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

CALCULATION OF THE DEFAULT SERVICE CHARGE

(I)

1	Non-G1 Class Default Service: Reconciliation (1)	Nov 07 (\$426,778)	Dec 07 (\$492,144)	Jan 98 (\$515,062)	Feb 08 (\$451,784)	Mar-08 (\$472,491)	<u>Apr-08</u> (\$396,989)	Total (\$2,755,248)
2	Total-Costs	\$5,990,111	\$7.324.652	<u>\$8,984,293</u>	<u>\$7,925,571</u>	<u>\$7,318,250</u>	<u>\$5.583,504</u>	<u>\$43.126.381</u>
3	Reconciliation plus Total Costs (L.1+L.2)	\$5,563,333	\$6,832,508	\$8,469,231	\$7,473,786	\$6,845,760	\$ 5,186,515	\$40,371,133
4	kWh-Purchases	<u>69.789.197</u>	80.478.309	84,225,932	73.878.445	77.264.468	64.917.974	<u>450.554.324</u>
5	Total, Before Losses (L.3 / L.4)	\$0.07972	\$0.08490	\$0.10055	\$0.10116	\$0.08860	\$0.07989	\$0.089 6 0
6	Losses	<u>6.40%</u>	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
7	Total Retail Rate Variable Default Service Charge (L.5 * (1+L.6)) Total Retail Rate Fixed Default Service Charge	\$0.08482	\$0.09033	\$0.10699	\$0.10764	\$0.094 27	\$0.08501	
8	(L.5 * (1+L.6))							\$0.09534

(1) Balance as of July 31, 2007 allocated to each month, November 2007 through April 2008, on equal per kWh basis.

1	Non-G1 Class Default Service: Reconciliation	<u>Mav-08</u> (\$17,077)	<u>Jun-08</u> (\$18,433)	<u>Jul-08</u> (\$22,400)	<u>Aug-08</u> (\$22,018)	<u>Sep-08</u> (\$19,113)	Oct-08 (\$18,394)	<u>Total</u> (\$117,435)
2	Total Costs	\$5.915.660	\$ 6,764.831	<u>\$8,841,417</u>	<u>\$8.845.154</u>	<u>\$6,904,662</u>	<u>\$6,748,533</u>	<u>\$44,020,258</u>
3	Reconciliation plus Total Costs (L.1 + L.2)	\$5,898,583	\$6,746,398	\$8,819,016	\$8,823,136	\$6,885,549	\$6,730,140	\$43,902,822
4	kWh Purchases	66,009,798	71,249,985	<u>86,583,926</u>	85,106,581	73,879,860	71,098,923	453,929,073
5	Total, Before Losses (L.3 / L.4)	\$0.08936	\$0.09469	\$0.10186	\$0.10367	\$0.09320	\$0.09466	\$0.09672
6	Losses	<u>6.40%</u>	<u>6.40%</u>	6.40%	6.40%	6.40%	<u>6.40%</u>	6.40%
7	Total Retail Rate - Fixed Default Service Charge	\$0.09508	\$0.10075	\$0.10837	\$0.11031	\$0.09916	\$0.10072	\$0.10291

Authorized by NHPUC Order No. 24,791 in Case No. DE 08-01507-013, dated September 21, 2007

Issued: March 14, 200 September 14, 2007 Effective: May 1, 200 November 1, 2007 Issued By: Mark H. Collin Treasurer NHPUC No. 3 - Electricity Delivery Unitil Energy Systems, Inc.

SixthFifth Revised Page 75
Superseding FifthFourth Page 75

CALCULATION OF THE DEFAULT SERVICE CHARGE

(I)

C1 Class Default Services 1 Reconciliation (1)	Feb 08 \$137,547	Mar-08 \$128,890	Apr-08 \$134,392	Total \$400,829
2 Total Costs	\$860,515	\$722,993	\$723,983	\$2,307,491
3 Reconciliation plus Total Costs (L.1 + L.2)	\$998,062	\$851,883	\$858,374	\$2,708,320
4 kWh Purchases	<u>8.911.213</u>	<u>8,350,360</u>	<u>8,706,768</u>	25,968,341
5 Total, Before Losses (L.3 / L.4)	\$0.11200	\$0.10202	\$0.09859	
6 Losses	<u>4.591%</u>	<u>4.591%</u>	<u>4.591%</u>	
Total Retail Rate Variable Default Service 7 Charge (L.5 * (1+L.6))	\$0.11714	\$0.10670	\$0.10311	

(1) Balance as of July 31, 2007 recovered over the period November 2007 through April 2008.

G1 Class Default Service: 1 Reconciliation	May-08 \$33,509	<u>Jun-08</u> \$36,358	Jul-08 \$39,236	<u>Total</u> \$109,104
2 Total Costs	<u>\$775,316</u>	<u>\$866,697</u>	<u>\$1,047,727</u>	<u>\$2,689,741</u>
3 Reconciliation plus Total Costs (L.1 + L.2)	\$808,826	\$903,056	\$1,086,964	\$2,798,845
4 kWh Purchases	<u>7,387,377</u>	8,015,502	8,650,030	24,052,909
5 Total, Before Losses (L.3 / L.4)	\$0.10949	\$0.11266	\$0.12566	
6 Losses	4.591%	4.591%	4.591%	
Total Retail Rate - Variable Default Service 7 Charge (L.5 * (1+L.6))	\$0.11451	\$0.11784	\$0.13143	

Authorized by NHPUC Order No. 24,809 in Case No. DE 08-015 07-013, dated December 17, 2007

