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RATES AND CHARGES

Service classification G (General)

RATES

Usage Rate:

First 500 M (1000) lbs per month	\$ 15.87 per M lb
All over 500 M lbs up to 2000 M lbs per month	\$ 13.93 per M lb
All over 2000 M lb per month	\$ 11.54 per M lb

Meter Charge:

Meter Size

Type A or B	\$ 10 per month per meter in service
Type C, D, or E	\$ 25 per month per meter in service
Type F, G or Steam Flow	\$ 40 per month per meter in service

Cost of Energy:

Rate effective November 1, 2009 \$ 17.36

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The Company may adjust monthly cost of energy charge within given range to balance annual charges.

Maximum	\$ 23.77/Mlb
Minimum	\$ 15.85/Mlb

Terms:

Bills will be rendered within the first 15 days of each month for service during the previous month, shall be payable upon presentation and shall bear interest at the rate of 1-1/2% per month from the first of the following month on the unpaid balance.

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Effective: November 1, 2009
Authorized by NHPUC Order # _____
In Docket # DG 09- Dated, _____

By _____
Peter G. Bloomfield, President

RATES AND CHARGES

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By _____
Peter G. Bloomfield, President

**Concord Steam Corporation
Cost Of Energy (COE)**

**DG 09 -
Schedule 1
9/10/09**

	Projected Steam Sales Mlbs	Projected Fuel Use MMBtu	\$/Mlb	Steam Revenue Energy	Cost of Energy	Projected Over/Under Collection
Nov-09	17,016	50,776	\$ 17.36	\$ 295,474	\$ 256,425	\$ 39,049
Dec-09	24,744	69,104	17.36	\$ 429,660	\$ 340,218	\$ 89,442
Jan-10	30,612	70,517	17.36	\$ 531,549	\$ 389,330	\$ 142,219
Feb-10	25,744	65,400	17.36	\$ 447,034	\$ 352,236	\$ 94,798
Mar-10	21,361	66,282	17.36	\$ 370,924	\$ 338,539	\$ 32,385
Apr-10	11,169	43,549	17.36	\$ 193,941	\$ 218,023	\$ (24,081)
May-10	4,578	28,090	17.36	\$ 79,502	\$ 139,585	\$ (60,083)
Jun-10	1,683	19,782	17.36	\$ 29,232	\$ 91,780	\$ (62,548)
Jul-10	697	13,859	17.36	\$ 12,103	\$ 63,169	\$ (51,066)
Aug-10	730	14,549	17.36	\$ 12,676	\$ 72,838	\$ (60,162)
Sep-10	1,835	22,404	17.36	\$ 31,861	\$ 106,192	\$ (74,331)
Oct-10	8,549	27,988	17.36	\$ 148,441	\$ 146,348	\$ 2,092
TOTAL	148,718	492,300		2,582,397	\$ 2,514,684	67,714

Under collection from previous year -67,714

Total of Cost of Energy Charge 2,582,397

Energy Charge - \$ per Mlb \$ 17.36

2008/2009 Steam Revenue -Energy 2,937,084

Projected decrease in Energy Revenue vs 08/09 \$ (422,400)

Projected MMBtu's and Cost:

Projected MMBtu's						
	Nat. Gas	Waste	#6 Resid	Waste+ #6	Wood	Total
Nov-09	9670	1,000		1,000	40,106	50,776
Dec-09	10100	2,000		2,000	57,004	69,104
Jan-10	0	3,000	12,500	15,500	55,017	70,517
Feb-10	0	2,600	10,200	12,800	52,600	65,400
Mar-10	11000	1,000	1,000	1,000	54,282	66,282
Apr-10	5900	1,000	1,000	2,000	35,649	43,549
May-10	5155	0		-	22,935	28,090
Jun-10	1750	0		-	18,032	19,782
Jul-10	900	0		-	12,959	13,859
Aug-10	1100	0	1,000	1,000	12,449	14,549
Sep-10	1350	500	500	1,000	20,054	22,404
Oct-10	6400	1,000		1,000	20,588	27,988
	53,325	12,100	26,200	37,300	401,675	492,300
				6.13		
	bbls	bbls	bbls	tons		
		2,017	4,226	6,016	47,256	

