(\$522,683)	(\$378,813)	3.25%	30	(\$1,009)	(\$523,692)
May-16	Estimate	(\$523,692)	\$2,114,850	\$1,963,780	(\$372,623)	(\$448,157)	3.25%	31	(\$1,234)	(\$373,856)
Jun-16	Estimate	(\$373,856)	\$2,651,325	\$2,148,538	\$128,931	(\$122,463)	3.25%	30	(\$326)	\$128,604
Jul-16	Estimate	\$128,604	<u>\$2,485,116</u>	<u>\$2,617,811</u>	(\$4,092)	\$62,256	3.25%	31	<u>\$171</u>	(\$3,920)
Total Aug-15 to Jul-16			\$25,950,562	\$25,911,526					(\$2,128)	

0021

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
		Total Billed kWh (1)	Unbilled Factor (2)	Unbilled kWh (a * b)	Proposed EDC	Unbilled EDC Revenue (c * d)	Reversal of prior month unbilled	Total Billed EDC Revenue (1)	Total Revenue (e + f + g)
Aug-13	Actual	120,504,171	47.57%	57,320,257	\$0.02006	\$1,149,844	(\$1,152,548)	\$2,216,438	\$2,213,735
Sep-13	Actual	113,271,129	44.14%	49,996,008	\$0.02006	\$1,002,920	(\$1,149,844)	\$2,272,341	\$2,125,417
Oct-13	Actual	86,403,709	63.51%	54,875,682	\$0.02006	\$1,100,806	(\$1,002,920)	\$1,733,548	\$1,831,434
Nov-13	Actual	95,419,090	50.09%	47,796,822	\$0.02006	\$958,804	(\$1,100,806)	\$1,914,499	\$1,772,497
Dec-13	Actual	99,648,990	56.47%	56,271,872	\$0.02006	\$1,128,814	(\$958,804)	\$1,999,211	\$2,169,221
Jan-14	Actual	114,716,746	58.89%	67,552,034	\$0.02006	\$1,355,094	(\$1,128,814)	\$2,301,494	\$2,527,774
Feb-14	Actual	110,545,463	52.47%	58,000,144	\$0.02006	\$1,163,483	(\$1,355,094)	\$2,217,796	\$2,026,185
Mar-14	Actual	101,402,430	69.04%	70,006,776	\$0.02006	\$1,404,336	(\$1,163,483)	\$2,034,366	\$2,275,219
Apr-14	Actual	94,886,856	59.84%	56,779,533	\$0.02006	\$1,138,997	(\$1,404,336)	\$1,903,670	\$1,638,332
May-14	Actual	89,885,389	61.84%	55,585,628	\$0.02006	\$1,115,048	(\$1,138,997)	\$1,803,034	\$1,779,084
Jun-14	Actual	93,141,029	71.68%	66,762,335	\$0.02006	\$1,339,252	(\$1,115,048)	\$1,868,634	\$2,092,839
Jul-14	Actual	<u>114,253,388</u>	60.23%	<u>68,817,616</u>	\$0.02006	<u>\$1,380,481</u>	<u>(\$1,339,252)</u>	<u>\$2,292,164</u>	<u>\$2,333,392</u>
Total Aug-13 to Jul-14		1,234,078,390		709,764,706		\$14,237,880	(\$14,009,947)	\$24,557,195	\$24,785,129

0022

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
		Total Billed kWh	Unbilled Factor	Unbilled kWh (a * b)	Proposed EDC	Unbilled EDC Revenue (c * d)	Reversal of prior month unbilled	Total Billed EDC Revenue	Total Revenue (e + f + g)
Aug-14	Actual	115,494,679	51.36%	59,317,967	\$0.01852	\$1,098,569	(\$1,380,481)	\$2,240,608	\$1,958,696
Sep-14	Actual	107,178,851	45.95%	49,252,935	\$0.01852	\$912,164	(\$1,098,569)	\$1,984,970	\$1,798,565
Oct-14	Actual	90,768,730	58.86%	53,424,758	\$0.01852	\$989,427	(\$912,164)	\$1,681,084	\$1,758,347
Nov-14	Actual	90,497,288	60.91%	55,122,493	\$0.01852	\$1,020,869	(\$989,427)	\$1,675,980	\$1,707,422
Dec-14	Actual	102,483,600	53.60%	54,929,780	\$0.01852	\$1,017,300	(\$1,020,869)	\$1,897,907	\$1,894,338
Jan-15	Actual	107,718,250	50.24%	54,115,420	\$0.01852	\$1,002,218	(\$1,017,300)	\$1,994,930	\$1,979,849
Feb-15	Actual	106,475,729	48.19%	51,314,001	\$0.01852	\$950,335	(\$1,002,218)	\$1,971,928	\$1,920,046
Mar-15	Actual	110,811,143	39.96%	44,284,008	\$0.01852	\$820,140	(\$950,335)	\$2,052,184	\$1,921,989
Apr-15	Actual	91,139,375	48.80%	44,476,297	\$0.01852	\$823,701	(\$820,140)	\$1,688,038	\$1,691,599
May-15	Estimate	88,235,641	54.85%	48,394,042	\$0.01852	\$896,258	(\$823,701)	\$1,634,124	\$1,706,681
Jun-15	Estimate	98,506,510	50.21%	49,459,260	\$0.01852	\$915,986	(\$896,258)	\$1,824,341	\$1,844,068
Jul-15	Estimate	<u>113,107,013</u>	52.70%	<u>59,606,350</u>	\$0.01852	<u>\$1,103,910</u>	<u>(\$915,986)</u>	<u>\$2,094,742</u>	<u>\$2,282,666</u>
Total Aug-14 to Jul-15		1,222,416,810		623,697,311		\$11,550,874	(\$11,827,446)	\$22,740,837	\$22,464,265

(1) Actual per billing system

(2) Detail of Unbilled Factors used in actuals for all classes shown on page 6.

Unitil Energy Systems, Inc.
External Delivery Revenues

0023

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
		Total Billed kWh	Unbilled Factor	Unbilled kWh (a * b)	Proposed EDC	Unbilled EDC Revenue (c * d)	Reversal of prior month unbilled	Total Billed EDC Revenue	Total Revenue (e + f + g)
Aug-15	Estimate	120,858,347	48.22%	58,279,049	\$0.02131	\$1,241,927	(\$1,103,910)	\$2,409,190	\$2,547,207
Sep-15	Estimate	108,287,419	46.16%	49,988,987	\$0.02131	\$1,065,265	(\$1,241,927)	\$2,307,605	\$2,130,944
Oct-15	Estimate	90,304,745	57.93%	52,316,895	\$0.02131	\$1,114,873	(\$1,065,265)	\$1,924,394	\$1,974,002
Nov-15	Estimate	90,326,961	59.05%	53,337,978	\$0.02131	\$1,136,632	(\$1,114,873)	\$1,924,868	\$1,946,627
Dec-15	Estimate	99,678,342	53.13%	52,963,298	\$0.02131	\$1,128,648	(\$1,136,632)	\$2,124,145	\$2,116,161
Jan-16	Estimate	106,949,587	50.81%	54,341,429	\$0.02131	\$1,158,016	(\$1,128,648)	\$2,279,096	\$2,308,464
Feb-16	Estimate	104,574,794	46.57%	48,702,351	\$0.02131	\$1,037,847	(\$1,158,016)	\$2,228,489	\$2,108,320
Mar-16	Estimate	101,089,106	50.71%	51,262,224	\$0.02131	\$1,092,398	(\$1,037,847)	\$2,154,209	\$2,208,760
Apr-16	Estimate	93,439,681	47.31%	44,209,813	\$0.02131	\$942,111	(\$1,092,398)	\$1,991,200	\$1,840,913
May-16	Estimate	90,759,056	50.25%	45,603,749	\$0.02131	\$971,816	(\$942,111)	\$1,934,075	\$1,963,780
Jun-16	Estimate	95,942,638	52.62%	50,484,120	\$0.02131	\$1,075,817	(\$971,816)	\$2,044,538	\$2,148,538
Jul-16	Estimate	<u>113,251,731</u>	53.05%	<u>60,076,664</u>	\$0.02131	<u>\$1,280,234</u>	<u>(\$1,075,817)</u>	<u>\$2,413,394</u>	<u>\$2,617,811</u>
Total Aug-15 to Jul-16		1,215,462,406		621,566,558		\$13,245,583	(\$13,069,259)	\$25,735,202	\$25,911,526

