

Schedules of  
James L. Loschiavo

## Schedules

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**Schedule JLL-1**  
**Summary of Transmission Expenses**  
**Estimated for 2012**

National Grid: Granite State Electric Company  
 Summary of Transmission Expenses  
 Estimated For the Year 2012

<b>NEP Charges</b>			
1	Non-PTF	\$2,355,395	
2	Other NEP Charges	<u>1,218,470</u>	
	<b>Sub-Total NEP Charges</b>		\$3,573,865
<b>ISO Charges</b>			
3	PTF	\$11,068,063	
4	Scheduling & Dispatch	238,628	
5	Load Response	16,195	
6	Black Start	72,941	
7	Reactive Power	<u>168,325</u>	
	<b>Sub-Total ISO Charges</b>		\$11,564,153
<b>ISO-NE Charges</b>			
8	Schedule 1 - Scheduling & Dispatch	\$246,509	
9	Schedule 5 - NESCOE	<u>15,240</u>	
	<b>Sub-Total ISO-NE Charges</b>		\$261,748
10	<b>Total Expenses Flowing Through Current Rates</b>		<u><u>\$15,399,766</u></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**  
**2011 vs. 2012 Filing Years**

Granite State Electric Company d/b/a National Gri  
Docket DE 11-\_\_\_\_\_  
Schedule JLL-1  
Summary  
Page 2 of 2

		<b>January 2011</b>	<b>January 2012</b>	<b>Yr/Yr</b>
		<b>Retail Filing</b>	<b>Retail Filing</b>	<b>Incr/(Deer)</b>
	<b>NEP Charges</b>			
1	Non-PTF	\$ 2,055,840	\$ 2,355,395	\$ 299,555
2	Other NEP Charges	<u>1,386,768</u>	<u>1,218,470</u>	<u>(168,298)</u>
3	<b>Subtotal</b>	<b>\$ 3,442,608</b>	<b>\$ 3,573,865</b>	<b>\$ 131,257</b>
	<b>ISO Charges</b>			
4	PTF	\$ 10,239,628	\$ 11,068,063	\$ 828,435
5	Scheduling & Dispatch	246,349	238,628	(7,721)
6	Load Response	78,971	16,195	(62,776)
7	Black Start	79,498	72,941	(6,557)
8	Reactive Power	<u>172,036</u>	<u>168,325</u>	<u>(3,711)</u>
9	<b>Subtotal</b>	<b>\$ 10,816,482</b>	<b>\$ 11,564,153</b>	<b>\$ 747,671</b>
	<b>ISO Administrative</b>			
10	Sched 1 Scheduling & Dispatch	\$ 242,585	\$ 246,509	\$ 3,924
11	Sched 5 NESCOE	<u>7,378</u>	<u>15,240</u>	<u>7,862</u>
12	<b>Subtotal</b>	<b>\$ 249,963</b>	<b>\$ 261,748</b>	<b>\$ 11,785</b>
13	<b>Total Expenses</b>	<b><u>\$ 14,509,053</u></b>	<b><u>\$ 15,399,766</u></b>	<b><u>\$ 890,713</u></b>



**Schedule JLL-2**  
**Summary of ISO-NE Charges**  
**Estimated for 2012**



National Grid: Granite State Electric Company  
Summary of ISO Charges  
Estimated For the Year 2012

	(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	152,389	\$811,138	\$20,091	\$0	\$12,896	\$6,141	\$14,172	\$864,439
2 February	145,121	772,452	19,133	0	2,520	5,848	13,496	813,449
3 March	138,280	736,038	18,231	0	-1,502	5,573	12,860	771,200
4 April	124,636	663,414	16,432	0	1,583	5,023	11,591	698,043
5 May	155,533	827,873	20,506	0	698	6,268	14,465	869,809
6 June	157,665	1,045,894	20,787	0	0	6,354	14,663	1,087,697
7 July	192,096	1,274,297	25,326	0	0	7,741	17,865	1,325,229
8 August	183,739	1,218,859	24,225	0	0	7,405	17,088	1,267,576
9 September	150,623	999,180	19,859	0	0	6,070	14,008	1,039,116
10 October	127,933	848,662	16,867	0	0	5,156	11,898	882,583
11 November	133,768	887,369	17,636	0	0	5,391	12,440	922,837
12 December	148,167	982,887	19,535	0	0	5,971	13,780	1,022,173
<b>13 12-Mo Total</b>	<b>1,809,950</b>	<b>\$11,068,063</b>	<b>\$238,628</b>	<b>\$0</b>	<b>\$16,195</b>	<b>\$72,941</b>	<b>\$168,325</b>	<b>\$11,564,153</b>

Line 1-12: Column (1) = NEPOOL Monthly Statements January-September 2011 and October-December 2010

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      Rate = **1.58211** /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-May 2011. Per FERC Order No. 745 and Docket #ER11-4336-000, the allocation of Load Response Programs previously allocated to Regional Network Load on a system-wide basis, is switching to allocations to wholesale market participants such as standard offer suppliers and competitive retail service providers, effective June 1, 2012.

