

Unitil Energy Systems, Inc.					
Typical Bill Impacts as a Result of Proposed Rates for May 1, 2014 Step Adjustment					
Impacts do NOT include the Electricity Consumption Tax					
Impact on D Rate Customers					
	Average kWh	Total Bill Using Rates Effective 12/1/2013	Total Bill Using Rates Proposed 5/1/2014	Total Difference	% Total Difference
	125	\$29.49	\$29.70	\$0.21	0.7%
	250	\$48.72	\$49.13	\$0.41	0.8%
	500	\$88.42	\$89.24	\$0.82	0.9%
	600	\$104.29	\$105.28	\$0.99	0.9%
	750	\$128.11	\$129.35	\$1.24	1.0%
	1,000	\$167.81	\$169.46	\$1.65	1.0%
	1,250	\$207.51	\$209.57	\$2.06	1.0%
	1,500	\$247.21	\$249.68	\$2.48	1.0%
	2,000	\$326.60	\$329.90	\$3.30	1.0%
	3,500	\$564.79	\$570.56	\$5.77	1.0%
	5,000	\$802.97	\$811.22	\$8.25	1.0%

	Rates - Effective 12/1/2013	Rates - Proposed 5/1/2014	Difference
Customer Charge	\$10.27	\$10.27	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge: First 250 kWh	\$0.03239	\$0.03404	\$0.00165
Excess 250 kWh	\$0.03739	\$0.03904	\$0.00165
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000
Storm Recovery Adjustment Factor	\$0.00221	\$0.00221	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	<u>\$0.09556</u>	<u>\$0.09556</u>	<u>\$0.00000</u>
TOTAL First 250 kWh	\$0.15379	\$0.15544	\$0.00165
Excess 250 kWh	\$0.15879	\$0.16044	\$0.00165

ORIGINAL
N.H.P.U.C. Case No. <u>DE 14-063</u>
Exhibit No. <u>#3</u>
Witness <u>Panel</u>
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Unitil Energy Systems, Inc.
Typical Bill Impacts as a Result of Proposed Rates for May 1, 2014 Step Adjustment
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 Effective 12/1/2013</u>	<u>Total Bill Using Rates Proposed 5/1/2014</u>	<u>Total Difference</u>	<u>% Total Difference</u>
20%	5	730	\$152.68	\$154.79	\$2.11	1.4%
20%	10	1,460	\$287.50	\$291.16	\$3.66	1.3%
20%	15	2,190	\$422.33	\$427.54	\$5.21	1.2%
20%	25	3,650	\$691.98	\$700.29	\$8.31	1.2%
20%	50	7,300	\$1,366.12	\$1,382.18	\$16.06	1.2%
20%	75	10,950	\$2,040.25	\$2,064.06	\$23.81	1.2%
20%	100	14,600	\$2,714.38	\$2,745.94	\$31.56	1.2%
20%	150	21,900	\$4,062.65	\$4,109.71	\$47.06	1.2%
36%	5	1,314	\$220.30	\$222.41	\$2.11	1.0%
36%	10	2,628	\$422.75	\$426.41	\$3.66	0.9%
36%	15	3,942	\$625.19	\$630.40	\$5.21	0.8%
36%	25	6,570	\$1,030.09	\$1,038.40	\$8.31	0.8%
36%	50	13,140	\$2,042.33	\$2,058.39	\$16.06	0.8%
36%	75	19,710	\$3,054.57	\$3,078.38	\$23.81	0.8%
36%	100	26,280	\$4,066.81	\$4,098.37	\$31.56	0.8%
36%	150	39,420	\$6,091.29	\$6,138.35	\$47.06	0.8%
50%	5	1,825	\$279.47	\$281.58	\$2.11	0.8%
50%	10	3,650	\$541.08	\$544.74	\$3.66	0.7%
50%	15	5,475	\$802.70	\$807.91	\$5.21	0.6%
50%	25	9,125	\$1,325.93	\$1,334.24	\$8.31	0.6%
50%	50	18,250	\$2,634.02	\$2,650.08	\$16.06	0.6%
50%	75	27,375	\$3,942.10	\$3,965.91	\$23.81	0.6%
50%	100	36,500	\$5,250.19	\$5,281.75	\$31.56	0.6%
50%	150	54,750	\$7,866.35	\$7,913.41	\$47.06	0.6%

