

July 31, 2014

VIA Electronic Filing

The Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Re: Annual Informational Filing Regarding ISO Tariff Charges in Effect as of June 1, 2014, Pursuant to Docket Nos. RT04-2-000, *et al.*

Dear Secretary Bose:

The Participating Transmission Owners Administrative Committee (“PTO AC”) on behalf of New England’s Participating Transmission Owners (“PTOs”), hereby submits for informational purposes this letter and supporting materials that identify updated rates for regional transmission and scheduling, system control and dispatch services effective as of June 1, 2014 under Section II of the ISO New England Inc. Transmission, Markets and Services Tariff (“ISO Tariff”). The updated charges are based on actual cost data for calendar year 2013 and estimated cost data for calendar year 2014 pursuant to Commission-approved formula rates contained in Attachment F and Schedule 1 under Section II of the ISO Tariff.

I. Background

By order issued March 24, 2004 in Docket RT04-2-000, *et al.*, the Commission accepted the formation of the New England RTO (“March 24 Order”).¹ In its November 3, 2004 order in that proceeding, the Commission accepted a comprehensive settlement agreement, subject to conditions, that would terminate the existing Commission-approved NEPOOL Open Access Transmission Tariff and replace it with Section II of the ISO Tariff (“November 3 Order”).² In its February 10, 2005 order, the Commission approved the implementation of the New England RTO, including the ISO Tariff, effective as of February 1, 2005 (“February 10 Order”).³ Finally, on

¹ *ISO New England, Inc.*, 106 FERC ¶ 61,280 (2004).

² *ISO New England, Inc.*, 109 FERC ¶ 61,147 (2004).

³ *ISO New England, Inc.*, 110 FERC ¶ 61,111 (2005).

October 31, 2006 and on March 24, 2008, the Commission established the Return on Equity (“ROE”) used to calculate the applicable revenue requirements under Attachment F.⁴ Together, these orders are referred to as the “RTO Orders”.

Pursuant to the Commission’s RTO Orders and Attachment F of the ISO Tariff, the PTOs are responsible for making annual informational filings with the Commission to reflect the regional formula transmission rates.⁵ Attachment F makes clear that an informational filing “does not reopen the formula rate ...but rather is contestable only with respect to the accuracy of the information contained in the informational filing.” Also in accordance with Attachment F, a draft of the attached information was posted on the ISO website for stakeholder review no less than 45 days prior to this informational filing.⁶

II. Charges Resulting from Annual Formula Rate Updates

Pursuant to Attachment F and Schedule 1 of the ISO Tariff, the PTOs are today submitting for informational purposes regional formula transmission charges for Regional Network Service (“RNS”), Through or Out (“TOU”) Service, and Scheduling, System Control & Dispatch Service (Schedule 1) that will be in effect for the period beginning June 1, 2014 through May 31, 2015. In accordance with the Commission’s December 5, 2005 order accepting tariff revisions in Docket Nos. ER06-17-000 and EL05-56-000,⁷ and certain recent Commission orders,⁸ the enclosed filing includes forecasted revenue requirements associated with projected capital additions to Pool Transmission Facilities (“PTF”), the Maine Power Reliability Program Construction Work In Progress (“MPRP CWIP”), the New England East West Solution Construction Work In Progress (“NEEWS CWIP”), and a true-up of the amounts billed in the prior rate year. Specifically, the Attachment F formula rate incorporates forecasted revenue requirements for PTF capital additions expected to be placed in service on or before December 31, 2014 and forecasted MPRP and NEEWS CWIP as of December 31, 2014. It also incorporates a true-up, with interest computed in accordance with Part 35.19a of the Commission’s regulations (18 CFR 35.19a), representing the difference between the PTF revenue requirement based on 2012 actual data, plus 2013 forecasted data, and the revenue requirements for 2013 based on actual data.

Pursuant to Attachment F of the ISO Tariff, the annual formula rates have been updated to reflect actual 2013 cost data, Forecasted Transmission Revenue Requirements associated with projected PTF additions for 2014 (i.e. the Forecast Period), and the Annual True-up including associated interest. This annual update results in a Pool RNS Rate of \$89.80/kW-year effective

⁴ *Bangor Hydro-Electric Co., et al.*, Opinion No. 489, 117 FERC ¶ 61,129 (2006); *Order on rehearing*, 122 FERC ¶ 61,265 (2008).

⁵ The first such informational filing was submitted to the Commission by the PTOs on May 12, 2005 under Docket Nos. RT04-2-000, et al. for regional rates in effect as of February 1, 2005.

⁶ The PTOs are aware of the Commission Staff Guidance on Formula Rate Updates issued July 17, 2014. The PTOs are reviewing applicable formula rate protocols for consistency with the Commission Staff’s guidance.

⁷ *ISO New England, Inc.* 113 FERC ¶ 61,243 (2005).

⁸ *Central Maine Power Company*, 128 FERC ¶ 61,143, *reh’g denied* 135 FERC ¶ 61, 139 (2011); *Northeast Utilities Service Company and National Grid USA*, 135 FERC ¶ 61,195 (2011). *The Connecticut Light and Power Company, Western Massachusetts Electric Company, and New England Power Company* FERC Docket Nos. ER12-1877-000 and ER12-1877-001, see Letter Order dated July 26, 2012 accepting additional modifications for NEEWS CWIP effective June 1, 2012.

June 1, 2014 through May 31, 2015. The new rate represents an increase of \$4.48 from the Pool RNS Rate of \$85.32/kW-year that went into effect on June 1, 2013. Attachments 3 and 4 provide a summary of the forecast and true-up related impacts on regional transmission charges. The annual update to the Schedule 1 formula rate results in a Schedule 1 charge of \$1.70/kW-year effective June 1, 2014. This represents an increase of \$0.01/kW-year over the Schedule 1 charge of \$1.69/kW-year based on 2012 data that went into effect as of June 1, 2013.

III. Attachments and Additional Supporting Information

The following supporting information has been provided and is enclosed herewith:

- This Transmittal Letter;
- Attachment 1 - Schedule 9 RNS Rates effective June 1, 2014 – May 31, 2015 based on 2013 actual data and 2014 forecasted data;
- Attachment 2 - PTOs' Annual Transmission Revenue Requirement calculations pursuant to Attachment F based on 2013 actual data and 2014 forecasted data (including Highgate Transmission Facilities ("HTF"));
- Attachment 3 – Summary of Forecasted Transmission Revenue Requirements associated with projected PTF additions and CWIP for MPRP and NEEWS for 2014;
- Attachment 4 – Annual True-up Summary;
- Attachment 5 - Schedule 1 Rates effective June 1, 2014 through May 31, 2015, based on 2013 data;
- Attachment 6 - PTOs' Annual Revenue Requirement calculations pursuant to Schedule 1, based on 2013 data;
- Attachment 7 - Service List of state regulators and other interested parties; and
- Attachment 8 - List of Participating Transmission Owners sponsoring this informational filing.

A copy of this submission is being sent to state regulators in New England, the New England Conference of Public Utility Commissioners ("NECPUC"), ISO New England Inc., NEPOOL and the Power Planning Committee of the New England Governors Conference, Inc. Attachment 7 identifies the service list of entities to whom this filing has been sent. In addition, Attachment 8 includes a service list of the PTOs making up the PTO AC and sponsoring this informational filing.

The Honorable Kimberly D. Bose
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Thank you for your attention to this matter. Please contact me if you have any questions concerning this informational filing.

Respectfully submitted,

/s/ Michael J. Hall

Michael J. Hall, Esq.
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& Chair of the PTO AC Legal Working Group
On behalf of the Participating Transmission Owners
Administrative Committee
Northeast Utilities Service Company
Manchester, NH 03101
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Attachments

cc: Persons and Entities identified in Attachments 7 and 8.

**Schedule 9 RNS Rates Effective June 1, 2014 – May 31, 2015
Based on 2013 Actual Data, 2014 Forecasted Data and Annual True-up**

PTO 2013 12 CP NETWORK LOADS

	2013
Local Networks	Network Load (MW)
Central Maine Power Co.	1,418.440
Emera Maine	254.663
Fitchburg Gas & Electric Light Co.	76.971
New England Power Co.	6,019.709
Northeast Utilities	7,235.546
NSTAR Electric Co.	4,339.080
The United Illuminating Co.	734.933
VT Transco LLC	831.238
Total	20,910.580

Long Term TOUT (MW)	0
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PTO RNS Rates for 6/1/14	PRE 97 RNS Rate	Post 96 RNS Rate	RNS Rates for June 1, 2014	RNS Rates previously in effect June 1, 2013	Delta
Total NE Rev Req	\$344,097,622	\$1,533,596,974			
Total NE Loads - kW	20,910,580	20,910,580			
Total NE RNS \$ / kW-yr.	16.45567	73.34072	89.79639	85.31819	4.47820

PTO 2013 Rev Req							
PTO Annual Input Data 2013							
	Customer #	DUNS #	DUNS Name	PTF Revenue Requirements			
				Pre-1997	Post-1996		
				PTF	PTF		
				\$	\$		
1	5	17-057-1897	Braintree Electric Light Department	\$ 144,673	\$ 1,362,936	1	
2	6	00-694-8954	Central Maine Power Company	\$ 17,204,907	\$ 234,358,293	2	
3	7	11-468-3899	Chicopee Electric Light Department	\$ 26,708	\$ 799,367	3	
4	51386	96-773-8696	Connecticut Transmission Municipal Electric	\$ 343,747	\$ 8,917,213	4	
5	2	00-694-9002	Emera Maine	\$ 913,486	\$ 50,353,845	5	
6	38	00-695-4317	Fitchburg Gas & Electric Light Co.	\$ 162,815	\$ 381,572	6	
7	44	08-465-0050	Holyoke Gas & Electric Department	\$ 1,169,086	\$ 2,081,628	7	
8	45	10-775-5126	Hudson Light & Power Department	\$ 204,065	\$ -	8	
9	6	06-099-4258	Maine Electric Power Company	\$ 3,105,402	\$ 1,714,115	9	
10	76	07-172-4900	Massachusetts Municipal Wholesale Electric	\$ 807,579	\$ 533,025	10	
11	79	15-597-6665	Middleborough Gas & Electric Department	\$ 47,246	\$ 902,712	11	
12	81	00-695-2881	New England Power Company	\$164,432,235	\$ 182,052,390	12	
13	51321	83-132-2677	New Hampshire Transmission, LLC	\$ 2,903,404	\$ 16,175,338	13	
14	112	95-910-8929	Northeast Utilities	\$ 66,148,984	\$ 602,215,243	14	
15	158	08-421-1572	Norwood Municipal Light Department	\$ -	\$ 2,563,775	15	
16	3	00-695-1552	NSTAR Electric Company	\$ 49,558,238	\$ 190,933,064	16	
17	148	86-703-4654	Reading Municipal Light Plant	\$ (142,959)	\$ 324,779	17	
18	153	04-661-6033	Taunton Municipal Light Plant	\$ (73,960)	\$ 13,633	18	
19	*	185	79-806-8342	Unitil Power Corp.	\$ 126,672	\$ -	19
20	181	00-691-7967	United Illuminating Company	\$ 21,271,544	\$ 94,937,914	20	
21	50853	78-039-9163	Vermont Transco LLC	\$ 12,474,570	\$ 138,008,051	21	
21	182	00-579-1934	Vermont Electric Power Co, Inc.	\$ 3,191,043	\$ 4,486,791	21	
22	51310	01-013-9228	Wallingford Electric	\$ 78,137	\$ 481,290	22	
23			Total	\$344,097,622	\$ 1,533,596,974	23	
			* Revenue requirement amounts indicate payments made to support PTF owned by other Participants.				