Projected Costs						
	Nat. Gas	Waste Oil	#6 Resid	Waste+ #6	Wood	Total
Nov-09	\$ 75,426	\$ 7,222	\$ -	\$ 7,222	\$ 173,777	\$ 256,425
Dec-09	\$ 78,780	\$ 14,444	\$ -	\$ 14,444	\$ 246,994	\$ 340,218
Jan-10	\$ 310	\$ 21,667	\$ 128,968	\$ 150,635	\$ 238,385	\$ 389,330
Feb-10	\$ 310	\$ 18,778	\$ 105,238	\$ 124,016	\$ 227,910	\$ 352,236
Mar-10	\$ 85,800	\$ 7,222	\$ 10,317	\$ 17,540	\$ 235,200	\$ 338,539
Apr-10	\$ 46,020	\$ 7,222	\$ 10,317	\$ 17,540	\$ 154,463	\$ 218,023
May-10	\$ 40,209	\$ -	\$ -	\$ -	\$ 99,376	\$ 139,585
Jun-10	\$ 13,650	\$ -	\$ -	\$ -	\$ 78,130	\$ 91,780
Jul-10	\$ 7,020	\$ -	\$ -	\$ -	\$ 56,149	\$ 63,169
Aug-10	\$ 8,580	\$ -	\$ 10,317	\$ 10,317	\$ 53,940	\$ 72,838
Sep-10	\$ 10,530	\$ 3,611	\$ 5,159	\$ 8,770	\$ 86,892	\$ 106,192
Oct-10	\$ 49,920	\$ 7,222	\$ -	\$ 7,222	\$ 89,206	\$ 146,348
	\$ 416,555	\$ 87,389	\$ 270,317	\$ 357,706	\$ 1,740,422	\$ 2,514,684

Projected mmbtu costs \$/MMBtu

Wood	#6	Waste	Average oil	Gas
\$ 4.33	\$ 10.32	\$ 7.22	\$ 9.59	\$ 7.80

Ton	Bbl	Bbl	Decatherm
\$ 36.83	\$ 65.00	\$ 45.50	\$ 60.42
			\$ 7.80

Concord Steam Corporation
Cost Of Energy (COE)

DG 09-
Schedule-3
9/15/09

	Actual Sales Mlbs 2008/9	Steam sold non heating	Steam sold heating		Actual Deg Days 2008/9	Deg Days 30 yr ave	Adjusted Base rate Sales 2008/09
Nov-08	13,678	1,500	12,178	1,500	689	793	17,016
Dec-08	24,967	1,500	23,467	2,000	1309	1185	24,744
Jan-09	30,674	1,500	29,174	2,000	1514	1366	30,612
Feb-09	26,059	1,500	24,559	2,000	1318	1159	25,744
Mar-09	16,655	1,500	15,155	1,800	824	982	21,361
Apr-09	9,074	1,500	7,574	800	509	596	11,169
May-09	3,727	1,500	2,227	700	280	299	4,578
Jun-09	1,709	1,500	209		97	85	1,683
Jul-09	697	697	-		1	16	697
Aug-08	730	730	-		27	35	730
Sep-08	1,435	1,435	-	400	163	184	1,835
Oct-08	8,172	1,500	6,672	800	551	516	8,549
TOTAL	137,578			12,000	7,282	7,216	148,718

Concord Steam Corporation
 Cost Of Energy (COE)

DG 09 -
 Schedule-6
 9/10/09

Customer Size	Annual usage M/lbs	Energy Charge at new rate 17.36	Energy Charge at 08/09 average 21.35	Meter Charge	Base Rate	New rate Total	Last year cost based on average energy cost over 08/09
Small	295	\$ 5,122	\$ 6,298	\$ 60	\$ 4,682	\$ 9,864	\$ 11,039 -10.65% % decrease from last year
Medium	1201	\$ 20,855	\$ 25,640	\$ 225	\$ 17,595	\$ 38,674	\$ 43,459 -11.01% % decrease from last year
Large	4797	\$ 83,297	\$ 102,409	\$ 480	\$ 65,959	\$ 149,736	\$ 168,847 -11.32% % decrease from last year