	<u>Billed kWh</u>	<u>Direct Estimate of Unbilled kWh</u>	<u>Unbilled kWh / Billed kWh</u>
Aug-13	120,504,171	57,320,257	47.57%
Sep-13	113,271,129	49,996,008	44.14%
Oct-13	86,403,709	54,875,682	63.51%
Nov-13	95,419,090	47,796,822	50.09%
Dec-13	99,648,990	56,271,872	56.47%
Jan-14	114,716,746	67,552,034	58.89%
Feb-14	110,545,463	58,000,144	52.47%
Mar-14	101,402,430	70,006,776	69.04%
Apr-14	94,886,856	56,779,533	59.84%
May-14	89,885,389	55,585,628	61.84%
Jun-14	93,141,029	66,762,335	71.68%
Jul-14	114,253,388	68,817,616	60.23%
Aug-14	115,494,679	59,317,967	51.36%
Sep-14	107,178,851	49,252,935	45.95%
Oct-14	90,768,730	53,424,758	58.86%
Nov-14	90,497,288	55,122,493	60.91%
Dec-14	102,483,600	54,929,780	53.60%
Jan-15	107,718,250	54,115,420	50.24%
Feb-15	106,475,729	51,314,001	48.19%
Mar-15	110,811,143	44,284,008	39.96%
Apr-15	91,139,375	44,476,297	48.80%

		(a) Beginning Balance-EDC Customer Billing Adjustment	(b) Total Revenue	(c) Ending Balance Before Interest (a - b)	(d) Average Monthly Balance ((a+c) / 2)	(e) Interest Rate	(f) Number of Days / Month	(g) Computed Interest	(h) Ending Balance with Interest (c + g)
Jun-12	Actual	\$137,970		\$137,970	\$137,970	3.25%	30	\$368	\$138,337
Jul-12	Actual	\$138,337		\$138,337	\$138,337	3.25%	31	\$381	\$138,718
Aug-12	Actual	\$138,718		\$138,718	\$138,718	3.25%	31	\$382	\$139,100
Sep-12	Actual	\$139,100		\$139,100	\$139,100	3.25%	30	\$371	\$139,471
Oct-12	Actual	\$139,471		\$139,471	\$139,471	3.25%	31	\$384	\$139,855
Nov-12	Actual	\$139,855		\$139,855	\$139,855	3.25%	30	\$373	\$140,227
Dec-12	Actual	\$140,227		\$140,227	\$140,227	3.25%	31	\$386	\$140,613
Jan-13	Actual	\$140,613		\$140,613	\$140,613	3.25%	31	\$388	\$141,001
Feb-13	Actual	\$141,001		\$141,001	\$141,001	3.25%	28	\$352	\$141,353
Mar-13	Actual	\$141,353		\$141,353	\$141,353	3.25%	31	\$390	\$141,743
Apr-13	Actual	\$141,743		\$141,743	\$141,743	3.25%	30	\$379	\$142,122
May-13	Actual	\$142,122		\$142,122	\$142,122	3.25%	31	\$392	\$142,514
Jun-13	Actual	\$142,514		\$142,514	\$142,514	3.25%	30	\$381	\$142,895
Jul-13	Actual	\$142,895		\$142,895	\$142,895	3.25%	31	\$394	\$143,289
Total Aug-12 to Jul-13								\$4,571	
Aug-13	Actual	\$143,289	\$6,166	\$137,123	\$140,206	3.25%	31	\$387	\$137,510
Sep-13	Actual	\$137,510	\$6,166	\$131,343	\$134,427	3.25%	30	\$359	\$131,703
Oct-13	Actual	\$131,703	\$6,166	\$125,536	\$128,619	3.25%	31	\$355	\$125,891
Nov-13	Actual	\$125,891	\$6,166	\$119,725	\$122,808	3.25%	30	\$328	\$120,053
Dec-13	Actual	\$120,053	\$6,166	\$113,887	\$116,970	3.25%	31	\$323	\$114,210
Jan-14	Actual	\$114,210	\$6,166	\$108,043	\$111,126	3.25%	31	\$307	\$108,350
Feb-14	Actual	\$108,350	\$6,166	\$102,184	\$105,267	3.25%	28	\$262	\$102,446
Mar-14	Actual	\$102,446	\$6,166	\$96,280	\$99,363	3.25%	31	\$274	\$96,554
Apr-14	Actual	\$96,554	\$6,166	\$90,388	\$93,471	3.25%	30	\$250	\$90,637
May-14	Actual	\$90,637	\$6,166	\$84,471	\$87,554	3.25%	31	\$242	\$84,713
Jun-14	Actual	\$84,713	\$6,166	\$78,546	\$81,630	3.25%	30	\$218	\$78,765
Jul-14	Actual	\$78,765	<u>\$6,166</u>	\$72,598	\$75,681	3.25%	31	<u>\$209</u>	\$72,807
Total Aug-13 to Jul-14			\$73,996					\$3,514	
Aug-14	Actual	\$72,807	\$6,166	\$66,641	\$69,724	3.25%	31	\$192	\$66,833
Sep-14	Actual	\$66,833	\$6,166	\$60,667	\$63,750	3.25%	30	\$170	\$60,837
Oct-14	Actual	\$60,837	\$6,166	\$54,671	\$57,754	3.25%	31	\$159	\$54,830
Nov-14	Actual	\$54,830	\$6,166	\$48,664	\$51,747	3.25%	30	\$138	\$48,802
Dec-14	Actual	\$48,802	\$6,166	\$42,636	\$45,719	3.25%	31	\$126	\$42,762
Jan-15	Actual	\$42,762	\$6,166	\$36,596	\$39,679	3.25%	31	\$110	\$36,705
Feb-15	Actual	\$36,705	\$6,166	\$30,539	\$33,622	3.25%	28	\$84	\$30,623
Mar-15	Actual	\$30,623	\$6,166	\$24,457	\$27,540	3.25%	31	\$76	\$24,533
Apr-15	Actual	\$24,533	\$6,166	\$18,366	\$21,449	3.25%	30	\$57	\$18,424
May-15	Estimate	\$18,424	\$6,166	\$12,257	\$15,340	3.25%	31	\$42	\$12,300
Jun-15	Estimate	\$12,300	\$6,166	\$6,133	\$9,216	3.25%	30	\$25	\$6,158
Jul-15	Estimate	\$6,158	<u>\$6,166</u>	(\$8)	\$3,075	3.25%	31	<u>\$8</u>	\$0
Total Aug-14 to Jul-15			\$73,996					\$1,189	
Total Jun-12 to Jul-15				\$147,991				\$10,022	

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

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CALCULATION OF THE STRANDED COST CHARGE