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

~	Non-G1 Class Default Service: Reconciliation (1)	May-08 Estimated (\$17,077)	Jun-08 Estimated (\$18,433)	Jul-08 Estimated (\$22,400)	Aug-08 Estimated (\$22,018)	Sep-08 Estimated (\$19,113)	Oct-08 <u>Estimated</u> (\$18,394)	<u>Total</u> (\$117,435)
8	Total Costs (Page 5)	\$5,915,660	\$6,764,831	\$8,841,417	\$8,845,154	\$6,904,662	\$6,748,533	\$44,020,258
က	Reconciliation plus Total Costs (L.1 + L.2)	\$5,898,583	\$6,746,398	\$8,819,016	\$8,823,136	\$6,885,549	\$6,730,140	\$43,902,822
4	kWh Purchases	862'600'99	71,249,985	86,583,926	85,106,581	73,879,860	71,098,923	453,929,073
5	Total, Before Losses (L.3 / L.4)	\$0.08936	\$0.09469	\$0.10186	\$0.10367	\$0.09320	\$0.09466	\$0.09672
9	6 Losses	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%	6.40%
7	Total Retail Rate - Variable Default Service Charge (L.5 * (1+L.6)) Total Retail Rate - Fixed Default Service Charge (L.5 * (1+L.6))	\$0.09508	\$0.10075	\$0.10837	\$0.11031	\$0.09916	\$0.10072	\$0.10291

⁰⁷ and ber

ow, to reflect that current rates (through April 30, 2008) include a credit for the overcollection as of July 31, 2007 rate periods (May-October 2008 and November 2008-April 2009) and then to each month, May through October age 2				49.56% 50.44%	
igh April 30, 2008) include I November 2008-April 200 (\$1,671,560)	205,712,171 (\$0.00651) (\$1,339,186)	\$95,418	(\$236,956)	453,929,073 <u>461,965,612</u> 915,894,685	(\$117,435) (\$119,521) (\$236,956)
 Balance as of January 31, 2008 modified, as detailed below, to reflect that current rates (through April 30, 2008) include a credit for the overcollection as of July 31, 2007 to reflect accruals for RPS. Figure is then allocated between rate periods (May-October 2008 and November 2008-April 2009) and then to each month, May through October 2008, on equal per KWh basis. January 31, 2008 actual balance - Schedule KMA-2, Page 2 	less: Estimated remaining credit for July 31, 2007 reconciliation - Feb, Mar, Apr 2008 Estimated kWh Sales February-April 2008 Amount of reconciliation in current rate Estimated amount of reconciliation to be credited Feb-Apr 2008	plus: January 2008 Non-G1 Class RPS accrual	Total reconciliation for May 1, 2008-April 30, 2009	 kWh purchases forecast May-October 2008 kWh purchases forecast November 2008-April 2009 Total 	Reconciliation amount for May-October 2008 Reconciliation amount for November 2008-April 2009 Total

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

	(a)	(q)	(0)	(b)	(e)	€	(g) Nimber of	(h)	(2)
	ورموادها ومايمانيمها	Total Costs	Total Revenue	Before Interest	Average Monthly Balance ((a+d) / 2)	Interest Rate	Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Aug-07 (recast)	(\$2.755.248)	\$8 205 028	\$7 335 401	(\$1,885,620)	(\$2,320,434)	8.25%	31	(\$16,259)	(\$1,901,879)
Sen-07 (recast)	(\$1.901.879)	\$5,888,870	\$6.683,769	(\$2,696,778)	(\$2,299,329)	8.25%	30	(\$15,591)	(\$2,712,369)
Oct-07 (recast)	(\$2,123,0)	\$5,950,979	\$4 982,692	(\$1,743,591)	(\$2,227,980)	8.25%	31	(\$15,611)	(\$1,759,202)
Nov-07 (recast)	(\$1 759 202)	\$5,932,120	\$6,519,987	(\$2,347,068)	(\$2,053,135)	8.25%	30	(\$13,922)	(\$2,360,990)
Dec-07 (recast)	(\$2,360,990)	\$7,377,534	\$7,838,581	(\$2,822,037)	(\$2,591,513)	8.25%	31	(\$18,158)	(\$2,840,195)
Jan-08 (recast)	(\$2,840,195)	\$8,290,307	\$7,107,387	(\$1,657,275)	(\$2,248,735)	7.50%	31	(\$14,285)	(\$1,671,560)



Unitil Energy Systems, Inc. Itemized Costs for Non-G1 Class Default Service Charge Schedule KMA-2 Page 3 of 5

		Non-G1	Class Calcula	ition of Workir	ng Capital						
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
			Working				Internal		Consulting		
		Number of	Capital		Supply Related	Provision for	Company		Outside		Total Costs
	Total Non-G1 Class	,	Requirement		Working Capital	Uncollected	Administrative		Service	Renewable	(sum a + e + f +
	DS Supplier Charges	365 (7.16/365)	(a * b)	Prime Rate	(c * d)	Accounts	Costs	Legal Charges	Charges	Energy Credits	g + h + l + j)
Aug-07	\$8,160,123	1.96%	\$160,073	8.25%	\$13,206	\$29,609	\$2,091	\$0	\$0	\$0	\$8,205
Sep-07	\$5,805,389	1.96%	\$113,881	8.25%	\$9,395	\$71,994	\$2,091	\$0	\$0	\$0	\$5,888,c. J
Oct-07	\$5,872,811	1.96%	\$115,204	8.25%	\$9,504	\$67,064	\$2,091	\$0	\$0	\$0	\$5,951,471
Nov-07	\$5,871,973	1.96%	\$115,187	8.25%	\$9,503	\$48,349	\$2,296	\$0	\$0	\$0	\$5,932,120
Dec-07	\$7,324,154	1.96%	\$143,674	8.25%	\$11,853	\$28,539	\$2,296	\$10,693	\$0	\$0	\$7,377,534
Jan-08	<u>\$8,253,597</u>	1.96%	\$161,906	7.50%	\$12,143	\$20,489	\$2,296	\$1,782	<u>\$0</u>	<u>\$0</u>	\$8,290,307
Total	\$41,288,047				\$65,604	\$266,044	\$13,159	\$12,475	\$0	\$0	\$41,645,330

