EXHIBIT
tabbies
DE 16-346
Rev Exh 3
5/3/16

Exhibit 3

Comparison of Actual LNS Transmission Expenses
For theYears 2013, 2014 & 2015

	NEP Schedule 21 Actual Expenses								
									(1)
									Non-PTF
	Coincident Network Load - PTF		NEP Monthly Trans Exp - PTF		NEP Monthly Trans Exp - NonPTF		Load Dispatch Charge		Sch 21-NEP
January-2013	153,530	153,530	(81,188)	(81,188)	200,854	200,854	(14,844)	(14,844)	$207,676
February-2013	143,680	143,680	161,966	161,966	319,093	319,093	(16,311)	(16,311)	$568,277
March-2013	136,993	136,993	34,832	34,832	247,082	247,082	28,698	28,698	$412,652
April-2013	128,011	128,011	(36,498)	(36,498)	215,268	215,268	(7,539)	(7,539)	$273,341
May-2013	176,816	176,816	155,222	155,222	273,531	273,531	(5,803)	(5,803)	$525,515
June-2013	182,660	182,660	(90,282)	(90,282)	220,852	220,852	(8,325)	(8,325)	$220,363
July-2013	197,514	197,514	(242,367)	(242,367)	224,542	224,542	(5,151)	(5,151)	$75,244
August-2013	177,242	177,242	(380,536)	(380,536)	237,354	237,354	(7,766)	(7,766)	($52,891)
September-2013	191,391	191,391	(145,125)	(145,125)	252,250	252,250	(4,019)	(4,019)	$200,778
October-2013	129,171	129,171	(118,881)	(118,881)	276,216	276,216	(1,188)	(1,188)	$254,654
November-2013	142,089	142,089	87,941	87,941	259,596	259,596	(631)	(631)	$445,427
December-2013	155,611	155,611	64,308	64,308	270,331	270,331	(2,927)	(2,927)	$430,320
									$3,561,356
January-2014	156,544	156,544	(35,966)	(35,966)	264,068	264,068	(11,712)	(11,712)	$314,327
February-2014	147,409	147,409	(1,047)	(1,047)	280,545	280,545	3,408	3,408	$380,351
March-2014	146,093	146,093	252,232	252,232	359,634	359,634	(4,705)	(4,705)	$704,648
April-2014	124,025	124,025	(28,935)	(28,935)	266,780	266,780	(3,983)	(3,983)	$332,195
May-2014	129,344	129,344	160,955	160,955	303,489	303,489	1,082	1,082	$562,304
June-2014	165,249	165,249	234,375	234,375	334,773	334,773	4,104	4,104	$656,019
July-2014	194,659	194,659	(41,828)	(41,828)	323,742	323,742	(2,162)	(2,162)	$362,796
August-2014	177,677	177,677	(172,718)	(172,718)	313,768	313,768	(6,540)	(6,540)	$219,221
September-2014	180,470	180,470	9,345	9,345	314,212	314,212	(4,445)	(4,445)	$419,264
October-2014	~~129,171~~	136,243	~~(118,881)~~	(129,907)	~~276,216~~	354,455	~~(1,188)~~	(4,292)	$306,082
November-2014	~~142,089~~	136,230	~~87,941~~	80,415	~~259,596~~	322,062	~~(631)~~	(1,013)	$487,196
December-2014	145,391	145,391	(133,976)	(133,976)	254,048	254,048	1,862	1,862	$155,784
									$4,900,186
						% increase in NEP Expenses		P Expenses	38%
January-2015	150,582	150,582	704	704	355,771	355,771	3,281	3,281	$449,852
February-2015	146,988	146,988	4,340	4,340	370,132	370,132	2,712	2,712	$462,152
March-2015	138,190	138,190	297,777	297,777	507,488	507,488	2,670	2,670	$893,053

