



Granite State Electric Company  
d/b/a National Grid  
Docket No. DE 11-\_\_  
Witness: D.E. Tufts

Schedules  
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Granite State Electric Company  
d/b/a National Grid  
Docket No. DE 11-\_\_  
Witness: D.E. Tufts

**Schedule DET-1**  
**Revenue Requirement**

**Granite State Electric Company  
Incremental REP Program  
Annual Rate Changes  
FY 2011**

	<u>07/01/2007</u>	<u>07/01/2008</u>	<u>07/01/2009</u>	<u>07/01/2010</u>	<u>07/01/2011</u>	<u>07/01/2012</u>
	(a)	(b)	(c)	(d)	(e)	(f)
<b><u>Annual Incremental Rate Adjustments</u></b>						
1 REP and VMP O&M Program, including FairPoint Reimbursements	\$0	\$0	\$113,832	\$1,047,770	(\$758,113)	\$0
2						
3 REP Capital Program	\$0	\$165,840	\$75,740	\$163,662	\$102,941	\$106,640
4						
5 Total for Fiscal Year	\$0	\$165,840	\$189,572	\$1,211,432	(\$655,172)	\$106,640
6						
7 Termination of Prior Period O&M Recovery	\$0	\$0	\$0	(\$113,832)	(\$1,047,770)	\$758,113
8						
9 Net Change in Recovery	\$0	\$165,840	\$189,572	\$1,097,600	(\$1,702,942)	\$864,753

Notes:

Line 1 From Page 2 of 3, Line 13.  
Line 3 From Page 3 of 3, Line 40.  
Line 5 Line 1 + Line 3.  
Line 7 Line 1  
Line 9 Line 5 + Line 7



Granite State Electric Company  
d/b/a National Grid  
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**Schedule DET-2**  
**Rate Design**

Granite State Electric Company  
Rate Settlement  
Procedure for Adjusting Distribution Rates for Capital Investment Allowance  
Calculation of Percentage Adjustment to Distribution Rates  
Rates Effective July 1, 2011

(1)	Increase in Annual Revenue Requirement	\$102,941
(2)	Forecasted Base Distribution Revenue	\$20,778,383
(3)	Percentage of Adjustment to Distribution Rates	0.50%

- (1) Exhibit DET- 1, Page 1
- (2) Page 2, Forecasted Billing Units for the applicable period multiplied by current rates.
- (3) Line (1) ÷ Line (2)



Granite State Electric Company  
Rate Settlement  
Procedure for Adjusting Distribution Rates for Capital Investment Allowance  
Calculation of Percentage Adjustment to Distribution Rates  
Forecasted Distribution Revenue for Period from July 2011 through June 2012

Rate Class	Distribution Rate Component	Current	Forecasted	Forecasted
		Base Distribution Charges	Units	Revenue
		(a)	(b)	(c)
D	Customer Charge	\$4.35	412,798	\$1,795,672
	1st 250 kWh	\$0.01641	94,575,891	\$1,551,990
	Excess 250 kWh	\$0.04275	176,619,987	\$7,550,504
	Off Peak kWh	\$0.01570	6,797,380	\$106,719
	Farm kWh	\$0.02553	811,210	\$20,710
	D-6 kWh	\$0.01641	923,101	\$15,148
	Interruptible Credit IC-1	(\$4.84)	2,484	(\$12,023)
	Interruptible Credit IC-2	(\$6.47)	408	(\$2,640)
D-10	Customer Charge	\$7.47	4,921	\$36,761
	On Peak kWh	\$0.04746	1,892,064	\$89,797
	Off Peak kWh	\$0.00000		
G-1	Customer Charge	\$92.99	1,766	\$164,250
	Demand Charge	\$4.06	621,645	\$2,523,880
	On Peak kWh	\$0.00134	162,653,854	\$217,956
	Off Peak kWh	\$0.00000		
	Credit for High Voltage Delivery > 2.4 kv	(\$0.26)	325,183	(\$84,547)
	Credit for High Voltage Metering			(\$43,010)
	Optional Charge			\$20,633
G-2	Customer Charge	\$24.89	10,119	\$251,857
	Demand Charge	\$4.48	473,475	\$2,121,167
	All kWh	\$0.00031	160,192,473	\$49,660
	Credit for High Voltage Delivery > 2.4 kv	(\$0.26)	379	(\$98)
	Credit for High Voltage Metering			(\$485)
	Optional Charge			\$3,149
G-3	Customer Charge	\$5.51	67,521	\$372,041
	All kWh	\$0.03076	97,641,600	\$3,003,456
	Minimum Charge > 25 kVA	\$1.62		
M	Luminaire Charge			
	<u>Description</u>			
	LUM INC RWY 103W	\$67.52	26	\$1,756
	LUM MV RWY 100W	\$48.87	265	\$12,951
	LUM MV RWY 175W	\$59.42	365	\$21,688
	LUM MV RWY 400W	\$112.38	65	\$7,305
	LUM MV RWY 1000W	\$213.22	1	\$213
	LUM MV FLD 400W	\$124.28	37	\$4,598
	LUM MV FLD 1000W	\$214.61	1	\$215
	LUM HPS RWY 50W	\$50.58	2329	\$117,801
	LUM HPS RWY 100W	\$61.32	1687	\$103,447
	LUM HPS RWY 250W	\$107.67	591	\$63,633
	LUM HPS RWY 400W	\$140.29	251	\$35,213
	LUM HPS FLD 250W	\$108.63	297	\$32,263
	LUM HPS FLD 400W	\$149.96	477	\$71,531
	LUM HPS POST 100W	\$70.62	380	\$26,836
	Pole and Accessory Charge			
	<u>Description</u>			
	POLE – WOOD	\$59.60	134	\$7,986
	POLE FIBER PT <25FT	\$61.72	248	\$15,307
	POLE FIBER RWY <25FT	\$104.67	123	\$12,874
	POLE FIBER RWY =>25	\$174.87	0	\$0
	POLE METAL EMBEDDED	\$124.81	97	\$12,107
	POLE METAL =>25FT	\$150.39	129	\$19,400
	All kWh	\$0.00000		
T	Customer Charge	\$5.63	14,701	\$82,767
	All kWh	\$0.02009	19,030,616	\$382,325
	Interruptible Credit IC-1	(\$4.84)	3,264	(\$15,798)
	Interruptible Credit IC-2	(\$6.47)	108	(\$699)
V	Minimum Charge	\$5.88	233	\$1,371
	All kWh	\$0.02838	308,165	\$8,746
				\$20,778,383
(a)	Per currently effective tariffs			
(b)	Company Forecast			
(c)	Column (a) x Column (b)			

Granite State Electric Company  
Rate Settlement  
Calculation of Reliability Enhancement Program and Vegetation Management Plan Adjustment Factor  
Rates Effective July 1, 2011

(1)	O&M Expense Below Base O&M Expense	(\$758,113)
(2)	Estimated Interest During Recovery Period	<u>(\$18,446)</u>
(3)	O&M Expense Below Base O&M Expense Including Interest	(\$776,559)
(4)	Estimated kWh deliveries	926,782,640
(5)	Reliability Enhancement Program and Vegetation Management Plan Adjustment Factor	(\$0.00083)

- (1) Exhibit DET- 1, Page 1
- (2) Page 4
- (3) Line (1) + Line (2)
- (4) Per Company forecast
- (5) Line (3) ÷ Line (4), truncated after 5 decimal places

Granite State Electric Company  
Calculation of Interest on FY 2011 Incremental O&M Expense Above Base O&M Expense

	Beginning Balance With Interest (a)	Estimated Recovery (b)	Ending Balance (c)	Balance Subject to Interest (d)	Effective Interest Rate (e)	Interest (f)	Cumulative Interest (g)
April 2011	\$758,113		\$758,113	\$758,113	3.25%	\$2,023	\$2,023
May	\$760,136		\$760,136	\$760,136	3.25%	\$2,029	\$4,052
June	\$762,165		\$762,165	\$762,165	3.25%	\$2,034	\$6,086
July	\$764,199	(\$63,683)	\$700,516	\$732,357	3.25%	\$1,955	\$8,041
August	\$702,470	(\$63,861)	\$638,609	\$670,540	3.25%	\$1,790	\$9,830
September	\$640,399	(\$64,040)	\$576,359	\$608,379	3.25%	\$1,624	\$11,454
October	\$577,983	(\$64,220)	\$513,762	\$545,872	3.25%	\$1,457	\$12,911
November	\$515,219	(\$64,402)	\$450,817	\$483,018	3.25%	\$1,289	\$14,200
December	\$452,106	(\$64,587)	\$387,519	\$419,813	3.25%	\$1,120	\$15,320
January 2012	\$388,640	(\$64,773)	\$323,866	\$356,253	3.25%	\$951	\$16,271
February	\$324,817	(\$64,963)	\$259,854	\$292,335	3.25%	\$780	\$17,051
March	\$260,634	(\$65,158)	\$195,475	\$228,055	3.25%	\$609	\$17,660
April	\$196,084	(\$65,361)	\$130,723	\$163,403	3.25%	\$436	\$18,096
May	\$131,159	(\$65,579)	\$65,579	\$98,369	3.25%	\$263	\$18,358
June	\$65,842	(\$65,842)	\$0	\$32,921	3.25%	\$88	\$18,446

