

Witness: Warshaw

Exhibits

Exhibit JDW-1	Summary of Transmission Expenses Estimated for 2014
Exhibit JDW-2	Summary of ISO Tariff Section II Charges Estimated for 2014
Exhibit JDW-3	Summary of System Restoration and Reactive Supply Charges Estimated for 2014
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Exhibit JDW-5	Forecasted 2013 PTO-PTF Capital Additions

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Exhibit JDW-1
Summary of Transmission Expenses Estimated for 2014

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Summary of Transmission Expenses Estimated For the Year 2014

ISO-NE Tariff Schedule 21 NEP LNS Tariff Charges		
1	Local Network Service (Monthly Demand Charges)	\$2,118,269
2	Other NEP Charges	<u>1,115,369</u>
Subtotal NEP Charges		<u>\$3,233,638</u>
ISO-NE Tariff Section II Charges		
3	Schedule 9 - Regional Network Service Charges	\$14,294,904
4	Schedule 1 - Scheduling, System Control & Dispatch	266,625
5	Schedule 16 - System Restoration and Planning Service	105,826
6	Schedule 2 - Reactive Supply and Voltage Control Service	<u>257,656</u>
Subtotal ISO-NE Tariff Section II Charges		<u>\$14,925,012</u>
ISO-NE Tariff Section IV.A - Administrative Charges		
7	Schedule 1 - Scheduling & Dispatch Service	\$292,679
8	Schedule 5 - NESCOE Budget	<u>10,469</u>
Subtotal ISO-NE Tariff Section IV.A Charges		<u>\$303,148</u>
9	Subtotal of ISO-NE Tariff Charges	<u>\$15,228,160</u>
10	Total Estimated Expenses Flowing Through Current Rates	<u>\$18,461,798</u>

Line 1 = JDW-4: Column (1), Line 13

Line 2 = JDW-4: Sum of Column (2) thru (6), Line 13

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

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

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

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

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

Line 8 = JDW-2, page 2: Column (3), Line 13

Line 9 = Sum of Line 3 thru Line 8

Line 10 = Sum of Line 1 thru Line 8

**Summary of Estimated Transmission Expenses
2013 vs. 2014 Filing Years**

		January 2013 Retail Filing	January 2014 Retail Filing	Yr/Yr Incr/(Decr)
ISO-NE Tariff Schedule 21 NEP LNS Tariff Charges				
1	Local Network Service (Monthly Demand Charges)	\$ 2,751,561	\$ 2,118,269	\$ (633,292)
2	Other NEP Charges	1,244,239	1,115,369	(128,870)
	Subtotal	\$ 3,995,800	\$ 3,233,638	\$ (762,163)
ISO-NE Tariff Section II Charges				
3	Schedule 9 - Regional Network Service Charges	\$ 12,336,611	\$ 14,294,904	\$ 1,958,293
4	Schedule 1 - Scheduling, System Control & Dispatch	271,670	266,625	(5,045)
5	Schedule 16 - System Restoration and Planning Service	74,305	105,826	31,521
6	Schedule 2 - Reactive Supply and Voltage Control Service	204,339	257,656	53,317
	Subtotal	\$ 12,886,925	\$ 14,925,012	\$ 2,038,087
ISO-NE Tariff Section IV.A - Administrative Charges				
7	Schedule 1 - Scheduling & Dispatch Service	\$ 257,168	\$ 292,679	\$ 35,511
8	Schedule 5 - NESCOE Budget	15,571	10,469	(5,102)
	Subtotal	\$ 272,739	\$ 303,148	\$ 30,409
9	Subtotal of ISO-NE Tariff Charges	\$ 13,159,664	\$ 15,228,160	\$ 30,409
10	ISO-New England Disgorgement Fund Credit	(144,563)		\$ 144,563
11	Total Estimated Expenses	\$ 17,010,901	\$ 18,461,798	\$ 1,450,897

Exhibit JDW-2
Summary of ISO Tariff Section II Charges Estimated for 2014

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**Summary of ISO-NE Tariff Section II Charges
Estimated For the Year 2014**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Monthly PTF kW Load	Schedule 9 - Regional Network Service Charges	Schedule 1 - Scheduling, System Control & Dispatch	Reliability Must Run	Schedule 16 - System Restoration and Planning Service	Schedule 2 - Reactive Supply and Voltage Control Service	ISO-NE Tariff Section II Charges
1 January	153,530	\$1,091,575	\$21,623	\$0	\$8,582	\$20,895	\$1,142,676
2 February	143,680	1,021,543	20,236	0	8,032	19,555	1,069,365
3 March	136,993	974,000	19,294	0	7,658	18,645	1,019,596
4 April	128,011	910,139	18,029	0	7,156	17,422	952,746
5 May	176,816	1,257,135	24,902	0	9,884	24,065	1,315,986
6 June	182,660	1,430,837	25,725	0	10,211	24,860	1,491,633
7 July	197,514	1,547,193	27,817	0	11,041	26,882	1,612,933
8 August	177,242	1,388,396	24,962	0	9,908	24,123	1,447,388
9 September	191,391	1,499,230	26,955	0	10,699	26,048	1,562,932
10 October	127,505	998,789	17,957	0	7,128	17,353	1,041,228
11 November	138,455	1,084,564	19,500	0	7,740	18,844	1,130,647
12 December	139,341	1,091,505	19,624	0	7,789	18,964	1,137,882
13 12-Mo Total	1,893,138	\$14,294,904	\$266,625	\$0	\$105,826	\$257,656	\$14,925,012

Line 1-12: Column (1) = NEPOOL Monthly Statements for the 12-month period ending September 2013