Unitil Energy Systems, Inc. Non-G1 Class Default Service Revenue

(L)	Total Revenue (e + f + g)	\$7,335,401	\$6,683,769	\$4,982,692	\$6,519,987	\$7,838,581	\$7,107,387	\$40,467,816
(g) Total Billed Non- G1 Class Default	Service Revenue (1)	\$7,354,513	\$7,101,480	\$5,631,076	\$6,161,270	\$6,691,732	\$7,226,807	\$40,166,878
(f) Reversal of	prior month unbilled	(\$3,891,351)	(\$3,872,238)	(\$3,454,527)	(\$2,806,143)	(\$3,164,860)	(\$4,311,709)	(\$21,500,829)
(e) Non-G1 Class Unbilled Default	Service Revenue (c * d)	\$3,872,238	\$3,454,527	\$2,806,143	\$3,164,860	\$4,311,709	\$4,192,289	\$21,801,768
(p)	Effective Fixed DSC	\$0.09431	\$0.09431	\$0.09431	\$0.09534	\$0.09534	\$0.09534	
(c) Non-G1 Class	Unbilled kWh (a * b)	41,058,619	36,629,491	29,754,462	33,195,513	45,224,555	43,971,989	229,834,628
(q)	Default Service Unbilled Factor kWh (1) (2)	52.68%	48.65%	49.81%	51.06%	64.41%	58.03%	
(a) Total Non-G1 Clace Billad	Default Service kWh (1)	77,944.838	75,296,704	59,737,713	65,017,710	70,216,387	75,779,195	423,992,546
		Aug-07 (recast)	Sep-07 (recast)	Oct-07 (recast)	Nov-07 (recast)	Dec-07 (recast)	Jan-08 (recast)	Total

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

Unbilled kWh / Billed kWh	52.68%	48.65%	49.81%	51.06%	64.41%	58.03%
Direct Estimate of Unbilled kWh	42,749,541	38,184,754	31,255,715	34,879,461	47,291,255	45,908,835
Billed KWh	81,154,850	78,493,751	62,751,763	68,315,941	73,425,179	79,117,061
	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08



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

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		Non-G	1 Class Calcula	tion of Worki	ng Capital						
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
		Number of	Working				Internal		Consulting		
	Total Non-G1 Class	Days of Lag /	Capital		Supply Related	Provision for	Company		Outside		Total Costs
	DS Supplier Charges	365	Requirement		Working Capital	Uncollected	Administrative		Service	Renewable Energy	(sum a + e + f +
	(1)	(7.16/365)	(a * b)	Prime Rate	(c * d)	Accounts	Costs	Legal Charges	Charges	Credits (2)	g + h + l + j)
							-				
May-08	\$5,799,708	1.96%	\$113,770	6.00%	\$6,826	\$32,670	\$2,296	\$230	\$0	\$73,931	\$5,915,660
Jun-08	\$6,639,281	1.96%	\$130,239	6.00%	\$7,814	\$35,640	\$2,296	\$0	\$0	\$79,800	\$6,764,831
Jul-08	\$8,696,272	1.96%	\$170,590	6.00%	\$10,235	\$35,640	\$2,296	\$0	\$0	\$96,974	\$8,841,/
Aug-08	\$8,701,658	1.96%	\$170,696	6.00%	\$10,242	\$35,640	\$2,296	\$0	\$0	\$95,319	\$8,8 45, 1。.
Sep-08	\$6,790,839	1.96%	\$133,212	6.00%	\$7,993	\$20,790	\$2,296	\$ 0	\$0	\$82,745	\$6,904,662
Oct-08	<u>\$6,643,937</u>	1.96%	\$130,330	6.00%	<u>\$7,820</u>	\$14,850	\$2,296	<u>\$0</u>	<u>\$0</u>	\$79,631	<u>\$6,748,533</u>
Total	\$43,271,694				\$50,930	\$175,230	\$13,773	\$230	\$0	\$508,400	\$44,020,258

⁽¹⁾ Estimates based on monthly average wholesale rate times estimated monthly purchases.(2) Estimate based on 4% of purchases at \$0.028 per kWh.

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

-	G1 Class Default Service: Reconciliation (1)	May-08 Estimated \$33,509	Jun-08 Estimated \$36,358	Jul-08 Estimated \$39,236	<u>Total</u> \$109,104
7	2 Total Costs (Page 5)	\$775,316	2866,697	\$1,047,727	\$2,689,741
33	3 Reconciliation plus Total Costs (L.1 + L.2)	\$808,826	\$903,056	\$1,086,964	\$2,798,845
4	4 kWh Purchases	7,387,377	8,015,502	8,650,030	24,052,909
2	5 Total, Before Losses (L.3 / L.4)	\$0.10949	\$0.11266	\$0.12566	
9	6 Losses	4.591%	4.591%	4.591%	
7	7 Total Retail Rate - Variable Default Service Charge (L.5 * (1+L.6))	\$0.11451	\$0.11784	\$0.13143	

(1) Balance as of January 31, 2008 modified, as detailed below, to reflect that current rates (through April 30, 2008) include a charge for the undercollection as of July 31, 2007 and to reflect accruals for RPS. Figure is then allocated between rate periods (May-July 2008, August-October 2008, November 2008-January 2009, and February-April 2009) and then to each month, May through July 2008, on equal per kWh basis.