- (a) April 2011 per Page 3, Line (1); all other months = prior month Column (c) + prior month Column (f)  
(b) Column (a) ÷ number of remaining months in recovery period  
(c) Column (a) + Column (b)  
(d) Average of Column (a) and Column (c)  
(e) Interest rate on customer deposits  
(f) Column (d) x [ (1 + Column (e) ) ^ ( 1 ÷ 12 ) - 1 ]  
(g) Prior month Column (g) + Current month Column (f)

Granite State Electric Company  
Rate Settlement  
Procedure for Adjusting Distribution Rates for Capital Investment Allowance  
Rates Effective July 1, 2011

Rate Class	Distribution Rate Component	Current Base Distribution Charges (a)	Proposed Distribution % Increase (b)	Proposed Base Distribution Charges (c)
D	Customer Charge	\$4.35	0.50%	\$4.37
	1st 250 kWh	\$0.01641	0.50%	\$0.01649
	Excess 250 kWh	\$0.04275	0.50%	\$0.04296
	Off Peak kWh	\$0.01570	0.50%	\$0.01577
	Farm kWh	\$0.02553	0.50%	\$0.02565
	D-6 kWh	\$0.01641	0.50%	\$0.01649
	Interruptible Credit IC-1	(\$4.84)	0.50%	(\$4.86)
	Interruptible Credit IC-2	(\$6.47)	0.50%	(\$6.50)
D-10	Customer Charge	\$7.47	0.50%	\$7.50
	On Peak kWh	\$0.04746	0.50%	\$0.04769
	Off Peak kWh	\$0.00000	0.50%	\$0.00000
G-1	Customer Charge	\$92.99	0.50%	\$93.45
	Demand Charge	\$4.06	0.50%	\$4.08
	On Peak kWh	\$0.00134	0.50%	\$0.00134
	Off Peak kWh	\$0.00000	0.50%	\$0.00000
	Credit for High Voltage Delivery > 2.4 kv	(\$0.26)	0.50%	(\$0.26)
G-2	Customer Charge	\$24.89	0.50%	\$25.01
	Demand Charge	\$4.48	0.50%	\$4.50
	All kWh	\$0.00031	0.50%	\$0.00031
	Credit for High Voltage Delivery > 2.4 kv	(\$0.26)	0.50%	(\$0.26)
G-3	Customer Charge	\$5.51	0.50%	\$5.53
	All kWh	\$0.03076	0.50%	\$0.03091
	Minimum Charge > 25 kVA	\$1.62	0.50%	\$1.62
M	Luminaire Charge			
	<u>Description</u>			
	LUM INC RWY 103W	\$67.52	0.50%	\$67.85
	LUM MV RWY 100W	\$48.87	0.50%	\$49.11
	LUM MV RWY 175W	\$59.42	0.50%	\$59.71
	LUM MV RWY 400W	\$112.38	0.50%	\$112.94
	LUM MV RWY 1000W	\$213.22	0.50%	\$214.28
	LUM MV FLD 400W	\$124.28	0.50%	\$124.90
	LUM MV FLD 1000W	\$214.61	0.50%	\$215.68
	LUM HPS RWY 50W	\$50.58	0.50%	\$50.83
	LUM HPS RWY 100W	\$61.32	0.50%	\$61.62
	LUM HPS RWY 250W	\$107.67	0.50%	\$108.20
	LUM HPS RWY 400W	\$140.29	0.50%	\$140.99
	LUM HPS FLD 250W	\$108.63	0.50%	\$109.17
	LUM HPS FLD 400W	\$149.96	0.50%	\$150.70
	LUM HPS POST 100W	\$70.62	0.50%	\$70.97
	Pole and Accessory Charge			
	<u>Description</u>			
	POLE – WOOD	\$59.60	0.50%	\$59.89
	POLE FIBER PT <25FT	\$61.72	0.50%	\$62.02
	POLE FIBER RWY <25FT	\$104.67	0.50%	\$105.19
	D	\$174.87	0.50%	\$175.74
	POLE METAL EMBEDDED	\$124.81	0.50%	\$125.43
	POLE METAL =>25FT	\$150.39	0.50%	\$151.14
	All kWh	\$0.00000	0.50%	\$0.00000
T	Customer Charge	\$5.63	0.50%	\$5.65
	All kWh	\$0.02009	0.50%	\$0.02019
	Interruptible Credit IC-1	(\$4.84)	0.50%	(\$4.86)
	Interruptible Credit IC-2	(\$6.47)	0.50%	(\$6.50)
V	Minimum Charge	\$5.88	0.50%	\$5.90
	All kWh	\$0.02838	0.50%	\$0.02852
(a)	Per currently effective tariffs			
(b)	Page 1, Line (3)			
(c)	Column (a) x (1+Column (b))			



Granite State Electric Company  
d/b/a National Grid  
Docket No. DE 11-\_\_  
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**Schedule DET-3**  
**Reconciliation of Recovery of FY 2010 Incremental**  
**O&M Expense Above Base O&M Expense**

Granite State Electric Company  
Reconciliation of Recovery of FY 2009 Incremental O&M Expense Above Base O&M Expense

	Beginning Balance With Interest (a)	Recovery (b)	Adjustment (c)	Ending Balance (d)	Balance Subject to Interest (e)	Effective Interest Rate (f)	Interest (g)	Cumulative Interest (h)
April 2009	(\$113,832)			(\$113,832)	(\$113,832)	3.25%	(\$304)	(\$304)
May	(\$114,136)			(\$114,136)	(\$114,136)	3.25%	(\$305)	(\$608)
June	(\$114,440)			(\$114,440)	(\$114,440)	3.25%	(\$305)	(\$914)
July	(\$114,746)			(\$114,746)	(\$114,746)	3.25%	(\$306)	(\$1,220)
August	(\$115,052)	\$5,155		(\$109,897)	(\$112,474)	3.25%	(\$300)	(\$1,520)
September	(\$110,197)	\$10,478		(\$99,719)	(\$104,958)	3.25%	(\$280)	(\$1,800)
October	(\$99,999)	\$9,683		(\$90,316)	(\$95,158)	3.25%	(\$254)	(\$2,054)
November	(\$90,570)	\$9,717		(\$80,854)	(\$85,712)	3.25%	(\$229)	(\$2,283)
December	(\$81,082)	\$10,316		(\$70,766)	(\$75,924)	3.25%	(\$203)	(\$2,486)
January 2010	(\$70,969)	\$11,691		(\$59,278)	(\$65,124)	3.25%	(\$174)	(\$2,659)
February	(\$59,452)	\$9,888		(\$49,564)	(\$54,508)	3.25%	(\$145)	(\$2,805)
March	(\$49,709)	\$9,959		(\$39,750)	(\$44,730)	3.25%	(\$119)	(\$2,924)
April	(\$39,869)	\$9,672		(\$30,197)	(\$35,033)	3.25%	(\$94)	(\$3,018)
May	(\$30,291)	\$9,139		(\$21,152)	(\$25,721)	3.25%	(\$69)	(\$3,086)
June	(\$21,220)	\$10,832		(\$10,388)	(\$15,804)	3.25%	(\$42)	(\$3,129)
July	(\$10,431)	\$4,802		(\$5,629)	(\$8,030)	3.25%	(\$21)	(\$3,150)

\$111,332

- (a) Revised Schedule DET-2, page 4, Docket DE 09-094
- (b) Company Billing Reports
- (c)
- (d) Column (a) + Column (b)
- (e) Average of Column (a) and Column (d)
- (f) Interest rate on customer deposits
- (g)  $\text{Column (e)} \times [ (1 + \text{Column (f)}) ^ (1 \div 12) - 1 ]$
- (h) Prior month Column (h) + Current month Column (g)

Granite State Electric Company  
Reconciliation of Recovery of FY 2010 Incremental O&M Expense Above Base O&M Expense

	Beginning Balance With Interest (a)	Recovery (b)	Adjustment (c)	Ending Balance (d)	Balance Subject to Interest (e)	Effective Interest Rate (f)	Interest (g)	Cumulative Interest (h)
April 2010	(\$1,047,770)			(\$1,047,770)	(\$1,047,770)	3.25%	(\$2,796)	(\$2,796)
May	(\$1,050,566)			(\$1,050,566)	(\$1,050,566)	3.25%	(\$2,804)	(\$5,600)
June	(\$1,053,370)			(\$1,053,370)	(\$1,053,370)	3.25%	(\$2,811)	(\$8,411)
July	(\$1,056,181)	\$56,734	(\$5,629)	(\$1,005,076)	(\$1,030,629)	3.25%	(\$2,751)	(\$11,162)
August	(\$1,007,826)	\$103,905		(\$903,921)	(\$955,874)	3.25%	(\$2,551)	(\$13,713)
September	(\$906,472)	\$95,463		(\$811,009)	(\$858,741)	3.25%	(\$2,292)	(\$16,005)
October	(\$813,301)	\$85,060		(\$728,241)	(\$770,771)	3.25%	(\$2,057)	(\$18,062)
November	(\$730,298)	\$83,841		(\$646,457)	(\$688,378)	3.25%	(\$1,837)	(\$19,899)
December	(\$648,294)	\$88,677		(\$559,618)	(\$603,956)	3.25%	(\$1,612)	(\$21,511)
January 2011	(\$561,230)	\$101,245		(\$459,985)	(\$510,607)	3.25%	(\$1,363)	(\$22,873)
February	(\$461,348)	\$97,901		(\$363,447)	(\$412,397)	3.25%	(\$1,101)	(\$23,974)
March	(\$364,548)	\$92,526		(\$272,022)	(\$318,285)	3.25%	(\$849)	(\$24,823)
April	(\$272,871)	\$88,709		(\$184,162)	(\$228,517)	3.25%	(\$610)	(\$25,433)
May	(\$184,772)	\$0		(\$184,772)	(\$184,772)	3.25%	(\$493)	(\$25,926)
June	(\$185,265)	\$0		(\$185,265)	(\$185,265)	3.25%	(\$494)	(\$26,421)
July	(\$185,759)	\$0		(\$185,759)	(\$185,759)	3.25%	(\$496)	(\$26,917)
		\$894,060						