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 2012

Line #	Period	(1) Sch. 1 Scheduling & Dispatch	(2) Sch. 5 NESCOE	(3) Total ISO-NE Charges
1	January	\$22,200	\$1,283	\$23,483
2	February	18,593	1,222	19,814
3	March	17,545	1,164	18,709
4	April	15,984	1,049	17,034
5	May	20,080	1,310	21,390
6	June	20,172	1,328	21,499
7	July	24,675	1,617	26,292
8	August	23,427	1,547	24,974
9	September	26,417	1,268	27,685
10	October	17,737	1,077	18,814
11	November	18,707	1,126	19,833
12	December	20,974	1,248	22,221
13	<b>Totals</b>	<b>\$246,509</b>	<b>\$15,240</b>	<b>\$261,748</b>
14	2011 Budget	\$33,845,044		
15	2012 Budget	\$35,755,727		
16	% Change	5.65%		

Line 1-12: Columns (1) = Monthly ISO Billing actuals for periods January-August 2011 and September-December 2010 actuals \* Line 16

Line 1-12: Column (2) = Estimates based on Monthly PTF load \* 2012 charge of \$.00842 per kW-mo from ISO NESCOE Budget Filing

Line 13 = Sum of Line 1 through Line 12

Line 14 = ISO-NE Proposed Schedule 1 Operating Budget (Year 2011) based on the 10/27/10 FERC filing

Line 15 = ISO-NE Proposed Schedule 1 Operating Budget (Year 2012) based on the 10/26/11 FERC filing

Line 16 = Line 15-Line 14 / Line 14



**Schedule JLL-3  
PTF Rate Calculation  
Estimated for 2012**

New England Power Company  
PTF Rate Calculation  
Estimated For the Year 2012

Development of PTF Rate:

1	Total Regional Network Service Rate through May 31, 2012	\$63.87 /KW-YR
<u>ESTIMATED Increase in ISO Rate Effective June 1, 2011</u>		
2	Total ESTIMATED PTO Plant Additions	\$1,994,000,000
3	* Revenue Requirement to Plant Ratio	16.63%
4	/ 2010 ISO Network Load	21,086,421
5	Additional Estimated ISO Regional Network Service Rate	\$15.73 /KW-YR
6	Regional Network Service Rate in effect June 1, 2012 through May 31, 2013	\$79.60 /KW-YR

Line 1 = PTO Informational Filing dated 7/29/11  
Line 2 = PTO Forecast RWG Presentation 7/26/11  
Line 3 = PTO Forecast RWG Presentation 7/26/11  
Line 4 = PTO Informational Filing dated 7/29/11  
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 2012**

National Grid: Granite State Electric Company  
Summary of Reactive Power & Black Start Costs  
Estimated For the Year 2012

**Section I: Development of Reactive Power Estimate**

1	Estimated Total ISO Reactive Power Costs	\$23,542,671
2	2010 ISO Network Load (KW)	21,086,421
3	Estimated Rate / KW-Yr	\$1.1165
4	Estimated Rate / KW-Mo	\$0.0930

**Section II: Development of Black Start Costs**

5	Estimated Total ISO Black Start Costs	\$10,200,113
6	2010 ISO Network Load (KW)	21,086,421
7	Estimated Rate / KW-Yr	\$0.4837
8	Estimated Rate / KW-Mo	\$0.0403

Line 1 = ISO Schedule 2 Settlement Reports Jan-Oct 2011 and Nov-Dec 2010  
Line 2 = 12 CP Network Loads from Informational Filing dated 07/29/11  
Line 3 = Line 1 / Line 2  
Line 4 = Line 3 / 12  
Line 5 = ISO Schedule 16 Settlement Reports for Jan-Aug 2011 and Sept-Dec 2010  
Line 6 = Line 5 / Line 6  
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 2012**

National Grid: Granite State Electric Company  
Summary of New England Power - Schedule No. 21 Charges  
Estimated For the Year 2012