narge for the undercollection as of July 31, 2007 and to fellect accidats for Kr.S. Figure is treit allocated between rate periods. May-July 2008, August-October 2008, November 2008-January 2009, and February-April 2009) and then to each month, May	and then to each month	h, May
nrough July 2008, on equal per kWh basis. January 31, 2008 actual balance - Schedule KMA-3, Page 2	\$762,813	
less: Estimated remaining charge for July 31, 2007 reconciliation - Feb, Mar, Apr 2008 Estimated kWh Sales February-April 2008 Amount of reconciliation in current rate Estimated amount of reconciliation to be collected Feb-Apr 2008	21,223,934 \$0.01614 \$342,554	
plus: January 2008 G1 Class RPS accrual	\$9,702	
Total reconciliation for May 1, 2008-April 30, 2009	\$429,961	
kWh purchases forecast May-July 2008 kWh purchases forecast August-October 2008 kWh purchases forecast November 2008-January 2009 kWh purchases forecast February-April 2009	24,052,909 25,488,805 22,521,007 <u>22,726,076</u> 94,788,797	25.38% 26.89% 23.76% 23.98%
Reconciliation amount for May-July 2008 Reconciliation amount for August-October 2008 Reconciliation amount for November 2008-January 2009 Reconciliation amount for February-April 2009	\$109,104 \$115,617 \$102,155 \$103,085 \$429,961	

Unitil Energy Systems, Inc. Reconciliation of G1 Class Default Service Charge Costs and Revenues

0	Ending	Balance with	Interest (d + h)	\$663,532	\$771,150	\$941,548	\$846,892	\$870,755	\$762,813
(£)		Computed	Interest	\$5,294	\$4,848	\$5,979	\$6,043	\$38,689 (1)	\$5,172
(B)	Number of	Days /	Month	31	30	31	30	31	31
()	:	Interest	Rate	8.25%	8.25%	8.25%	8.25%	8.25%	7.50%
(e)	Average Monthly	Balance	((a+d) / 2)	\$755,478	\$714,917	\$853,359	\$891,198	\$839,479	\$814,198
(d) Ending	Balance Before	Interest	(a + b - c)	\$658,239	\$766,302	\$935,568	\$840,849	\$832,066	\$757,641
(0)		Total Revenue	(Page 4)	\$1,167,376	\$659,270	\$622,517	\$766,758	\$816,812	\$851,950
(a)		Total Costs (Page T	(၉	\$972,898	•	\$786,935	\$666,059	07	•,
(a)		Beginning	Balance	\$852,717	\$663,532	\$771,150	\$941,548	\$846,892	\$870,755
				Aug-07 (recast)	Sep-07 (recast)	Oct-07 (recast)	Nov-07 (recast)	Dec-07 (recast)	Jan-08 (actual)

(1) Includes \$32,806.40 of interest related to supplier charge correction from December 2005.

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

REDACTED

	<u>(</u>	otal Costs	ım a + e + f	+ g + h + i + j)	2072 AQA	2,030	\$762,040	1786,935	3666,059	\$801,987	\$738,836	4,728,755
	9		Energy (sr	٦	Ş	3	S S	99 98			<u>영</u>	••
	(i) Consulting	Outside	Service	Charges	Ş	3	Q	%	S S	0\$	얾	0 \$
	Ē			Legal Charges	C#	2	⊗	\$0	%	\$1,207	\$169	\$1,376
	(g) Internal	Company	Administrative	Costs	£3 1£1	- 0	\$3,151	\$3,151	\$3,459	\$3,459	\$3,459	\$19,829
	€	Provision for	Uncollected	Accounts	67 D70	0.01	\$8,541	\$8,204	\$5,720	\$2,764	REDACTED	REDACTED
oital	(e)	Supply Related	Working	Capital (c * d)	¢2 £27	170,74	\$1,964	\$2,030	\$1,719	\$1,580	REDACTED	REDACTED
if Working Caj	(p)			Prime Rate	0 250/	0.5370	8.25%	8.25%	8.25%	8.25%	7.50%	
G1 Class Calculation of Workin	(c) Working	Capital	Requirement	(a * b)	969 064	920,020	\$23,805	\$24,605	\$20,840	\$19,154	REDACTED	
G1 Cla	(q)	Number of Days	of Lag / 365	(11.61/365)	2 409/	5.10%	3.18%	3.18%	3.18%	3.18%	3.18%	
	(a)	Total G1 Class	DS Supplier	Charges	£063 140	4000, 14C	\$748,384	\$773,550	\$655,161	\$792,977 (1)	REDACTED	REDACTED
					A.:.6	Ang-o-	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Total

(1) Includes \$190,802.36 for a supplier charge in December 2005 incorrectly charged to G1 Transition Service.

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Unitil Energy Systems, Inc. G1 Class Default Service Revenue

(L)	Total Revenue (e + f + g)	\$1,167,376	\$659,270	\$622,517	\$766,758	\$816,812	\$851,950	\$4,884,683
(g) Total Billed G1	Class Default Service Revenue (1)	\$1,014,450	\$858,361	\$685,713	\$757,338	\$711,008	\$833,017	\$4,859,887
€	Reversal of prior month unbilled	(\$466,205)	(\$619,131)	(\$420,041)	(\$356,844)	(\$366,264)	(\$472,068)	(\$2,700,554)
(e)	G1 Class Unbilled Default Service Revenue (c * d)	\$619,131	\$420,041	\$356,844	\$366,264	\$472,068	\$491,001	\$2,725,350
(p)	Effective DSC	\$0.10250	\$0.09101	\$0.09609	\$0.10091	\$0.10803	\$0.12428	
(၁)	G1 Class Unbilled kWh (a * b)	6,040,305	4,615,330	3,713,647	3,629,611	4,369,789	3,950,762	26,319,445
(q)	Unbilled Factor (3)	56.25%	51.67%	50.82%	47.18%	64.29%	54.95%	
(a)	Total G1 Class Billed Default Service KWh (1)	10,738,321	8,932,897	7,307,498	7,692,356	6,797,450	7,189,955	48,658,478
		Aug-07 (recast)	Sep-07 (recast)	Oct-07 (recast)	Nov-07 (recast)	Dec-07 (recast)	Jan-08 (actual)	Total