**PTOs' Annual Transmission Revenue Requirement Calculations
Pursuant to Attachment F
Based on 2013 Actual Data, 2014 Forecasted Data and Annual True-up**

Braintree Electric Light Department

Sheet: Input Panel

Input Panel

Regional Network Service
Annual Transmission Revenue Requirements
per Attachment F of the ISO New England Inc. Open Access Transmission Tariff

Shading denotes an input

Submitted on: 5/12/2014

Revenue Requirements for (year): 2013

Customer: Braintree Electric Light Department

Customer's NABs Number: 5

Name of Participant responsible for customer's billing: William Bottiggi

DUNs number of Participant responsible for customer's billing: 17-0571897

		<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	=	<u>170,122</u> (a)	<u>2,292,287</u> (f)
Total of Attachment F - Section J - Support Revenue		<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense		<u>54,338</u> (c)	<u>41,200</u> (h)
Total of Attachment F - Section L through O		<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>224,460</u> (e)=(a)-(b)+(c)+(d)	<u>2,333,487</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements			0 (m)
Annual True-up		<u>(77,214)</u>	<u>(939,252)</u> (n)
Interest Charge on Annual True-up		<u>(2,573)</u> (l)	<u>(31,299)</u> (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)		144,673 (p)	1,362,936 (q)
Annual Projected 2014 Revenue Requirement Total = Sum of Pre-97 Revenue Requirements, plus Post-96 Revenue Requirements, plus Annual True-up, and plus Interest on Annual True-up:			<u><u>1,507,609</u></u> (r) = (p)+(q)

Braintree Electric Light Department
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2013 and billed 06/13-05/14

RNS Rate

		Attachment F			
		Reference	Pre 1997	Post 1996	Reference
Line No.	I. INVESTMENT BASE	Section:			
1	Transmission Plant	I (A)(1)(a)	1,703,903	21,935,203	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	6,101	79,726	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	I (A)(1)(c)	0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>1,710,004</u>	<u>22,014,929</u>	
5	Accumulated Depreciation	I (A)(1)(d)	840,779	10,824,147	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	I (A)(1)(e)	0	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	I (A)(1)(f)	0	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	I (A)(1)(g)	0	0	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>869,225</u>	<u>11,190,782</u>	
10	Prepayments	I (A)(1)(h)	79	1,028	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	1,273	16,639	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	<u>18,098</u>	<u>177,172</u>	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		<u><u>888,675</u></u>	<u><u>11,385,621</u></u>	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	71,094	910,850	Worksheet 2
15	Depreciation Expense	I (B)	53,085	683,423	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	I (C)	0	-	Worksheet 4, line 4 column 5
17	Investment Tax Credit	I (D)	0	-	Worksheet 4, line 5 column 5
18	Property Taxes	I (E)	16,657	214,249	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	547	7,153	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	100,635	1,295,517	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	9,439	121,861	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	I (I)	0	0	
22a	Share of Seabrook Transmission Revenue Requirement		15,505	39,686	From MMWEC Analysis of BELD % Share
23	Transmission Support Revenue	I (J)	0		Worksheet 7
24	Transmission Support Expense	I (K)	34,712	0	Worksheet 7
25	Transmission Related Expense from Generators	I (L)	0	0	
26	Transmission Related Taxes and Fees Charge	I (M)	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	I (N)	0	0	Txm related Acct 456
28	Transmission Rents Received from Electric Properties	I (O)	0	0	Txm related Acct 454-rent
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>301,674</u></u>	<u><u>3,272,739</u></u>	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			3,484,510	
31	Post-2003 Enhanced Return Addition to Revenue Requirement			-	
32	Total Post-96 PTF Revenue Requirement			3,484,510	
33	Post-96 PTF Transmission Plant in Service			21,621,455	
34	Post-96 Carrying Charge Factor (Post-96 CCF)			14.7%	
35	Forecasted Post-96 PTF Plant Additions			0	
36	Forecasted Post-96 Localized PTF Plant Additions			0	
37	Forecasted Post-96 Pool-Supported PTF Plant Additions			0	
38	Post-96 Estimated Incremental Revenue Requirement			<u>0</u>	

RNS Rate

Braintree Electric Light Department
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2013

1 2013 Actual Annual RR			224,460	2,333,487	Input Panel Subtotals
2 2013 Est. Transmission Revenue Requirements (as billed)	6/13-05/14	Appendix C	301,674	3,272,739	ATR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)			<u>-77,214</u>	<u>-939,252</u>	

Pre'97 Post'96	Overcollection/(Undercollection)	
	(\$77,214)	
	(\$939,252)	

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2013	(\$77,214)	-\$939,252	0.27%	(\$208)	(\$2,536)
July 2013	(77,422)	-941,788	0.28%	(\$217)	(\$2,637)
August 2013	(77,422)	-941,788	0.28%	(\$217)	(\$2,637)
September 2013	(77,422)	-941,788	0.27%	(\$209)	(\$2,543)
October 2013	(78,065)	-949,605	0.28%	(\$219)	(\$2,659)
November 2013	(78,065)	-949,605	0.27%	(\$211)	(\$2,564)
December 2013	(78,065)	-949,605	0.28%	(\$219)	(\$2,659)
January 2014	(78,713)	-957,487	0.28%	(\$220)	(\$2,681)
February 2014	(78,713)	-957,487	0.25%	(\$197)	(\$2,394)
March 2014	(78,713)	-957,487	0.28%	(\$220)	(\$2,681)
April 2014	(79,351)	-965,242	0.27%	(\$214)	(\$2,606)
May 2014	(79,351)	-965,242	0.28%	(\$222)	(\$2,703)
				-2,573	-\$31,299
				-77,214	-\$939,252
				-\$79,787	-\$970,551

Voting Share

Sheet: Input Panel

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

PRE 97

 Shading denotes an input

Submitted on: 12-May-14

Revenue Requirements for (year): Calendar Year 2013

Customer: Braintree Electric Light Department

Customer's NABs Number: Customer ID: 05

Name of Participant responsible for customer's billing: Braintree Electric Light Department - William Bottiggi

DUNs number of Participant responsible for customer's billing: 17-057-1897

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>170,122</u> (a)	<u> </u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>54,338</u> (c)	<u>0</u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>224,460</u> (e)=(a)-(b)+(c)+(d)	<u>0</u> (j)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 224,460 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u> (h)

Voting Share Total for Participant's R Value: 224,460 (l)=(k)+(b)+(g)-(h)
 (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2013

Shading denotes an input

Line No.		Attachment F Reference	Braintree	Reference
	I. INVESTMENT BASE			
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	1,703,903	Worksheet 3a, L10
2	General Plant	(A)(1)(b)	21,449	Worksheet 3a, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3a, L14
4	Total Plant (Lines 1+2+3)		1,725,352	
5	Accumulated Depreciation	(A)(1)(d)	884,628	Worksheet 3a, L19
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3a, L24
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3a, L26
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3a, L32
9	Net Investment (Line 4-5-6+7+8)		840,724	
10	Prepayments	(A)(1)(h)	237	Worksheet 3a, L34
11	Materials & Supplies	(A)(1)(i)	3,775	Worksheet 3a, L36
12	Cash Working Capital	(A)(1)(j)	10,462	Worksheet 3a, 44
13	Total Investment Base (Line 9+10+11+12)		855,198	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	68,416	Worksheet 2a, E56
15	Depreciation Expense	(B)	52,486	Worksheet 4a, L12
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4a, L14
17	Investment Tax Credit	(D)	0	Worksheet 4a, L16
18	Property Tax Expense	(E)	17,981	Worksheet 4a, L21
19	Payroll Tax Expense	(F)	1,881	Worksheet 4a, L42
20	Operation & Maintenance Expense	(G)	14,067	Worksheet 4a, L29
21	Administrative & General Expense	(H)	15,291	Worksheet 4a, L40
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	54,338	Worksheet 7, E51
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		224,460	
			170,122	

Braintree Electric Light Department

Calendar Year 2013

Shading denotes an input

	CAPITALIZATION	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \text{Federal Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 855,198}{1} \right) \times 0$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{State Income Tax Rate}}{1} \right) + \text{Federal Income Tax} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 855,198}{1} \right) + 0.0000000 \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

(PTF)

INVESTMENT BASE	\$ 855,198	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>68,416</u>	To Worksheet 1

Braintree Electric Light Department

Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 24,732,508		24,732,508		1,703,903	Worksheet 5, E12 Page 8B line 29(g)
2	\$ 19,452,748	1.6005% (a)	311,341	6.8893%	21,449	
3			<u>25,043,849</u>		<u>1,725,352</u>	
4	0		0	6.8893%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	12,731,386		12,731,386	6.8893%	877,103	Page 8A, line 31(g) less Page 16, line 31(g) Page 8B, line 29(g) less Page 17, line 29(g)
6	6,824,736	1.6005% (a)	109,230	6.8893%	7,525	
7			<u>12,840,616</u>		<u>884,628</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	10.5570% (c)	0	6.8893%	0	None known
9	0	10.5570% (c)	0	6.8893%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	10.5570% (c)	0	6.8893%	0	None known
<u>Other Regulatory Assets</u>						
12	0	1.6005% (a)	0	6.8893%	0	None known
13	0	10.5570% (c)	0	6.8893%	0	None known
14	0	10.5570% (c)	0	6.8893%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	214,543	1.6005% (a)	3,434	6.8893%	237	Page 10, Line 26 MA DTE
17	3,423,278	1.6005%	54,790	6.8893%	3,775	Page 10, Line 24 MA DTE
<u>Cash Working Capital</u>						
19					14,067	Worksheet 1, Line 20
20					15,291	Worksheet 1, Line 21
21					54,338	Worksheet 1, Line 24
22					<u>83,696</u>	
23					0.125	x 45 / 360
24					<u>10,462</u>	