- (a) Schedule DET-2, page 4, Docket DE 10-140
- (b) Company Billing Reports
- (c) Page 1
- (d) Column (a) + Column (b)
- (e) Average of Column (a) and Column (d)
- (f) Interest rate on customer deposits
- (g)  $\text{Column (e)} \times [ (1 + \text{Column (f)}) ^ (1 \div 12) - 1 ]$
- (h) Prior month Column (h) + Current month Column (g)





Granite State Electric Company  
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**Schedule DET-4**  
**Typical Bill Impacts**

kWh Split	
On-Peak	100.00%
Off-Peak	0.00%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge		\$4.35
Distribution Charge		
1st 250 kWh	kWh x	\$0.01812
excess of 250 kWh	kWh x	\$0.04446
Off Peak kWh	kWh x	\$0.01741
Storm Adjustment Factor	kWh x	\$0.00040
Transmission Charge	kWh x	\$0.01628
Stranded Cost Charge	kWh x	\$0.00020
System Benefits Charge	kWh x	\$0.00330
Electricity Consumption Tax	kWh x	\$0.00055
<u>Supplier Services</u>		
Default Service	kWh x	\$0.06680
		\$0.06680

Granite State Electric Company  
Proposed July 1, 2011 Default Service Rates  
Calculation of Monthly Typical Bill  
Impact on Rate D Default Service Customers  
With 6 Hour Water Heater Control

kWh Split  
On-Peak 80.00%  
Off-Peak 20.00%

Monthly KWh	On-Peak kWh	Off-Peak kWh	(1) ----- / ----- (2) ----- / ----- (1) vs (2)		Overall Increase (Decrease) Amount %
			Present Rates	Proposed Rates	
			Total	Total	
200	160	40	\$20.62	\$20.22	(\$0.40) -1.9%
350	280	70	\$37.23	\$36.54	(\$0.69) -1.9%
500	400	100	\$56.22	\$55.24	(\$0.98) -1.7%
750	600	150	\$87.86	\$86.41	(\$1.45) -1.7%
1,000	800	200	\$119.50	\$117.57	(\$1.93) -1.6%
				Retail Delivery	
				\$7.26	
				\$13.85	
				\$22.82	
				\$37.76	
				\$52.70	

Present Rates

Customer Charge		\$4.35
Distribution Charge		\$4.37
1st 250 kWh	kWh x	\$0.01612
excess of 250 kWh	kWh x	\$0.04259
Off Peak kWh	kWh x	\$0.01540
Storm Adjustment Factor	kWh x	\$0.00040
Transmission Charge	kWh x	\$0.01628
Stranded Cost Charge	kWh x	\$0.00020
System Benefits Charge	kWh x	\$0.00330
Electricity Consumption Tax	kWh x	\$0.00055
Interruptible Credit #1		(\$4.86)
<u>Supplier Services</u>		
Default Service	kWh x	\$0.06680

Granite State Electric Company  
Proposed July 1, 2011 Default Service Rates  
Calculation of Monthly Typical Bill  
Impact on Rate D Default Service Customers  
With 6 Hour Water Heater Control

kWh Split  
On-Peak 60.00%  
Off-Peak 40.00%

Monthly KWh	On-Peak kWh	Off-Peak kWh	(1) ----- / ----- (2) ----- / ----- (1) vs (2)		Overall Increase (Decrease) Amount %
			Present Rates	Proposed Rates	
			Total	Total	
200	120	80	\$18.95	\$18.54	(\$0.41) -2.2%
350	210	140	\$34.77	\$34.06	(\$0.71) -2.0%
500	300	200	\$51.88	\$50.88	(\$1.00) -1.9%
750	450	300	\$82.17	\$80.69	(\$1.48) -1.8%
1,000	600	400	\$112.46	\$110.50	(\$1.96) -1.7%

Proposed Rates

Customer Charge		\$4.37
Distribution Charge		\$0.00000
1st 250 kWh	kWh x	\$0.01612
excess of 250 kWh	kWh x	\$0.04259
Off Peak kWh	kWh x	\$0.01540
Storm Adjustment Factor	kWh x	\$0.00040
Transmission Charge	kWh x	\$0.01628
Stranded Cost Charge	kWh x	\$0.00020
System Benefits Charge	kWh x	\$0.00330
Electricity Consumption Tax	kWh x	\$0.00055
Interruptible Credit #2		(\$6.50)
<u>Supplier Services</u>		
Default Service	kWh x	\$0.06680

Granite State Electric Company  
Proposed July 1, 2011 Default Service Rates  
Calculation of Monthly Typical Bill  
Impact on Rate D-10 Default Service Customers

kWh Split  
On-Peak 80.00%  
Off-Peak 20.00%

Monthly KWh	On-Peak kWh	Off-Peak kWh	(1)		(2)		(1) vs (2)			
			Total	Present Rates Default Service	Retail Delivery	Total		Proposed Rates Default Service	Retail Delivery	
700	560	140	\$95.13	\$46.76	\$48.37	\$93.83	\$46.76	\$47.07	(\$1.30)	-1.4%
1,000	800	200	\$132.68	\$66.80	\$65.88	\$130.81	\$66.80	\$64.01	(\$1.87)	-1.4%
1,300	1,040	260	\$170.24	\$86.84	\$83.40	\$167.81	\$86.84	\$80.97	(\$2.43)	-1.4%
1,600	1,280	320	\$207.81	\$106.88	\$100.93	\$204.80	\$106.88	\$97.92	(\$3.01)	-1.4%
1,900	1,520	380	\$245.37	\$126.92	\$118.45	\$241.79	\$126.92	\$114.87	(\$3.58)	-1.5%

Present Rates

Customer Charge				\$7.47					\$7.50
Distribution Charge									
On Peak kWh	kWh x			\$0.04926					\$0.04741
Off Peak kWh	kWh x			\$0.00180					(\$0.00028)
Storm Adjustment Factor	kWh x			\$0.00040					\$0.00040
Transmission Charge	kWh x			\$0.01418					\$0.01418
Stranded Cost Charge	kWh x			\$0.00021					\$0.00021
System Benefits Charge	kWh x			\$0.00330					\$0.00330
Electricity Consumption Tax	kWh x			\$0.00055					\$0.00055

Supplier Services

Default Service	kWh x			\$0.06680					\$0.06680
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Granite State Electric Company  
Proposed July 1, 2011 Default Service Rates  
Calculation of Monthly Typical Bill  
Impact on Rate D-10 Default Service Customers

kWh Split				(1)	/	(2)	/	(1) vs (2)	
On-Peak		70.00%							
Off-Peak		30.00%							
Monthly KWh	On-Peak kWh	Off-Peak kWh	Total	Present Rates Default Service	Retail Delivery	Total	Proposed Rates Default Service	Retail Delivery	Overall Increase (Decrease) Amount %
700	490	210	\$91.81	\$46.76	\$45.05	\$90.49	\$46.76	\$43.73	(\$1.32) -1.4%
1,000	700	300	\$127.93	\$66.80	\$61.13	\$126.05	\$66.80	\$59.25	(\$1.88) -1.5%
1,300	910	390	\$164.07	\$86.84	\$77.23	\$161.60	\$86.84	\$74.76	(\$2.47) -1.5%
1,600	1,120	480	\$200.21	\$106.88	\$93.33	\$197.18	\$106.88	\$90.30	(\$3.03) -1.5%
1,900	1,330	570	\$236.36	\$126.92	\$109.44	\$232.74	\$126.92	\$105.82	(\$3.62) -1.5%

Proposed Rates

Present Rates

Customer Charge				\$7.47			\$7.50
Distribution Charge							
On Peak kWh	kWh x			\$0.04926			\$0.04741
Off Peak kWh	kWh x			\$0.00180			(\$0.00028)
Storm Adjustment Factor	kWh x			\$0.00040			\$0.00040
Transmission Charge	kWh x			\$0.01418			\$0.01418
Stranded Cost Charge	kWh x			\$0.00021			\$0.00021
System Benefits Charge	kWh x			\$0.00330			\$0.00330
Electricity Consumption Tax	kWh x			\$0.00055			\$0.00055

