

Schedules

Schedule JDW-1	Summary of Transmission Expenses Estimated for 2015
Schedule JDW-2	Summary of ISO Tariff Section II Charges Estimated for 2015
Schedule JDW-3	Summary of System Restoration and Reactive Supply Charges Estimated for 2015
Schedule JDW-4	Summary of New England Power Schedule No. 21 Charges Estimated for 2015

Summary of Transmission Expenses Estimated For the Year 2015

ISO-NE Tariff Schedule 21 NEP LNS Tariff Charges		
1	Local Network Service (Monthly Demand Charges)	\$6,286,834
2	Other NEP Charges	<u>989,843</u>
Subtotal NEP Charges		<u>\$7,276,677</u>
ISO-NE Tariff Section II Charges		
3	Schedule 9 - Regional Network Service Charges	\$14,480,332
4	Schedule 1 - Scheduling, System Control & Dispatch	261,157
5	Schedule 16 - System Restoration and Planning Service	85,578
6	Schedule 2 - Reactive Supply and Voltage Control Service	<u>172,635</u>
Subtotal ISO-NE Tariff Section II Charges		<u>\$14,999,702</u>
ISO-NE Tariff Section IV.A - Administrative Charges		
7	Schedule 1 - Scheduling & Dispatch Service	\$287,787
8	Schedule 5 - NESCOE Budget	<u>0</u>
Subtotal ISO-NE Tariff Section IV.A Charges		<u>\$287,787</u>
9	Subtotal of ISO-NE Tariff Charges	<u>\$15,287,488</u>
10	Total Estimated Expenses Flowing Through Current Rates	\$22,564,165

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
2014 vs. 2015 Filing Years**

		January 2014 Retail Filing	January 2015 Retail Filing	Yr/Yr Incr/(Decr)
ISO-NE Tariff Schedule 21 NEP LNS Tariff Charges				
1	Local Network Service (Monthly Demand Charges)	\$ 2,118,269	\$ 6,286,834	\$ 4,168,565
2	Other NEP Charges	1,115,369	989,843	(125,526)
	Subtotal	\$ 3,233,638	\$ 7,276,677	\$ 4,043,039
ISO-NE Tariff Section II Charges				
3	Schedule 9 - Regional Network Service Charges	\$ 14,294,904	\$ 14,480,332	\$ 185,427
4	Schedule 1 - Scheduling, System Control & Dispatch	266,625	261,157	(5,468)
5	Schedule 16 - System Restoration and Planning Service	105,826	85,578	(20,248)
6	Schedule 2 - Reactive Supply and Voltage Control Service	257,656	172,635	(85,021)
	Subtotal	\$ 14,925,012	\$ 14,999,702	\$ 74,690
ISO-NE Tariff Section IV.A - Administrative Charges				
7	Schedule 1 - Scheduling & Dispatch Service	\$ 292,679	\$ 287,787	\$ (4,892)
8	Schedule 5 - NESCOE Budget	10,469	-	(10,469)
	Subtotal	\$ 303,148	\$ 287,787	\$ (15,361)
9	Subtotal of ISO-NE Tariff Charges	\$ 15,228,160	\$ 15,287,488	\$ 59,328
10	Total Estimated Expenses	\$ 18,461,798	\$ 22,564,165	\$ 4,102,367

**Summary of ISO-NE Tariff Section II Charges
Estimated For the Year 2015**

	(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	156,544	\$1,171,424	\$22,118	\$0	\$7,248	\$14,621	\$1,215,412
2 February	147,409	1,103,066	20,828	0	6,825	13,768	1,144,487
3 March	146,093	1,093,219	20,642	0	6,764	13,645	1,134,270
4 April	124,025	928,083	17,524	0	5,742	11,584	962,933
5 May	129,344	967,885	18,275	0	5,989	12,081	1,004,230
6 June	165,249	1,330,254	23,348	0	7,651	15,434	1,376,688
7 July	194,659	1,567,005	27,504	0	9,013	18,181	1,621,703
8 August	177,677	1,430,300	25,104	0	8,226	16,595	1,480,226
9 September	180,470	1,452,784	25,499	0	8,356	16,856	1,503,494
10 October	129,171	1,039,827	18,251	0	5,981	12,065	1,076,123
11 November	142,089	1,143,816	20,076	0	6,579	13,271	1,183,742
12 December	155,611	1,252,669	21,987	0	7,205	14,534	1,296,394
13 12-Mo Total	1,848,341	\$14,480,332	\$261,157	\$0	\$85,578	\$172,635	\$14,999,702