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

Braintree Electric Light Department

Calendar Year 2013

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
Depreciation Expense						
1	752,785		752,785	6.8893%	51,862	Page 16, line 31(d)
2	565,740	1.6005% (a)	9,055	6.8893%	624	Page 17, line 29(d)
3			761,840		52,486	
4	0	10.5570% (c)	0	6.8893%	0	None known
5	0	10.5570% (c)	0	6.8893%	0	None known
Property Taxes *						
6	2,146,885	0.10557	226,647	6.8893%	15,614	Page 21, line 33 (b)
7	2,146,885	1.6005% (a)	34,361	6.8893%	2,367	Page 21, line 33 (b)
8			261,008		17,981	
Transmission Operation and Maintenance						
9	204,182		204,182	0.068893	14,067	Page 40, line 50(b)
10	0		0	0.068893	0	Page 40, line 38(b)
11	0		0	0.068893	0	Page 40, line 34(b)
12	0		0	0.068893	0	Page 40, line 35(b) 40(b)
13	204,182		204,182	6.8893%	14,067	
Transmission Administrative and General						
14	9,011,677					Page 42, line 5(b)
15	867,703					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	0					assumed none
18	8,143,974	1.6005% (a)	130,344	6.8893%	8,980	
19	867,703	10.5570% (c)	91,603	6.8893%	6,311	
20	0	10.5570% (c)	0	6.8893%	0	
21	0	10.5570% (c)	0	6.8893%	0	
22	9,011,677		221,947		15,291	
23	1,705,649	1.6005% (a)	27,299	6.8893%	1,881	Per company workpapers

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Shading denotes an input

<u>Line No.</u>			<u>Mass DTE AR Reference</u>
	<u>PTF Transmission Plant Allocation Factor</u>	Braintree	
1	PTF Transmission Investment	1,703,903	
2	Total Transmission Investment	24,732,508	Per Braintree Workpapers Page 8A, line 31(g)
3	Percent Allocation (Line 1/Line 2)	<u>6.8893%</u>	
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	128,036	
5	Affiliated Company Transmission Wages and Salaries	0	See BELD General Ledger Worksheet 6 of 7
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	128,036	
7	Total Wages and Salaries	8,970,598	Page 42, line 24 (c)
8	Administrative and General Wages and Salaries	970,921	Page 41, line 43(b)
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	7,999,677	
11	Percent Allocation (Line 6/Line 10)	<u>1.6005%</u>	
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	24,732,508	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	47,416	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	24,779,924	
15	Total Plant in Service	234,725,508	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	<u>10.5570%</u>	

Affiliated Company Wages and Salaries

Shading denotes an input

Line		Braintree
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 = Total "Affiliated" Wages and Salaries		0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21		0

Braintree

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		\$1,500
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			\$8,147
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		\$19,083
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		\$2,329
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			\$2,295
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Seabrook				\$20,984
Total =			0	54,338

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Sheet: Input Panel

NEPOOL Tariff Billing
NEPOOL Annual Transmission Revenue Requirements
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

POST 96

Submitted on: 12-May-14

Revenue Requirements for (year): Calendar Year 2013

Customer: Braintree Electric Light Department

Customer's NABs Number: Customer ID: 05

Name of Participant responsible for customer's billing: Braintree Electric Light Department - William Bottiggi

DUNs number of Participant responsible for customer's billing: 17-057-1897

		<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	=	(a)	<u>2,292,287</u> (f)
Total of Attachment F - Section J - Support Revenue		<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense		(c)	<u>41,200</u> (h)
Total of Attachment F - Section (L through O)		<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>0</u> (e)=(a)-(b)+(c)+(d)	<u>2,333,487</u> (j)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:			<u>2,333,487</u> (k) = (e) + (j)
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)			<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)			<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)			<u>41,200</u> (h)
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)			<u><u>2,292,287</u></u> (l)=(k)+(b)+(g)-(h)

Calendar Year 2013

Shading denotes an input

Line No.		Attachment F Reference	Braintree	Reference
	I. INVESTMENT BASE			
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	23,028,605	Worksheet 3a, L10
2	General Plant	(A)(1)(b)	289,892	Worksheet 3a, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3a, L14
4	Total Plant (Lines 1+2+3)		23,318,497	
5	Accumulated Depreciation	(A)(1)(d)	11,955,988	Worksheet 3a, L19
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3a, L24
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3a, L26
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3a, L32
9	Net Investment (Line 4-5-6+7+8)		11,362,509	
10	Prepayments	(A)(1)(h)	3,197	Worksheet 3a, L34
11	Materials & Supplies	(A)(1)(i)	51,015	Worksheet 3a, L36
12	Cash Working Capital	(A)(1)(j)	54,746	Worksheet 3a, 44
13	Total Investment Base (Line 9+10+11+12)		11,471,467	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	917,717	Worksheet 2a, E56
15	Depreciation Expense	(B)	709,354	Worksheet 4a, L12
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4a, L14
17	Investment Tax Credit	(D)	0	Worksheet 4a, L16
18	Property Tax Expense	(E)	243,027	Worksheet 4a, L21
19	Payroll Tax Expense	(F)	25,418	Worksheet 4a, L42
20	Operation & Maintenance Expense	(G)	190,115	Worksheet 4a, L29
21	Administrative & General Expense	(H)	206,656	Worksheet 4a, L40
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	41,200	Worksheet 7, E51
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		2,333,487	

Braintree Electric Light Department

Calendar Year 2013

Shading denotes an input

	CAPITALIZATION	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \text{Federal Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 11,471,467}{1} \right) \times 0$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{State Income Tax Rate}}{1} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 11,471,467}{1} \right) \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

	(PTF)	
INVESTMENT BASE	\$ 11,471,467	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>917,717</u>	To Worksheet 1

Braintree Electric Light Department

Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 24,732,508		24,732,508		23,028,605	Worksheet 5, E12 Page 8B line 29(g)
2	\$ 19,452,748	1.6005% (a)	311,341	93.1107%	289,892	
3			<u>25,043,849</u>		<u>23,318,497</u>	
4	0		0	93.1107%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	12,731,386		12,731,386	93.1107%	11,854,283	Page 8A, line 31(g) less Page 16, line 31(g) Page 8B, line 29(g) less Page 17, line 29(g)
6	6,824,736	1.6005% (a)	109,230	93.1107%	101,705	
7			<u>12,840,616</u>		<u>11,955,988</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	10.5570% (c)	0	93.1107%	0	None known
9	0	10.5570% (c)	0	93.1107%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	10.5570% (c)	0	93.1107%	0	None known
<u>Other Regulatory Assets</u>						
12	0	1.6005% (a)	0	93.1107%	0	None known
13	0	10.5570% (c)	0	93.1107%	0	None known
14	0	10.5570% (c)	0	93.1107%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	214,543	1.6005% (a)	3,434	93.1107%	3,197	Page 10, Line 26 MA DTE
17	3,423,278	1.6005% (a)	54,790	93.1107%	51,015	Page 10, Line 24 MA DTE
<u>Cash Working Capital</u>						
19					190,115	Worksheet 1, Line 20
20					206,656	Worksheet 1, Line 21
21					41,200	Worksheet 1, Line 24
22					<u>437,971</u>	
23					0.125	x 45 / 360
24					<u>54,746</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

Braintree Electric Light Department

Calendar Year 2013

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Depreciation Expense</u>						
1	752,785		752,785	93.1107%	700,923	Page 16, line 31(d)
2	565,740	1.6005% (a)	9,055	93.1107%	8,431	Page 17, line 29(d)
3			761,840		709,354	
4	0	10.5570% (c)	0	93.1107%	0	None known
5	0	10.5570% (c)	0	93.1107%	0	None known
<u>Property Taxes *</u>						
6	2,146,885	10.5570% (c)	226,647	93.1107%	211,033	Page 21, line 33 (b)
7	2,146,885	1.6005% (a)	34,361	93.1107%	31,994	Page 21, line 33 (b)
8			261,008		243,027	
<u>Transmission Operation and Maintenance</u>						
9	204,182		204,182	93.1107%	190,115	Page 40, line 50(b)
10	0		0	93.1107%	0	Page 40, line 38(b)
11	0		0	93.1107%	0	Page 40, line 34(b)
12	0		0	93.1107%	0	Page 40, line 35(b) 40(b)
13	204,182		204,182	93.1107%	190,115	
<u>Transmission Administrative and General</u>						
14	9,011,677					Page 42, line 5(b)
15	867,703					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	0					assumed none
18	8,143,974	1.6005% (a)	130,344	93.1107%	121,364	
19	867,703	10.5570% (c)	91,603	93.1107%	85,292	
20	0	10.5570% (c)	0	93.1107%	0	
21	0	10.5570% (c)	0	93.1107%	0	
22	9,011,677		221,947		206,656	
23	1,705,649	1.6005% (a)	27,299	93.1107%	25,418	Per company workpapers

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Shading denotes an input

Calendar Year 2013

Line No. Mass DTE AR Reference

PTF Transmission Plant Allocation Factor

Braintree

1	PTF Transmission Investment	23,028,605	
2	Total Transmission Investment	24,732,508	Per Braintree Workpapers Page 8A, line 31(g)
3	Percent Allocation (Line 1/Line 2)	93.1107%	

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	128,036	
5	Affiliated Company Transmission Wages and Salaries	0	See BELD General Ledger Worksheet 6 of 7
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	128,036	
7	Total Wages and Salaries	8,970,598	Page 42, line 24 (c)
8	Administrative and General Wages and Salaries	970,921	Page 41, line 43(b)
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	7,999,677	
11	Percent Allocation (Line 6/Line 10)	1.6005%	

Plant Allocation Factor

12	Total Transmission Investment	24,732,508	
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	47,416	Line 2
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	24,779,924	<i>Worksheet 3, Line 2</i>
15	Total Plant in Service	234,725,508	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	10.5570%	

Affiliated Company Wages and Salaries

Shading denotes an input

Calendar Year 2013

Line	Braintree
"Affiliated" Transmission Wages and Salaries #560 - 573	
1	560
2	562
3	564
4	566
5	568
6	569
7	570
8	571
9	572
10	573
11 = 1 thru 10	Total Transmission
	0
12 = Total "Affiliated" Wages and Salaries	
	0
Less "Affiliated" Administrative and General Salaries #920 - 935	
13	920
14	921
15	923
16	925
17	926
18	928
19	930
20	935
21 = 13 thru 20	Total
	0
22 = 12 less 21	
	Total "Affiliated" less A&G
	0

BRAINTREE

Input Revenues associated with the PTF Supporting Facilities *
with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		0
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Seabrook				41,200
Total =			0	41,200