Concord Steam Company
 Cost of Energy (COE)
 2009-10 filing
 Revenue Summary

DG 09 -
 Schedule -7
 9/10/09

	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09
Actual Mlbs. Sold	13,678	24,967	30,674	26,059	16,655	9,074	3,727	1,709	931	730	1,651	8,428
Actual Rate Per Mlb.	\$ 19.81	\$ 19.81	\$ 19.81	\$ 21.31	\$ 21.31	\$ 21.31	\$ 21.31	\$ 21.31	\$ 21.31	\$ 21.31	\$ 21.31	\$ 21.31
Actual Extended Revenues	\$ 270,960	\$ 494,591	\$ 607,646	\$ 555,321	\$ 354,924	\$ 193,374	\$ 79,429	\$ 36,426	\$ 19,840	\$ 15,556	\$ 35,183	\$ 179,611

Projected Mlbs. and Revenues:

	Projected Mlbs.	Rate per Mlb.	Projected Revenue \$
Nov-08	16,922	\$ 19.81	\$ 335,218
Dec-08	24,434	\$ 19.81	\$ 484,028
Jan-09	30,628	\$ 19.81	\$ 606,732
Feb-09	25,620	\$ 19.81	\$ 507,528
Mar-09	20,573	\$ 19.81	\$ 407,541
Apr-09	12,104	\$ 19.81	\$ 239,788
May-09	4,946	\$ 19.81	\$ 97,987
Jun-09	1,239	\$ 19.81	\$ 24,545
Jul-09	697	\$ 19.81	\$ 13,808
Aug-09	730	\$ 19.81	\$ 14,461
Sep-09	1,651	\$ 19.81	\$ 32,706
Oct-09	8,428	\$ 19.81	\$ 166,968
Total	147,971	\$ 19.81	\$ 2,931,310

Actual Mlbs,
 Projected Mlbs
and Adjusted Revenues:

	Actual/ Projected Mlbs.	Rate per Mlb.	Adjusted Revenue \$
Nov-08	13,678	\$ 19.81	\$ 270,960
Dec-08	24,967	\$ 19.81	\$ 494,591
Jan-09	30,674	\$ 19.81	\$ 607,646
Feb-09	26,059	\$ 21.31	\$ 555,321
Mar-09	16,655	\$ 21.31	\$ 354,924
Apr-09	9,074	\$ 21.31	\$ 193,374
May-09	3,727	\$ 21.31	\$ 79,429
Jun-09	1,709	\$ 21.31	\$ 36,426
Jul-09	931	\$ 21.31	\$ 19,840
Aug-09	730	\$ 21.31	\$ 14,461
Sep-09	1,651	\$ 21.31	\$ 32,706
Oct-09	8,428	\$ 21.31	\$ 166,968
Total	138,284	\$ 20.44	\$ 2,826,646

**Concord Steam Corporation
Cost Of Energy (COE)**

**DG 09 -
Schedule-8
9/10/09**

Estimated cost of Wood Yard Operations

Tons of wood per year	47,256		
Delivered cost of material	\$ 30.00	\$ 1,417,678	
Yard Lease	\$	141,792	
Diesel Fuel Yard/trucking	\$	29,500	
Electricity	\$	6,899	
Loader rental	\$	51,597	
Mechanical repairs	\$	500	
Small tools	\$	180	
Truck/Loader/scale maintenance	\$	13,305	
Contract Grinding/Hauling	\$	30,000	
Misc Prepaid Yard expenses	\$	464	
Propane heat	\$	2,500	
Veh Registration	\$	1,535	
Fees	\$	180	
Cleaning supplies	\$	160	
Software consultant	\$	900	
Highway use tax	\$	550	
Property tax	\$	26,642	
Wood Broker	\$	35,000	
Subtotal	\$	341,704	
Rental revenue	Conc sand/gravel	\$ (13,200)	
	Capital Paving	\$ (5,760)	
Total net cost	\$	322,744	
Cost of Yard operations per ton	\$	6.83	
Delivered cost of material	\$	30.00	
Total Cost of wood fuel per ton	\$	36.83	