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

	Unbilled kWh /	Billed KWh	56.25%	51.67%	50.82%	47.18%	64.29%	54.95%
Direct	Estimate of	Unbilled kWh	19,369,566	18,051,920	15,781,892	15,150,046	19,633,697	16,948,273
	Billed	kWh	34,434,785	34,939,201	31,054,690	32,107,996	30,541,307	30,844,008
			Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08

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

Δ	
CTE	
REDACTE	
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	æ	Total Costs sum a + e + f	-g + h + i + j)		\$775,316	\$866,697	\$1,047,727	\$2,689,741
	9	Renewable Energy (į	\$8,274	\$8,977	\$9.688	\$26,939
	(i) Consulting	Outside Service	Charges	;	O#	6	잃	0 \$
	Ð.		Legal Charges	;	S	S S	잃	0\$
	(g) Internal	Company	Costs		\$3,459	\$3,459	\$3,459	\$10,376
	€	Provision for	Accounts		REDACTED	REDACTED	REDACTED	REDACTED
pital	(e)	Supply Related	Capital (c * d)		REDACTED	REDACTED	REDACTED	REDACTED
of Working Ca	(p)		Prime Rate		%00 ^{.9}	0.00%	%00.9	
G1 Class Calculation of Working	(c) Working	ã	(a * b)		REDACTED	REDACTED	REDACTED	
G1 Cla	(q)	Number of Days	(11.61/365)		3.18%	3.18%	3.18%	
	(a)	Total G1 Class	Charges (1)		REDACTED	REDACTED	REDACTED	REDACTED
					Mav-08	Jun-08	30-Inf	Total

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

Due to Proposed Rate Changes* Average Class Bill Impacts Unitil Energy Systems, Inc.

(¥)	(B)	(C) Annual	(D) Annual	(E) Proposed	(F) Estimated Annual	(G) Estimated Annual	(H) Proposed	(I) % Change
Class of Service	Number of Customers	KWh Sales	KW / KVA Sales	DSC Change \$	Revenue \$ Under Present Rates	Revenue \$ Under Proposed Rates	Net Change Revenue \$	DSC Revenue
Residential	739,882	486,378,217	n/a	\$3,681,883	\$72,019,173	\$75,701,056	\$3,681,883	5.1%
General Service	125,058	354,008,286	1,298,686	\$2,679,843	\$50,974,929	\$53,654,772	\$2,679,843	5.3%
Large General Service	1,822	364,679,187	996,528	\$4,478,260	\$51,754,202	\$56,232,463	\$4,478,260	8.7%
Outdoor Lighting	117,884	9,206,974	n/a	\$69,697	\$2,285,931	\$2,355,628	\$69,697	3.0%
Total	984,646	1,214,272,664		\$10,909,683	\$177,034,235	\$187,943,919	\$10,909,683	6.2%

(B), (C), (D) Test year billing determinants in DE 05-178

(E) Difference in proposed DSC and current DSC, 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) / Column (F)

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

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2008 versus May 1, 2008 Impacts do NOT include the Electricity Consumption Tax Impact on D Rate Customers

Average <u>kWh</u>	Total Bill Using Rates <u>2/1/2008</u>	Total Bill Using Rates <u>5/1/2008</u>	Total <u>Difference</u>	% Total <u>Difference</u>
125	\$24.91	\$25.85	\$0.95	3.8%
150	\$28.21	\$29.34	\$1.14	4.0%
500	\$75.68	\$79.46	\$3.79	5.0%
750	\$109.94	\$115.62	\$5.68	5.2%
1,000	\$144.20	\$151.77	\$7.57	5.2%
1,250	\$178.46	\$187.93	\$9.46	5.3%
1,500	\$212.73	\$224.08	\$11.36	5.3%
2,000	\$281.25	\$296.39	\$15.14	5.4%
3,500	\$486.83	\$513.32	\$26.49	5.4%
5,000	\$692.40	\$730.25	\$37.85	5.5%

	Rates - Effective February 1, 2008	Rates - Proposed May 1, 2008*	Difference
Customer Charge	\$8.40	\$8.40	\$0.00
	kWh	<u>kWh</u>	<u>kWh</u>
Distributi First 250 kWh	\$0. 018 10	\$0.01810	\$0.00000
Excess 250 kWh	\$0.02310	\$0.02310	\$0.00000
External Delivery Charge	\$0.00697	\$0.00697	\$0.00000
Stranded Cost Charge	\$0.00864	\$0.00864	\$0.00000
System Benefits Charge	\$0.00300	\$0.00300	\$0.00000
Default Service Charge	\$0.09534	\$0.10291	\$0.00757
TOTAL First 250 kWh	\$0.13205	\$0.13962	\$0.00757
Excess 250 kWh	\$0.13705	\$0.14462	\$0.00757

^{*} Comparison isolates the impact of changes to the Default Service Rates only.