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

**ISO-NE Tariff Billing
PTO Annual Transmission Revenue Requirements
per OATT Attachment F**

Submitted on:	May 12, 2014
Revenue Requirements for (test year):	Calendar Year 2013
Rates Effective for the period: through:	June 1, 2014 May 31, 2015
Customer:	Central Maine Power Company
Customer's NABs Number:	06
Name of Participant responsible for customer's billing:	Central Maine Power Company
DUNs number of Participant responsible for customer's billing:	006948954

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	= \$ 16,267,795 (a)	\$ 210,943,386 (f)
Total of Attachment F - Section J - Support Revenue	<u>368,670 (b)</u>	<u>- (g)</u>
Total of Attachment F - Section K - Support Expense	<u>655,602 (c)</u>	<u>- (h)</u>
Total of Attachment F - Section (L through O)	<u>(151,406) (d)</u>	<u>(1,198,623) (i)</u>
Sub Total - Sum (A through I) - J + K + (L through O)	<u>16,403,321 (e)=(a)-(b)+(c)+(d)</u>	<u>209,744,763 (j)</u>
Forecasted Transmission Revenue Requirements (per Appendix C to Attachment F Implementation Rule)	<u>N/A</u>	<u>22,005,717 (k)</u>
Annual True-up (per Appendix C to Attachment F Implementation Rule)	<u>801,585 (l)</u>	<u>2,607,813 (m)</u>
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>\$ 17,204,907 (n)=(e)+(l)</u>	<u>\$ 234,358,293 (o)=(j)+(k)+(m)</u>
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)		<u>\$ 251,563,200 (p) = (n)+(o)</u>

Central Maine Power
Annual Revenue Requirements of PTF Facilities
2013

Line No.	Attachment F Reference	PRE97	POST 1996	TOTAL
I. INVESTMENT BASE				
	<i>Section:</i>			
1	(A)(1)(a)	\$ 106,377,483	\$ 842,147,489	\$ 948,524,972
2	(A)(1)(b)	1,189,562	9,417,277	10,606,839
3	(A)(1)(c)	286,658	2,269,353	2,556,011
4		<u>107,853,703</u>	<u>853,834,119</u>	<u>961,687,822</u>
5	(A)(1)(d)	(16,742,674)	(132,544,937)	(149,287,611)
6	(A)(1)(e)	(19,062,104)	(150,906,930)	(169,969,034)
7	(A)(1)(f)	72,178	571,404	643,582
8	(A)(1)(g)	35,584	281,701	317,285
9		<u>72,156,687</u>	<u>571,235,357</u>	<u>643,392,044</u>
10	(A)(1)(h)	21,448	169,798	191,246
11	(A)(1)(i)	559,429	4,428,769	4,988,198
12	(A)(1)(j)	352,219	2,504,433	2,856,651
13	II (A)(1)(k)	-	499,181,255	499,181,255
14		<u>\$ 73,089,783</u>	<u>\$ 1,077,519,612</u>	<u>\$ 1,150,609,395</u>
II. REVENUE REQUIREMENTS				
15	(A)	\$ 10,168,770	\$ 162,659,893	\$ 172,828,663
16	(B)	2,412,601	19,099,584	21,512,185
17	(C)	23,053	182,505	205,558
18	(D)	(28,643)	(226,753)	(255,396)
19	(E)	1,161,194	9,192,697	10,353,891
20	(F)	-	-	-
21	(G)	1,407,278	11,140,845	12,548,123
22	(H)	1,123,542	8,894,615	10,018,157
23	(I)	-	-	-
24	(J)	(368,670)	-	(368,670)
25	(K)	655,602	-	655,602
26	(L)	-	-	-
27	(M)	-	-	-
28	(N)	(151,406)	(1,198,623)	(1,350,029)
29	(O)	-	-	-
30		<u>\$ 16,403,321</u>	<u>\$ 209,744,763</u>	<u>\$ 226,148,084</u>

Central Maine Power
Annual Revenue Requirements of PTF Facilities
2012

Line No.	Attachment F Reference	PRE97	POST 1996	TOTAL
I. INVESTMENT BASE				
	<i>Section:</i>			
1	(A)(1)(a)	\$ 107,164,018	\$ 511,827,299	\$ 618,991,317
2	(A)(1)(b)	1,497,682	7,153,069	8,650,751
3	(A)(1)(c)	407,653	1,946,987	2,354,640
4		<u>109,069,353</u>	<u>520,927,355</u>	<u>629,996,708</u>
5	(A)(1)(d)	(21,795,217)	(104,096,003)	(125,891,220)
6	(A)(1)(e)	(16,258,075)	(77,650,093)	(93,908,168)
7	(A)(1)(f)	113,876	543,881	657,757
8	(A)(1)(g)	60,855	290,651	351,506
9		<u>71,190,792</u>	<u>340,015,791</u>	<u>411,206,583</u>
10	(A)(1)(h)	20,951	100,065	121,016
11	(A)(1)(i)	889,449	4,248,094	5,137,543
12	(A)(1)(j)	299,159	1,250,341	1,549,500
13	II (A)(1)(k)	-	568,241,559	568,241,559
14		<u>\$ 72,400,351</u>	<u>\$ 913,855,850</u>	<u>\$ 986,256,201</u>
II. REVENUE REQUIREMENTS				
15	(A)	\$ 10,299,942	\$ 140,671,857	\$ 150,971,799
16	(B)	2,255,981	10,774,778	13,030,759
17	(C)	34,074	162,738	196,812
18	(D)	(34,250)	(163,582)	(197,832)
19	(E)	1,110,822	5,305,388	6,416,210
20	(F)	-	-	-
21	(G)	1,735,355	8,288,219	10,023,574
22	(H)	358,978	1,714,512	2,073,490
23	(I)	-	-	-
24	(J)	(384,414)	-	(384,414)
25	(K)	683,350	-	683,350
26	(L)	-	-	-
27	(M)	-	-	-
28	(N)	(432,252)	(2,064,482)	(2,496,734)
29	(O)	-	-	-
30		<u>\$15,627,586</u>	<u>\$164,689,428</u>	<u>\$180,317,014</u>
31		<u>-</u>	<u>42,531,620</u>	<u>42,531,620</u>
32		<u>\$ 15,627,586</u>	<u>\$ 207,221,049</u>	<u>\$ 222,848,635</u>
33		<u>(43,533)</u>	<u>(2,230,889)</u>	<u>(2,274,422)</u>
34		<u>\$ 15,584,053</u>	<u>\$ 204,990,160</u>	<u>\$ 220,574,213</u>

**Central Maine Power
Transmission Revenue Requirements of PTF Facilities
2013 True-up**

Line No.	APPENDIX C - ANNUAL TRUE-UP	Rate Year	PRE97	POST 1996	Total	Reference
1	ATRR for True-up = 2013 Actual	6/1/2014 - 5/31/2015	\$ 16,403,321	\$ 209,744,763	\$ 226,148,084	RNS Details 2012 Revenue Requirements Line 30
2	ATRR subject to True-up = 2012 TY + 2013 Forecast (as billed)	6/1/2013 - 5/31/2014	<u>\$ 15,627,586</u>	<u>\$ 207,221,048</u>	<u>\$ 222,848,635</u>	RNS Details 2011 Revenue Requirements Line 32
3	Annual True-up (Line 1 - Line 2)		<u>\$ 775,735</u>	<u>\$ 2,523,715</u>	<u>\$ 3,299,450</u>	

Central Maine Power
FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities

Undercollection / (Overcollection)	
PRE97	775,735
Post1996	2,523,715

Initial Billing Period	Pre-97 Balance	Post-96 Balance	FERC Monthly Interest Rate	Pre-97 Interest	Post-96 Interest	Total RNS
June 2013	\$ 775,735	\$ 2,523,715	0.27%	\$ 2,094	\$ 6,814	
July 2013	777,830	2,530,529	0.28%	2,178	7,085	
August 2013	777,830	2,530,529	0.28%	2,178	7,085	
September 2013	777,830	2,530,529	0.27%	2,100	6,832	
October 2013	784,286	2,551,532	0.28%	2,196	7,144	
November 2013	784,286	2,551,532	0.27%	2,118	6,889	
December 2013	784,286	2,551,532	0.28%	2,196	7,144	
January 2014	790,795	2,572,710	0.28%	2,214	7,204	
February 2014	790,795	2,572,710	0.25%	1,977	6,432	
March 2014	790,795	2,572,710	0.28%	2,214	7,204	
April 2014	797,201	2,593,549	0.27%	2,152	7,003	
May 2014	797,201	2,593,549	0.28%	2,232	7,262	
				<u>\$ 25,850</u>	<u>\$ 84,099</u>	<u>\$ 109,949</u>
				<u>775,735</u>	<u>2,523,715</u>	<u>3,299,450</u>
				<u>\$ 801,585</u>	<u>\$ 2,607,813</u>	<u>\$ 3,409,398</u>

Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013

Line No.	II. INVESTMENT BASE	Attachment F Reference		Reference
		<u>Section:</u>		
1	Transmission Plant	II (A)(1)(a)	\$ 106,377,483	w/s 3, line 1 column 5
2	General Plant	II (A)(1)(b)	1,189,562	w/s 3, line 2 column 5
3	Transmission Plant Held for Future Use	II (A)(1)(c)	286,658	w/s 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>107,853,703</u>	
5	Accumulated Depreciation	II (A)(1)(d)	(16,742,674)	w/s 3, line 7 column 5
6	Accumulated Deferred Income Taxes	II (A)(1)(e)	(19,062,104)	w/s 3, line 10 column 5
7	Unamortized loss on Reacquired Debt	II (A)(1)(f)	72,178	w/s 3, line 11 column 5
8	Other Regulatory Assets	II (A)(1)(g)	35,584	w/s 3, line 14 column 5
9	Net Investment (Line 4+5+6+7+8)		<u>72,156,687</u>	
10	Transmission Prepayments	II (A)(1)(h)	21,448	w/s 3, line 15 column 5
11	Transmission Materials and Supplies	II (A)(1)(i)	559,429	w/s 3, line 16 column 5
12	Cash Working Capital	II (A)(1)(j)	352,219	w/s 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u>\$ 73,089,783</u>	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	II (A)	\$ 10,168,770	w/s 2, line 12
15	Depreciation Expense	II (B)	2,412,601	w/s 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	II (C)	23,053	w/s 4, line 4 column 5
17	Amortization of Investment Tax Credits	II (D)	(28,643)	w/s 4, line 5 column 5
18	Municipal Taxes	II (E)	1,161,194	w/s 4, line 8 column 5
19	Payroll Taxes	II (F)	-	w/s 4, line 9 column 5
20	Operation and Maintenance Expense	II (G)	1,407,278	w/s 4, line 14 column 5
21	Administrative and General Expense	II (H)	1,123,542	w/s 4, line 18 column 5
22	Transmission Related Regulatory Assessments	II (I)	-	
23	Transmission Support Revenues	II (J)	(368,670)	w/s 7, line 11 column a
24	Transmission Support Expenses	II (K)	655,602	w/s 7, line 11 column b
25	Transmission Related Expense from Generators	II (L)	-	
26	Taxes and Fees	II (M)	-	
27	Through and Out Revenues (Att G-R is ISO Revenues)	II (N)	(151,406)	w/s 20
28	Other Wheeling Revenues	II (O)	-	
29	Total Revenue Requirements (Line 14 thru 28)		<u>\$ 16,403,321</u>	

Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013

Line No.	see w/s 12 - capitalization	Capitalization 12/31/2013	Capitalization Ratios	Cost of Capital	Cost of Capital	Equity	
1	Long-Term Debt	\$ 949,500,000	39.346%	5.040%	1.983%		
2	Preferred Stock	571,300	0.024%	6.000%	0.001%	0.001%	
3	Common Equity	1,463,126,530	60.630%	11.640%	7.057%	7.057%	
4	Total Investment Return	<u>\$ 2,413,197,830</u>	<u>100.00%</u>		<u>9.041%</u>	<u>7.058%</u>	
5	Cost of Capital Rate=						
6	(a) Weighted Cost of Capital	=	9.041%				
7	(b) Federal Income Tax	=	$\frac{\text{PTF Inv.} \times \text{R.O.E.} + (\text{Tax Credit -w/s 1} + \text{w/s 13}) \times \text{PTF Inv. Base}}{\text{PTF Inv.} + \text{Equity AFUDC}}$			x	Federal Income Tax Rate
			(1)	(28,643)	+ (35,542)	(73,089,783)	(35.0%)
			(1)	(28,643)	+ (35,542)	(73,089,783)	(35.0%)
		=	3.806%				
8	(c) State Income Tax	=	$\frac{\text{PTF Inv.} \times \text{R.O.E.} + (\text{Tax Credit} + \text{of Deprec. Ex}) \times \text{PTF Inv. Base}}{\text{PTF Inv.} + \text{Equity AFUDC}}$			+	Federal Income Tax State Income Tax Rate)*
			(1)	(28,643)	+ (35,542)	(73,089,783)	(3.806%)*
			(1)	(28,643)	+ (35,542)	(73,089,783)	(8.93%)
		=	1.066%				
9	(a)+(b)+(c) Cost of Capital Rate	=	13.913%				
			(PTF)				
10	Investment Base	\$	73,089,783				
11	x Cost of Capital Rate		13.913%				
12	= Investment Return and Income Taxes	\$	<u>10,168,770</u>				

Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013

Line No.	(1) Total	(2) Wage/Plan Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	RNS Rate Worksheet or FERC Form 1 Reference for col (1) or (5)
<u>Transmission Plant</u>						
1	\$ -		\$ -		\$ 106,377,483	(d) w/s 5, line 1
2	203,839,783	6.8507% (a)	13,964,452	8.5185% (b)	1,189,562	w/s 17, line 5
3	Total (line 1+2)		<u>13,964,452</u>		<u>107,567,045</u>	
4	<u>Transmission Plant Held for Future Use</u>		3,365,121	8.5185% (b)	<u>286,658</u>	w/s 17, line 9
<u>Transmission Accumulated Depreciation</u>						
5	Transmission Accum. Depreciation		(190,486,011)	8.5185% (b)	(16,226,551)	w/s 17, line 4
6	General Plant Accum. Depreciation	6.8507% (a)	(6,058,844)	8.5185% (b)	(516,123)	w/s 17, line 7
7	Total (line 6+7)		<u>\$ (196,544,855)</u>		<u>\$ (16,742,674)</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	Accumulated Deferred Taxes (281-283)		(239,095,770)	8.5185% (b)	(20,367,373)	FF1 450.1 Notes, Pg. 274.1 L.9, C.k and FF1 450.1 Notes, Pg. 276, L. 19, C. k
9	Accumulated Deferred Taxes (190)		15,322,751	8.5185% (b)	1,305,269	FF1 450.1 Notes, Pg. 234, L. 18, C. c
10	Total (line 8+9)		<u>\$ (223,773,019)</u>		<u>\$ (19,062,104)</u>	
11	<u>Unamortized loss on Reacquired Debt</u>	47.0300% ©	847,309	8.5185% (b)	<u>72,178</u>	FF1 Pg 111, L.81, C.c
<u>Other Regulatory Assets</u>						
12	FAS 106	6.8507% (a)	417,722			FF1 Pg 232.1, L.37, C.f
13	FAS 109		-			DITs functionalized in FF 1 excluding FAS109 DITs, therefore the 109 reg asset is properly excluded.
14	Total (line 12+13)		<u>\$ 417,722</u>	8.5185% (b)	<u>\$ 35,584</u>	
15	<u>Transmission Prepayments</u>	6.8507% (a)	251,785	8.5185% (b)	<u>\$ 21,448</u>	w/s 17, line 10
16	<u>Transmission Materials and Supplies</u>		<u>6,567,220</u>	8.5185% (b)	<u>\$ 559,429</u>	FF1 450.1 Notes, Pg. 227, L. 12, C. c
<u>Cash Working Capital</u>						
18	Operation & Maintenance Expense				1,407,278	w/s 1, Line 20
19	Administrative & General Expense				1,123,541	w/s 1, Line 21
20	Net Transmission Support Expense				286,932	w/s 7, Line 13b
21	Subtotal (line 18+19+20)				<u>2,817,751</u>	
22					0.125	x 45 / 360
23	Total (line 21 * line 22)				<u>\$ 352,219</u>	

(a) Worksheet 5, line 11
(b) Worksheet 5, line 3
(c) Worksheet 5, line 16
(d) EHV/LV PTF Facilities

Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Worksheet or FERC Form 1 Reference
<u>Depreciation Expense</u>						
1	\$ 27,896,816		\$ 27,896,816	8.5185% (b)	\$ 2,376,390	w/s 17, line 2
2	6,205,035	6.8507% (a)	425,088	8.5185% (b)	36,211	w/s 17, line 6
3			28,321,904		2,412,601	
4	575,438	47.0300% (a)	270,628	8.5185% (b)	23,053	FF1 Pg 117, L.64, C.c
5	(714,950)	47.0300% (a)	(336,241)	8.5185% (b)	(28,643)	FF1 Pg 266, L.8, C.f
<u>Property Taxes</u>						
6	13,631,432		13,631,432	8.5185% (b)	1,161,194	FF1 450.1 Notes, Pg. 262, L. 14, C. i
7	-	6.8507% (a)	-	8.5185% (b)	-	
8	<u>\$ 13,631,432</u>		<u>\$ 13,631,432</u>		<u>\$ 1,161,194</u>	
9			-	8.5185% (b)	-	
<u>Operation and Maintenance Expense</u>						
10	145,865,336		145,865,336			w/s 17, line 8
11	125,686,172		125,686,172			FF1 Pg 321, L.96, C.b
12	3,143,069		3,143,069			FF1 Pg 321, L.84 thru 88, C.b
13	515,843		515,843			ws 11, line 18
14	<u>\$ 16,520,252</u>		<u>\$ 16,520,252</u>	8.5185% (b)	<u>\$ 1,407,278</u>	
<u>Administrative and General Expense</u>						
15	16,041,342	6.8507% (a)	1,098,944			w/s 9, line 31
16	415,616	47.0300% (a)	195,464			w/s 9, line 34
17	11,895,012	100.00%	11,895,012			w/s 9, line 340
18	<u>\$ 28,351,970</u>		<u>\$ 13,189,420</u>	8.5185% (b)	<u>\$ 1,123,541</u>	

(a) Worksheet 5, line 11
(b) Worksheet 5, line 3
(c) Worksheet 5, line 16
(d) Payroll taxes - FERC Form 1, page 263 lines 3,5&9 col i&l are recorded in acc't 184 and then cleared and properly functionalized to the appropriate accounts.

** Subtract Accounts #566 & #567 from O&M Expense to the extent that they include PTF Support Payments.

**Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Line No.			Worksheet or FERC Form 1 Reference
	<u>PTF Transmission Plant Allocation Factor</u>		
		Pre 1997	
1	PTF Transmission Investment	\$ 106,377,483	w/s 15
2	Total Transmission Investment	<u>1,248,782,743</u>	w/s 15
3	Percent Allocation	<u>8.5185%</u>	(line 1/2)
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	\$ 2,766,008	w/s 17, line 1
5	Affiliated Company Transmission Wages and Salaries	-	
6	Total Transmission Wages and Salaries	<u>2,766,008</u>	(line 4+5)
7	Total Wages and Salaries	46,389,250	FF1 Pg 354, L.28, C.b
8	Administrative and General Wages and Salaries	6,013,656	FF1 Pg 354, L.27, C.b
9	Affiliated Company Wages and Salaries less A&G	-	
10	Total Wages and Salaries net of A&G	<u>40,375,594</u>	(line 7-8+9)
11	Percent Allocation	<u>6.8507%</u>	(line 6/10)
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment (excluding capital leases)	\$ 1,248,782,743	line 2 above
13	Transmission Related General Plant	<u>13,964,452</u>	ws 3 line 2, col. 3
14	Total Transmission Related Plant	<u>\$ 1,262,747,195</u>	
15	Total Plant in Service	<u>\$ 2,684,984,908</u>	FF1 Pg 207, L.104, C.g
16	Percent Allocation	<u>47.0300%</u>	(line 14/15)

Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013

Affiliated Company Wages and Salaries

Line No.	"Affiliated" Transmission Wages and Salaries #560 - 573	-	Transmission Wages by 3 digit FERC	-	Worksheet or FERC Form 1 Reference
			560	\$ 338,299	
1	560	-	561-561.4	1,721,555	w/s 17 line 1b
			561.5-561.8	101,478	
2	562	-	562	587,363	
3	564	-	563	60,944	
4	566	-	564	-	
5	568	-	566	790,903	
			567	-	
6	569	-	568	172,572	
7	570	-	569	48,146	
8	571	-	570	414,374	
9	572	-	571	200,191	
10	573	-	572	50,634	
11 = 1 thru 10	Total Transmission	-	573	1,105	
				<u>\$ 4,487,564</u>	w/s 17, line 1a
12 = Total "Affiliated" Wages and Salaries		-			
Less "Affiliated" Administrative and General Salaries					
#920 - 935					
13	920	-			
14	921	-			
15	923	-			
16	925	-			
17	926	-			
18	928	-			
19	930	-			
20	935	-			
21 = 13 thru 20		-			
22 = 12 less 21 Total "Affiliated" less A&G		-	To Worksheet 5		

**Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

CENTRAL MAINE POWER CO.				
Line No.	Participant	PTF Supporting Facilities	Revenues (a)	Expenses (b)
1	NSTAR:	HQ Phase II - AC in MA	\$ -	\$ 34,156
2	Central Maine Power:	345 kV Buxton-South Gorham 386 line	260,097	-
3		115 kV Wyman 164-167 lines	102,042	-
4		115 kV Maine Yankee transmission	-	-
5		50% of double steel towers # 30-46 (sec 375)	6,531	-
6			-	-
7	New England Power:	Chester SVC	-	184,604
8		HQ Phase II - AC in MA	-	436,842
9				
10				
11		Total =	368,670	655,602
12				
13		Net Support (line 11b - 11a)		<u>\$ 286,932</u>

RNS Rate worksheet reference: col a - w/s 10, col b - w/s 11

Input Revenues associated with the PTF Supporting Facilities in column (a) and expenses associated with the facilities in column (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

**Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

**Summary of CMP System
Monthly Coincident Peaks**

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC Average

Network Load Customer	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Network Load (kW)	* Monthly Average Network Load (kW)
Central Maine Power	1,436,047	1,388,174	1,263,769	1,244,426	1,287,812	1,438,958	1,556,325	1,414,409	1,384,735	1,263,141	1,326,156	1,457,104	1,371,755	
Fox Island (NP)	1,573	1,448	1,377	1,201	1,037	1,422	1,797	1,539	1,478	1,979	2,050	2,324	1,602	
Kennebunk (NP)	19,239	17,366	16,078	15,043	17,016	18,220	19,699	18,371	18,645	15,933	17,749	20,874	17,853	
Gates Formed Fiber (NP)	-	-	-	-	-	-	-	-	-	-	-	-	-	
FPL - Madison Electric Works	6,497	6,053	5,384	5,027	4,355	5,037	5,065	4,785	5,032	4,893	5,615	6,294	5,336	
Madison Paper	14,772	14,238	17,346	16,524	21,462	14,688	19,524	33,430	23,160	34,600	33,740	18,540	21,835	
Westbrook Energy Center	-	-	-	-	-	-	-	-	-	-	-	-	-	
FPL Energy	37	36	-	83	4	43	39	39	33	139	120	132	59	
Total	1,478,165	1,427,315	1,303,954	1,282,303	1,331,686	1,478,368	1,602,449	1,472,573	1,433,083	1,320,685	1,385,430	1,505,268	1,418,440	

Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013

Line No.	Acc't	Description	Amount	
1	920	Administrative and General Salaries	\$ 7,996,238	FF1 Pg 323, L.181, C.b
2	921	Office Supplies and Expenses	3,063,499	FF1 Pg 323, L.182, C.b
3	922	Less Administrative Expenses Transferred	(505,998)	FF1 Pg 323, L.183, C.b
4	923	Outside Services	31,397,588	FF1 Pg 323, L.184, C.b
5	924	Property Insurance	415,616	FF1 Pg 323, L.185, C.b
6	925	Injuries and Damages	1,081,660	FF1 Pg 323, L.186, C.b
7	926	Employee Pensions and Benefits	(6,582,691)	FF1 Pg 323, L.187, C.b
8	928	Regulatory Commissions Expense	9,172,452	FF1 Pg 323, L.189, C.b
9	930.1	General Advertising	655,636	FF1 Pg 323, L.191, C.b
10	930.2	Miscellaneous General Expense	(1,487,452)	FF1 Pg 323, L.192, C.b
11	931	Rents	1,228,520	FF1 Pg 323, L.193, C.b
12	935	Maintenance of General Plant	3,105,466	FF1 Pg 323, L.196, C.b
13		Total Admin & Gen'l Exp.	<u>\$ 49,540,534</u>	
14		FERC assessments - Transmission (directly assigned)	1,047,576	FF1 Pg 350, L.24 thru 25, C.c & FF1 Pg 350, L.20, C.d
15		FERC assessments - subject to plant allocation factor	-	FF1 Pg 350
16		TOTAL FERC ASSESSMENTS	<u>\$ 1,047,576</u>	(line 14+15)
17		State Comm Exp & Assessments - Transmission (directly assigned)	29,474	FF1 Pg 350, L.4, C.c
18		Total State Assessments	<u>8,124,876</u>	FF1 Pg 350, L.3+L.4+L.5+L.6+L.7+L.8+L.9+L.11+L.12+L.13+L.15+L.21, C.c (includes \$1.5 mil for MPUC Docket # 2008-255)
19	928	Total Regulatory Commissions Expense:	<u>\$ 9,172,452</u>	(line 16+18) and line 8 above
20		General Advertising - Transmission related	-	
21		Non-Transmission related General Advertising Exp.	655,636	line 9 above
22	930.1	Total General Advertising Exp.	<u>\$ 655,636</u>	
Summary of Attachment F treatment of A&G				
23		Total A&G	49,540,534	(line 13)
24	923	less Outside Services	31,397,588	(line 4)
25	924	less Property Insurance	415,616	(line 5)
26	926	less pension credit directly assigned to T&D	(6,654,648)	MPUC Docket Nos. 2007-215/2008-111
27	928	less Regulatory Commissions Exp.	9,172,452	(line 19)
28	930.1	less Non-Trans. General Advertising Exp.	655,636	(line 9)
29	930.2	less Miscellaneous General Expense	(1,487,452)	FF1 Pg 320, L.192, C.b
30	920-935	less EPRI Expenses	-	
31		A&G subject to Wages and Salaries Allocation Factor:	<u>\$ 16,041,342</u>	to worksheet 4, line 15, column 1
32		Property Insurance	415,616	(line 5)
33		Regulatory Commissions Exp. - FERC assessments	-	(line 15)
34		Total A&G subject to Plant Allocation Factor	<u>\$ 415,616</u>	to worksheet 4, line 16, column 1
Items Directly Assigned to Transmission				
35	926010	MRFV - transmission only portion of pension credit	(791,903)	MPUC Docket Nos. 2007-215/2008-111
36		State assessments - Transmission (directly assigned)	29,474	(Line 17 above)
37		Outside Services- Transmission (directly assigned)	11,699,889	FF1 Pg 320, L.184, C.b
38		Miscellaneous General Expense- Transmission (directly assigned)	(90,024)	FF1 Pg 320, L.192, C.b
39		FERC Reg Comm Exp - Trans (directly assigned)	1,047,576	(Line 14 above)
40		total to w/s 4, line 17	<u>\$ 11,895,012</u>	w/s 4, line 17

Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013

Line No.	Party Billed	Facility/Nature of Revenues	RNS Rate Worksheet Reference	PTF	Non-PTF	Total	FERC Account
Support							
1	MEPCO	Section 375/392	ws 7, line 5, col. (a)	\$ (6,531)	\$ -	\$ (6,531)	454
2	Maine Yankee	Section 69	ws 7, line 4, col. (a)	-	-	-	454
3	WF Wyman #4 Joint Owners	Sections 164-167	ws 7, line 3, col. (a)	(102,042)	-	(102,042)	454
4	WF Wyman #4 Joint Owners	Section 386	ws 7, line 2, col. (a)	(260,097)	(382,255)	(642,352)	454
5	FPL			-	(210,278)	(210,278)	454
6	PSNH	Section 214 (from Kimball Rd substation)		-	-	-	454
7							
8		Total Support Revenues	ws 8, line 11, col. (a)	\$ (368,670)	\$ (592,533)	\$ (961,203)	
9							
Wheeling							
11	Jurisdictional Sales			\$ (175,934,930)	\$ -	\$ (175,934,930)	FF1 Pg 330, L.11 thru 15, C.n
12	RNS, TOUT, Sch 1			(204,817,428)	-	(204,817,428)	FF1 450.1 Notes Pg.328, L. 6
13	HVDC - Sch 20A-Central Maine Power			-	(4,323,553)	(4,323,553)	FF1 Pg 330, L.2 thru 4, C.n
14							
15		Total Wheeling Revenues		\$ (380,752,358)	\$ (4,323,553)	\$ (385,075,911)	
16							
17							
18							
19							
20							
21	RNS			\$ 199,337,600			FF1 450.1 Notes Pg.328, L. 6
22	SCH 1			4,129,799			
23	TOUT			1,350,029			
24	TOTAL			\$ 204,817,428			line 12, above

**Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Line No.	Party Paid	Facility/Nature of Expenses	RNS Rate Worksheet Reference	PTF	Non-PTF	Total	FERC Account
Support							
1	Boston Edison	7.1205 % of the cost of service for HQ Ph II, AC	ws 7, line 1, col b	\$ 34,156	-	\$ 34,156	566
2	NEP	NEP Ph II, AC -O&M		175,767	-	175,767	566
3		NEP Ph II, AC -RENTS		121,316	-	121,316	567
4		NEP Ph II, AC -INTEREST		139,759	-	139,759	431
5		NEP Ph II, AC -TOTAL	ws 7, line 8, col b	<u>436,842</u>	-	<u>436,842</u>	
6		NHH- Chester SVC	ws 7, line 7, col b	<u>184,604</u>	-	<u>184,604</u>	566
7		Total Support Expenses	ws 7, line 11, col b	<u>\$ 655,602</u>	\$ -	<u>\$655,602</u>	
Wheeling							
8	ISO-NE	Charges under the OATT		\$ 122,609,936	\$ -	\$ 122,609,936	lines 28 below
9	Bangor Hydro	Firm PTP Reservation for Energy Transferred to Herman Sta.		-	255,021	255,021	FF1 Pg 332, L.4, C.h
10	ISO-NE	Sch 1 - Part IV of ISO-NE Tariff		2,717,803	-	2,717,803	line 29 below
11	PSNH	Bolt Hill		<u>103,413</u>	-	<u>103,413</u>	FF1 Pg 332, L.2, C.h
12		Total Wheeling Expenses		<u>\$ 125,431,152</u>	\$ 255,021	<u>\$125,686,173</u>	

SUMMARY BY FERC ACCOUNT:

13		431			\$ 139,759	
14		565			125,686,173	FF1 Pg 332
15		566			394,527	
16		567 (566+567 to ws 4, line 13)		515,843	121,316	
17					<u>\$ 126,341,775</u>	
18	RNS				114,698,066	
19	Sch 1				2,440,981	
20	Sch 2 -CC				1,430,000	
21	Sch 2 -VAR Uplift				1,398,658	
22	Congestion Uplift				1,462,107	
23	Sch 16				1,302,151	
24	Load Response				(265,960)	
25	Sch 5-NESCO				143,932	
26	Total Charges ISO OATT				<u>122,609,936</u>	
27	ISO-NE Sch 1				2,717,803	line 12 above
28	Total ISO Tariff				<u>\$ 125,327,739</u>	FF1 Pg 332