Supplier Services

Default Service	kWh x			\$0.06680			\$0.06680
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Granite State Electric Company  
Proposed July 1, 2011 Default Service Rates  
Calculation of Monthly Typical Bill  
Impact on Rate D-10 Default Service Customers

kWh Split				(1)	/	(2)	/	(1) vs (2)	
On-Peak		60.00%							
Off-Peak		40.00%							
Monthly KWh	On-Peak kWh	Off-Peak kWh	Total	Present Rates Default Service	Retail Delivery	Total	Proposed Rates Default Service	Retail Delivery	Overall Increase (Decrease) Amount %
700	420	280	\$88.48	\$46.76	\$41.72	\$87.15	\$46.76	\$40.39	(\$1.33) -1.5%
1,000	600	400	\$123.19	\$66.80	\$56.39	\$121.28	\$66.80	\$54.48	(\$1.91) -1.6%
1,300	780	520	\$157.90	\$86.84	\$71.06	\$155.40	\$86.84	\$68.56	(\$2.50) -1.6%
1,600	960	640	\$192.62	\$106.88	\$85.74	\$189.54	\$106.88	\$82.66	(\$3.08) -1.6%
1,900	1,140	760	\$227.34	\$126.92	\$100.42	\$223.68	\$126.92	\$96.76	(\$3.66) -1.6%

Proposed Rates

Present Rates

Customer Charge		\$7.47				\$7.50
Distribution Charge						
On Peak kWh	kWh x	\$0.04926				\$0.04741
Off Peak kWh	kWh x	\$0.00180				(\$0.00028)
Storm Adjustment Factor	kWh x	\$0.00040				\$0.00040
Transmission Charge	kWh x	\$0.01418				\$0.01418
Stranded Cost Charge	kWh x	\$0.00021				\$0.00021
System Benefits Charge	kWh x	\$0.00330				\$0.00330
Electricity Consumption Tax	kWh x	\$0.00055				\$0.00055

Supplier Services

Default Service	kWh x	\$0.06680				\$0.06680
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Granite State Electric Company  
Proposed July 1, 2011 Default Service Rates  
Calculation of Monthly Typical Bill  
Impact on Rate G-3 Default Service Customers

## Hours Use

Monthly kWh	(1) ----- / -----		(2) ----- / -----		(1) vs (2)
	Total	Present Rates Default Service	Retail Delivery	Proposed Rates Default Service	Total
600	\$77.69	\$40.08	\$37.61	\$40.08	\$36.47
800	\$101.76	\$53.44	\$48.32	\$53.44	\$46.79
1,200	\$149.88	\$80.16	\$69.72	\$80.16	\$67.43
1,500	\$185.99	\$100.20	\$85.79	\$100.20	\$82.91
2,000	\$246.13	\$133.60	\$112.53	\$133.60	\$108.69
					Overall Increase (Decrease) Amount
					(\$1.14)
					(\$1.53)
					(\$2.29)
					(\$2.88)
					(\$3.84)
					-1.5%
					-1.5%
					-1.5%
					-1.5%
					-1.6%

Proposed Rates

Customer Charge		\$5.51
Distribution Charge	kWh x	\$0.03247
Storm Adjustment Factor	kWh x	\$0.00040
Transmission Charge	kWh x	\$0.01659
Stranded Cost Charge	kWh x	\$0.00020
System Benefits Charge	kWh x	\$0.00330
Electricity Consumption Tax	kWh x	\$0.00055

Present Rates

Customer Charge		\$5.51
Distribution Charge	kWh x	\$0.03247
Storm Adjustment Factor	kWh x	\$0.00040
Transmission Charge	kWh x	\$0.01659
Stranded Cost Charge	kWh x	\$0.00020
System Benefits Charge	kWh x	\$0.00330
Electricity Consumption Tax	kWh x	\$0.00055

Supplier Services

Default Service	kWh x	\$0.06680
		\$0.06680

### Proposed Rates

### Present Rates

<u>Supplier Services</u>		
Default Service	kWh x	\$0.06680
		\$0.06680

Default Service	kWh x	\$0.06680	\$0.06680
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Hours Use	kWh Split			/-----/ /-----/ (1) (2) -----/ (1) vs (2)						
	250 On-Peak	60.00%	40.00%							
kW	Monthly kWh	On-Peak kWh	Off-Peak kWh	Present Rates		Proposed Rates		Overall Increase (Decrease) Amount %		
				Total	Default Service	Retail Delivery	Total		Default Service	Retail Delivery
200	50,000	30,000	20,000	\$5,343.69	\$3,329.50	\$2,014.19	\$5,244.15	\$3,329.50	\$1,914.65	(\$99.54) -1.9%
300	75,000	45,000	30,000	\$7,969.04	\$4,994.25	\$2,974.79	\$7,819.50	\$4,994.25	\$2,825.25	(\$149.54) -1.9%
400	100,000	60,000	40,000	\$10,594.39	\$6,659.00	\$3,935.39	\$10,394.85	\$6,659.00	\$3,735.85	(\$199.54) -1.9%
500	125,000	75,000	50,000	\$13,219.74	\$8,323.75	\$4,895.99	\$12,970.20	\$8,323.75	\$4,646.45	(\$249.54) -1.9%
1,000	250,000	150,000	100,000	\$26,346.49	\$16,647.50	\$9,698.99	\$25,846.95	\$16,647.50	\$9,199.45	(\$499.54) -1.9%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$92.99	\$93.45
Distribution Charge		
On Peak kWh	kWh x \$0.00322	\$0.00114
Off Peak kWh	kWh x \$0.00188	(\$0.00020)
Distribution Demand Charge	kW x \$4.06	\$4.08
Storm Adjustment Factor	kWh x \$0.00040	\$0.00040
Transmission Charge	kWh x \$0.01505	\$0.01505
Stranded Cost Charge	kWh x \$0.00020	\$0.00020
System Benefits Charge	kWh x \$0.00330	\$0.00330
Electricity Consumption Tax	kWh x \$0.00055	\$0.00055
<u>Supplier Services</u>		
Default Service	kWh x \$0.06659	\$0.06659

Hours Use	kWh Split	
350	On-Peak	50.00%
	Off-Peak	50.00%

kW	Monthly kWh	On-Peak kWh		Off-Peak kWh		/-----/ (1)		/-----/ (2)		/-----/ (1) vs (2)	
		On-Peak kWh	Off-Peak kWh	Total	Present Rates Default Service	Retail Delivery	Total	Proposed Rates Default Service	Retail Delivery	Overall Increase (Decrease) Amount %	
200	70,000	35,000	35,000	\$7,109.79	\$4,661.30	\$2,448.49	\$6,968.65	\$4,661.30	\$2,307.35	(\$141.14)	-2.0%
300	105,000	52,500	52,500	\$10,618.19	\$6,991.95	\$3,626.24	\$10,406.25	\$6,991.95	\$3,414.30	(\$211.94)	-2.0%
400	140,000	70,000	70,000	\$14,126.59	\$9,322.60	\$4,803.99	\$13,843.85	\$9,322.60	\$4,521.25	(\$282.74)	-2.0%
500	175,000	87,500	87,500	\$17,634.99	\$11,653.25	\$5,981.74	\$17,281.45	\$11,653.25	\$5,628.20	(\$353.54)	-2.0%
1,000	350,000	175,000	175,000	\$35,176.99	\$23,306.50	\$11,870.49	\$34,469.45	\$23,306.50	\$11,162.95	(\$707.54)	-2.0%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge		\$92.99
Distribution Charge		
On Peak kWh	kWh x	\$0.00322
Off Peak kWh	kWh x	\$0.00188
Distribution Demand Charge	kW x	\$4.06
Storm Adjustment Factor	kWh x	\$0.00040
Transmission Charge	kWh x	\$0.01505
Stranded Cost Charge	kWh x	\$0.00020
System Benefits Charge	kWh x	\$0.00330
Electricity Consumption Tax	kWh x	\$0.00055
<u>Supplier Services</u>		
Default Service	kWh x	\$0.06659
		\$0.06659

Granite State Electric Company  
Proposed July 1, 2011 Default Service Rates  
Calculation of Monthly Typical Bill  
Impact on Rate G-1 Default Service Customers

Hours Use	kWh Split			(1) ----- / -----		(2) ----- / -----		(1) vs (2)		
	450 On-Peak	45.00%	Off-Peak	55.00%						
kW	Monthly kWh	On-Peak kWh	Off-Peak kWh	Present Rates Default Service		Retail Delivery	Proposed Rates Default Service		Retail Delivery	Overall Increase (Decrease) Amount %
200	90,000	40,500	49,500	\$8,876.56	\$5,993.10	\$2,883.46	\$8,693.82	\$5,993.10	\$2,700.72	(\$182.74) -2.1%
300	135,000	60,750	74,250	\$13,268.35	\$8,989.65	\$4,278.70	\$12,994.01	\$8,989.65	\$4,004.36	(\$274.34) -2.1%
400	180,000	81,000	99,000	\$17,660.13	\$11,986.20	\$5,673.93	\$17,294.19	\$11,986.20	\$5,307.99	(\$365.94) -2.1%
500	225,000	101,250	123,750	\$22,051.92	\$14,982.75	\$7,069.17	\$21,594.38	\$14,982.75	\$6,611.63	(\$457.54) -2.1%
1,000	450,000	202,500	247,500	\$44,010.84	\$29,965.50	\$14,045.34	\$43,095.30	\$29,965.50	\$13,129.80	(\$915.54) -2.1%

