

Schedules

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Schedule JLL-1
Summary of Transmission Expenses
Estimated for 2011

National Grid: Granite State Electric Company
Summary of Transmission Expenses
Estimated For the Year 2011

NEP Charges			
1	Non-PTF	\$2,055,840	
2	Other NEP Charges	<u>1,386,768</u>	
	Sub-Total NEP Charges		\$3,442,608
ISO Charges			
3	PTF	\$10,239,628	
4	Scheduling & Dispatch	246,349	
5	Load Response	78,971	
6	Black Start	79,498	
7	Reactive Power	<u>172,036</u>	
	Sub-Total ISO Charges		\$10,816,482
ISO-NE Charges			
8	Schedule 1 - Scheduling & Dispatch	\$242,585	
9	Schedule 5 - NESCOE	<u>7,378</u>	
	Sub-Total ISO-NE Charges		<u>\$249,963</u>
10	Total Expenses Flowing Through Current Rates		<u>\$14,509,054</u>

Line 1 = JLL-5: Column (2), Line 13

Line 2 = JLL-5: Sum of Column (3) thru (6), Line 13

Line 3 = JLL-2, page 1: Column (2), Line 13

Line 4 = JLL-2, page 1: Column (3), Line 13

Line 5 = JLL-2, page 1: Column (5), Line 13

Line 6 = JLL-2, page 1: Column (6), Line 13

Line 7 = JLL-2, page 1: Column (7), Line 13

Line 8 = JLL-2, page 2: Column (1), Line 13

Line 9 = JLL-2, page 2: Column (2), Line 13

Line 10 = Sum of Line 1 thru Line 9

Granite State Electric Company
Summary of Transmission Expenses
2010 vs. 2011 Filing Years

Granite State Electric Company d/b/a National Grid

Docket DE 10-__

Schedule JLL-1

Summary

Page 2 of 2

		January 2010 Retail Filing	January 2011 Retail Filing	Yr/Yr Incr/(Decr)
	NEP Charges			
1	Non-PTF	2,853,751	2,055,840	(797,911)
2	Other NEP Charges	1,266,855	1,386,768	119,914
3	Subtotal	\$ 4,120,606	\$ 3,442,608	\$ (677,997)
	ISO Charges			
4	PTF	9,774,747	10,239,628	464,881
5	Scheduling & Dispatch	225,818	246,349	20,531
6	Load Response	46,186	78,971	32,785
7	Black Start	75,340	79,498	4,158
8	Reactive Power	165,676	172,036	6,360
9	Subtotal	\$ 10,287,767	\$ 10,816,482	\$ 528,715
	ISO Administrative			
10	Sched 1 Scheduling & Dispatch	200,547	242,585	42,039
11	Sched 5 NESCOE	9,783	7,378	(2,405)
12	Subtotal	\$ 210,330	\$ 249,963	\$ 39,633
13	Total Expenses	\$ 14,618,703	\$ 14,509,054	\$ (109,649)

Schedule JLL-2
Summary of ISO-NE Charges
Estimated for 2011

National Grid: Granite State Electric Company
Summary of ISO Charges
Estimated For the Year 2011

		(1) Monthly PTF kW Load	(2) PTF Demand Charge	(3) Scheduling & Dispatch	(4) Reliability Must Run	(5) Load Response	(6) Black Start	(7) Reactive Power	(8) Total ISO
1	January	138,593	\$748,712	\$19,112	\$0	\$78	\$6,167	\$13,347	\$787,416
2	February	137,912	745,033	19,018	0	334	6,137	13,281	783,803
3	March	129,442	699,276	17,850	0	882	5,760	12,465	736,233
4	April	121,403	655,848	16,741	0	335	5,402	11,691	690,017
5	May	177,216	957,363	24,438	0	2,818	7,886	17,066	1,009,570
6	June	166,910	992,514	23,016	0	10,954	7,427	16,073	1,049,986
7	July	194,187	1,154,714	26,778	0	37,377	8,641	18,700	1,246,211
8	August	185,105	1,100,709	25,526	0	21,552	8,237	17,826	1,173,849
9	September	129,837	772,063	17,904	0	1,630	5,778	12,503	809,878
10	October	125,726	747,618	17,337	0	1,643	5,595	12,107	784,300
11	November	130,901	778,390	18,051	0	1,518	5,825	12,606	816,390
12	December	149,231	887,388	20,579	0	-150	6,641	14,371	928,828
13	12-Mo Total	1,786,463	\$10,239,628	\$246,349	\$0	\$78,971	\$79,498	\$172,036	\$10,816,482

Line 1-12: Column (1) = NEPOOL Monthly Load Statements January - August 2010 and September - December 2009 actuals used for estimates

Line 1-5: Column (2) = JLL-3, Line 1 * Column (1) / 12

Line 6-12: Column (2) = JLL-3, Line 6 * Column (1) / 12

Line 1-12: Column (3) = Current Rate * Column (1) / 12 R **1.65477** /kW-Yr

Line 1-12: Column (4) = 0 [No Reliability Must Run Contracts are currently in effect for New Hampshire]