	<u>Rates - Effective 12/1/2013</u>	<u>Rates - Proposed 5/1/2014</u>	<u>Difference</u>
Customer Charge	\$17.85	\$18.41	\$0.56
Distribution Charge	<u>All kW</u> \$10.00	<u>All kW</u> \$10.31	<u>All kW</u> \$0.31
Stranded Cost Charge	<u>\$0.06</u>	<u>\$0.06</u>	<u>\$0.00</u>
TOTAL	\$10.06	\$10.37	\$0.31
Distribution Charge	<u>kWh</u> \$0.00000	<u>kWh</u> \$0.00000	<u>kWh</u> \$0.00000
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000
Stranded Cost Charge	\$0.00006	\$0.00006	\$0.00000
Storm Recovery Adj. Factor	\$0.00221	\$0.00221	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	<u>\$0.09016</u>	<u>\$0.09016</u>	<u>\$0.00000</u>
TOTAL	\$0.11579	\$0.11579	\$0.00000

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates for May 1, 2014 Step Adjustment Impacts do NOT include the Electricity Consumption Tax Impact on G2 kWh Meter Rate Customers				
Average Monthly kWh	Total Bill Using Rates Effective 12/1/2013	Total Bill Using Rates Proposed 5/1/2014	Total Difference	% Total Difference
15	\$15.73	\$16.16	\$0.43	2.8%
75	\$24.56	\$25.05	\$0.49	2.0%
150	\$35.59	\$36.16	\$0.57	1.6%
250	\$50.31	\$50.97	\$0.66	1.3%
350	\$65.02	\$65.78	\$0.76	1.2%
450	\$79.73	\$80.59	\$0.86	1.1%
550	\$94.45	\$95.40	\$0.95	1.0%
650	\$109.16	\$110.21	\$1.05	1.0%
750	\$123.88	\$125.02	\$1.15	0.9%
900	\$145.95	\$147.24	\$1.29	0.9%

	Rates - Effective 12/1/2013	Rates - Proposed 5/1/2014	Difference
kWh Meter Customer Charge	\$13.52	\$13.94	\$0.42
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.03114	\$0.03211	\$0.00097
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000
Storm Recovery Adjustment Factor	\$0.00221	\$0.00221	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	<u>\$0.09016</u>	<u>\$0.09016</u>	<u>\$0.00000</u>
TOTAL	\$0.14714	\$0.14811	\$0.00097

Unitil Energy Systems, Inc. Typical Bill Impacts as a Result of Proposed Rates for May 1, 2014 Step Adjustment Impacts do NOT include the Electricity Consumption Tax Impact on G2 QRWH and SH Rate Customers				
Average kWh	Total Bill Using Rates Effective 12/1/2013	Total Bill Using Rates Proposed 5/1/2014	Total Difference	% Total Difference
100	\$20.64	\$20.92	\$0.28	1.4%
200	\$35.22	\$35.60	\$0.38	1.1%
300	\$49.80	\$50.27	\$0.47	0.9%
400	\$64.38	\$64.94	\$0.56	0.9%
500	\$78.96	\$79.62	\$0.66	0.8%
750	\$115.41	\$116.30	\$0.89	0.8%
1,000	\$151.86	\$152.98	\$1.12	0.7%
1,500	\$224.76	\$226.35	\$1.59	0.7%
2,000	\$297.66	\$299.71	\$2.05	0.7%
2,500	\$370.56	\$373.08	\$2.52	0.7%

	Rates - Effective 12/1/2013	Rates - Proposed 5/1/2014	Difference
Customer Charge	\$6.06	\$6.25	\$0.19
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.02980	\$0.03073	\$0.00093
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000
Stranded Cost Charge	\$0.00027	\$0.00027	\$0.00000
Storm Recovery Adjustment Factor	\$0.00221	\$0.00221	\$0.00000
System Benefits Charge	\$0.00330	\$0.00330	\$0.00000
Default Service Charge	<u>\$0.09016</u>	<u>\$0.09016</u>	<u>\$0.00000</u>
TOTAL	\$0.14580	\$0.14673	\$0.00093