Proposed Rates

Present Rates

Customer Charge							\$93.45	
Distribution Charge								
On Peak kWh				kWh x			\$0.00114	
Off Peak kWh				kWh x			(\$0.00020)	
Distribution Demand Charge				kW x			\$4.08	
Storm Adjustment Factor				kWh x			\$0.00040	
Transmission Charge				kWh x			\$0.01505	
Stranded Cost Charge				kWh x			\$0.00020	
System Benefits Charge				kWh x			\$0.00330	
Electricity Consumption Tax				kWh x			\$0.00055	
<u>Supplier Services</u>								
Default Service				kWh x			\$0.06659	

Hours Use	kWh Split		(1)			(2)			(1) vs (2)		
	450 On-Peak	40.00% Off-Peak	Total	Present Rates Default Service	Retail Delivery	Total	Proposed Rates Default Service	Retail Delivery			
kW	Monthly kWh	On-Peak kWh	Off-Peak kWh	Present Rates			Proposed Rates			Overall Increase (Decrease)	
				Total	Default Service	Retail Delivery	Total	Default Service	Retail Delivery	Amount %	
	200	90,000	36,000	54,000	\$8,870.53	\$5,993.10	\$2,877.43	\$8,687.79	\$5,993.10	\$2,694.69	(\$182.74) -2.1%
	300	135,000	54,000	81,000	\$13,259.30	\$8,989.65	\$4,269.65	\$12,984.96	\$8,989.65	\$3,995.31	(\$274.34) -2.1%
	400	180,000	72,000	108,000	\$17,648.07	\$11,986.20	\$5,661.87	\$17,282.13	\$11,986.20	\$5,295.93	(\$365.94) -2.1%
	500	225,000	90,000	135,000	\$22,036.84	\$14,982.75	\$7,054.09	\$21,579.30	\$14,982.75	\$6,596.55	(\$457.54) -2.1%
1,000	450,000	180,000	270,000	\$43,980.69	\$29,965.50	\$14,015.19	\$43,065.15	\$29,965.50	\$13,099.65	(\$915.54) -2.1%	

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge		\$92.99
Distribution Charge		
On Peak kWh	kWh x	\$0.00322
Off Peak kWh	kWh x	\$0.00188
Distribution Demand Charge	kW x	\$4.06
Storm Adjustment Factor	kWh x	\$0.00040
Transmission Charge	kWh x	\$0.01505
Stranded Cost Charge	kWh x	\$0.00020
System Benefits Charge	kWh x	\$0.00330
Electricity Consumption Tax	kWh x	\$0.00055
<u>Supplier Services</u>		
Default Service	kWh x	\$0.06659

## Hours Use 200

kW	Monthly kWh	(1) / ----- /			(2) ----- /			(1) vs (2)
		Total	Present Rates Default Service	Retail Delivery	Total	Proposed Rates Default Service	Retail Delivery	
20	4,000	\$473.13	\$266.36	\$206.77	\$465.33	\$266.36	\$198.97	Overall Increase (Decrease) Amount % (\$7.80) -1.6%
50	10,000	\$1,145.49	\$665.90	\$479.59	\$1,125.81	\$665.90	\$459.91	-1.7%
75	15,000	\$1,705.79	\$998.85	\$706.94	\$1,676.21	\$998.85	\$677.36	-1.7%
100	20,000	\$2,266.09	\$1,331.80	\$934.29	\$2,226.61	\$1,331.80	\$894.81	-1.7%
150	30,000	\$3,386.69	\$1,997.70	\$1,388.99	\$3,327.41	\$1,997.70	\$1,329.71	Overall Increase (Decrease) Amount % (\$59.28) -1.8%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$24.89	\$25.01
Distribution Charge	\$0.00219	\$0.00011
Distribution Demand Charge	\$4.48	\$4.50
Storm Adjustment Factor	\$0.00040	\$0.00040
Transmission Charge	\$0.01643	\$0.01643
Stranded Cost Charge	\$0.00020	\$0.00020
System Benefits Charge	\$0.00330	\$0.00330
Electricity Consumption Tax	\$0.00055	\$0.00055
<u>Supplier Services</u>		
Default Service	\$0.06659	\$0.06659



Granite State Electric Company  
Proposed July 1, 2011 Default Service Rates  
Calculation of Monthly Typical Bill  
Impact on Rate G-2 Default Service Customers

Hours Use		250											
		/-----/		(1)		/-----/		(2)		/-----/		(1) vs (2)	
kW	Monthly kWh	Present Rates		Retail Delivery		Proposed Rates		Retail Delivery		Overall Increase (Decrease)			
		Total	Default Service	Total	Default Service	Total	Default Service	Total	Default Service	Amount	%		
20	5,000	\$562.79	\$332.95	\$229.84	\$552.91	\$332.95	\$219.96	(\$9.88)	-1.8%				
50	12,500	\$1,369.66	\$832.38	\$537.28	\$1,344.78	\$832.38	\$512.40	(\$24.88)	-1.8%				
75	18,750	\$2,042.01	\$1,248.56	\$793.45	\$2,004.63	\$1,248.56	\$756.07	(\$37.38)	-1.8%				
100	25,000	\$2,714.39	\$1,664.75	\$1,049.64	\$2,664.51	\$1,664.75	\$999.76	(\$49.88)	-1.8%				
150	37,500	\$4,059.16	\$2,497.13	\$1,562.03	\$3,984.28	\$2,497.13	\$1,487.15	(\$74.88)	-1.8%				

Present Rates

Customer Charge		\$24.89
Distribution Charge	kWh x	\$0.00219
Distribution Demand Charge	kW x	\$4.48
Storm Adjustment Factor	kWh x	\$0.00040
Transmission Charge	kWh x	\$0.01643
Stranded Cost Charge	kWh x	\$0.00020
System Benefits Charge	kWh x	\$0.00330
Electricity Consumption Tax	kWh x	\$0.00055

Proposed Rates

Customer Charge		\$25.01
Distribution Charge	kWh x	\$0.00011
Distribution Demand Charge	kW x	\$4.50
Storm Adjustment Factor	kWh x	\$0.00040
Transmission Charge	kWh x	\$0.01643
Stranded Cost Charge	kWh x	\$0.00020
System Benefits Charge	kWh x	\$0.00330
Electricity Consumption Tax	kWh x	\$0.00055

Supplier Services

Default Service	kWh x	\$0.06659
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**Proposed Rates**

### Default Service

\$0.06659

Hours Use		300		(1)		(2)		(1) vs (2)	
kW	Monthly kWh	Present Rates		Proposed Rates		Overall Increase (Decrease) Amount	%		
		Total	Default Service	Retail Delivery	Total				
20	6,000	\$652.45	\$399.54	\$252.91	\$640.49	\$399.54	\$240.95	(\$11.96)	-1.8%
50	15,000	\$1,593.79	\$998.85	\$594.94	\$1,563.71	\$998.85	\$564.86	(\$30.08)	-1.9%
75	22,500	\$2,378.26	\$1,498.28	\$879.98	\$2,333.08	\$1,498.28	\$834.80	(\$45.18)	-1.9%
100	30,000	\$3,162.69	\$1,997.70	\$1,164.99	\$3,102.41	\$1,997.70	\$1,104.71	(\$60.28)	-1.9%
150	45,000	\$4,731.59	\$2,996.55	\$1,735.04	\$4,641.11	\$2,996.55	\$1,644.56	(\$90.48)	-1.9%



Granite State Electric Company  
d/b/a National Grid  
Docket No. DE 11-\_\_  
Witness: D.E. Tufts

**Schedule DET-5**  
**Revised Tariff Pages**

<u>Revised Page</u>	<u>Superseded Page Rate</u>	<u>Schedule</u>
Tenth Revised Page 35	Superseding Ninth Revised Page 35	Rate D
Sixth Revised Page 36	Superseding Fifth Revised Page 36	Rate D
Seventh Revised Page 37	Superseding Sixth Revised Page 37	Rate D
Twelfth Revised Page 39	Superseding Eleventh Revised Page 39	Rate D
Tenth Revised Page 40	Superseding Ninth Revised Page 40	Rate D-10
Tenth Revised Page 43	Superseding Ninth Revised Page 43	Rate D-10
Sixth Revised Page 44	Superseding Fifth Revised Page 44	Rate G-1
Eleventh Revised Page 45	Superseding Tenth Revised Page 45	Rate G-1
Sixth Revised Page 50	Superseding Fifth Revised Page 50	Rate G-2
Seventh Revised Page 55	Superseding Sixth Revised Page 55	Rate G-3
Tenth Revised Page 57	Superseding Ninth Revised Page 57	Rate G-3
Seventh Revised Page 59	Superseding Sixth Revised Page 59	Rate M
Eighth Revised Page 60	Superseding Seventh Revised Page 60	Rate M
Seventh Revised Page 66	Superseding Sixth Revised Page 66	Rate T
Tenth Revised Page 68	Superseding Ninth Revised Page 68	Rate T
Sixth Revised Page 70	Superseding Fifth Revised Page 70	Rate V
Tenth Revised Page 72	Superseding Ninth Revised Page 72	Rate V

## DOMESTIC SERVICE RATE D

### AVAILABILITY

Retail Delivery Service under this rate is available for all domestic purposes in an individual private dwelling or an individual apartment and for farm purposes. If electricity is delivered through more than one meter, the charge for electricity delivered through each meter shall be computed separately under this rate.