Uniform per kWh Charge

As shown on Schedule LSM-1, Page 1

1. (Over)/under Recovery - Beginning Balance August 1, 2014	(\$13,063)	(Over)/under Recovery - Beginning Balance August 1, 2015	\$17,795
2. Estimated Total Costs (August 2014 - July 2015)	\$237,400	Estimated Total Costs (August 2015 - July 2016)	\$201,684
3. Estimated Interest (August 2014 - July 2015)	(\$370)	Estimated Interest (August 2015 - July 2016)	\$118
4. Costs to be Recovered (L.1 + L.2 + L.3)	\$223,966	Costs to be Recovered (L.1 + L.2 + L.3)	\$219,597
5. Estimated Calendar Month Deliveries in kWh (August 2014 - July 2015)	<u>1,228,899,343</u>	Estimated Calendar Month Deliveries in kWh (August 2015 - July 2016) (1)	<u>1,215,932,720</u>
6. Stranded Cost Charge (\$/kWh) (L.4 / L.5)	\$0.00018	Stranded Cost Charge (\$/kWh) (L.4 / L.5)	\$0.00018
<p>Class D, D - Controlled Off Peak Water Heating, G2 - kWh meter, G2 - Quick Recovery Water Heating, G2 - Space Heating, G2 - Controlled Off Peak Water Heating, OL</p>		<p>Class D, D - Controlled Off Peak Water Heating, G2 - kWh meter, G2 - Quick Recovery Water Heating, G2 - Space Heating, <u>G2 - Controlled Off Peak Water Heating, OL</u></p>	
7. Stranded Cost Charge (\$/kWh) (L.6)	\$0.00018	Stranded Cost Charge (\$/kWh) (L.6)	\$0.00018
<p>Class G2 (1)</p>		<p>Class G2 (1)</p>	
8. Estimated G2 Demand Revenue (August 2014 - July 2015)	\$50,217	Estimated G2 Demand Revenue (August 2015 - July 2016)	\$49,518
9. Estimated G2 Deliveries in kW (August 2014 - July 2015)	<u>1,369,352</u>	Estimated G2 Deliveries in kW (August 2015 - July 2016)	<u>1,355,293</u>
10. Stranded Cost Charge (\$/kW) (L. 8 / L. 9)	\$0.04	Stranded Cost Charge (\$/kW) (L. 8 / L. 9)	\$0.04
11. G2 Energy Revenue (August 2014 - July 2015)	\$12,849	G2 Energy Revenue (August 2015 - July 2016)	\$12,611
12. Estimated G2 Calendar Month Deliveries in kWh (August 2014 - July 2015)	<u>350,363,934</u>	Estimated G2 Calendar Month Deliveries in kWh (August 2015 - July 2016) (1)	<u>345,162,788</u>
13. Stranded Cost Charge (\$/kWh) (L.11 / L.12)	\$0.00004	Stranded Cost Charge (\$/kWh) (L.11 / L.12)	\$0.00004
<p>Class G1 (1)</p>		<p>Class G1 (1)</p>	
14. Estimated G1 Demand Revenue (August 2014 - July 2015)	\$47,306	Estimated G1 Demand Revenue (August 2015 - July 2016)	\$47,647
15. Estimated G1 Deliveries in kVA (August 2014 - July 2015)	<u>1,028,958</u>	Estimated G1 Deliveries in kVA (August 2015 - July 2016)	<u>1,027,084</u>
16. Stranded Cost Charge (\$/kVA) (L. 14 / L. 15)	\$0.05	Stranded Cost Charge (\$/kVA) (L. 14 / L. 15)	\$0.05
17. G1 Energy Revenue (August 2014 - July 2015)	\$16,228	G1 Energy Revenue (August 2015 - July 2016)	\$16,544
18. Estimated G1 Calendar Month Deliveries in kWh (August 2014 - July 2015)	<u>352,965,191</u>	Estimated G1 Calendar Month Deliveries in kWh (August 2015 - July 2016) (1)	<u>356,618,649</u>
19. Stranded Cost Charge (\$/kWh) (L.17 / L.18)	\$0.00005	Stranded Cost Charge (\$/kWh) (L.17 / L.18)	\$0.00005

(1) Demand and energy calculated based on ratio of demand and energy revenue under current rates.

Authorized by NHPUC Order No. 25,698 in Case No. DE 14 170, dated July 31, 2014

Authorized by NHPUC Order No. in Case No. DE 15- , dated

Issued: June 17, 2015 ~~July 31, 2014~~
Effective: August 1, 2015

Issued By: Mark H. Collin
Treasurer

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

Fourteenth~~Thirteenth~~ Revised Page 67
Superseding Thirteenth~~Issued in Lieu of Twelfth~~ Revised Page 67

CALCULATION OF THE EXTERNAL DELIVERY CHARGE

		<i>As shown on</i> <u>Schedule LSM-2, Page 1</u>
1. (Over)/under Recovery - Beginning Balance August 1, 20154	(\$963,037)	(\$40,829)
2. Estimated Total Costs (August 20154 - July 20165)	\$23,758,015	\$25,950,562
3. Estimated Interest (August 20154 - July 20165)	<u>(\$31,072)</u>	<u>(\$2,128)</u>
4. Costs to be Recovered (L.1 + L.2 + L.3)	\$22,763,906	\$25,907,606
5. Estimated Calendar Month Deliveries in kWh (August 20154 - July 20165)	<u>1,228,899,343</u>	<u>1,215,932,720</u>
6. External Delivery Charge (\$/kWh) (L. 4 / L. 5)	\$0.01852	\$0.02131

Authorized by NHPUC Order No. ~~25,698~~ in Case No. DE ~~14-170~~, dated ~~July 31, 2014~~

Issued: June 17, 2015~~July 31, 2014~~
Effective: August 1, 20154

Issued By: Mark H. Collin
Treasurer

SUMMARY OF DELIVERY SERVICE RATES (Includes Electricity Consumption Tax)

The effective rates listed below include an Electricity Consumption Tax, assessed in accordance with NH Statute RSA Chapter 83-E. This tax, collected on behalf of the State of NH by each electric utility, is based on kWh consumed. Each bill rendered for electric delivery service shall be calculated through the application of the effective rates as listed below.

Class		Distribution Charge*	External Delivery Charge**	Stranded Cost-Charge**	External Delivery Charge**	Stranded Cost-Charge**	Storm Recovery Adjustment Factor***	System Benefits Charge****	Total Delivery Charges	Total Delivery Charges	Electricity Consumption Tax	Effective Delivery Rate (Incl. Electricity Consumption Tax)	Effective Delivery Rate (Incl. Electricity Consumption Tax)
D	Customer Charge	\$10.27						(1)	\$10.27	\$10.27		\$10.27	\$10.27
	First 250 kWh	\$0.03404	\$0.01852	\$0.00018	\$0.02131	\$0.00018	\$0.00221	\$0.00330	\$0.05825	\$0.06104	\$0.00055	\$0.05880	\$0.06159
	Excess 250 kWh	\$0.03904	\$0.01852	\$0.00018	\$0.02131	\$0.00018	\$0.00221	\$0.00330	\$0.06325	\$0.06604	\$0.00055	\$0.06380	\$0.06659
G2	Customer Charge	\$18.41							\$18.41	\$18.41		\$18.41	\$18.41
	All kW	\$10.31		\$0.04		\$0.04			\$10.35	\$10.35		\$10.35	\$10.35
	All kWh	\$0.00000	\$0.01852	\$0.00004	\$0.02131	\$0.00004	\$0.00221	\$0.00330	\$0.02407	\$0.02686	\$0.00055	\$0.02462	\$0.02741
G2 - kWh meter	Customer Charge	\$13.94							\$13.94	\$13.94		\$13.94	\$13.94
	All kWh	\$0.03211	\$0.01852	\$0.00018	\$0.02131	\$0.00018	\$0.00221	\$0.00330	\$0.05632	\$0.05911	\$0.00055	\$0.05687	\$0.05966
G2 - Quick Recovery Water Heat and/or Space Heat	Customer Charge	\$6.25							\$6.25	\$6.25		\$6.25	\$6.25
	All kWh	\$0.03073	\$0.01852	\$0.00018	\$0.02131	\$0.00018	\$0.00221	\$0.00330	\$0.05494	\$0.05773	\$0.00055	\$0.05549	\$0.05828
G1	Customer Charge	\$97.16	Secondary Voltage						\$97.16	\$97.16		\$97.16	\$97.16
	Customer Charge	\$57.58	Primary Voltage						\$57.58	\$57.58		\$57.58	\$57.58
	All kVA	\$6.95		\$0.05		\$0.05			\$7.00	\$7.00		\$7.00	\$7.00
	All kWh	\$0.00000	\$0.01852	\$0.00005	\$0.02131	\$0.00005	\$0.00221	\$0.00330	\$0.02408	\$0.02687	\$0.00055	\$0.02463	\$0.02742
ALL GENERAL	Transformer Ownership Credit (kW/kVa)											(\$0.39)	
	Voltage Discount at 4,160 Volts or Over (all kW/kVA and kWh)											2.00%	
	Voltage Discount at 34,500 Volts or Over (all kW/kVA and kWh)											3.50%	

(1) Includes low-income portion of \$0.00150 per kWh and energy efficiency portion of \$0.00180 per kWh

* Authorized by NHPUC Order No. 25,656 in Case No. DE 14-063, dated April 30, 2014.
 ** Authorized by NHPUC Order No. ~~25,698~~ in Case No. ~~DE 14-170~~, dated ~~July 31, 2014~~
 *** Authorized by NHPUC Order No. 25,498 in Case No. DE 13-084, dated April 25, 2013
 **** Authorized by NHPUC Order No. 24,903 in Case No. DE 08-097, dated September 30, 2008

SUMMARY OF DELIVERY SERVICE RATES (Includes Electricity Consumption Tax) (continued)