Exhibit 3

Summary of ISO-NE Tariff Section II Charges
Estimated For the Year 2016

		(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)	
		Monthly PTF kW Load		OATT Schedule 9 - Regional Network Service Charges		OATT Schedule 1 - Scheduling, System Contraol & Dispatch		OATT Schedule 16 - System Restoration and Planning Service		OATT Schedule 2 - Reactive Supply and Voltage Control Service		ISO-NE OATT Tariff Section II Charges		ISO-NE Schedule 1 - Scheduling & Dispatch Service		ISO-NE Schedule 5 - NESCOE Budget		Total ISO-NE Transmision Charges	
1	January	~~142,969~~	**156,544**	~~$1,175,938~~	**$1,287,594**	~~$19,174~~	**$20,994**	~~$6,891~~	**$7,498**	~~$15,898~~	**$22,668**	~~$1,217,900~~	**$1,338,754**	~~$27,557~~	**$ 30,174**	~~$423~~	**$ 463**	~~$1,245,881~~	**$ 1,369,391**
2	February	147,409	147,409	1,212,457	1,212,457	19,769	19,769	~~7,105~~	**7,061**	~~16,392~~	**21,345**	~~1,255,723~~	**1,260,632**	28,413	28,413	436	436	~~1,284,573~~	**1,289,481**
3	March	146,093	146,093	1,201,633	1,201,633	19,593	19,593	~~7,042~~	**6,998**	~~16,246~~	**21,154**	~~1,244,513~~	**1,249,378**	28,159	28,159	432	432	~~1,273,105~~	**1,277,969**
4	April	124,025	124,025	1,020,121	1,020,121	16,633	16,633	~~5,978~~	**5,941**	~~13,792~~	**17,959**	~~1,056,523~~	**1,060,654**	23,906	23,906	367	367	~~1,080,796~~	**1,084,926**
5	May	162,952	162,952	1,340,300	1,340,300	21,854	21,854	~~7,854~~	**7,805**	~~18,120~~	**23,595**	~~1,388,128~~	**1,393,555**	31,409	31,409	482	482	~~1,420,020~~	**1,425,446**
6	June	166,099	166,099	1,453,089	1,453,089	22,276	22,276	~~8,006~~	**7,956**	~~18,470~~	**24,051**	~~1,501,841~~	**1,507,372**	32,016	32,016	492	492	~~1,534,349~~	**1,539,880**
7	July	194,659	194,659	1,702,942	1,702,942	26,106	26,106	~~9,383~~	**9,324**	~~21,646~~	**28,187**	~~1,760,076~~	**1,766,558**	37,521	37,521	576	576	~~1,798,173~~	**1,804,655**
8	August	188,019	188,019	1,644,853	1,644,853	25,215	25,215	~~9,063~~	**9,006**	~~20,908~~	**27,225**	~~1,700,038~~	**1,706,300**	36,241	36,241	557	557	~~1,736,836~~	**1,743,097**
9	September	180,470	180,470	1,578,812	1,578,812	24,203	24,203	~~8,699~~	**8,645**	~~20,068~~	**26,132**	~~1,631,782~~	**1,637,791**	34,786	34,786	534	534	~~1,667,101~~	**1,673,111**
10	October	136,243	136,243	1,191,899	1,191,899	18,272	18,272	~~6,567~~	**6,526**	~~15,150~~	**19,728**	~~1,231,888~~	**1,236,425**	26,261	26,261	403	403	~~1,258,552~~	**1,263,089**
11	November	136,230	136,230	1,191,785	1,191,785	18,270	18,270	~~6,566~~	**6,525**	~~15,149~~	**19,726**	~~1,231,770~~	**1,236,307**	26,258	26,258	403	403	~~1,258,432~~	**1,262,968**
12	December	145,391	145,391	1,271,929	1,271,929	19,499	19,499	~~7,008~~	**6,964**	~~16,167~~	**21,053**	~~1,314,603~~	**1,319,444**	28,024	28,024	430	430	~~1,343,057~~	**1,347,899**
13	**12-Mo Total**			~~$15,985,758~~	**$16,097,414**	~~$250,862~~	**$252,683**	~~$90,161~~	**$90,250**	~~$208,006~~	**$272,823**	~~$16,534,787~~	**$16,713,169**	~~$360,550~~	**$363,167**	~~$5,537~~	**$5,577**	~~$16,900,874~~	**$17,081,913**

Note	Rate label	Rate	Unit
Line 1-12: Column (1) = Highest Monthly Regional Network Load during the 2014 - 2015 period			
Line 1-5: Column (2) = 2015 OATT Schedule 9 RNS Rate * Column (1) / 12	2015 RNS Rate=	**$ 98.70**	/kW-YR
Line 6-12: Column (2) = Estimated 2016 RNS Rate * Column (1) / 12	2016 RNS Rate=	**$ 104.98**	/kW-YR
Line 1-12: Column (3) = Current OATT Schedule 1 Rate * Column (1) / 12	Rate =	**$ 1.60933**	/kW-YR
Line 1-12: Column (4) = 0 [No Reliability Must Run Contracts are currently in effect for New Hampshire]			
Line 1-12: Column (4) = JDW-3, Line 8 * Column (1)	Rate =	**$ 0.05679**	/kW-Month
Line 1-12: Column (5) = JDW-3, Line 4 * Column (1)	Rate =	**$ 0.13592**	/kW-Month
Line 1-12: Column (6) = Sum of Columns (2) thru (5)			
Line 1-12: Column (7) = Column (1) * $0.19275 per kW-month per ISO 2016 Capital Budget Filing	Rate =	$ 0.19275	kW-month
Line 1-12: Column (8) = Column (1) * $0.00296 per kW-month per NESCOE 2016 Budget Filing	Rate =	$ 0.00296	kW-month
Line 1-12: Column (9) = Sum of Columns (6) thru (8)			
Line 13 = Sum of Line 1 thru Line 12			

State of New Hampshire
Public Utilities Commission

Docket No. DE 16-346

Liberty Utilities (Granite State Electric) Corp., d/b/a Liberty Utilities

Annual Retail Rate Adjustment

Attestation of John D. Warshaw

I, John D. Warshaw, hereby attest that the information contained in revised JDW-4 is accurate to the best of my knowledge and belief.

John D. Warshaw