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2008 versus May 1, 2008 Impacts do NOT include the Electricity Consumption Tax Impact on D-OPWH Rate Customers

Average <u>kWh</u>	Total Bill Using Rates <u>2/1/2008</u>	Total Bill Using Rates <u>5/1/2008</u>	Total <u>Difference</u>	% Total <u>Difference</u>
400	\$51.41	\$54.44	\$3.03	5.9%
600	\$75.25	\$79.79	\$4.54	6.0%
800	\$99.08	\$105.13	\$6.06	6.1%
1,200	\$146.74	\$155.83	\$9.08	6.2%
1,600	\$194.41	\$206.52	\$12.11	6.2%
2,000	\$242.07	\$257.21	\$15.14	6.3%
3,200	\$385.06	\$409.29	\$24.22	6.3%
4.000	\$480.39	\$510.67	\$30.28	6.3%

	Rates - Effective February 1, 2008	Rates - Proposed May 1, 2008*	Difference
Customer Charge	\$3.75	\$3.75	\$0.00
	Off Peak kWh	Off Peak kWh	Off Peak kWh
Distribution Charge	\$0.00521	\$0.00521	\$0.00000
External Delivery Charge	\$0.00697	\$0.00697	\$0.00000
Stranded Cost Charge	\$0.00864	\$0.00864	\$0.00000
System Benefits Charge	\$0.00300	\$0.00300	\$0.00000
Default Service Charge	\$ 0.09534	<u>\$0.10291</u>	\$ 0.00757
TOTAL	\$0.11916	\$0.12673	\$0.00757

^{*} Comparison isolates the impact of changes to the Default Service Rates only.

Unitil Energy Systems, Inc.
Typical Bill Impacts - February 1, 2008 versus May 1, 2008
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>2/1/2008</u>	Total Bill Using Rates <u>5/1/2008</u>	Total <u>Difference</u>	% Total <u>Difference</u>
20%	5	730	\$132.87	\$138.40	\$5.53	4.2%
20%	10	1,460	\$254.74	\$265.80	\$11.05	4.3%
20%	15	2,190	\$376.61	\$393.19	\$16.58	4.4%
20%	25	3,650	\$620.36	\$647.99	\$27.63	4.5%
20%	50	7,300	\$1,229.71	\$1,284.98	\$55.26	4.5%
20%	75	10,950	\$1,839.07	\$1,921.96	\$82.89	4.5%
20%	100	14,600	\$2,448.43	\$2,558.95	\$110.52	4.5%
20%	150	21,900	\$3,667.14	\$3,832.93	\$165.78	4.5%
36%	5	1,314	\$196.05	\$206.00	\$9.95	5.1%
36%	10	2,628	\$381.10	\$400.99	\$19.89	5.2%
36%	15	3,942	\$566.15	\$595.99	\$29.84	5.3%
36%	25	6,570	\$936.24	\$985.98	\$49.73	5.3%
36%	50	13,140	\$1,861.49	\$1,960.96	\$99.47	5.3%
36%	75	19,710	\$2,786.73	\$2,935.93	\$149.20	5.4%
36%	100	26,280	\$3,711.97	\$3,910.91	\$198.94	5.4%
36%	150	39,420	\$5,562.46	\$5,860.87	\$298.41	5.4%
50%	5	1,825	\$251.33	\$265.14	\$13.82	5.5%
50%	10	3,650	\$491.66	\$519.29	\$27.63	5.6%
50%	15	5,475	\$731.99	\$773.43	\$41.45	5.7%
50%	25	9,125	\$1,212.64	\$1,281.72	\$69.08	5.7%
50%	50	18,250	\$2,414.29	\$2,552.44	\$138.15	5.7%
50%	75	27,375	\$3,615.93	\$3,823.16	\$207.23	5.7%
50%	100	36,500	\$4 ,817.57	\$5,093.88	\$276.31	5.7%
50%	150	54,750	\$7,220.86	\$7,635.31	\$414.46	5.7%

	Rates - Effective February 1, 2008	Rates - Proposed May 1, 2008*	Difference
Customer Charge	\$11.00	\$11.00	\$0.00
	<u>All kW</u>	<u>All kW</u>	<u>All kW</u>
Distribution Charge	\$7.03	\$7.03	\$0.00
Stranded Cost Charge	<u>\$1.55</u>	<u>\$1.55</u>	<u>\$0.00</u>
TOTAL	\$8.58	\$8.58	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge	\$0.00000	\$0.00000	\$0.00000
External Delivery Charge	\$0.00697	\$0.00697	\$0.00000
Stranded Cost Charge	\$0.00287	\$0.00287	\$0.00000
System Benefits Charge	\$0.00300	\$0.00300	\$0.00000
Default Service Charge	\$0.0953 <u>4</u>	\$0.10291	<u>\$0.00757</u>
TOTAL	\$0.10818	\$0.11575	\$0.00757

^{*} Comparison isolates the impact of changes to the Default Service Rates only.

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2008 versus May 1, 2008 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>2/1/2008</u>	Total Bill Using Rates <u>5/1/2008</u>	Total <u>Difference</u>	% Total <u>Difference</u>
15	\$10.56	\$10.67	\$0.11	1.1%
75	\$19.18	\$19.75	\$0.57	3.0%
150	\$29.96	\$31.09	\$1.14	3.8%
250	\$44.33	\$46.22	\$1.89	4.3%
350	\$58.70	\$61.34	\$2.65	4.5%
450	\$73.07	\$76.47	\$3.41	4.7%
550	\$87.44	\$91.60	\$4.16	4.8%
650	\$101.81	\$106.73	\$4.92	4.8%
750	\$116.18	\$121.85	\$5.68	4.9%
900	\$137.73	\$144.54	\$6.81	4.9%

	Rates - Effective February 1, 2008	Rates - Proposed	Difference
kWh Meter Customer Charge	\$8.40	\$8.40	\$0.00
	All kWh	All kWh	All kWh
Distribution Charge	\$0.02975	\$0.02975	\$0.00000
External Delivery Charge	\$0.00697	\$0.00697	\$0.00000
Stranded Cost Charge	\$0.00864	\$0.00864	\$0.00000
System Benefits Charge	\$0.00300	\$0.00300	\$0.00000
Default Service Charge	\$0.09534	\$0.10291	\$0.00757
TOTAL	\$0.14370	\$0.15127	\$0.00757

^{*} Comparison isolates the impact of changes to the Default Service Rates only.