Unitil Energy Systems, Inc.						
Typical Bill Impacts as a Result of Proposed Rates for May 1, 2014 Step Adjustment						
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 Effective 12/1/2013	Total Bill Using Rates Proposed 5/1/2014	Total Difference	% Total Difference
25.0%	200	36,500	\$6,720.43	\$6,763.37	\$42.94	0.6%
25.0%	400	73,000	\$13,346.63	\$13,429.57	\$82.94	0.6%
25.0%	600	109,500	\$19,972.84	\$20,095.78	\$122.94	0.6%
25.0%	800	146,000	\$26,599.04	\$26,761.98	\$162.94	0.6%
25.0%	1,000	182,500	\$33,225.25	\$33,428.19	\$202.94	0.6%
25.0%	1,500	273,750	\$49,790.76	\$50,093.70	\$302.94	0.6%
25.0%	2,000	365,000	\$66,366.27	\$66,759.21	\$402.94	0.6%
25.0%	2,500	456,250	\$82,921.78	\$83,424.72	\$502.94	0.6%
25.0%	3,000	547,500	\$99,487.30	\$100,090.24	\$602.94	0.6%
40.0%	200	58,400	\$9,877.75	\$9,920.69	\$42.94	0.4%
40.0%	400	116,800	\$19,661.28	\$19,744.22	\$82.94	0.4%
40.0%	600	175,200	\$29,444.80	\$29,567.74	\$122.94	0.4%
40.0%	800	233,600	\$39,228.33	\$39,391.27	\$162.94	0.4%
40.0%	1,000	292,000	\$49,011.86	\$49,214.80	\$202.94	0.4%
40.0%	1,500	438,000	\$73,470.68	\$73,773.62	\$302.94	0.4%
40.0%	2,000	584,000	\$97,929.50	\$98,332.44	\$402.94	0.4%
40.0%	2,500	730,000	\$122,388.32	\$122,891.26	\$502.94	0.4%
40.0%	3,000	876,000	\$146,847.14	\$147,450.08	\$602.94	0.4%
57.0%	200	83,220	\$13,456.05	\$13,498.99	\$42.94	0.3%
57.0%	400	166,440	\$26,817.87	\$26,900.81	\$82.94	0.3%
57.0%	600	249,660	\$40,179.70	\$40,302.64	\$122.94	0.3%
57.0%	800	332,880	\$53,541.53	\$53,704.47	\$162.94	0.3%
57.0%	1,000	416,100	\$66,903.36	\$67,106.30	\$202.94	0.3%
57.0%	1,500	624,150	\$100,307.93	\$100,610.87	\$302.94	0.3%
57.0%	2,000	832,200	\$133,712.49	\$134,115.43	\$402.94	0.3%
57.0%	2,500	1,040,250	\$167,117.06	\$167,620.00	\$502.94	0.3%
57.0%	3,000	1,248,300	\$200,521.63	\$201,124.57	\$602.94	0.3%
71.0%	200	103,660	\$16,402.88	\$16,445.82	\$42.94	0.3%
71.0%	400	207,320	\$32,711.54	\$32,794.48	\$82.94	0.3%
71.0%	600	310,980	\$49,020.21	\$49,143.15	\$122.94	0.3%
71.0%	800	414,640	\$65,328.87	\$65,491.81	\$162.94	0.2%
71.0%	1,000	518,300	\$81,637.53	\$81,840.47	\$202.94	0.2%
71.0%	1,500	777,450	\$122,409.19	\$122,712.13	\$302.94	0.2%
71.0%	2,000	1,036,600	\$163,180.84	\$163,583.78	\$402.94	0.2%
71.0%	2,500	1,295,750	\$203,952.50	\$204,455.44	\$502.94	0.2%
71.0%	3,000	1,554,900	\$244,724.15	\$245,327.09	\$602.94	0.2%

	Rates - Effective 12/1/2013	Rates - Proposed 5/1/2014	Difference
Customer Charge - Secondary	\$94.22	\$97.16	\$2.94
	<u>All kVA</u>	<u>All kVA</u>	<u>All kVA</u>
Distribution Charge	\$6.75	\$6.95	\$0.20
Stranded Cost Charge	<u>\$0.07</u>	<u>\$0.07</u>	<u>\$0.00</u>
TOTAL	\$6.82	\$7.02	\$0.20
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.00000	\$0.00000	\$0.00000
External Delivery Charge	\$0.02006	\$0.02006	\$0.00000
Stranded Cost Charge	\$0.00007	\$0.00007	\$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>\$0.11853</u>	<u>\$0.11853</u>	<u>\$0.00000</u>
TOTAL	\$0.14417	\$0.14417	\$0.00000

* Default Service Charges shown are based on the average of the DSC for December 2013 - February 2014.