### CHARACTER OF SERVICE

Service supplied under this rate will be single phase, 60 cycle, alternating current, normally three-wire service at a nominal voltage of 120/240 volts or three-wire 120/208 volts, whichever is available at the location.

### RATE PER MONTH

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff:

#### Rates for Retail Delivery Service

##### Customer Charge

~~\$4.35~~\$4.37 per month

##### Distribution Energy Charges

###### Regular Use

~~1.64~~1.649 cents per kilowatt-hour for the first 250 kilowatt-hours

~~4.275~~4.296 cents per kilowatt-hour for the excess of 250 kilowatt-hours

For customers who received service under the off-peak provisions of the Domestic Service Rate D prior to April 1, 1991, the following rates shall apply:

##### Off-Peak Use: 16 Hour Control

For all electricity separately metered and delivered between the hours of 11:00 p.m. on each day and 7:00 a.m. on the next day, the price of such electricity shall be:

~~1.570~~1.577 cents per kilowatt-hour if a Customer has installed an electric water heater of a type approved by the Company, and electricity delivered to such water heater is supplied only under this rate.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2010~~July 1, 2011

Thomas B. King  
Title: President

(Issued in Compliance with Order No. ~~25,126~~ in Docket DE ~~10-140~~ dated ~~June 30, 2010~~)

Off-Peak Use: 6 Hour Control

For all electricity separately metered and subject to the Company's right to limit the operation of the bottom water heating element up to 6 hours a day, the price of such electricity shall be:

~~1.641~~1.649 cents per kilowatt-hour if a Customer has installed an electric water heater of a type approved by the Company, and electricity delivered to such water heater is supplied only under this rate.

Farm use

The availability of the Farm Use Section is limited to those locations which were served under the Farm Use Section of Domestic Rate D, N.H.P.U.C. No. 8 - Electricity immediately prior to the effective date of this rate. For such farm customers, where all electricity is supplied by the Company, the RATE PER MONTH is modified as follows:

~~2.553~~2.565 cents per kilowatt-hour for all Regular Use kilowatt-hours in excess of the greater of the following:

- (a) 500 kilowatt-hours
- (b) 100 kilowatt-hours per kilovolt-ampere of transformer capacity needed to serve the Customer

APPROVED TYPES OF WATER HEATERS FOR USE UNDER PROVISIONS OF  
OFF-PEAK USE CLAUSE OF DOMESTIC RATE D

The specifications for an approved type of water heater for all domestic applications are as follows:

- (1) It shall be of standard manufacture and have a capacity and corresponding heating elements as specified below:

Approx. <u>Tank Size</u> <u>Gallons</u>	Rating <u>Top Unit</u> <u>Watts</u>	Rating <u>Bottom Unit</u> <u>Watts</u>
80*	4500	3000
100 to 120	4500	4500
150	5000	5000

\*Water heaters of less than 80 gallons with top and bottom heating elements of not more than 4500 watts each may be installed at the Company's option, with the permission of the Regional Executive.

- (2) It shall be equipped with a top and bottom heating element, each controlled by a separate thermostatic switch. The thermostatic switch for the top element shall be of a double-throw type so connected as to

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~July 1, 2010

Title: Thomas B. King  
President

(Issued in Compliance with Order No. ~~25,126~~ in Docket DE ~~10-140~~ dated ~~June 30, 2010~~)

permit operation of only one heating element at a time. The thermostat for the bottom element shall be of single-pole, single-throw type. The top and bottom units shall be designed for nominal 240-volt operation.

- (3) It shall have a pressure rating of not less than 250 pounds-per-square-inch test.
- (4) It shall be equipped as purchased with an approved fuel cut-off type temperature limit switch having its temperature sensitive element in contact with tank surface within 12 inches of top and so connected as to completely disconnect the heating elements from the power supply.
- (5) The thermostats for the top and the bottom heating units shall have a range of temperature settings extending from 120 degrees to 170 degrees Fahrenheit with the bottom element setting maintaining approximately a 10-degree differential above the setting of the top element.
- (6) The water heater and the installation thereof shall conform to the National Electric Code, to any State of local requirements, and to those of the Company.

The Customer shall provide a separate circuit for the water heater, of ample capacity and designed for 240-volt operation, to which no equipment other than the water heater shall be connected. Specific water heating connection diagrams for each type of service and rate application are available from the Company.

#### INTERRUPTIBLE CREDITS

The Company will provide, own and maintain a suitable switch designed to control the operation of selected appliances so that the appliance may operate only during the hours chosen by the Company.

If the Customer has installed an electric water heater of a type approved by the Company, and permits the Company to control the operation of the water heater for the specified number of hours per day and during emergency situations, the Customer will receive the following credit each month:

	<u>Control hrs./day</u>	<u>Credit</u>
IC-1	6	<del>\$4.844</del> .86
IC-2	16	<del>\$6.476</del> .50

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ ~~July 1, 2010~~

Title: Thomas B. King  
President

(Issued in Compliance with Order No. ~~25,126~~ \_\_\_\_\_ in Docket DE ~~10-140~~ \_\_\_\_\_ dated ~~June 30, 2010~~ \_\_\_\_\_)



## ELECTRIC ASSISTANCE PROGRAM

Eligible customers taking service under this rate will receive a discount as provided on Page 86 of this Tariff of which this rate is a part. Eligibility shall be determined in accordance with the Electric Assistance Program Provision on Page 86 of this Tariff. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

## SYSTEM BENEFITS CHARGE ADJUSTMENT PROVISION

Customers taking service under this rate will be charged a System Benefits Charge as provided on Page 77 of the Tariff of which this rate is a part. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

## MINIMUM CHARGE

~~\$4.354.37~~ per month Customer Charge.

## BIMONTHLY BILLING

The Company reserves the right to read meters and render bills on a bimonthly basis. When bills are rendered bimonthly, the Customer Charge, the kilowatt-hours stated in each block and the Minimum Charge shall be multiplied by two.

## TERMS OF PAYMENT

The above rate is net, billed monthly or bimonthly and payable upon presentation of the bill.

## TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King  
Thomas B. King

Effective: ~~July 1, 2011~~ ~~July 1, 2010~~

Title: President

(Issued in Compliance with Order No. ~~25,126~~ in Docket DE ~~10-140~~ dated ~~June 30, 2010~~)

DOMESTIC SERVICE RATE D-10  
OPTIONAL PEAK LOAD PRICING RATE

AVAILABILITY

Retail Delivery Service under this rate is available for all domestic purposes in an individual private dwelling or an individual apartment and for farm purposes to selected customers presently served under Rate D.

If electricity is delivered through more than one meter, the charge for electricity delivered through each meter shall be computed separately under this rate. The availability of this rate will be subject to the Company's ability to obtain the necessary meters and to render such service.

CHARACTER OF SERVICE

Service supplied under this rate will be single phase, 60 cycle, alternating current, normally three-wire service at a nominal voltage of 120/240 volts or three-wire 120/208 volts, whichever is available at the location.

RATE PER MONTH

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service

Customer Charge

~~\$7.477.50~~ month

Distribution Energy Charges

On-Peak ~~4.7464.769~~ cents per kilowatt-hour

Off-Peak 0.000 cents per kilowatt-hour

Peak hours will be from 8:00 a.m. to 9:00 p.m. daily on Monday through Friday excluding holidays.

Off-Peak hours will be from 9:00 p.m. to 8:00 a.m. daily Monday through Friday, and all day on Saturdays, Sundays, and holidays.

The holidays will be: New Year's Day, President's Day, Memorial Day, Independence Day, Columbus Day, Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day. All holidays will be the nationally observed day.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ ~~July 1, 2010~~

Title: Thomas B. King  
President

(Issued in Compliance with Order No. ~~25,126~~ in Docket DE ~~10-140~~ dated ~~June 30, 2010~~)

## ELECTRIC ASSISTANCE PROGRAM

Eligible customers taking service under this rate will receive a discount as provided on Page 86 of this Tariff of which this rate is a part. Eligibility shall be determined in accordance with the Electric Assistance Program Provision on Page 86 of this Tariff. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

## SYSTEM BENEFITS CHARGE ADJUSTMENT PROVISION

Customers taking service under this rate will be charged a System Benefits Charge as provided on Page 77 of the Tariff of which this rate is a part. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

## MINIMUM CHARGE

~~\$7,477.50~~ per month Customer Charge

## TERMS OF PAYMENT

The above rate is net, billed monthly or bimonthly and payable upon presentation of the bill.

## TERMS OF AGREEMENT

The agreement for service under this rate will continue for an initial term of one year if electricity can be properly delivered to a Customer without an uneconomic expenditure by the Company. The agreement may be terminated at any time on or after the expiration date of the initial term by twelve (12) months prior written notice.

## TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ ~~July 1, 2010~~

Thomas B. King  
Title: President

(Issued in Compliance with Order No. ~~25,126~~ in Docket DE ~~10-140~~ dated ~~June 30, 2010~~)

## GENERAL SERVICE TIME-OF-USE RATE G-1

### AVAILABILITY

Retail Delivery Service under this rate is available for all purposes except resale, subject to the provisions of this section. A Customer will take delivery service on this rate if the Company estimates that its average use will be greater than or equal to 200 kW of Demand.