Line 1-12: Column (5) = ISO Monthly Statements January-July 2010 and August-December 2009 actuals used for estimates

Line 1-12: Column (6) = JLL-4, Line 8 * Column (1)

Line 1-12: Column (7) = JLL-4, Line 4 * Column (1)

Line 1-12: Column (8) = Sum of Columns (2) thru (7)

Line 13 = Sum of Line 1 thru Line 12

National Grid: Granite State Electric Company
Summary of ISO-NE Charges
Estimated For the Year 2011

	(1) Sch. 1 Scheduling & Dispatch	(2) Sch. 5 NESCOE	(3) Total ISO-NE Charges
1 January	\$20,155	\$572	\$20,727
2 February	20,284	570	20,853
3 March	18,971	535	19,506
4 April	17,849	501	18,351
5 May	26,807	732	27,539
6 June	24,630	689	25,319
7 July	28,898	802	29,700
8 August	27,443	764	28,207
9 September	13,874	536	14,410
10 October	13,472	519	13,991
11 November	14,215	541	14,756
12 December	15,987	616	16,604
13 Totals	\$242,585	\$7,378	\$249,963
14 2010 Budget	\$30,478,587		
15 2011 Budget	\$33,845,044		
16 % Change	11.05%		

Line 1-12: Columns (1) = Monthly ISO Bills for periods January-July 2010 and August-December 2009 for estimates * Line 16
Line 1-12: Column (2) = Estimates based on Monthly PTF load * 2011 charge of \$.00413 per kW-mo from ISO NESCOE Budget Filing
Line 13 = Sum of Line 1 thru Line 12
Line 14 = ISO-NE Proposed Schedule 1 Operating Budget (Year 2010) based on the 10/29/09 FERC filing
Line 15 = ISO-NE Proposed Schedule 1 Operating Budget (Year 2011) based on the 10/29/10 FERC filing
Line 16 = Line 15-Line 14 / Line 14

Schedule JLL-3
PTF Rate Calculation
Estimated for 2011

New England Power Company
PTF Rate Calculation
Estimated For the Year 2011

Development of PTF Rate:

1	Total Regional Network Service Rate through May 31, 2011	\$64.83 /KW-YR
	<u>ESTIMATED Increase in ISO Rate Effective June 1, 2011</u>	
2	Total ESTIMATED PTO Plant Additions	\$ 766,000,000
3	* Revenue Requirement to Plant Ratio	16.58%
4	/ 2009 ISO Network Load	19,457,606
5	Additional Estimated ISO Regional Network Service Rate	\$6.53 /KW-YR
6	Regional Network Service Rate in effect June 1, 2011 through May 31, 2012	\$71.36 /KW-YR

Line 1 = PTO Informational Filing dated 7/31/10
Line 2 = PTO Forecast RWG Presentation 8/17/10
Line 3 = PTO Forecast RWG Presentation 8/17/10
Line 4 = PTO Informational Filing dated 7/31/10
Line 5 = Line 2 * Line 3 / Line 4
Line 6 = Line 1 + Line 5

Schedule JLL-4
Summary of Reactive Power & Black Start Costs
Estimated for 2011

National Grid: Granite State Electric Company
Summary of Reactive Power & Black Start Costs
Estimated For the Year 2011

Section I: Development of Reactive Power Estimate

1	Estimated Total ISO Reactive Power Costs	\$22,479,530	
2	2009 ISO Network Load (KW)	19,457,606	
3	Estimated Rate / KW-Yr	\$1.1553	
4	Estimated Rate / KW-Mo	<table border="1"><tr><td>\$0.0963</td></tr></table>	\$0.0963
\$0.0963			

Section II: Development of Black Start Costs

5	Estimated Total ISO Black Start Costs	\$10,399,906	
6	2009 ISO Network Load (KW)	19,457,606	
7	Estimated Rate / KW-Yr	\$0.5345	
8	Estimated Rate / KW-Mo	<table border="1"><tr><td>\$0.0445</td></tr></table>	\$0.0445
\$0.0445			

Line 1 = ISO Schedule 2 Settlement Reports Jan - Oct 2010 and Nov - Dec 2009 for estimates
Line 2 = 12 CP Network Loads from Informational Filing dated 07/31/10
Line 3 = Line 1 / Line 2
Line 4 = Line 3 / 12
Line 5 = ISO Schedule 16 Settlement Reports for Jan - Aug 2010 and Sept - Dec 2009 for estimates
Line 6 = Line 2
Line 7 = Line 5 / Line 6
Line 8 = Line 7 / 12

Schedule JLL-5
Summary of New England Power Schedule No. 21 Charges
Estimated for 2011

National Grid: Granite State Electric Company
Summary of New England Power - Schedule No. 21 Charges
Estimated For the Year 2011