Class	Distribution Charge*	External Delivery Charge**	Stranded Cost Charge**	Storm Recovery Adjustment Factor***	System Benefits Charge****	Total Delivery Charges	Electricity Consumption Tax	Effective Delivery Rates (Incl. Electricity Consumption Tax)
OL					(1)			
All kWh	\$0.00000	\$0.01852 \$0.02131	\$0.00018 \$0.00018	\$0.00221	\$0.00330	\$0.02424 \$0.02700	\$0.00055	\$0.02476 0.02755

Luminaire Charges

Nominal Watts	Lamp Size		All-Night Service Monthly kWh	Midnight Service Monthly kWh	Description	Price Per Luminaire	
	Nominal Watts	Lumens (Approx.)				Per Mo.	Per Year
100	3,500		40	19	Mercury Vapor Street	\$11.28	\$135.36
175	7,000		67	31	Mercury Vapor Street	\$13.65	\$163.80
250	11,000		95	44	Mercury Vapor Street	\$15.67	\$188.04
400	20,000		154	71	Mercury Vapor Street	\$18.94	\$227.28
1,000	60,000		388	180	Mercury Vapor Street	\$39.06	\$468.72
250	11,000		95	44	Mercury Vapor Flood	\$16.79	\$201.48
400	20,000		154	71	Mercury Vapor Flood	\$20.38	\$244.56
1,000	60,000		388	180	Mercury Vapor Flood	\$34.74	\$416.88
100	3,500		40	19	Mercury Vapor Power Bracke	\$11.40	\$136.80
175	7,000		67	31	Mercury Vapor Power Bracke	\$12.81	\$153.72
50	4,000		21	10	Sodium Vapor Street	\$11.51	\$138.12
100	9,500		43	20	Sodium Vapor Street	\$13.14	\$157.68
150	16,000		60	28	Sodium Vapor Street	\$13.20	\$158.40
250	30,000		101	47	Sodium Vapor Street	\$16.91	\$202.92
400	50,000		161	75	Sodium Vapor Street	\$21.70	\$260.40
1,000	140,000		398	185	Sodium Vapor Street	\$38.55	\$462.60
150	16,000		60	28	Sodium Vapor Flood	\$15.44	\$185.28
250	30,000		101	47	Sodium Vapor Flood	\$18.47	\$221.64
400	50,000		161	75	Sodium Vapor Flood	\$21.18	\$254.16
1,000	140,000		398	185	Sodium Vapor Flood	\$38.90	\$466.80
50	4,000		21	10	Sodium Vapor Power Bracke	\$10.54	\$126.48
100	9,500		43	20	Sodium Vapor Power Bracke	\$12.01	\$144.12
175	8,800		66	31	Metal Halide Street	\$17.65	\$211.80
250	13,500		92	43	Metal Halide Street	\$19.32	\$231.84
400	23,500		148	69	Metal Halide Street	\$20.09	\$241.08
175	8,800		66	31	Metal Halide Flood	\$20.62	\$247.44
250	13,500		92	43	Metal Halide Flood	\$22.38	\$268.56
400	23,500		148	69	Metal Halide Flood	\$22.42	\$269.04
175	8,800		66	31	Metal Halide Power Bracke	\$16.42	\$197.04
250	13,500		92	43	Metal Halide Power Bracke	\$17.55	\$210.60
400	23,500		148	69	Metal Halide Power Bracke	\$18.86	\$226.32

(1) Includes low-income portion of \$0.00150 per kWh and energy efficiency portion of \$0.00180 per kWh.

* Authorized by NHPUC Order No. 25,656 in Case No. DE 14-063, dated April 30, 2014.
 ** Authorized by NHPUC Order No. ~~25,608~~ in Case No. ~~DE 14-170~~, dated ~~July 31, 2014~~
 *** Authorized by NHPUC Order No. 25,498 in Case No. DE 13-084, dated April 25, 2013
 **** Authorized by NHPUC Order No. 24,903 in Case No. DE 08-097, dated September 30, 2008

0030

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

Thirty-Third~~Second~~ Revised Page 6
 Superseding Thirty-Second~~First~~ Revised Page 6

**SUMMARY OF LOW-INCOME
 ELECTRIC ASSISTANCE PROGRAM DISCOUNTS**

Low-Income Electric Assistance Program (LI-EAP) Discounts for Eligible Customers

Tier	Percentage of Federal Poverty Guidelines	Discount (5)	Blocks	LI-EAP discount Delivery-Only; Excludes Supply		LI-EAP discount Delivery Only; Excludes Supply	LI-EAP discount Fixed Default Service Supply Only	LI-EAP discount Variable Default Service Supply Only							
				Jun 2015 - Nov 2015 (1)	Aug 2015 - Nov 2015 (1)	Jun 2015 - Nov 2015 (2)	Jun-15 (3)	Jul-15 (3)	Aug-15 (3)	Sep-15 (3)	Oct-15 (3)	Nov-15 (3)			
1 (4)	N/A	N/A													
2	151 - 200	9%	Customer Charge	(\$0.92)	(\$0.92)										
			First 250 kWh	(\$0.00524)	(\$0.00549)		(\$0.00623)		(\$0.00594)	(\$0.00660)	(\$0.00591)	(\$0.00555)	(\$0.00574)	(\$0.00759)	
			Next 500 kWh	(\$0.00569)	(\$0.00594)		(\$0.00623)		(\$0.00594)	(\$0.00660)	(\$0.00591)	(\$0.00555)	(\$0.00574)	(\$0.00759)	
			Excess 750 kWh	\$0.00000	\$0.00000		\$0.00000		\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
3	126 - 150	23%	Customer Charge	(\$2.36)	(\$2.36)										
			First 250 kWh	(\$0.01340)	(\$0.01404)		(\$0.01592)		(\$0.01519)	(\$0.01687)	(\$0.01509)	(\$0.01419)	(\$0.01468)	(\$0.01941)	
			Next 500 kWh	(\$0.01455)	(\$0.01519)		(\$0.01592)		(\$0.01519)	(\$0.01687)	(\$0.01509)	(\$0.01419)	(\$0.01468)	(\$0.01941)	
			Excess 750 kWh	\$0.00000	\$0.00000		\$0.00000		\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
4	101 - 125	37%	Customer Charge	(\$3.80)	(\$3.80)										
			First 250 kWh	(\$0.02155)	(\$0.02258)		(\$0.02561)		(\$0.02443)	(\$0.02713)	(\$0.02428)	(\$0.02283)	(\$0.02361)	(\$0.03122)	
			Next 500 kWh	(\$0.02340)	(\$0.02443)		(\$0.02561)		(\$0.02443)	(\$0.02713)	(\$0.02428)	(\$0.02283)	(\$0.02361)	(\$0.03122)	
			Excess 750 kWh	\$0.00000	\$0.00000		\$0.00000		\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
5	76 - 100	53%	Customer Charge	(\$5.44)	(\$5.44)										
			First 250 kWh	(\$0.03087)	(\$0.03235)		(\$0.03668)		(\$0.03500)	(\$0.03886)	(\$0.03478)	(\$0.03271)	(\$0.03382)	(\$0.04472)	
			Next 500 kWh	(\$0.03352)	(\$0.03500)		(\$0.03668)		(\$0.03500)	(\$0.03886)	(\$0.03478)	(\$0.03271)	(\$0.03382)	(\$0.04472)	
			Excess 750 kWh	\$0.00000	\$0.00000		\$0.00000		\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
6	0 - 75	77%	Customer Charge	(\$7.91)	(\$7.91)										
			First 250 kWh	(\$0.04485)	(\$0.04700)		(\$0.05329)		(\$0.05084)	(\$0.05646)	(\$0.05054)	(\$0.04752)	(\$0.04914)	(\$0.06496)	
			Next 500 kWh	(\$0.04870)	(\$0.05085)		(\$0.05329)		(\$0.05084)	(\$0.05646)	(\$0.05054)	(\$0.04752)	(\$0.04914)	(\$0.06496)	
			Excess 750 kWh	\$0.00000	\$0.00000		\$0.00000		\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000

(1) Discount calculated using total utility charges from Page 4 (excluding the Electricity Consumption Tax) multiplied by the appropriate discount. These figures exclude default service and are applicable to customers choosing a Competitive Supplier or self-supply. Customers taking default service from the Company would receive these discounts plus the appropriate discount applicable to default service supply.