Line #	Period	(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	2.84%	\$192,991	\$13,209	\$16,544	\$74,389	\$1,231	\$298,363
2	February	2.88%	195,185	13,853	\$16,544	\$74,389	\$1,231	301,202
3	March	2.92%	198,414	13,208	\$16,544	\$74,389	\$1,231	303,785
4	April	3.00%	203,575	15,380	\$16,544	\$74,389	\$1,231	311,118
5	May	3.19%	216,729	13,339	\$16,544	\$74,389	\$1,231	322,231
6	June	2.67%	181,117	8,681	\$16,544	\$74,389	\$1,231	281,961
7	July	2.70%	183,286	2,214	\$16,544	\$74,389	\$1,231	277,663
8	August	3.04%	206,121	2,136	\$16,544	\$74,389	\$1,231	300,421
9	September	2.94%	199,512	2,423	\$16,544	\$74,389	\$1,231	294,099
10	October	2.76%	187,476	7,573	\$16,544	\$74,389	\$1,231	287,213
11	November	2.92%	197,991	10,131	\$16,544	\$74,389	\$1,231	300,285
12	December	2.84%	192,998	10,363	\$16,544	\$74,389	\$1,231	295,524
13	<b>12- Mo Total</b>		<b>\$2,355,395</b>	<b>\$112,510</b>	<b>\$198,526</b>	<b>\$892,666</b>	<b>\$14,769</b>	<b>\$3,573,865</b>

Lines 1-12: Column (1) = Actual Monthly Network Load Ratio Files for January-September 2011 and October-December 2010

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

Lines 1-12: Column (3) = Actual Monthly Network Bills for January-September 2011 and October-December 2010

Lines 1-12: Column (4), (5) & (6) = Current rates as of June 2011

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 2012**

New England Power Company  
Non-PTF Revenue Requirement  
Estimated For the Year 2012

**Section I:**

<u>Line #</u>		
1	NEP's Schedule 21 Non-PTF Revenue Requirement (Estimated 12 months ended 2/28/12)	\$72,314,337
2	Adjustment for Forecasted 2012 Capital Additions	\$9,129,000
3	Estimated 2012 Non-PTF Revenue Requirement	\$81,443,337
	<u>Adjustment for Year End 2012 Capital Additions</u>	
4	Estimated 2012 Non-PTF Transmission Additions for Lines - In Service	\$18,795,000
5	Estimated. 2012 Non-PTF Transmission Additions for Substations - In Service	\$34,905,000
6	Estimated NEP 2012 Transmission Plant Additions	\$53,700,000
7	Non-PTF Transmission Plant Carrying Charge	17%
8	Adjustment for Forecasted 2012 Capital Additions	\$9,129,000

**Section II:**

<u>Transmission Plant Carrying Charge</u>		
9	NEP's Schedule 21 Revenue Requirement	\$72,314,337
10	Total Revenue Credit (Estimated 12 months ended 2/28/12)	\$252,128,326
11	Total Transmission Integrated Facilities Credit (Estimated 12 Months ended 2/28/12)	(\$64,390,676)
12	Sub-Total Revenue Requirement	\$260,051,987
13	Total Transmission Plant (as of 09/30/2011)	\$1,549,051,916
14	Non-PTF Transmission Plant Carrying Charge	17%

Line 1 = NEP Schedule 21 Billing: January-September 2011 and October-December 2010 actuals

Line 2 = Line 8

Line 3 = Line 1 + Line 2

Line 4 & 5 = Estimated NEP In-Service Non-PTF additions for CY 2012 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-September 2011 and October-December 2010 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 - 2012**



**Participating Transmission Owners  
Forecast of RNS Rate Impacts  
For the Period CY12**

**Estimated / Forecasted PTF Capital Additions In Service**

	<u><b>2012</b></u>
<b>Bangor Hydro</b>	\$ 64,000,000
<b>Central Maine Power</b>	798,000,000
<b>Highgate</b>	36,000,000
<b>Holyoke Gas and Electric</b>	4,000,000
<b>New Hampshire Transmission</b>	8,000,000
<b>National Grid</b>	348,000,000
<b>NSTAR Electric Company</b>	204,000,000
<b>Northeast Utilities</b>	383,000,000
<b>United Illuminating Company</b>	85,000,000
<b>VT Transco</b>	64,000,000
<b>Total</b>	<b>\$ 1,994,000,000</b>

**Source: Presented at the ISO-NE RC-TC Summer Meeting - July 26-27, 2011**