Unitil Energy Systems, Inc.								
Typical Bill Impacts as a Result of Proposed Rates for May 1, 2014 Step Adjustment								
Impacts do NOT include the Electricity Consumption Tax								
Impact on OL Rate Customers*								
	Nominal Watts	Lumens	Type	Average Monthly kWh	Total Bill Using Rates Effective 12/1/2013	Total Bill Using Rates Proposed 5/1/2014	Total Difference	% Total Difference
<u>Mercury Vapor:</u>								
1	100	3,500	ST	40	\$15.58	\$15.92	\$0.34	2.2%
2	175	7,000	ST	67	\$21.01	\$21.42	\$0.41	2.0%
3	250	11,000	ST	95	\$26.22	\$26.69	\$0.47	1.8%
4	400	20,000	ST	154	\$36.23	\$36.80	\$0.57	1.6%
5	1,000	60,000	ST	388	\$82.89	\$84.07	\$1.18	1.4%
6	250	11,000	FL	95	\$27.30	\$27.81	\$0.51	1.9%
7	400	20,000	FL	154	\$37.63	\$38.24	\$0.61	1.6%
8	1,000	60,000	FL	388	\$78.70	\$79.75	\$1.05	1.3%
9	100	3,500	PB	40	\$15.70	\$16.04	\$0.34	2.2%
10	175	7,000	PB	67	\$20.19	\$20.58	\$0.39	1.9%
<u>High Pressure Sodium:</u>								
11	50	4,000	ST	21	\$13.60	\$13.95	\$0.35	2.6%
12	100	9,500	ST	43	\$17.73	\$18.13	\$0.40	2.3%
13	150	16,000	ST	60	\$19.76	\$20.16	\$0.40	2.0%
14	250	30,000	ST	101	\$28.12	\$28.63	\$0.51	1.8%
15	400	50,000	ST	161	\$39.72	\$40.38	\$0.66	1.7%
16	1,000	140,000	ST	398	\$83.56	\$84.72	\$1.16	1.4%
17	150	16,000	FL	60	\$21.93	\$22.40	\$0.47	2.1%
18	250	30,000	FL	101	\$29.64	\$30.19	\$0.55	1.9%
19	400	50,000	FL	161	\$39.22	\$39.86	\$0.64	1.6%
20	1,000	140,000	FL	398	\$83.89	\$85.07	\$1.18	1.4%
21	50	4,000	PB	21	\$12.66	\$12.98	\$0.32	2.5%
22	100	9,500	PB	43	\$16.64	\$17.00	\$0.36	2.2%
<u>Metal Halide:</u>								
23	175	8,800	ST	66	\$24.78	\$25.31	\$0.53	2.1%
24	250	13,500	ST	92	\$29.41	\$29.99	\$0.58	2.0%
25	400	23,500	ST	148	\$36.65	\$37.26	\$0.61	1.7%
26	175	8,800	FL	66	\$27.65	\$28.28	\$0.63	2.3%
27	250	13,500	FL	92	\$32.37	\$33.05	\$0.68	2.1%
28	400	23,500	FL	148	\$38.92	\$39.59	\$0.67	1.7%
29	175	8,800	PB	66	\$23.59	\$24.08	\$0.49	2.1%
30	250	13,500	PB	92	\$27.69	\$28.22	\$0.53	1.9%
31	400	23,500	PB	148	\$35.46	\$36.03	\$0.57	1.6%
Luminaire Charges For Year Round Service:								
Rates - Effective 12/1/2013								
		<u>Mercury Vapor Rate/Mo.</u>		<u>Sodium Vapor Rate/Mo.</u>		<u>Metal Halide Rate/Mo.</u>		
Customer Charge	\$0.00	1	\$10.94	11	\$11.16	23	\$17.12	
		2	\$13.24	12	\$12.74	24	\$18.74	
	<u>All kWh</u>	3	\$15.20	13	\$12.80	25	\$19.48	
Distribution Charge	\$0.00000	4	\$18.37	14	\$16.40	26	\$19.99	
External Delivery Charge	\$0.02006	5	\$37.88	15	\$21.04	27	\$21.70	
Stranded Cost Charge	\$0.00027	6	\$16.28	16	\$37.39	28	\$21.75	
Storm Recovery Adj. Factor	\$0.00221	7	\$19.77	17	\$14.97	29	\$15.93	
System Benefits Charge	\$0.00330	8	\$33.69	18	\$17.92	30	\$17.02	
Default Service Charge	<u>\$0.09016</u>	9	\$11.06	19	\$20.54	31	\$18.29	
TOTAL	\$0.11600	10	\$12.42	20	\$37.72			
		21	\$10.22	22	\$11.65			
Rates - Proposed 5/1/2014								
		<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	\$0.02006	5	\$39.06	15	\$21.70	27	\$22.38	
Stranded Cost Charge	\$0.00027	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>\$0.09016</u>	9	\$11.40	19	\$21.18	31	\$18.86	
TOTAL	\$0.11600	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	\$0.34	11	\$0.35	23	\$0.53	
		2	\$0.41	12	\$0.40	24	\$0.58	
	<u>All kWh</u>	3	\$0.47	13	\$0.40	25	\$0.61	
Distribution Charge	\$0.00000	4	\$0.57	14	\$0.51	26	\$0.63	
External Delivery Charge	\$0.00000	5	\$1.18	15	\$0.66	27	\$0.68	
Stranded Cost Charge	\$0.00000	6	\$0.51	16	\$1.16	28	\$0.67	
Storm Recovery Adj. Factor	\$0.00000	7	\$0.61	17	\$0.47	29	\$0.49	
System Benefits Charge	\$0.00000	8	\$1.05	18	\$0.55	30	\$0.53	
Default Service Charge	<u>\$0.00000</u>	9	\$0.34	19	\$0.64	31	\$0.57	
TOTAL	\$0.00000	10	\$0.39	20	\$1.18			
		21	\$0.32	22	\$0.36			

* Luminaire charges based on All-Night Service option.