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2008 versus May 1, 2008 Impacts do NOT include the Electricity Consumption Tax Impact on G2 QRWH and SH Rate Customers

Average	Total Bill Using Rates	Total Bill Using Rates	Total	% Total
<u>kWh</u>	<u>2/1/2008</u>	5/1/2008	<u>Difference</u>	<u>Difference</u>
100	\$17.23	\$17.99	\$0.76	4.4%
200	\$30.72	\$32.23	\$1.51	4.9%
300	\$44.20	\$46.47	\$2.27	5.1%
400	\$57.68	\$60.71	\$3.03	5.2%
500	\$71.17	\$74.95	\$3.79	5.3%
750	\$104.87	\$110.55	\$5.68	5.4%
1,000	\$138.58	\$146.15	\$7.57	5.5%
1,500	\$206.00	\$217.35	\$11.36	5.5%
2,000	\$273.41	\$288.55	\$15.14	5.5%
2,500	\$340.83	\$359.75	\$18.93	5.6%

	Rates - Effective February 1, 2008	Rates - Proposed May	Difference
Customer Charge	\$3.75	\$3.75	\$0.00
	<u>All kWh</u>	All kWh	All kWh
Distribution Charge	\$0.02088	\$0.02088	\$0.00000
External Delivery Charge	\$0.00697	\$0.00697	\$0.00000
Stranded Cost Charge	\$0.00864	\$0.00864	\$0.00000
System Benefits Charge	\$0.00300	\$0.00300	\$0.00000
Default Service Charge	\$ 0.09534	\$ 0.10291	<u>\$0.00757</u>
TOTAL	\$0.13483	\$0.14240	\$0.00757

^{*} Comparison isolates the impact of changes to the Default Service Rates only.

Unitil Energy Systems, Inc. Typical Bill Impacts - February 1, 2008 versus May 1, 2008 Impacts do NOT include the Electricity Consumption Tax Impact on G1 Rate Customers

Load Factor	Average Monthly <u>kVa</u>	Average Monthly <u>kWh</u>	Total Bill Using Rates <u>2/1/2008</u>	Total Bill Using Rates <u>5/1/2008</u>	Total <u>Difference</u>	% Total <u>Difference</u>
25.0%	200	36,500	\$6,081.97	\$6,530.19	\$448.22	7.4%
25.0%	400	73,000	\$12,055.08	\$12,951.52	\$896.44	7.4%
25.0%	600	109,500	\$18,028.19	\$19,372.85	\$1,344.66	7.5%
25.0%	800	146,000	\$24,001.30	\$25,794.18	\$1,792.88	7.5%
25.0%	1,000	182,500	\$29,974.41	\$32,215.51	\$2,241.10	7.5%
25.0%	1,500	273,750	\$44,907.19	\$48,268.84	\$3,361.65	7.5%
25.0%	2,000	365,000	\$59,839.96	\$64,322.16	\$4,482.20	7.5%
25.0%	2,500	456,250	\$74,772.74	\$80,375.49	\$5,602.75	7.5%
25.0%	3,000	547,500	\$89,705.51	\$96,428.81	\$6,723.30	7.5%
40.0%	200	58,400	\$8,713.04	\$9,430.19	\$717.15	8.2%
40.0%	400	116,800	\$17,317.21	\$18,751.52	\$1,434.30	8.3%
40.0%	600	175,200	\$25,921.39	\$28,072.84	\$2,151.46	8.3%
40.0%	800	233,600	\$34,525.56	\$37,394.17	\$2,868.61	8.3%
40.0%	1,000	292,000	\$43,129.74	\$46,715.50	\$3,585.76	8.3%
40.0%	1,500	438,000	\$64,640.18	\$70,018.82	\$5,378.64	8.3%
40.0%	2,000	584,000	\$86,150.62	\$93,322.14	\$7,171.52	8.3%
40.0%	2,500	730,000	\$107,661.06	\$116,625.46	\$8,964.40	8.3%
40.0%	3,000	876,000	\$129,171.50	\$139,928.78	\$10,757.28	8.3%
57.0%	200	83,220	\$11,694.91	\$12,716.85	\$1,021.94	8.7%
57.0%	400	166,440	\$23,280.96	\$25,324.84	\$2,043.88	8.8%
57.0%	600	249,660	\$34,867.01	\$37,932.84	\$3,065.82	8.8%
57.0%	800	332,880	\$46,453.06	\$50,540.83	\$4,087.77	8.8%
57.0%	1,000	416,100	\$58,039.11	\$63,148.82	\$5,109.71	8.8%
57.0%	1,500	624,150	\$87,004.24	\$94,668.80	\$7,664.56	8.8%
57.0%	2,000	832,200	\$115,969.37	\$126,188.78	\$10,219.42	8.8%
57.0%	2,500	1,040,250	\$144,934.50	\$157,708.77	\$12,774.27	8.8%
57.0%	3,000	1,248,300	\$173,899.62	\$189,228.75	\$15,329.12	8.8%
71.0%	200	103,660	\$14,150.57	\$15,423.52	\$1,272.94	9.0%
71.0%	400	207,320	\$28,192.28	\$30,738.17	\$2,545.89	9.0%
71.0%	600	310,980	\$42,234.00	\$46,052.83	\$3,818.83	9.0%
71.0%	800	414,640	\$56,275.71	\$61,367.49	\$5,091.78	9.0%
71.0%	1,000	518,300	\$70,317.42	\$76,682.15	\$6,364.72	9.1%
71.0%	1,500	777,450	\$105,421.70	\$114,968.79	\$9,547.09	9.1%
71.0%	2,000	1,036,600	\$140,525.98	\$153,255.43	\$12,729.45	9.1%
71.0%	2,500	1,295,750	\$175,630.27	\$191,542.08	\$15,911.81	9.1%
71.0%	3,000	1,554,900	\$210,734.55	\$229,828.72	\$19,094.17	9.1%