(2) Discount calculated using Non-G1 class (Residential) Fixed Default Service Rate multiplied by the appropriate discount. These figures exclude delivery.

(3) Discount calculated using Non-G1 class (Residential) Variable Default Service Rate, for the applicable month, multiplied by the appropriate discount. These figures exclude delivery.

(4) Tier 1 was eliminated by Order No. 25,200 in DE 10-192 dated March 4, 2011.

(5) Discounts effective May 1, 2014 and in effect for 24 months in accordance with Order No. 25-643 in DE 14-078. UES received a waiver to implement these on May 1, 2014.

Authorized by NHPUC Order No. ~~25,777~~ in Case No. ~~DE 15-079~~, dated ~~April 10, 2015~~

Issued: June 17~~April 3~~, 2015
 Effective: August~~June~~ 1, 2015

Issued By: Mark H. Collin
 Treasurer

0031

EXTERNAL DELIVERY CHARGE
SCHEDULE EDC

The External Delivery Charge ("EDC"), as specified on Calculation of the External Delivery Charge, shall be billed by the Company to all customers taking Delivery Service from the Company. The purpose of the EDC is to recover, on a fully reconciling basis, the costs billed to the Company by Other Transmission Providers as well as third party costs billed to the Company for energy and transmission related services as specified herein.

The EDC shall include the following charges, except that third party costs associated with Default Service shall be included in the Default Service Charge: 1) charges billed to the Company by Other Transmission Providers as well as any charges relating to the stability of the transmission system which the Company is authorized to recover by order of the regulatory agency having jurisdiction over such charges, 2) transmission-based assessments or fees billed by or through regulatory agencies, 3) costs billed by third parties for load estimation and reconciliation and data and information services necessary for allocation and reporting of supplier loads, and for reporting to, and receiving data from, ISO New England, 4) legal and consulting outside service charges related to the Company's transmission and energy obligations and responsibilities, including legal and regulatory activities associated with the independent system operator ("ISO"), New England Power Pool ("NEPOOL"), regional transmission organization ("RTO") and Federal Energy Regulatory Commission ("FERC"), 5) the costs of Administrative Service Charges billed to the Company by Unitil Power Corp. under the FERC-approved Amended Unitil System Agreement, 6) Effective July 1, 2014, in accordance with RSA 363-A:6, amounts above or below the total NHPUC Assessment, less amounts charged to base distribution and Default Service~~the Non-Distribution Portion of the annual NHPUC Assessment~~, and 7) cash working capital associated with Other Flow-Through Operating Expenses. In addition, the EDC shall include the over- or under-collection from the Company's Vegetation Management Program and Reliability Enhancement Program for calendar years 2013, 2014 and 2015. The over- or under- collection shall be credited or charged to the EDC on May 1 of the following year. For purposes of this Schedule, "Other Transmission Provider" shall be defined as any transmission provider and other regional transmission and/or operating entities, such as NEPOOL, a regional transmission group ("RTG"), an ISO, and their successors, or other such body with the oversight of regional transmission, in the event that any of these entities are authorized to bill the Company directly for their services.

The EDC shall be established annually based on a forecast of includable costs, and shall also include a full reconciliation with interest for any over- or under-recoveries occurring in prior year(s). Interest shall be calculated at the prime rate, with said prime rate to be fixed on a quarterly basis and to be established as reported in THE WALL STREET JOURNAL on the first business day of the month preceding the calendar quarter. If more than one interest rate is reported, the average of the reported rates shall be used. The Company may file to change the EDC at any time should significant over- or under-recoveries occur or be expected to occur.

Any adjustment to the EDC shall be in accordance with a notice filed with the Commission setting forth the amount of the proposed charge and the amount of the increase or decrease. The notice shall further specify the effective date of such charge, which shall not be earlier than forty-five days after the filing of the notice, or such other date as the Commission may authorize. The annual adjustment to the EDC shall be derived in the same manner as that provided by Calculation of the External Delivery Charge.

Authorized by NHPUC Order No. ~~25,656~~ in Case No DE ~~14-063~~ dated ~~April 30, 2014~~

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

Residential Rate D 646 kWh Bill

	6/1/2015	8/1/2015					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill*</u>	<u>As Revised Bill*</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.03404	\$0.03404	\$0.00000	\$8.51	\$8.51	\$0.00	0.0%
Excess 250 kWh	\$0.03904	\$0.03904	\$0.00000	\$15.46	\$15.46	\$0.00	0.0%
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279	\$11.96	\$13.77	\$1.80	1.9%
Stranded Cost Charge	\$0.00018	\$0.00018	\$0.00000	\$0.12	\$0.12	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$1.43	\$1.43	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$2.13	\$2.13	\$0.00	0.0%
Default Service Charge	<u>\$0.06921</u>	<u>\$0.06921</u>	<u>\$0.00000</u>	<u>\$44.71</u>	<u>\$44.71</u>	<u>\$0.00</u>	<u>0.0%</u>
First 250 kWh	\$0.12746	\$0.13025	\$0.00279				
Excess 250 kWh	\$0.13246	\$0.13525	\$0.00279				
Total Bill				\$94.59	\$96.39	\$1.80	1.9%

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

	6/1/2015	8/1/2015					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill*</u>	<u>As Revised Bill*</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$18.41	\$18.41	\$0.00	\$18.41	\$18.41	\$0.00	0.0%
	<u>All kW</u>	<u>All kW</u>					
Distribution Charge	\$10.31	\$10.31	\$0.00	\$113.41	\$113.41	\$0.00	0.0%
Stranded Cost Charge	<u>\$0.04</u>	<u>\$0.04</u>	<u>\$0.00</u>	<u>\$0.44</u>	<u>\$0.44</u>	<u>\$0.00</u>	<u>0.0%</u>
Total	\$10.35	\$10.35	\$0.00	\$113.85	\$113.85	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279	\$51.86	\$59.67	\$7.81	2.0%
Stranded Cost Charge	\$0.00004	\$0.00004	\$0.00000	\$0.11	\$0.11	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$6.19	\$6.19	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$9.24	\$9.24	\$0.00	0.0%
Default Service Charge	<u>\$0.06993</u>	<u>\$0.06993</u>	<u>\$0.00000</u>	<u>\$195.80</u>	<u>\$195.80</u>	<u>\$0.00</u>	<u>0.0%</u>
Total	\$0.09400	\$0.09679	\$0.00279	\$263.20	\$271.01	\$7.81	2.0%
Total Bill				\$395.46	\$403.27	\$7.81	2.0%

* Impacts do not include the Electricity Consumption Tax.

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

<u>Regular General G2 Quick Recovery Water Heating and Space Heating 1,620 kWh Typical Bill</u>							
	6/1/2015	8/1/2015					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill*</u>	<u>As Revised Bill*</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$6.25	\$6.25	\$0.00	\$6.25	\$6.25	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.03073	\$0.03073	\$0.00000	\$49.78	\$49.78	\$0.00	0.0%
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279	\$30.00	\$34.52	\$4.52	2.2%
Stranded Cost Charge	\$0.00018	\$0.00018	\$0.00000	\$0.29	\$0.29	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$3.58	\$3.58	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$5.35	\$5.35	\$0.00	0.0%
Default Service Charge	<u>\$0.06993</u>	<u>\$0.06993</u>	<u>\$0.00000</u>	<u>\$113.29</u>	<u>\$113.29</u>	<u>\$0.00</u>	<u>0.0%</u>
Total	\$0.12487	\$0.12766	\$0.00279	\$202.29	\$206.81	\$4.52	2.2%
Total Bill				\$208.54	\$213.06	\$4.52	2.2%

<u>Regular General G2 kWh Meter 125 kWh Typical Bill</u>							
	6/1/2015	8/1/2015					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill*</u>	<u>As Revised Bill*</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$13.94	\$13.94	\$0.00	\$13.94	\$13.94	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.03211	\$0.03211	\$0.00000	\$4.01	\$4.01	\$0.00	0.0%
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279	\$2.32	\$2.66	\$0.35	1.2%
Stranded Cost Charge	\$0.00018	\$0.00018	\$0.00000	\$0.02	\$0.02	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$0.28	\$0.28	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$0.41	\$0.41	\$0.00	0.0%
Default Service Charge	<u>\$0.06993</u>	<u>\$0.06993</u>	<u>\$0.00000</u>	<u>\$8.74</u>	<u>\$8.74</u>	<u>\$0.00</u>	<u>0.0%</u>
Total	\$0.12625	\$0.12904	\$0.00279	\$15.78	\$16.13	\$0.35	1.2%
Total Bill				\$29.72	\$30.07	\$0.35	1.2%

* Impacts do not include the Electricity Consumption Tax.