Line 1-12: Column (1) = NEPOOL Monthly Statements for the 12-month period ending August 2014

Line 1-5: Column (2) = 2014 RNS Rate * Column (1) / 12

2014 RNS Rate= \$ **89.80** /kW-YR

Line 6-12: Column (2) = Estimated 2015 RNS Rate * Column (1) / 12

2015 RNS Rate= \$ **96.60** /kW-YR

Line 1-12: Column (3) = Current Rate * Column (1) / 12

Rate = \$ **1.69551** /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 2015**

Period	(1) Monthly Regional Network Load	(2) Schedule 1 - Scheduling & Dispatch Service	(3) Schedule 5 - NESCOE Budget	(4) Section IV.A - Administrative Charges
1 January	156,544	\$24,374	\$0	\$24,374
2 February	147,409	22,952	0	22,952
3 March	146,093	22,747	0	22,747
4 April	124,025	19,311	0	19,311
5 May	129,344	20,139	0	20,139
6 June	165,249	25,729	0	25,729
7 July	194,659	30,308	0	30,308
8 August	177,677	27,664	0	27,664
9 September	180,470	28,099	0	28,099
10 October	129,171	20,112	0	20,112
11 November	142,089	22,123	0	22,123
12 December	155,611	24,229	0	24,229
13 Totals		\$287,787	\$0	\$287,787

Column (1) = Monthly Regional Network Load for the 12-month period ending August 2014

Column (2) = Column (1) * \$0.15570 per kW-month per ISO 2015 Capital Budget Filing

Column (3) = Column (1) * \$0.0 per kW-month per NESCOE 2015 Budget Filing

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

\$ 0.15570 kW-month
\$ - kW-month

Summary of Reactive Power & Black Start Costs Estimated For the Year 2015

Section I: Development of ISO-NE Schedule 2 Costs

1	Granite Total ISO-NE Schedule 2 Costs	\$218,218
2	2014 Granite Peak Load (KW)	194,659
		<hr/>
3	Estimated Rate / KW-Yr	\$1.1210
		<hr/>
4	Estimated Rate / KW-Mo	\$0.0934

Section II: Development of ISO-NE Schedule 16 Costs

5	Granite Total ISO-NE Schedule 16 Settlement Costs	\$108,238
6	2014 Granite Peak Load (KW)	194,659
		<hr/>
7	Estimated Rate / KW-Yr	\$0.5560
		<hr/>
8	Estimated Rate / KW-Mo	\$0.0463

Line 1 = Granite ISO-NE Schedule 2 costs for the 12 months ending August 2014

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 August 2014

Line 6 = Line 2

Line 7 = Line 5 / Line 6

Line 8 = Line 7 / 12

**Summary of New England Power - Schedule No. 21 Charges
Estimated For the Year 2015**

Period	(1) Net Monthly Demand Charge	(2) Load Dispatch Charge	(3) Specific Distribution Surcharge	(4) Transformer Surcharge	(5) Meter Surcharge	(6) Maintenance Service Credit	(7) Total NEP Costs
1 January	\$523,903	(\$2,475)	\$13,829	\$71,382	\$1,832	(\$2,081)	\$606,390
2 February	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
3 March	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
4 April	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
5 May	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
6 June	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
7 July	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
8 August	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
9 September	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
10 October	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
11 November	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
12 December	523,903	(2,475)	13,829	71,382	1,832	(2,081)	606,390
13 12- Mo Total	\$6,286,834	-\$29,698	\$165,950	\$856,583	\$21,980	-\$24,972	\$7,276,677