A Customer may be transferred from rate G-1 at its request or at the option of the Company if the customer's 12 month average monthly demand is less than 180 kW of Demand for 3 consecutive months.

If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate. If any electricity is delivered hereunder at a given location, then all electricity delivered by the Company at such location shall be furnished hereunder, except such electricity as may be delivered under the provisions of the Limited Commercial Space Heating Rate V.

The actual delivery of service and the rendering of bills under this rate is contingent upon the installation of the necessary time-of-use metering equipment by the Company; subject to both the availability of such meters from the Company's supplier and the conversion or installation procedures established by the Company.

All customers served on this rate must elect to take their total electric service under the time-of-use metering installation as approved by the Company. If delivery is through more than one meter, except at the Company's option, the Monthly Charge for service through each meter shall be computed separately under this rate.

### CHARACTER OF SERVICE

Service supplied under this rate will be 60 cycle, three-phase alternating current normally at a nominal voltage of 120/208, 277/480, 2400, 4160, 4800, 7200, 13,200 and 13,800 volts.

All voltages are not available in every area.

### RATE PER MONTH

The Rate Per Month will be the sum of the applicable Customer, Demand and Energy Charges subject to the adjustments in this tariff.

#### Rates for Retail Delivery Service

##### Customer Charge

~~\$92.99~~ 93.45 per month.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ July 1, 2010

Thomas B. King  
Title: President

(Issued in Compliance with Order No. ~~25,126~~ \_\_\_\_\_ in Docket No. DE ~~10-140~~ \_\_\_\_\_ dated ~~June 30, 2010~~ \_\_\_\_\_)

Distribution Demand Charge

~~\$4.06~~4.08 per kW of Peak Hours Demand per Month

Distribution Energy Charges

Peak Hours Use                    0.134 cents per Kilowatt-hour

Off-Peak Hours Use            0.000 cents per Kilowatt-hour

Peak hours will be from 8:00 a.m. to 9:00 p.m. daily on Monday through Friday excluding holidays.

Off-Peak hours will be from 9:00 p.m. to 8:00 a.m. daily Monday through Friday, and all day on Saturdays, Sundays, and holidays.

The holidays will be: New Year's Day, President's Day, Memorial Day, Independence Day, Columbus Day, Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day. All holidays will be the nationally observed day.

TRANSMISSION SERVICE COST ADJUSTMENT

Transmission service is available to all retail Customers taking service under this rate. For those Customers, the Transmission Energy Charge shall be calculated in accordance with the Company's Transmission Service Cost Adjustment Provision as provided on Page 79 of the Tariff of which this rate is a part. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

STRANDED COST ADJUSTMENT

All energy billed under this rate is subject to a Stranded Cost Energy Charge which rate shall be adjusted from time to time in accordance with the Company's Stranded Cost Adjustment Provision as provided on Page 80 of the Tariff of which this rate is a part. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~July 1, 2010

Thomas B. King  
Title: President

(Issued in Compliance with Order No. ~~25,126~~ \_\_\_\_\_ in Docket No. DE ~~10-140~~ \_\_\_\_\_ dated ~~June 30, 2010~~ \_\_\_\_\_)

## GENERAL LONG HOUR SERVICE RATE G-2

### AVAILABILITY

Retail Delivery Service under this rate is available for all purposes except resale, subject to the provisions of this section. A Customer will take delivery service on this rate if the Company estimates that its average use will be greater than or equal to 20 kW of Demand but is less than 200 kW of Demand. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate.

A customer may be transferred from rate G-2 at its request or at the option of the Company if the customer's twelve (12) month average monthly demand is less than 18 kW of demand for three consecutive months.

If any electricity is delivered hereunder at a given location, then all electricity delivered by the Company at such location shall be furnished hereunder, except such electricity as may be delivered under the provisions of the Limited Commercial Space Heating Rate V.

### CHARACTER OF SERVICE

Service supplied under this rate will be 60 cycle, three-phase alternating current normally at a nominal voltage of 120/208, 277/480, 2400, 4160, 4800, 7200, 13,200 and 13,800 volts.

All voltages are not available in every area.

### RATE PER MONTH

The Rate Per Month will be the sum of the applicable Customer, Demand and Energy Charges subject to the adjustments in this tariff.

#### Rates for Retail Delivery Service

##### Customer Charge

~~\$24.89~~25.01 per month.

##### Distribution Demand Charge

~~\$4.48~~4.50 per kilowatt of Demand per Month

##### Distribution Energy Charge

0.031 cents per kilowatt-hour

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~July 1, 2010

Thomas B. King  
Title: President

(Issued in Compliance with Order No. ~~25,126~~ in Docket DE ~~10-140~~ dated ~~June 30, 2010~~)

### GENERAL SERVICE RATE G-3

#### AVAILABILITY

Retail Delivery Service under this rate is available for all purposes except for resale. A Customer will take delivery service on this rate if the Company estimates that its average use will be less than 20 kW of demand. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate.

#### CHARACTER OF SERVICE

Service supplied under this rate will be 60 cycle, alternating current either:

- (a) Single-phase normally three-wire at a nominal voltage of 120/240 volts.
- (b) Three-phase secondary normally at a nominal voltage of 120/208, or 277/480 volts.
- (c) Three-phase primary normally at a nominal voltage of 2400, 4160, 4800, 7200, 13,200 or 13,800 volts.

All voltages are not available in every area.

#### RATE PER MONTH

The rate per month will be the sum of the Customer and Energy Charges subject to the adjustments in this tariff:

##### Rates for Retail Delivery Service

###### Customer Charge

~~\$5.545.53~~ per month.

###### Distribution Energy Charge

~~3.0763.091~~ cents per kilowatt-hour.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ ~~July 1, 2010~~

Title: Thomas B. King  
President

(Issued in Compliance with Order No. ~~25,126~~ in Docket DE ~~10-140~~ dated ~~June 30, 2010~~)

## SYSTEM BENEFITS CHARGE ADJUSTMENT PROVISION

Customers taking service under this rate will be charged a System Benefits Charge as provided on Page 77 of the Tariff of which this rate is a part. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

## MINIMUM CHARGE

~~\$5.51~~ \$5.53 per Month Customer Charge

However, if the KVA transformer capacity needed to serve a customer exceeds 25 KVA, the minimum charge will be increased by \$1.62 for each KVA in excess of 25 KVA.

## BIMONTHLY BILLING

The Company reserves the right to read meters and render bills on a bimonthly basis. When bills are rendered bimonthly, the Customer Charge and the Minimum Charge shall be multiplied by two.

## TERMS OF PAYMENT

The above rate is net, billed monthly or bimonthly and payable upon presentation of the bill.

## TERM OF AGREEMENT

A Customer served under this rate must provide the Company with one-year prior written notice before installing additional on-site, non-emergency generation for its own use. This notice provision shall be waived with respect to the installation of on-site non-emergency generation from renewable energy resources. Renewable energy resources shall mean fuel cells (including natural gas powered fuel cells), and emerging power generation technologies that produce electricity from wind energy, solar energy, small-scale hydro power, ocean power, landfill gas, sustainably managed biomass, and future clean renewable technologies.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ July 1, 2010

Thomas B. King  
Title: President

(Issued in Compliance with Order No. ~~25,126~~ \_\_\_\_\_ in Docket DE ~~10-140~~ \_\_\_\_\_ dated ~~June 30, 2010~~ \_\_\_\_\_)



## OUTDOOR LIGHTING SERVICE RATE M

### AVAILABILITY

#### Public Lighting

Available for Street or Highways and areas within the public domain for customers designated as governmental entities, inclusive of the state, municipalities, or other public authorities.

Installations on limited access highways, tunnels, bridges and the access and egress ramps thereto are subject to the Special Rate Conditions of this tariff.

#### Private Lighting

Available to private customers for outdoor lighting of areas on private property where necessary fixtures can be supported on existing poles and where such service can be supplied from existing secondary distribution facilities.

In special circumstances outlined in the pole and accessory section below, the Company will install a wooden pole.

#### Lighting Services

Service under this rate is for full-night service street lighting whereby the luminaire operates for the entire night time period pursuant to the Hours of Operation provision below. In addition, customers may, at their option, take advantage of part-night service in which the luminaire operates for a portion of the night pursuant to the Hours of Operation provision below. Customers may select the part-night service option at the time of lighting installation or at any time during service. Any request to select the part-time night service option must be made in writing.