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

0035

<u>Large General - G1 550 kVa, 200,000 kWh Typical Bill</u>							
	6/1/2015	8/1/2015					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill*</u>	<u>As Revised Bill*</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$97.16	\$97.16	\$0.00	\$97.16	\$97.16	\$0.00	0.0%
	<u>All kVa</u>	<u>All kVa</u>					
Distribution Charge	\$6.95	\$6.95	\$0.00	\$3,822.50	\$3,822.50	\$0.00	0.0%
Stranded Cost Charge	\$0.05	\$0.05	\$0.00	\$27.50	\$27.50	\$0.00	0.0%
Total	\$7.00	\$7.00	\$0.00	\$3,850.00	\$3,850.00	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge	\$0.00000	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279	\$3,704.00	\$4,262.00	\$558.00	3.3%
Stranded Cost Charge	\$0.00005	\$0.00005	\$0.00000	\$10.00	\$10.00	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$442.00	\$442.00	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$660.00	\$660.00	\$0.00	0.0%
Default Service Charge **	\$0.04087	\$0.04087	\$0.00000	\$8,174.00	\$8,174.00	\$0.00	0.0%
Total	\$0.06495	\$0.06774	\$0.00279	\$12,990.00	\$13,548.00	\$558.00	3.3%
Total Bill				\$16,937.16	\$17,495.16	\$558.00	3.3%

* Impacts do not include the Electricity Consumption Tax.

** Default Service Charge for the G1 class is determined monthly. For purposes of this comparison, the rate is unchanged.

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

Residential Rate D 646 kWh Bill - Mean Use*

	6/1/2015	8/1/2015					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill**</u>	<u>As Revised Bill**</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.03404	\$0.03404	\$0.00000	\$8.51	\$8.51	\$0.00	0.0%
Excess 250 kWh	\$0.03904	\$0.03904	\$0.00000	\$15.46	\$15.46	\$0.00	0.0%
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279	\$11.96	\$13.77	\$1.80	1.9%
Stranded Cost Charge	\$0.00018	\$0.00018	\$0.00000	\$0.12	\$0.12	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$1.43	\$1.43	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$2.13	\$2.13	\$0.00	0.0%
Default Service Charge	<u>\$0.06921</u>	<u>\$0.06921</u>	<u>\$0.00000</u>	<u>\$44.71</u>	<u>\$44.71</u>	<u>\$0.00</u>	<u>0.0%</u>
First 250 kWh	\$0.12746	\$0.13025	\$0.00279				
Excess 250 kWh	\$0.13246	\$0.13525	\$0.00279				
Total Bill				\$94.59	\$96.39	\$1.80	1.9%

Residential Rate D 534 kWh Bill - Median Use*

	6/1/2015	8/1/2015					%
<u>Rate Components</u>	<u>Current Rate</u>	<u>As Revised</u>	<u>Difference</u>	<u>Current Bill**</u>	<u>As Revised Bill**</u>	<u>Difference</u>	<u>Difference to Total Bill</u>
Customer Charge	\$10.27	\$10.27	\$0.00	\$10.27	\$10.27	\$0.00	0.0%
	<u>\$/kWh</u>	<u>\$/kWh</u>					
Distribution Charge							
First 250 kWh	\$0.03404	\$0.03404	\$0.00000	\$8.51	\$8.51	\$0.00	0.0%
Excess 250 kWh	\$0.03904	\$0.03904	\$0.00000	\$11.09	\$11.09	\$0.00	0.0%
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279	\$9.89	\$11.38	\$1.49	1.9%
Stranded Cost Charge	\$0.00018	\$0.00018	\$0.00000	\$0.10	\$0.10	\$0.00	0.0%
Storm Recovery Adj.	\$0.00221	\$0.00221	\$0.00000	\$1.18	\$1.18	\$0.00	0.0%
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	\$1.76	\$1.76	\$0.00	0.0%
Default Service Charge	<u>\$0.06921</u>	<u>\$0.06921</u>	<u>\$0.00000</u>	<u>\$36.96</u>	<u>\$36.96</u>	<u>\$0.00</u>	<u>0.0%</u>
First 250 kWh	\$0.12746	\$0.13025	\$0.00279				
Excess 250 kWh	\$0.13246	\$0.13525	\$0.00279				
Total Bill				\$79.75	\$81.24	\$1.49	1.9%

* Based on billing period March 2014 through February 2015.

** Impacts do not include the Electricity Consumption Tax.

Unitil Energy Systems, Inc.
Average Class Bill Impacts
Due to Proposed Rate Changes Effective August 1, 2015

0037

(A) <u>Class of Service</u>	(B) <u>Annual Number of Customers (luminaires for Outdoor Lighting)</u>	(C) <u>Annual kWh Sales</u>	(D) <u>Annual kW / kVA Sales</u>	(E) <u>Proposed SCC Change \$</u>	(F) <u>Proposed EDC Change \$</u>	(G) <u>Estimated Annual Revenue \$ Under Present Rates</u>	(H) <u>Estimated Annual Revenue \$ Under Proposed Rates</u>	(I) <u>Proposed Net Change Revenue \$</u>	(J) <u>% Change Net SCC & EDC Revenue</u>
Residential	763,694	480,638,599	n/a	\$0	\$1,340,982	\$70,644,481	\$71,985,463	\$1,340,982	1.9%
General Service	129,249	340,275,469	1,301,458	\$0	\$949,369	\$47,955,713	\$48,905,081	\$949,369	2.0%
Large General Service	1,814	347,650,754	989,158	\$0	\$969,946	\$29,502,206	\$30,472,152	\$969,946	3.3%
Outdoor Lighting	115,819	8,988,739	n/a	\$0	\$25,079	\$2,584,656	\$2,609,735	\$25,079	1.0%
Total	1,010,576	1,177,553,561		\$0	\$3,285,374	\$150,687,057	\$153,972,431	\$3,285,374	2.2%

(B), (C), (D) Test year billing determinants in DE 10-055
(E) and (F) Difference in proposed rate and current rate, times the billing determinants shown in Column (C).
(G) Based on current rates times billing determinants shown in Columns (B), (C) and (D).
(H) Sum of Columns (E) through (G)
(I) Column (H) minus Column (G)
(J) Column (E) + Column (F) divided by Column (G)

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2015 versus August 1, 2015 Impacts do NOT include the Electricity Consumption Tax Impact on D Rate Customers				
Average kWh	Total Bill Using Rates 6/1/2015	Total Bill Using Rates 8/1/2015	Total Difference	% Total Difference
125	\$26.20	\$26.55	\$0.35	1.3%
250	\$42.14	\$42.83	\$0.70	1.7%
500	\$75.25	\$76.65	\$1.39	1.9%
600	\$88.50	\$90.17	\$1.67	1.9%
750	\$108.37	\$110.46	\$2.09	1.9%
1,000	\$141.48	\$144.27	\$2.79	2.0%
1,250	\$174.60	\$178.08	\$3.49	2.0%
1,500	\$207.71	\$211.90	\$4.18	2.0%
2,000	\$273.94	\$279.52	\$5.58	2.0%
3,500	\$472.63	\$482.40	\$9.76	2.1%
5,000	\$671.32	\$685.27	\$13.95	2.1%

	Rates - Effective June 1, 2015	Rates - Proposed August 1, 2015	Difference
Customer Charge	\$10.27	\$10.27	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge: First 250 kWh	\$0.03404	\$0.03404	\$0.00000
Excess 250 kWh	\$0.03904	\$0.03904	\$0.00000
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279
Stranded Cost Charge	\$0.00018	\$0.00018	\$0.00000
Storm Recovery Adjustment Factor	\$0.00221	\$0.00221	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	<u>\$0.06921</u>	<u>\$0.06921</u>	<u>\$0.00000</u>
TOTAL First 250 kWh	\$0.12746	\$0.13025	\$0.00279
Excess 250 kWh	\$0.13246	\$0.13525	\$0.00279