	(1) Non- PTF Load Ratio % Share	(2) Non-PTF Demand Charge	(3) Scheduling & Dispatch	(4) Specific Distribution Surcharge	(5) Transformer Surcharge	(6) Meter Surcharge	(7) Total NEP Costs
1 January-10	2.78%	\$167,176	\$7,022	\$12,340	\$92,382	\$1,475	\$280,395
2 February	2.85%	171,612	11,659	\$12,340	\$92,382	\$1,475	289,468
3 March	2.81%	169,024	14,102	\$12,340	\$92,382	\$1,475	289,324
4 April	2.94%	177,253	9,352	\$12,340	\$92,382	\$1,475	292,803
5 May	3.05%	183,921	10,886	\$12,340	\$92,382	\$1,475	301,004
6 June	2.64%	158,718	7,222	\$12,340	\$92,382	\$1,475	272,137
7 July	2.78%	167,351	7,630	\$12,340	\$92,382	\$1,475	281,178
8 August	2.79%	167,734	1,031	\$12,340	\$92,382	\$1,475	274,962
9 September	2.77%	166,589	4,723	\$12,340	\$92,382	\$1,475	277,509
10 October	2.94%	177,017	12,646	\$12,340	\$92,382	\$1,475	295,861
11 November	2.93%	176,378	13,130	\$12,340	\$92,382	\$1,475	295,705
12 December	2.87%	173,068	12,999	\$12,340	\$92,382	\$1,475	292,265
13 12- Mo Total		\$2,055,840	\$112,401	\$148,084	\$1,108,586	\$17,698	\$3,442,608

Lines 1-12: Column (1) = Monthly Network Load Files for January-September 2010 and October-December 2009 actuals used for estima
Lines 1-12: Column (2) = Column (1) * Schedule JLL-6, Line 3 / 12
Lines 1-12: Column (3) = Monthly Network Bills for periods January-September 2010 and October-December 2009 actuals used for estim
Lines 1-12: Column (4), (5), & (6) = Current rates as of June 2010
Lines 1-12: Column (7) = Sum of Column (2) thru (6)
Line 13 = Sum of Line 1 through Line 12

Schedule JLL-6
Non-PTF Revenue Requirement
Estimated for 2011

New England Power Company
Non-PTF Revenue Requirement
Estimated For the Year 2011

Section II:

1	NEP's Schedule 21 Non-PTF Revenue Requirement (12 mos. Ended 08/31/10)	\$66,805,482
2	Adjustment for Forecasted 2011 Capital Additions	\$5,440,000
3	Estimated 2011 Non-PTF Revenue Requirement	\$72,245,482
	<u>Adjustment for Year End 2011 Capital Additions</u>	
4	Estimated 2011 Non-PTF Transmission Additions for Lines - In Service	\$11,200,000
5	Estimated. 2011 Non-PTF Transmission Additions for Substations - In Service	\$20,800,000
6	Estimated NEP 2011 Transmission Plant Additions	\$32,000,000
7	Non-PTF Transmission Plant Carrying Charge	17%
8	Adjustment for Forecasted 2011 Capital Additions	\$5,440,000

Section III:

	<u>Transmission Plant Carrying Charge</u>	
9	NEP's Schedule 21 Revenue Requirement	\$66,805,482
10	Total Revenue Credit (12 Mos. Ended 08/31/10)	\$233,326,841
11	Total Transmission Integrated Facilities Credit (12 Mos. Ended 08/31/10)	(\$51,173,496)
12	Sub-Total Revenue Requirement	\$248,958,827
13	Total Transmission Plant (as of 09/30/2010)	\$1,454,674,280
14	Non-PTF Transmission Plant Carrying Charge	17%

Line 1 = NEP Schedule 21 Billing: January-August 2010 and September -December 2009 actuals

Line 2 = Line 8

Line 3 = Line 1 + Line 2

Line 4 & 5 = Estimated NEP In-Service Non-PTF additions for CY 2011 for Line and Substations

Line 6 = Line 4 + Line 5

Line 7 = Line 14

Line 8 = Line 6 * Line 7

Line 9 thru 11 = NEP Schedule 21 Billing: January-August 2010 and September-December 2009 actuals

Line 12 = Sum of Lines 9 thru 11

Line 13 = NEP Schedule 21 Billing

Line 14 = Line 12 / Line 13

Schedule JLL-7
Forecasted PTF Capital Additions In Service - 2011

**Participating Transmission Owners
Forecast of RNS Rate Impacts
For the Period CY11**

Estimated / Forecasted PTF Capital Additions In Service

		<u>2011</u>
1	Bangor Hydro	\$ 37,000,000
2	Central Maine Power	\$ 294,000,000
3	Florida Power & Light-NED	\$ 1,000,000
4	Holyoke Gas and Electric	\$ -
5	National Grid	\$ 213,000,000
6	NSTAR Electric Company	\$ 63,000,000
7	Northeast Utilities	\$ 112,000,000
8	United Illuminating Company	\$ 17,000,000
9	VT Transco	\$ 29,000,000
10	Total	\$ 766,000,000

Source: Presented at the ISO-NE RC-TC Summer Meeting - August 16-17, 2010