Diesel Fuel	2,552
#6 Fuel Oil	510,320
Whole Tree Chips	1,157,584
Main Gas	210,711
Pilot Gas	1,903
Gas Meter Charges	2,272
subtotal fuel	1,885,342

Wood Procurement	37,132
Yard rental	141,792
Loader rental	8,599
Contracts-hauling	29,884
Fuel oil yard	28,945
Heat yard	2,244
Small Tools Yard	169
Utilities	6,899
Property tax - Yard	26,642
Truck & Loader Maintenance	11,305
Truck Loader Expense	35,556
	329,168

2,214,510

**Cogen Turbines - Benefit - Cost Analysis
Including Savings from Cogeneration of Electricity**

*Estimated cost to purchase all electricity for Unitil
(If there was no self generation)* \$ 339,577

Cost of electricity with self generation

Purchased power from Unitil \$ 79,693

Cost to generate electricity \$ 246,285

Subtotal all costs \$ 325,978

Revenue from sale of power \$ 155,903

Net cost of electricity for CSC \$ 170,075

Benefits:

Sale of Electricity to ISO \$ 155,903

Savings from generating own electricity in lieu of purchasing from Unitil \$ 259,884

Total Benefits from continuing Cogen \$ 415,787

Costs:

Operating Expenses, Return and Fuel Costs for Self Generation \$ 246,285

Purchased power from Unitil \$ 79,693

\$ 325,978

Benefits in Excess of Costs \$ 169,502

Benefit/Cost Ratio (Costs including power purchased from Unitil) 1.28

Benefits

Sale of Power to ISO-New England:

<i>Volume of kWh's sold from 8/08 - 7/09</i>		2,643,728
Revenues received	\$	155,903
Rate per kWh	\$	0.059

<i>Estimated Cost if there was no Self Generation:</i>	\$	339,577
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Savings from self-generation of Electricity:

<i>Power purchased from Unitil</i>	\$	79,693
Value of avoided power purchase from Unitil	\$	259,884

Self generated Electricity Consumed (Excl. kWh purchased from Unitil)		2,030,500
Average Unitil cost \$/kWh	\$	0.13

Total Benefits from Sales to ISO and Self-Generation

Turbine Generator
 Operating/Maintenance Costs

Cost of Sales:	8/08-7/09	8/08-12/08	1/9-7/9
Diesel Fuel for Generators	\$ 4,082	2552	1530
5-7040 Lubricants	\$ -	0	
5-7051 Consumables/Mech.	\$ 17	17	
5-7052 Pipe fittings	\$ -		
5-7053 Valves	\$ -		
5-7055 Misc. small tools	\$ -		
5-7060 Consumables/Elec.	\$ -		
5-7065 Consumables/Structural Repairs	\$ -		
5-7070 Misc. prod. Supplies	\$ -		
5-7085 Rental Fees/Generator Maint.	\$ -		
5-7095 Repair Parts/Mech.	\$ 648	648	
5-7100 Repair Parts/Elec.	\$ 58		58
5-7110 Contract Maintenance & Repair	\$ 188		188
Total Cost of Sales	<u>\$ 4,993</u>		

Expenses:

Payroll Maintenance - 40hrs @ \$25/hr	\$ 1,000		
Depreciation	\$ 20,485		
Amortization	\$ 436		
Property Tax	\$ 1,016		
Employer FICA	\$ 77		
1120 NH Business Profits Tax			
Advertising			
Postage			
Bank Fees			
Telephone	\$ 600		
Travel Expense			
Office Supplies/Expense			
Attorney's			
Management Fees			
Other Consultants			
Wheeling Agreement Fee			
Insurance/Plant	\$ 6,281		
Employees Ins. Med.,etc.	\$ 200		
Uniforms			
Employer SEP/IRA			
Vehicle Expense			
Interest on Captial Lease			
Misc. General Expense			
Accountants			
Deferred Tax Provision			
Supervision Fees and Special Services			
Transportation Expense			
Misc. Expense			
Total	<u>\$ 30,095</u>		