Unitil Energy Systems, Inc.
Typical Bill Impacts - June 1, 2015 versus August 1, 2015
Impacts do NOT include the Electricity Consumption Tax
Impact on G2 Rate Customers

<u>Load Factor</u>	<u>Average Monthly kW</u>	<u>Average Monthly kWh</u>	<u>Total Bill Using Rates 6/1/2015</u>	<u>Total Bill Using Rates 8/1/2015</u>	<u>Total Difference</u>	<u>% Total Difference</u>
20%	5	730	\$138.78	\$140.82	\$2.04	1.5%
20%	10	1,460	\$259.15	\$263.22	\$4.07	1.6%
20%	15	2,190	\$379.52	\$385.63	\$6.11	1.6%
20%	25	3,650	\$620.26	\$630.44	\$10.18	1.6%
20%	50	7,300	\$1,222.11	\$1,242.48	\$20.37	1.7%
20%	75	10,950	\$1,823.96	\$1,854.51	\$30.55	1.7%
20%	100	14,600	\$2,425.81	\$2,466.54	\$40.73	1.7%
20%	150	21,900	\$3,629.51	\$3,690.61	\$61.10	1.7%
36%	5	1,314	\$193.68	\$197.34	\$3.67	1.9%
36%	10	2,628	\$368.94	\$376.27	\$7.33	2.0%
36%	15	3,942	\$544.21	\$555.21	\$11.00	2.0%
36%	25	6,570	\$894.74	\$913.07	\$18.33	2.0%
36%	50	13,140	\$1,771.07	\$1,807.73	\$36.66	2.1%
36%	75	19,710	\$2,647.40	\$2,702.39	\$54.99	2.1%
36%	100	26,280	\$3,523.73	\$3,597.05	\$73.32	2.1%
36%	150	39,420	\$5,276.39	\$5,386.37	\$109.98	2.1%
50%	5	1,825	\$241.71	\$246.80	\$5.09	2.1%
50%	10	3,650	\$465.01	\$475.19	\$10.18	2.2%
50%	15	5,475	\$688.31	\$703.59	\$15.28	2.2%
50%	25	9,125	\$1,134.91	\$1,160.37	\$25.46	2.2%
50%	50	18,250	\$2,251.41	\$2,302.33	\$50.92	2.3%
50%	75	27,375	\$3,367.91	\$3,444.29	\$76.38	2.3%
50%	100	36,500	\$4,484.41	\$4,586.25	\$101.84	2.3%
50%	150	54,750	\$6,717.41	\$6,870.16	\$152.75	2.3%

	<u>Rates - Effective June 1, 2015</u>	<u>Rates - Proposed August 1, 2015</u>	<u>Difference</u>
Customer Charge	\$18.41	\$18.41	\$0.00
	<u>All kW</u>	<u>All kW</u>	<u>All kW</u>
Distribution Charge	\$10.31	\$10.31	\$0.00
Stranded Cost Charge	\$0.04	\$0.04	\$0.00
TOTAL	\$10.35	\$10.35	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge	\$0.00000	\$0.00000	\$0.00000
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279
Stranded Cost Charge	\$0.00004	\$0.00004	\$0.00000
Storm Recovery Adj. Factor	\$0.00221	\$0.00221	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	\$0.06993	\$0.06993	\$0.00000
TOTAL	\$0.09400	\$0.09679	\$0.00279

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2015 versus August 1, 2015 Impacts do NOT include the Electricity Consumption Tax Impact on G2 kWh Meter Rate Customers				
Average Monthly kWh	Total Bill Using Rates 6/1/2015	Total Bill Using Rates 8/1/2015	Total Difference	% Total Difference
15	\$15.83	\$15.88	\$0.04	0.3%
75	\$23.41	\$23.62	\$0.21	0.9%
150	\$32.88	\$33.30	\$0.42	1.3%
250	\$45.50	\$46.20	\$0.70	1.5%
350	\$58.13	\$59.10	\$0.98	1.7%
450	\$70.75	\$72.01	\$1.26	1.8%
550	\$83.38	\$84.91	\$1.53	1.8%
650	\$96.00	\$97.82	\$1.81	1.9%
750	\$108.63	\$110.72	\$2.09	1.9%
900	\$127.57	\$130.08	\$2.51	2.0%
	Rates - Effective June 1, 2015	Rates - Proposed August 1, 2015	Difference	
kWh Meter Customer Charge	\$13.94	\$13.94	\$0.00	
	All kWh	All kWh	All kWh	
Distribution Charge	\$0.03211	\$0.03211	\$0.00000	
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279	
Stranded Cost Charge	\$0.00018	\$0.00018	\$0.00000	
Storm Recovery Adjustment Factor	\$0.00221	\$0.00221	\$0.00000	
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000	
Default Service Charge	<u>\$0.06993</u>	<u>\$0.06993</u>	<u>\$0.00000</u>	
TOTAL	\$0.12625	\$0.12904	\$0.00279	

Unitil Energy Systems, Inc.						
Typical Bill Impacts - June 1, 2015 versus August 1, 2015						
Impacts do NOT include the Electricity Consumption Tax						
Impact on G1 Rate Customers						
Load Factor	Average Monthly kVa	Average Monthly kWh	Total Bill Using Rates 6/1/2015	Total Bill Using Rates 8/1/2015	Total Difference	% Total Difference
25.0%	200	36,500	\$3,867.84	\$3,969.67	\$101.84	2.6%
25.0%	400	73,000	\$7,638.51	\$7,842.18	\$203.67	2.7%
25.0%	600	109,500	\$11,409.19	\$11,714.69	\$305.50	2.7%
25.0%	800	146,000	\$15,179.86	\$15,587.20	\$407.34	2.7%
25.0%	1,000	182,500	\$18,950.54	\$19,459.71	\$509.18	2.7%
25.0%	1,500	273,750	\$28,377.22	\$29,140.99	\$763.76	2.7%
25.0%	2,000	365,000	\$37,803.91	\$38,822.26	\$1,018.35	2.7%
25.0%	2,500	456,250	\$47,230.60	\$48,503.54	\$1,272.94	2.7%
25.0%	3,000	547,500	\$56,657.29	\$58,184.81	\$1,527.52	2.7%
40.0%	200	58,400	\$5,290.24	\$5,453.18	\$162.94	3.1%
40.0%	400	116,800	\$10,483.32	\$10,809.19	\$325.87	3.1%
40.0%	600	175,200	\$15,676.40	\$16,165.21	\$488.81	3.1%
40.0%	800	233,600	\$20,869.48	\$21,521.22	\$651.74	3.1%
40.0%	1,000	292,000	\$26,062.56	\$26,877.24	\$814.68	3.1%
40.0%	1,500	438,000	\$39,045.26	\$40,267.28	\$1,222.02	3.1%
40.0%	2,000	584,000	\$52,027.96	\$53,657.32	\$1,629.36	3.1%
40.0%	2,500	730,000	\$65,010.66	\$67,047.36	\$2,036.70	3.1%
40.0%	3,000	876,000	\$77,993.36	\$80,437.40	\$2,444.04	3.1%
57.0%	200	83,220	\$6,902.30	\$7,134.48	\$232.18	3.4%
57.0%	400	166,440	\$13,707.44	\$14,171.81	\$464.37	3.4%
57.0%	600	249,660	\$20,512.58	\$21,209.13	\$696.55	3.4%
57.0%	800	332,880	\$27,317.72	\$28,246.45	\$928.74	3.4%
57.0%	1,000	416,100	\$34,122.86	\$35,283.77	\$1,160.92	3.4%
57.0%	1,500	624,150	\$51,135.70	\$52,877.08	\$1,741.38	3.4%
57.0%	2,000	832,200	\$68,148.55	\$70,470.39	\$2,321.84	3.4%
57.0%	2,500	1,040,250	\$85,161.40	\$88,063.70	\$2,902.30	3.4%
57.0%	3,000	1,248,300	\$102,174.25	\$105,657.00	\$3,482.76	3.4%
71.0%	200	103,660	\$8,229.88	\$8,519.09	\$289.21	3.5%
71.0%	400	207,320	\$16,362.59	\$16,941.02	\$578.42	3.5%
71.0%	600	310,980	\$24,495.31	\$25,362.95	\$867.63	3.5%
71.0%	800	414,640	\$32,628.03	\$33,784.87	\$1,156.85	3.5%
71.0%	1,000	518,300	\$40,760.75	\$42,206.80	\$1,446.06	3.5%
71.0%	1,500	777,450	\$61,092.54	\$63,261.62	\$2,169.09	3.6%
71.0%	2,000	1,036,600	\$81,424.33	\$84,316.44	\$2,892.11	3.6%
71.0%	2,500	1,295,750	\$101,756.12	\$105,371.27	\$3,615.14	3.6%
71.0%	3,000	1,554,900	\$122,087.92	\$126,426.09	\$4,338.17	3.6%