	Rates - Effective February 1, 2008	Rates - Proposed May 1, 2008*	Difference
Customer Charge	\$108.86	\$108.86	\$0.00
	\$ 10a.00	4 100.00	40.00
Distribution Charge	<u>All kVA</u>	<u>All kVA</u>	<u>All kVA</u>
Stranded Cost Charge	\$5.69	\$5.69	\$0.00
TOTAL	<u>\$2.25</u>	<u>\$2.25</u>	<u>\$0.00</u>
	\$7.94	\$7.94	\$0.00
	<u>All kWh</u>	All kWh	<u>All kWh</u>
Distribution Charge	\$0.0000	\$0.00000	\$0.00000
External Delivery Charge	\$0.00697	\$0.00697	\$0.00000
Stranded Cost Charge	\$0.00119	\$0.00119	\$0.00000
System Benefits Charge	\$0.00300	\$0.00300	\$0.00000
Default Service Charge**	\$0.10898	\$0.12126	\$0.01228
TOTAL	\$0.12014	\$0.13242	\$0.01228

^{*} Comparison isolates the impact of changes to the Default Service Rates only.

^{**} 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, 2008 versus May 1, 2008
Impacts do NOT include the Electricity Consumption Tax
Impact on Ol. Rate Customers

	Nominal <u>Watts</u>	<u>Lumens</u>	Average Monthly kWh	Total Bill Using Rates 2/1/2008	Total Bill Using Rates <u>5/1/2008</u>	Total <u>Difference</u>	% Total <u>Difference</u>
	Mercury Vapor:						
1	100	3,500	40	\$12.44	\$12.74	\$0.30	2.4%
2	175	7,000	67	\$17.17	\$17.68	\$0.51	3.0%
2 3	250	11,000	95	\$21.78	\$22.49	\$0.72	3.3%
4	400	20,000	154	\$30.78	\$31.94	\$1.17	3.8%
5	1,000	60,000	388	\$71.50	\$74.44	\$2.94	4.1%
6	250	11,000	95	\$22.56	\$23.27	\$0.72	3.2%
7	400	20,000	154	\$31.79	\$32.95	\$1.17	3.7%
8	1,000	60,000	388	\$68.47	\$71.41	\$2.94	4.3%
9	100	3,500	40	\$12.52	\$12.82	\$0.30	2.4%
10	175	7,000	67	\$16.57	\$17.08	\$0.51	3.1%
<u>Hi</u>	ah Pressure Sodium:						
11	50	4,000	21	\$10.43	\$10.59	\$0.16	1.5%
12	100	9,500	43	\$14.08	\$14.41	\$0.33	2.3%
13	150	16,000	60	\$16.06	\$16.51	\$0.45	2.8%
14	250	30,000	101	\$23.33	\$24.09	\$0.76	3.3%
15	400	50,000	161	\$33.51	\$34.72	\$1.22	3.6%
16	1,000	140,000	398	\$72.29	\$75.30	\$3.01	4.2%
17	150	16,000	60	\$17.63	\$18.08	\$0.45	2.6%
18	250	30,000	101	\$24.41	\$25.17	\$0.76	3.1%
19	400	50,000	161	\$33.15	\$34.36	\$1.22	3.7%
20	1,000	140,000	398	\$72.53	\$75.54	\$3.01	4.2%
21	50	4,000	21	\$9.76	\$9.92	\$0.16	1.6%
22	100	95,000	43	\$13.29	\$13.62	\$0.33	2.4%

	Rates - Effective February 1, 2008	Rates - Proposed May 1, 2008*	Difference
Customer Charge	\$0.00	\$0.00	\$0.00
	All kWh	<u>All kWh</u>	All kWh
Distribution Charge	\$0.0000	\$0.0000	\$0.00000
External Delivery Charge	\$0.00697	\$0.00697	\$0.0000
Stranded Cost Charge	\$0.00864	\$0.00864	\$0.0000
System Benefits Charge	\$0,00300	\$0.00300	\$0.0000
Default Service Charge	\$0.09534	\$0.10291	\$0.00757
TOTAL	\$0.11395	\$0.12152	\$0.00757
uminaire Charges For Year	Round Service:		
	Mercury Vapor Rate/Mo.	Mercury Vapor Rate/Mo.	Mercury Vapor Rate/Mo.
	1 \$7.88	\$7.88	\$0.00
	2 \$9.54	\$9.54	\$0.00
	3 \$10.95	\$10.95	\$0.00
	4 \$13.23	\$13.23	\$0.00
	5 \$27.29	\$27.29	\$0.00
	6 \$11.73	\$11.73	\$0.00
	7 \$14.24	\$14.24	\$0.00
	8 \$24.26	\$24.26	\$0.00
	9 \$7.96	\$7.96	\$0.00
	10 \$8.94	\$8.94	\$0.00
	Sodium Vapor Rate/Mo.	Sodium Vapor Rate/Mo.	Sodium Vapor Rate/Mo.
	11 \$8.04	\$8.04	\$0.00
	12 \$9.18	\$9.18	\$0.00
	13 \$9.22	\$9.22	\$0.00
	14 \$11.82	\$11.82	\$0.00
	15 \$15.16	\$15.16	\$0.00
	16 \$26.94	\$26.94	\$0.00
	17 \$10.79	\$10.79	\$0.00
	18 \$12.90	\$12.90	\$0.00
	19 \$14.80	\$14.80	\$0.00
	20 \$27.18	\$27.18	\$0.00
	21 \$7.37	\$7.37	\$0.00
			\$0.00

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