Line 1-5: Column (2) = 2013 RNS Rate * Column (1) / 12 2013 RNS Rate = \$ **85.32** /kW-YR

Line 6-12: Column (2) = Estimated 2014 RNS Rate * Column (1) / 12 2014 RNS Rate = \$ **94.00** /kW-YR

Line 1-12: Column (3) = Current Rate * Column (1) / 12 Rate = \$ **1.69005** /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) = JDW-3, Line 8 * Column (1)

Line 1-12: Column (6) = JDW-3, Line 4 * Column (1)

Line 1-12: Column (7) = Sum of Columns (2) thru (6)

Line 13 = Sum of Line 1 thru Line 12

**Summary of ISO Tariff Section IV.A Administrative Charges
Estimated For the Year 2014**

	(1)	(2)	(3)	(4)
Period	Monthly Regional Network Load	Schedule 1 - Scheduling & Dispatch Service	Schedule 5 - NESCOE Budget	ISO-NE Tariff Section IV.A - Administrative Charges
1 January	153,530	\$23,736	\$849	\$24,585
2 February	143,680	22,213	795	23,007
3 March	136,993	21,179	758	21,937
4 April	128,011	19,791	708	20,498
5 May	176,816	27,336	978	28,314
6 June	182,660	28,239	1,010	29,249
7 July	197,514	30,536	1,092	31,628
8 August	177,242	27,402	980	28,382
9 September	191,391	29,589	1,058	30,647
10 October	127,505	19,712	705	20,417
11 November	138,455	21,405	766	22,171
12 December	139,341	21,542	771	22,313
13 Totals		\$292,679	\$10,469	\$303,148

Column (1) = Monthly Regional Network Load for the 12-month period ending September 2013

Column (2) = Column (1) * \$0.15460 per kW-month per ISO 2014 Capital Budget Filing

Column (3) = Column (1) * \$0.00553 per kW-month per NESCOE 2014 Budget Filing

Column (4) = Column (2) + Column (3)

Exhibit JDW-3
Summary of System Restoration and Reactive Supply
Charges Estimated for 2014

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Summary of Reactive Power & Black Start Costs Estimated For the Year 2014

Section I: Development of ISO-NE Schedule 2 Costs

1	Granite Total ISO-NE Schedule 2 Costs	\$322,689
2	2013 Granite Peak Load (KW)	<u>197,514</u>
3	Estimated Rate / KW-Yr	<u>\$1.6338</u>
4	Estimated Rate / KW-Mo	\$0.1361

Section II: Development of ISO-NE Schedule 16 Costs

5	Granite Total ISO-NE Schedule 16 Settlement Costs	\$132,563
6	2013 Granite Peak Load (KW)	<u>197,514</u>
7	Estimated Rate / KW-Yr	<u>\$0.6712</u>
8	Estimated Rate / KW-Mo	\$0.0559

Line 1 = Granite ISO-NE Schedule 2 costs for the 12 months ending September 2013

Line 2 = Granite Peak Load in 2012

Line 3 = Line 1 / Line 2

Line 4 = Line 3 / 12

Line 5 = ISO Schedule 16 Settlement Reports for the 12 months ending September 2013

Line 6 = Line 2

Line 7 = Line 5 / Line 6

Line 8 = Line 7 / 12

Granite State Electric Company d/b/a Liberty Utilities

Docket DE 13-____

Witness: J. D. Warsaw

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Exhibit JDW-4
Summary of New England Power Schedule No. 21
Charges Estimated for 2014

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**Summary of New England Power - Schedule No. 21 Charges
Estimated For the Year 2014**

Period	(1) Net Monthly Demand Charge	(2) Scheduling & Dispatch	(3) Specific Distribution Surcharge	(4) Transformer Surcharge	(5) Meter Surcharge	(6) Maintenance Service Credit	(7) Total NEP Costs
1 January	\$176,522	(\$10,302)	\$18,494	\$85,578	\$1,258	(\$2,081)	\$269,470
2 February	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
3 March	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
4 April	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
5 May	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
6 June	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
7 July	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
8 August	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
9 September	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
10 October	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
11 November	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
12 December	176,522	(10,302)	18,494	85,578	1,258	(2,081)	269,470
13 12- Mo Total	\$2,118,269	-\$123,621	\$221,928	\$1,026,940	\$15,093	-\$24,972	\$3,233,638

Column (1) = Monthly Average of the PTF & Non-PTF Monthly Demand Charges for the 12 month period ending September 2013

Column (2) = Monthly Average of the Load Dispatch Charge for the 12 month period ending September 2013

Column (3) = 26,420 kW & \$0.70 per NEP Tariff as of June 2013

Column (4) = 203,758 kW (July 2013 Granite Peak) & \$0.42 per NEP Tariff as of June 2013

Column (5) = 15 meters * \$83.85 per meter per NEP Tariff as of June 2013

Column (6) Per the Integrated Facilities Supplement dated July 3, 2012 between NEP and Granite State

Column (7) = Sum of Columns (1) through (6)

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Exhibit JDW-5
Forecasted 2013 PTO-PTF Capital Additions

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**Participating Transmission Owners
Forecast of PTF Capital Additions In Service
For the Period CY14**

	<u>\$millions</u>
Bangor Hydro	\$ -
Central Maine Power	13.000
Highgate	161.000
Holyoke Gas and Electric	-
New Hampshire Transmission	1.000
National Grid	242.000
NSTAR Electric Company	75.000
Northeast Utilities	379.000
United Illuminating Company	20.000
VT Transco	16.000
Total	<u>907.000</u>

Source: Presented at the ISO-NE RC-TC Summer Meeting - July 22-23,
2013