Column (1) = Monthly Average of the PTF & Non-PTF Monthly Demand Charges for the 12 month period ending September 2014

Adjusted to reflect impact of proposed NEP LNS capital investments in 2015

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

Column (3) = 197560 kW & \$0.70 per NEP Tariff as of June 2014

Column (4) = 198,283 kW (July 2014 Granite Peak) & \$0.36 per NEP Tariff as of June 2014

Column (5) = 18 meters * \$101.76 per meter per NEP Tariff as of June 2014

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

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

Column (8) = Total NEP Costs adjusted to reflect impact of capital investments

**Comparison of Actual LNS Transmission Expenses
For the 12 Months Periods Ending September 2013 & 2014**

NEP Schedule 21 Actual Expenses					
					(1)
	Coincident Network Load - PTF	NEP Monthly Trans Exp - PTF	NEP Monthly Trans Exp - NonPTF	Load Dispatch Charge	Non-PTF Sch 21-NEP
January-2013	153,530	(81,188)	200,854	(14,844)	\$207,676
February-2013	143,680	161,966	319,093	(16,311)	\$568,277
March-2013	136,993	34,832	247,082	28,698	\$412,652
April-2013	128,011	(36,498)	215,268	(7,539)	\$273,341
May-2013	176,816	155,222	273,531	(5,803)	\$525,515
June-2013	182,660	(90,282)	220,852	(8,325)	\$220,363
July-2013	197,514	(242,367)	224,542	(5,151)	\$75,244
August-2013	177,242	(380,536)	237,354	(7,766)	(\$52,891)
September-2013	191,391	(145,125)	252,250	(4,019)	\$200,778
October-2012	127,505	(174,576)	206,066	4,830	\$83,305
November-2012	138,455	299,891	327,081	(12,970)	\$718,568
December-2012	139,341	(236,183)	129,141	(13,869)	(\$18,347)
					\$3,214,480
January-2014	156,544	(35,966)	264,068	(11,712)	\$314,327
February-2014	147,409	(1,047)	280,545	3,408	\$380,351
March-2014	146,093	252,232	359,634	(4,705)	\$704,648
April-2014	124,025	(28,935)	266,780	(3,983)	\$332,195
May-2014	129,344	160,955	303,489	1,082	\$562,304
June-2014	165,249	234,375	334,773	4,104	\$656,019
July-2014	194,659	(41,828)	323,742	(2,162)	\$362,796
August-2014	177,677	(172,718)	313,768	(6,540)	\$219,221
September-2014	180,470	9,345	314,212	(4,445)	\$419,264
October-2013	129,171	(118,881)	276,216	(1,188)	\$254,654
November-2013	142,089	87,941	259,596	(631)	\$445,427
December-2013	155,611	64,308	270,331	(2,927)	\$430,320
					\$5,081,526
		% increase in NEP Expenses			58%

National Grid Local System Investment Plans

NEP LNS 2015 Projects

	<u>\$millions</u>
O-15S ACR	6.026
Read St Sub	2.200
Harrison Blvd Sub	3.000
Hull Lines	1.400
Revere Sub	2.012
S145 & T146 115kv Taps	0.301
T20 Meadow St	3.250
E. Hobrook Breaker	1.950
Norwell Area C3&S9 Lines	15.426
Merrimac Valley North Shore Reli	27.655
E Longmeadow	4.182
Slayton Hill Sub	1.630
Total	69.032

NEP LNS 2014 Projects

	<u>\$millions</u>
Comerford Sub Control House	3.277
E. Main St Sub Westboro	4.457
West Hampden	4.250
DuPont Sub	3.900
Ward Hill T1	2.700
Adams St	3.115
Highland Park	5.300
R144 Cable Repair	1.800
Q143 & R144 Refurbishment	10.800
Total	39.599