	Rates - Effective June 1, 2015	Rates - Proposed August 1, 2015	Difference
Customer Charge	\$97.16	\$97.16	\$0.00
	<u>All kVA</u>	<u>All kVA</u>	<u>All kVA</u>
Distribution Charge	\$6.95	\$6.95	\$0.00
Stranded Cost Charge	\$0.05	\$0.05	\$0.00
TOTAL	\$7.00	\$7.00	\$0.00
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.00000	\$0.00000	\$0.00000
External Delivery Charge	\$0.01852	\$0.02131	\$0.00279
Stranded Cost Charge	\$0.00005	\$0.00005	\$0.00000
Storm Recovery Adjustment Factor	\$0.00221	\$0.00221	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge*	\$0.04087	\$0.04087	\$0.00000
TOTAL	\$0.06495	\$0.06774	\$0.00279

* Default Service Charge for the G1 class is determined monthly. For purposes of this comparison, the rate is unchanged.

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2015 versus August 1, 2015 Impacts do NOT include the Electricity Consumption Tax Impact on OL Rate Customers *								
	Nominal Watts	Lumens	Type	Average Monthly kWh	Total Bill Using Rates 6/1/2015	Total Bill Using Rates 8/1/2015	Total Difference	% Total Difference
<u>Mercury Vapor:</u>								
1	100	3,500	ST	40	\$15.05	\$15.16	\$0.11	0.7%
2	175	7,000	ST	67	\$19.96	\$20.14	\$0.19	0.9%
3	250	11,000	ST	95	\$24.61	\$24.88	\$0.27	1.1%
4	400	20,000	ST	154	\$33.44	\$33.87	\$0.43	1.3%
5	1,000	60,000	ST	388	\$75.59	\$76.67	\$1.08	1.4%
6	250	11,000	FL	95	\$25.73	\$26.00	\$0.27	1.0%
7	400	20,000	FL	154	\$34.88	\$35.31	\$0.43	1.2%
8	1,000	60,000	FL	388	\$71.27	\$72.35	\$1.08	1.5%
9	100	3,500	PB	40	\$15.17	\$15.28	\$0.11	0.7%
10	175	7,000	PB	67	\$19.12	\$19.30	\$0.19	1.0%
<u>High Pressure Sodium:</u>								
11	50	4,000	ST	21	\$13.49	\$13.55	\$0.06	0.4%
12	100	9,500	ST	43	\$17.19	\$17.31	\$0.12	0.7%
13	150	16,000	ST	60	\$18.85	\$19.02	\$0.17	0.9%
14	250	30,000	ST	101	\$26.42	\$26.70	\$0.28	1.1%
15	400	50,000	ST	161	\$36.86	\$37.31	\$0.45	1.2%
16	1,000	140,000	ST	398	\$76.02	\$77.13	\$1.11	1.5%
17	150	16,000	FL	60	\$21.09	\$21.26	\$0.17	0.8%
18	250	30,000	FL	101	\$27.98	\$28.26	\$0.28	1.0%
19	400	50,000	FL	161	\$36.34	\$36.79	\$0.45	1.2%
20	1,000	140,000	FL	398	\$76.37	\$77.48	\$1.11	1.5%
21	50	4,000	PB	21	\$12.52	\$12.58	\$0.06	0.5%
22	100	9,500	PB	43	\$16.06	\$16.18	\$0.12	0.7%
<u>Metal Halide:</u>								
23	175	8,800	ST	66	\$23.86	\$24.05	\$0.18	0.8%
24	250	13,500	ST	92	\$27.98	\$28.24	\$0.26	0.9%
25	400	23,500	ST	148	\$34.02	\$34.44	\$0.41	1.2%
26	175	8,800	FL	66	\$26.83	\$27.02	\$0.18	0.7%
27	250	13,500	FL	92	\$31.04	\$31.30	\$0.26	0.8%
28	400	23,500	FL	148	\$36.35	\$36.77	\$0.41	1.1%
29	175	8,800	PB	66	\$22.63	\$22.82	\$0.18	0.8%
30	250	13,500	PB	92	\$26.21	\$26.47	\$0.26	1.0%
31	400	23,500	PB	148	\$32.79	\$33.21	\$0.41	1.3%
Luminaire Charges For Year Round Service:								
Rates - Effective June 1, 2015								
		<u>Mercury Vapor Rate/Mo.</u>		<u>Sodium Vapor Rate/Mo.</u>		<u>Metal Halide Rate/Mo.</u>		
Customer Charge	\$0.00	1 \$11.28		11 \$11.51		23 \$17.65		
		2 \$13.65		12 \$13.14		24 \$19.32		
	<u>All kWh</u>	3 \$15.67		13 \$13.20		25 \$20.09		
Distribution Charge	\$0.00000	4 \$18.94		14 \$16.91		26 \$20.62		
External Delivery Charge	\$0.01852	5 \$39.06		15 \$21.70		27 \$22.38		
Stranded Cost Charge	\$0.00018	6 \$16.79		16 \$38.55		28 \$22.42		
Storm Recovery Adj. Factor	\$0.00221	7 \$20.38		17 \$15.44		29 \$16.42		
System Benefits Charge	\$0.00330	8 \$34.74		18 \$18.47		30 \$17.55		
Default Service Charge	<u>\$0.06993</u>	9 \$11.40		19 \$21.18		31 \$18.86		
TOTAL	\$0.09414	10 \$12.81		20 \$38.90				
				21 \$10.54				
				22 \$12.01				
Rates - Proposed August 1, 2015								
		<u>Mercury Vapor Rate/Mo.</u>		<u>Sodium Vapor Rate/Mo.</u>		<u>Metal Halide Rate/Mo.</u>		
Customer Charge	\$0.00	1 \$11.28		11 \$11.51		23 \$17.65		
		2 \$13.65		12 \$13.14		24 \$19.32		
	<u>All kWh</u>	3 \$15.67		13 \$13.20		25 \$20.09		
Distribution Charge	\$0.00000	4 \$18.94		14 \$16.91		26 \$20.62		
External Delivery Charge	\$0.02131	5 \$39.06		15 \$21.70		27 \$22.38		
Stranded Cost Charge	\$0.00018	6 \$16.79		16 \$38.55		28 \$22.42		
Storm Recovery Adj. Factor	\$0.00221	7 \$20.38		17 \$15.44		29 \$16.42		
System Benefits Charge	\$0.00330	8 \$34.74		18 \$18.47		30 \$17.55		
Default Service Charge	<u>\$0.06993</u>	9 \$11.40		19 \$21.18		31 \$18.86		
TOTAL	\$0.09693	10 \$12.81		20 \$38.90				
				21 \$10.54				
				22 \$12.01				
	<u>Difference</u>	<u>Mercury Vapor-Difference</u>		<u>Sodium Vapor-Difference</u>		<u>Metal Halide-Difference</u>		
Customer Charge	\$0.00	1 \$0.00		11 \$0.00		23 \$0.00		
		2 \$0.00		12 \$0.00		24 \$0.00		
	<u>All kWh</u>	3 \$0.00		13 \$0.00		25 \$0.00		
Distribution Charge	\$0.00000	4 \$0.00		14 \$0.00		26 \$0.00		
External Delivery Charge	\$0.00279	5 \$0.00		15 \$0.00		27 \$0.00		
Stranded Cost Charge	\$0.00000	6 \$0.00		16 \$0.00		28 \$0.00		
Storm Recovery Adj. Factor	\$0.00000	7 \$0.00		17 \$0.00		29 \$0.00		
System Benefits Charge	\$0.00000	8 \$0.00		18 \$0.00		30 \$0.00		
Default Service Charge	<u>\$0.00000</u>	9 \$0.00		19 \$0.00		31 \$0.00		
TOTAL	\$0.00279	10 \$0.00		20 \$0.00				
				21 \$0.00				
				22 \$0.00				

* Luminaire charges based on All-Night Service option.