### RATE

#### Luminaire Charge

<u>Size of Street Light Lumens</u>	<u>Lamp Wattage</u>	<u>Description</u>	<u>Annual Distribution Price Per Unit</u>
<u>Sodium Vapor</u>			
4,000	50	LUM HPS RWY 50W	<del>\$50.58</del> 50.83
9,600	100	LUM HPS RWY 100W	<del>\$61.32</del> 61.62
27,500	250	LUM HPS RWY 250W	<del>\$107.67</del> 108.20
50,000	400	LUM HPS RWY 400W	<del>\$140.29</del> 140.99
9,600(Post Top)	100	LUM HPS POST 100W	<del>\$70.62</del> 70.97
27,500(Flood)	250	LUM HPS FLD 250W	<del>\$108.63</del> 109.17
50,000(Flood)	400	LUM HPS FLD 400W	<del>\$149.96</del> 150.70

#### Incandescent

1,000	103	LUM INC RWY 103W	<del>\$67.52</del> 67.85
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Issued: ~~April 1, 2011~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ May 1, 2011

Thomas B. King  
Title: President

(Issued in Compliance with Order No. 25,205 in Docket DE 10-326 dated March 21, 2011)

<u>Size of Street Light Lumens</u>	<u>Lamp Wattage</u>	<u>Description</u>	<u>Annual Distribution Price Per Unit</u>
<u>Mercury Vapor</u>			
4,000	100	LUM MV RWY 100W	<del>\$48.87</del> <u>49.11</u>
8,000	175	LUM MV RWY 175W	<del>\$59.42</del> <u>59.71</u>
22,000	400	LUM MV RWY 400W	<del>\$112.38</del> <u>112.94</u>
63,000	1,000	LUM MV RWY 1000W	<del>\$213.22</del> <u>214.28</u>
22,000(Flood)	400	LUM MV FLD 400W	<del>\$124.28</del> <u>124.90</u>
63,000(Flood)	1,000	LUM MV FLD 1000W	<del>\$214.61</del> <u>215.68</u>

No further installation or relocation of Incandescent and Mercury Vapor lights will be made after the effective date of this rate, unless specific permission is received from the Commission's Chief Engineer.

#### POLE AND ACCESSORY CHARGE

An additional annual charge enumerated below will be applied where the Company is requested to furnish a suitable wood pole for the sole purpose of supporting a luminaire. If at a future date the pole is used for any purpose approved by the Company in addition to supporting a street and/or floodlight luminaire, the pole charge will be terminated. This pole may not be more than one (1) span from the existing secondary service located along a roadway or thoroughfare, and must be reachable for mechanized equipment.

<u>Overhead Service</u>	<u>Description</u>	<u>Annual Price Per Unit</u>
Wood Poles	POLE – WOOD	<del>\$59.60</del> <u>59.89</u>
<u>Underground Service</u>		
<u>Non-Metallic Standard</u>		
Fiberglass – Direct Embedded	POLE FIBER PT <25FT	<del>\$61.72</del> <u>62.02</u>
Fiberglass with Foundation <25 ft.	POLE FIBER RWY <25FT	<del>\$104.67</del> <u>105.19</u>
Fiberglass with Foundation >=25 ft.	POLE FIBER RWY=>25	<del>\$174.87</del> <u>175.74</u>
<u>Metal Standard</u>		
Metal Poles Poles - Direct Embedded	POLE METAL EMBEDDED	<del>\$124.81</del> <u>125.43</u>
Metal Poles Poles with Foundation	POLE METAL =>25FT	<del>\$150.39</del> <u>151.14</u>

#### OTHER CHARGES

Pursuant to RSA 9-E:4, the Company provides a part-night service that, when requested by a customer, will require the replacement of the photoelectric control that will allow for the operation of the luminaire for a portion of the night. The Company shall assess the customer a Part Night Charge of \$150 for the installation of each photoelectric control that must be replaced in order for part-night service to be operational and for the removal of such photoelectric control upon the customer's request to return to full-night service. For installation or removal of each photoelectric control made during a scheduled maintenance visit or during the installation of a new outdoor lighting service, the Company shall assess the customer a Part Night Charge of \$20 for the installation or removal of each such photoelectric control. The Part Night Charge does not include the cost or fees associated with any work-zone protection, traffic control services and/or permits required to perform the customer requested change, all of which shall be the responsibility of the customer.

Issued: ~~April 1, 2011~~

Issued by: /s/ Thomas B. King  
Thomas B. King

Effective: ~~July 1, 2011~~ May 1, 2011

Title: President

(Issued in Compliance with Order No. 25,205 in Docket DE 10-326 dated March 21, 2011)

## RATE PER MONTH

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff.

### Rates for Retail Delivery Service

#### Customer Charge

~~\$5.635.65~~ per Month

#### Distribution Energy Charge

~~2.0092.019~~ cents per kilowatt-hour

## INTERRUPTIBLE CREDITS

The Company will provide, own and maintain a suitable switch designed to control the operation of selected appliances so that the appliance may operate only during the hours chosen by the Company.

If the Customer has installed an electric water heater of a type approved by the Company, and permits the Company to control the operation of the water heater for the specified number of hours per day and during emergency situations, the Customer will receive the following credit each month:

	<u>Control hrs./day</u>	<u>Credit</u>
IC-1	6	<del>\$4.844.86</del>
IC-2	16	<del>\$6.476.50</del>

## TRANSMISSION SERVICE COST ADJUSTMENT

Transmission service is available to all retail Customers taking service under this rate. For those Customers, the Transmission Energy Charge shall be calculated in accordance with the Company's Transmission Service Cost Adjustment Provision as provided on Page 79 of the Tariff of which this rate is a part. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ ~~July 1, 2010~~

Thomas B. King  
Title: President

(Issued in Compliance with Order No. ~~25,126~~ in Docket DE ~~10-140~~ dated ~~June 30, 2010~~)

## ELECTRIC ASSISTANCE PROGRAM

Eligible customers taking service under this rate will receive a discount as provided on Page 86 of this Tariff of which this rate is a part. Eligibility shall be determined in accordance with the Electric Assistance Program Provision on Page 86 of this Tariff. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

## SYSTEM BENEFITS CHARGE ADJUSTMENT PROVISION

Customers taking service under this rate will be charged a System Benefits Charge as provided on Page 77 of the Tariff of which this rate is a part. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

## MINIMUM CHARGE

~~\$5.635.65~~ per Month Customer Charge

## BIMONTHLY BILLING

The Company reserves the right to read meters and render bills on a bimonthly basis. When bills are rendered bimonthly, the Minimum Charge shall be multiplied by two.

## TERMS OF PAYMENT

The above rate is net, billed monthly or bimonthly and payable upon presentation of the bill. However, customers may elect in writing to pay on a Budget Billing Plan available on application to the Company.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ ~~July 1, 2010~~

Thomas B. King  
Title: President

(Issued in Compliance with Order No. ~~25,126~~ in Docket DE ~~10-140~~ dated ~~June 30, 2010~~)

## LIMITED COMMERCIAL SPACE HEATING RATE V

### AVAILABILITY

The availability of this rate is limited to the following customers: 1) those who immediately prior to the effective date of this rate were served under Commercial Space Heating Rate V, N.H.P.U.C. No. 8 - Electricity and are presently receiving service under this rate, and 2) those who requested service under this rate prior to May 1, 1982.

To such customers, delivery service under this Limited Commercial Space Heating Rate V is available for space heating in buildings other than residences, where the Customer's premises are heated exclusively by electricity.

Air conditioning used in addition to electric space heating at this same location may also be served under this rate, provided that electricity is the sole source of energy, and all the requirements for these purposes are metered hereunder.

Electric space heating equipment shall be permanently installed and be of a type and size approved by the Company.

Service under this rate will be metered separately.

Any other use of electricity must be taken under an applicable general service rate.

This rate is not available to seasonal customers, or for resale or auxiliary service.

### CHARACTER OF SERVICE

Service supplied under this rate will be single phase, 60 cycle, alternating current, normally three-wire service at a nominal voltage of 120/240 volts or three-wire 120/208 volts, whichever is available at the location, or other voltages where available by special arrangement with the Company.

### RATE PER MONTH

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff.

#### Rates for Retail Delivery Service

##### Minimum Charge

~~\$5.885.90~~ per Month

##### Distribution Energy Charge

~~2.8382.852~~ cents per kilowatt-hour

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ July 1, 2010

Thomas B. King  
Title: President

(Issued in Compliance with Order No. ~~25,126~~ \_\_\_\_\_ in Docket DE ~~10-140~~ \_\_\_\_\_ dated ~~June 30, 2010~~ \_\_\_\_\_)

## SYSTEM BENEFITS CHARGE ADJUSTMENT PROVISION

Customers taking service under this rate will be charged a System Benefits Charge as provided on Page 77 of the Tariff of which this rate is a part. A summary of energy charges in effect, with all adjustments, is provided on Page 84 of this Tariff.

## MINIMUM CHARGE

~~\$5.885.90~~ per Month Customer Charge

## TERMS OF PAYMENT

The above rate is net, billed monthly and payable upon presentation of the bill. However, customers may elect in writing to pay on a Budget Billing Plan available on application to the Company.

## TERM OF AGREEMENT

A Customer served under this rate must provide the Company with one-year prior written notice before installing additional on-site, non-emergency generation for its own use. This notice provision shall be waived with respect to the installation of on-site non-emergency generation from renewable energy resources. Renewable energy resources shall mean fuel cells (including natural gas powered fuel cells), and emerging power generation technologies that produce electricity from wind energy, solar energy, small-scale hydro power, ocean power, landfill gas, sustainably managed biomass, and future clean renewable technologies.

## TERMS AND CONDITIONS

The Company's Terms and Conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

Issued: ~~July 21, 2010~~

Issued by: /s/ Thomas B. King

Effective: ~~July 1, 2011~~ ~~July 1, 2010~~

Thomas B. King  
Title: President

(Issued in Compliance with Order No. ~~25,126~~ in Docket DE ~~10-140~~ dated ~~June 30, 2010~~)