Total Revenue Deductions	\$ 35,088		
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Net Operating Income (Loss) Before Taxes	
Federal Income Taxes	
Net Operating Income/(Loss) After Taxes	<u>\$ -</u>

Summary of Revenue Requirements:

Rate Base	\$ 144,044
Rate of Return	<u>7.24%</u>
Allowed Return	\$ 10,429
Net Operating Income, per above	\$ -
Revenue Requirements Deficiency/(Surplus)	<u>\$ 10,429</u>
Gross-up for Taxes (x 1.68)	<u>\$ 17,531</u>
	<u><u>\$ 17,531</u></u>

DG 09 -
Concord Steam
Cost

Schedule CB-4
9/15/09

Costs

Fuel:

	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Total
Total kWh's Generated	776,423	375,217	533,881	479,436	295,553	203,939	95,000	98,581	186,697	391,007	550,665	687,829	4,674,228
Total kWh's Consumed	255,000	185,000	200,000	190,000	165,000	123,000	95,000	95,000	150,000	170,000	175,000	232,000	2,035,000
Total kWh's Sold	521,423	190,217	333,881	289,436	130,553	80,939	4,500	3,581	36,697	221,007	375,665	455,829	2,643,728
\$ received from sales	\$ 36,487	\$ 10,694	\$ 14,315	\$ 11,214	\$ 5,868	\$ 4,008	\$ 1,782	\$ 1,483	\$ 3,589	\$ 14,199	\$ 24,004	\$ 28,260	\$ 155,903
Btu's/kWh	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Btu/Lb Steam @ 125 psig. 430 F	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240
Total M Lbs of Steam	2,505	1,210	1,722	1,547	953	658	306	318	602	1,261	1,776	2,219	15,078
Fuel cost \$/MMBtu	6.86	6.78	6.52	6.29	6.89	4.98	4.98	5.63	5.87	6.66	5.88	6.88	
Fuel Cost per MLb	\$ 14.17	\$ 14.00	\$ 13.47	\$ 13.00	\$ 14.25	\$ 10.30	\$ 10.30	\$ 11.65	\$ 12.12	\$ 13.77	\$ 12.15	\$ 14.23	
Total Fuel Cost of Steam	\$ 35,483	\$ 16,951	\$ 23,193	\$ 20,112	\$ 13,581	\$ 6,775	\$ 3,156	\$ 3,703	\$ 7,301	\$ 17,366	\$ 21,580	\$ 31,568	\$ 200,769

Total Fuel Cost of Steam \$ 35,483 \$ 16,951 \$ 23,193 \$ 20,112 \$ 13,581 \$ 6,775 \$ 3,156 \$ 3,703 \$ 7,301 \$ 17,366 \$ 21,580 \$ 31,568 \$ 200,769

Overhead:
Total Overhead \$ 2,924 \$ 2,924 \$ 2,924 \$ 2,924 \$ 2,924 \$ 2,924 \$ 2,924 \$ 2,924 \$ 2,924 \$ 2,924 \$ 2,924 \$ 2,924 \$ 2,924 \$ 35,088

Return on Investment

Rate Base \$ 144,044
Rate of Return 7.24%
Total Return on Investment \$ 942 \$ 942 \$ 942 \$ 942 \$ 942 \$ 942 \$ 942 \$ 942 \$ 942 \$ 942 \$ 942 \$ 942 \$ 942 \$ 10,429

Grand Total Costs \$ 39,348 \$ 20,817 \$ 27,059 \$ 23,977 \$ 17,447 \$ 10,641 \$ 7,022 \$ 7,569 \$ 11,166 \$ 21,231 \$ 25,445 \$ 35,433 \$ 246,285

Total Volume kWh's 4,674,228

Rate per kWh 0.05269