**Central Maine Power
Pre-97 Revenue Requirements
For the Unadjusted Test Year Ended 2013**

	Capitalization 12/31/2013	Capitalization Ratios	Embedde d Cost of Capital	Cost of Capital	Equity Portion
Medium Term Notes	\$ 305,000,000	12.639%	5.40%		
Pollution Control	19,500,000	0.808%	5.59%		
Fame	-	0.000%	0.00%		
Mortgage Bonds	<u>625,000,000</u>	<u>25.899%</u>	4.68%		
Total Long-Term Debt	949,500,000	39.346%	5.04%	1.983%	0.00%
Preferred Stock	571,300	0.024%	6.00%	0.001%	0.001%
Common Equity	<u>1,463,126,530</u>	<u>60.630%</u>	11.64%	<u>7.057%</u>	<u>7.057%</u>
Total Investment Return	<u>\$ 2,413,197,830</u>	<u>100.00%</u>		<u>9.041%</u>	<u>7.058%</u>

Central Maine Power
Pre-97 RNS Revenue Requirement
For the Unadjusted Test Year Ended 2013

Source: Fixed Assets

Vintage	cost	afudc	% of total
1953-1970	-----no afudc data available-----		
1971	\$ 16,993,929	\$ 210,398	1.24%
1972	1,354,874	0	0.00%
1973	2,530,521	21,837	0.86%
1974	3,929,745	200	0.01%
1975	4,626,387	38,383	0.83%
1976	6,559,880	76,909	1.17%
1977	5,885,933	86,351	1.47%
1978	17,338,606	444,301	2.56%
1979	4,115,534	14,481	0.35%
1980	7,717,864	28,543	0.37%
1981	3,806,576	45,143	1.19%
1982	3,336,346	16,508	0.49%
1983	5,462,226	107,741	1.97%
1984	6,543,576	188,256	2.88%
1985	2,153,012	13,995	0.65%
1986	4,063,381	72,616	1.79%
1987	6,308,982	70,120	1.11%
1988	8,616,426	96,074	1.12%
1989	8,190,862	92,568	1.13%
1990	18,606,637	300,769	1.62%
1991	6,804,433	68,667	1.01%
1992	10,041,560	178,995	1.78%
1993	5,637,279	121,080	2.15%
1994	3,480,922	26,059	0.75%
1995	3,820,449	32,298	0.85%
1996	2,681,701	20,928	0.78%
1997	1,790,063	23,501	1.31%
1998	1,477,852	4,185	0.28%
1999	1,810,857	10,989	0.61%
2000	26,037,439	264,455	1.02%
2001	8,983,040	92,232	1.03%
2002	8,622,712	117,487	1.36%
2003	2,701,882	(16,453)	-0.61%
2004	13,379,541	151,747	1.13%
2005	10,790,340	187,716	1.74%
2006	14,151,218	57,062	0.40%
2007	41,386,528	247,340	0.60%
2008	84,332,796	3,500,923	4.15%
2009	44,549,845	355,246	0.80%
2010	20,636,193	558,551	2.71%
2011	29,046,140	374,354	1.29%
2012	100,664,413	342,000	0.34%
2013	61,678,656	823,106	1.33%
TOTALS	\$ 642,647,156	\$ 9,467,661	1.47%

Depreciation Exp from w/s 1 \$ 2,412,601

AFUDC adj to w/s 2 \$ 35,543

**Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

INVESTMENT-FERC A/C 101.1
(Not included in transmission plant)

G/L	Acc't	Capital Leases	Balance	Worksheet or FERC Form 1 Reference
	101101	Edison Drive	\$ -	
	101103	NEETCO HQDC	-	
	101104	VETCO HQDC	-	
	101105	NEP HQAC	2,261,315	
	101106	NHH HQDC	695,350	
	101107	NEH HQDC	<u>982,736</u>	
				Obligations Under Capital Leases
				NonCurrent + Obligations Under Capital
TOTAL CAPITAL LEASES			<u>\$ 3,939,400</u>	Leases Current

Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013

	PTF		Total PTF	Non-PTF	Total Transmission	Worksheet or FERC Form 1 Reference
	pre 1997	post 1996				
TRANSMISSION LINES	\$ 78,394,426	\$ 517,443,324	\$ 595,837,750	\$ 120,605,815	\$ 716,443,565	
SUBSTATIONS	28,369,032	327,759,770	356,128,802	180,741,394	536,870,196	
TOTALS	106,763,458	845,203,094	951,966,552	301,347,209	1,253,313,761	FF1 Pg 207, L.58, C.g
Less SCADA & RTUs directly assigned to Schedule 1	385,975	3,055,604	3,441,579	1,089,440	4,531,019	w/s 17, line 3, col b
Totals for RNS	\$ 106,377,483	\$ 842,147,490	\$ 948,524,973	\$ 300,257,769	\$ 1,248,782,742	w/s 17, line 3, col d

PRE 1997 PTF - from above	\$ 106,377,483	to w/s 5, line 1
POST 1996 PTF - from above	842,147,490	to Post 96 w/s 5, line 1
Total PRE 97 AND POST 96 PTF INVESTMENT	<u>\$ 948,524,973</u>	Total PTF Investment for RNS

**Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Property Description	Property Classification	Cost	Worksheet Reference	Reserve	Worksheet Reference	Depreciation	Worksheet Reference
Furniture & Equipment	General	\$ 2,480,122		\$ 571,026		\$ 161,696	
Structure Costs & Map Boards	General	5,250,390		1,984,935		123,453	
UPS	General	284,858		179,776		10,550	
EMS Hardware	General	1,885,690		1,834,871		193,715	
LMS	General	-		-		-	
EBCC	General	-		-		-	
Communication Equipment	General	772,770		641,663		55,873	
PC Equipment	General	-		-		-	
		<u>10,673,830</u>	w/s 17,5b	<u>5,212,271</u>	w/s 17,7b	<u>545,287</u>	w/s 17,6b
EMS Software	Intangible	7,929,600		7,905,934		5,745	
S/S RTU's & Scada	Transmission	4,531,019	w/s 17,3b	1,153,932	w/s 17,4b	113,357	w/s 17,2b
		<u><u>\$ 23,134,449</u></u>		<u><u>\$ 14,272,137</u></u>		<u><u>\$ 664,389</u></u>	

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Line No.	A FERC FORM 1 TOTAL	B LESS COST RECOVERED UNDER SCH 1	C Adjustments	D ADJUSTED TOTAL	WORKSHEET REFERENCE FOR COL. D
WAGES & PAYROLL EXPENSES					
1 FF1 Pg 354, L. 21 C.b	\$ 4,487,563	\$ (1,721,555)	\$ -	\$ 2,766,008	WS 5, LINE 4
TRANSMISSION DEPRECIATION EXPENSE					
2 FF1 Pg 336, L.7, C.f	\$ 28,010,173	\$ (113,357)	\$ -	\$ 27,896,816	WS 4, LINE 1
TRANSMISSION PLANT					
3 FF1 Pg 207, L.58, C.g	\$ 1,253,313,762	\$ (4,531,019)	\$ -	\$ 1,248,782,743	WS 5, LINE 2
TRANSMISSION ACCUM. DEPRECIATION					
4 FF1 Pg 219, L.25, C.c	\$ 191,639,943	\$ (1,153,932)	\$ -	\$ 190,486,011	WS 3, LINE 5
GENERAL PLANT					
5 FF1 Pg 207, L.99, C.g	\$ 214,513,613	\$ (10,673,830)	\$ -	\$ 203,839,783	WS 3, LINE 2
GENERAL PLANT DEPRECIATION EXPENSE					
6 FF1 Pg 336, L.10, C.f	\$ 6,750,322	\$ (545,287)	\$ -	\$ 6,205,035	WS 4, LINE 2
GENERAL PLANT ACCUM. DEPRECIATION					
7 FF1 Pg 219, L.28, C.c	\$ 93,653,507	\$ (5,212,271)	\$ -	\$ 88,441,236	WS 3, LINE 6
TRANSMISSION OPERATION & MAINTENANCE EXPENSE					
8 FF1 Pg 321, L.112, C.b	\$ 145,865,336	\$ -	\$ -	\$ 145,865,336	WS 4, LINE 10
TRANSMISSION PLANT HELD FOR FUTURE USE					
9 FF1 Pg 214, L.47- L.14-L.15, C.d	\$ 3,365,121	\$ -	\$ -	\$ 3,365,121	WS 3, LINE 4
10 TRANSMISSION PREPAYMENTS	\$ 36,673,551	\$ -	\$ 32,998,240	\$ 3,675,311	WS 3, LINE 15
FF1 Pg 111, L.57, C.c Excluded \$32,998,240 of prepaid income taxes reclassified from account 236					

**Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

EHV PTF		UG	NO OF	MILES	CKT
LINE	KV CONDUCTOR	OH	CKTS	PER CKT	MILES
Scobie - Buxton (CMP Section) (391)	345 2-850.8 ACSR	OH	1	30.50	30.50
Buxton - Surowiec (374)	345 2-850.8 ACSR	OH	1	26.60	26.60
Deerfield - Buxton (CMP Section) (385)	345 2-850.5 ACSR	OH	1	30.50	30.50
Surowiec - Maine Yankee (375)	345 2-850.8 ACSR	OH	1	24.00	29.72
	2-900 ACSR	OH	1	5.49	
	2-1590 ACSR	OH	1	0.23	
Surowiec - Buxton	345 2-850.8 ACSR	OH	1	26.23	26.48
	2-1590 ACSR	OH	1	0.25	
Larrabee Rd - Surowiec	345 2-1590 ACSR	OH	1	16.10	16.10
Surowiec - Maine Yankee (377)	345 2-850.8 ACSR	OH	1	24.20	29.81
	2-900 ACSR	OH	1	2.61	
Maine Yankee - Mason (378)	345 2-850.8 ACSR	OH	1	3.50	3.50
Buxton - South Gorham (386)	345 2-954 ACSR	OH	1	7.20	7.20
Orrington - Maxcy's (388)	345 2-1590 ACSR	OH	1	10.96	10.96
Orrington - Albion Road (3023)	345 2-1590 ACSR	OH	1	46.32	46.32
South Gorham - Raven Farm (3040)	345 2-954 ACSR	OH	1	17.38	17.50
	2-1590 ACSR			0.12	
Raven Farm - Surowiec (3020)	345 2-1590 ACSR	OH	1	13.00	13.00
TOTAL CENTRAL MAINE POWER COMPANY EHV PTF CKT. MILES					288.20

**Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

**Central Maine Power
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Wyman -Starks (63)	115	795 ACSR	OH	1	20.73	20.73
Starks - Livermore Falls (278)	115	795 ACSR	OH	1	26.52	26.52
Livermore Falls - Gulf Island (200)	115	795 ACSR	OH	1	23.16	23.96
		1113 ACSR	OH	1	0.80	
Wyman - Heywood Rd (83)	115	477 ACSR	OH	1	41.03	41.03
Wyman - Heywood Rd (241)	115	1113 ACSR	OH	1	38.70	41.09
		795 ACSR	OH	1	2.39	
Heywood Rd - Winslow (242)	115	477 ACSR	OH	1	1.10	1.10
Heywood Rd - Section 67A Tap (67A)	115	795 ACSR	OH	1	3.48	3.84
		1113 ACSR	OH	1	0.36	
Winslow - Albion Road (259)	115	477 ACSR	OH	1	4.68	5.08
					0.40	
Wyman - Athens (66)	115	795 ACSR	OH	1	15.22	15.22
Athens - Detroit (82)	115	795 ACSR	OH	1	17.93	17.93
Detroit - Albion Rd (67)	115	795 ACSR	OH	1	15.88	19.25
		1113 ACSR	OH	1	3.37	
Albion Rd - Maxcys (257)	115	795 ACSR	OH	1	20.66	21.41
		1113 ACSR	OH	1	0.75	
Albion Rd - Maxcys (258)		795 ACSR	OH	1	20.70	21.40
		1113 ACSR	OH	1	0.70	
Detroit - Bucksport (203)	115	795 ACSR	OH	1	9.47	34.04
		1113 ACSR	OH	1	24.57	
Bucksport - Orrington (CMP Secs only) (65 & 205)	115	795 ACSR	OH	2	6.63	13.30
Bucksport - Highland (86)	115	788 ACCR	OH	1	0.48	39.38
		1272 AI	OH	1	30.20	
		1113 ACSR	OH	1	8.70	
Highland - Newcastle (226)	115	1272 AI	OH	1	19.00	19.00
Mason - Newcastle (204)	115	1272 AI	OH	1	6.97	11.18
	115	795 ACSR	OH	1	4.21	
Highland - Maxcys (80)	115	266.8 ACSR	OH	1	22.00	22.00
Maxcys - Mason (68)	115	795 ACSR	OH	1	23.70	23.70
Maxcys - Bowman Street (60)	115	1113 ACSR	OH	1	12.04	12.35
	115	795 ACSR	OH	1	0.31	
Bowman St. - Monmouth (269)	115	1113 ACSR	OH	1	11.46	11.46
Monmouth 0 Larrabee Rd (212)	115	1113 ACSR	OH	1	11.04	11.04
Mason - Bath 115 (207)	115	266.8 ACSR	OH	1	0.50	17.43
		795 ACSR	OH	1	16.93	
Mason - Surowiec (81)	115	336.4 ACSR	OH	1	28.60	28.60
Larrabee Rd - Surowiec (64)	115	795 ACSR	OH	1	13.39	15.85
		1113 ACSR	OH	1	2.46	
Surowiec - Spring Street (166)	115	795 ACSR	OH	1	20.89	23.95
		1113 ACSR	OH	1	3.06	
Larrabee Rd - Crowleys (201)	115	795 ACSR	OH	1	6.48	6.73
		1113 ACSR	OH	1	0.25	
Crowleys - Surowiec (62)	115	795 ACSR	OH	1	9.13	9.30
		1113 ACSR	OH	1	0.17	
Yarmouth - Moshers (165)	115	1113 ACSR	OH	1	0.51	19.85
	115	795 ACSR	OH	1	19.34	
Yarmouth - Spring St. (164)	115	1113 ACSR	OH	1	0.39	23.25
	115	795 ACSR	OH	1	22.86	
Moshers - South Gorham (162)	115	1113 ACSR	OH	1	3.40	3.40
Westbrook 115 - South Gorham (169)	115	2-1113 ACSR	OH	1	3.00	3.00
Westbrook 115 - Spring St (232)	115	2-1113 ACSR	OH	1	0.90	0.90
Westbrook 115 - South Gorham (231)	115	2-1113 ACSR	OH	1	3.00	3.00

**Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Central Maine Power Lower Voltage PTF						
Westbrook 115 - Spring St (233)	115	2-1113 ACSR	OH	1	0.90	0.90
Maguire Rd - Quaker Hill (140)	115	1113 ACSR	OH	1	10.30	10.30
Three Rivers - Quaker Hill (197)	115	1113 ACSR	OH	1	9.40	9.40
Maguire Rd - Three Rivers (250)	115	1113 ACSR	OH	1	10.87	19.61
	115	795 ACSR	OH	1	8.74	
Louden - Maguire Rd (238)	115	795 ACSR	OH	1	9.60	11.41
		1113 ACSR	OH	1	1.81	
Louden - Maguire Rd (163)	115	1113 ACSR	OH	1	11.37	11.37
Spring St. - Pleasant Hill (234)	115	795 ACSR	OH	1	5.99	5.99
Pleasant Hill - Cape Steam (160)	115	4/0 Cu	OH	1	1.07	4.07
		795 ACSR	OH	1	3.00	
Bath 115 - Surowiec (69)	115	795 ACSR	OH	1	20.85	20.85
Sewall St. - Fore River (277)	115	2500 MCM AL	UG	1	1.25	1.25
Fore River - Cape Steam (275)	115	2500 MCM AL	UG	1	1.39	1.39
Surowiec - Moshers (167)	115	795 ACSR	OH	1	17.94	20.79
		1113 ACSR	OH	1	2.85	
Larrabee Rd - Norway (61)	115	795 ACSR	OH	1	19.72	20.05
		1113 ACSR	OH	1	0.33	
Norway - Kimball Rd. (87)	115	795 ACSR	OH	1	6.60	6.60
Surowiec - Raymond (208)	115	795 ACSR	OH	1	15.70	15.70
Raymond - Kimball Rd. (209)	115	795 ACSR	OH	1	16.50	16.50
Kimball Road - PSNH St #1 (214)	115	795 ACSR	OH	1	22.57	22.57
Moshers - Sewall St. (161)	115	795 ACSR	OH	1	7.53	7.53
Livermore Falls - Riley (89)	115	795 ACSR	OH	1	2.32	7.26
		1113 ACSR	OH	1	4.94	
Riley - Rumford IP (229)	115	795 ACSR	OH	1	1.35	15.27
		1113 ACSR	OH	1	13.92	
Rumford - Rumford IP (228)	115	795 ACSR	OH	1	1.10	1.10
Rumford - Rumford IP (243)	115	1113 ACSR	OH	1	1.21	1.21
Rumford IP - Woodstock (221)	115	1113 ACSR	OH	1	12.43	12.43
Woodstock - Kimball Rd (217)	115	1113 ACSR	OH	1	20.58	20.58
Rumford - Woodstock (211)	115	1113 ACSR	OH	1	13.40	13.40
Woodstock - Kimball Rd. (210)	115	795 ACSR	OH	1	20.60	20.60
Maxcys - Augusta East (88)	115	1113 ACSR	OH	1	4.68	11.06
	115	795 ACSR	OH	1	6.38	
Augusta East - Bowman St. (213)	115	795 ACSR	OH	1	17.00	17.00
South Gorham - Loudon (219 & 220)	115	795 ACSS	OH	2	9.25	18.50
Crowley's - Lewiston Lower (202)	115	795 ACSR	OH	1	3.50	3.50
Hotel Road - Lewiston Lower (75)	115	795 ACSR	OH	1	8.10	8.10
Hotel Road - Junction Section 61 (61A)	115	795 ACSR	OH	1	10.60	10.60
South Gorham - W. Buxton (223)	115	1113 ACSR	OH	1	9.40	9.40
W. Buxton - Waterboro (224)	115	1113 ACSR	OH	1	8.10	8.10
Waterboro - Sanford (225)	115	1113 ACSR	OH	1	12.60	12.60
Sanford - Maguire Rd (237)	115	1113 ACSR	OH	1	0.70	7.20
	115	795 ACSR	OH	1	6.50	
TOTAL CENTRAL MAINE POWER COMPANY LOWER VOLTAGE PTF CKT. MILES						<u>1015.46</u>
TOTAL CENTRAL MAINE POWER COMPANY CKT. MILES						<u><u>1303.66</u></u>

**Central Maine Power
Pre-97 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Through and Out Revenues

From Worksheet 10, line 23	\$	1,350,029	
		-	
Short-Term & Non-Firm T&O		1,350,029	See p.450 notes for p328,line 14

	PTF BALANCE (see w/s 15)	% OF TOTAL	Revenues
PRE 1997 PTF	\$ 106,377,483	11.22%	\$ 151,406
POST 96 PTF	842,147,489	88.78%	1,198,623
TOTAL	\$ 948,524,972	100.00%	\$ 1,350,029

Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013

Line No.	II. INVESTMENT BASE	Attachment F Reference		Reference
		<i>Section:</i>		
1	Transmission Plant	II (A)(1)(a)	\$ 842,147,489	w/s 3, line 1 column 5
2	General Plant	II (A)(1)(b)	9,417,277	w/s 3, line 2 column 5
3	Transmission Plant Held for Future Use	II (A)(1)(c)	2,269,353	w/s 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>853,834,119</u>	
5	Accumulated Depreciation	II (A)(1)(d)	(132,544,937)	w/s 3, line 7 column 5
6	Accumulated Deferred Income Taxes	II (A)(1)(e)	(150,906,930)	w/s 3, line 10 column 5
7	Unamortized loss on Reacquired Debt	II (A)(1)(f)	571,404	w/s 3, line 11 column 5
8	Other Regulatory Assets	II (A)(1)(g)	281,701	w/s 3, line 14 column 5
9	Net Investment (Line 4+5+6+7+8)		<u>571,235,357</u>	
10	Transmission Prepayments	II (A)(1)(h)	169,798	w/s 3, line 15 column 5
11	Transmission Materials and Supplies	II (A)(1)(i)	4,428,769	w/s 3, line 16 column 5
12	Cash Working Capital	II (A)(1)(j)	2,504,433	w/s 3, line 23 column 5
13	MPRP CWIP	II (A)(1)(k)	<u>499,181,255</u>	w/s 3, line 24 column 5
14	Total Investment Base (Line 9+10+11+12)		<u>\$ 1,077,519,612</u>	
II. REVENUE REQUIREMENTS				
15	Investment Return and Income Taxes	II (A)	\$ 162,659,893	w/s 2, line 12
16	Depreciation Expense	II (B)	19,099,584	w/s 4, line 3 column 5
17	Amortization of Loss on Reacquired Debt	II (C)	182,505	w/s 4, line 4 column 5
18	Amortization of Investment Tax Credits	II (D)	(226,753)	w/s 4, line 5 column 5
19	Municipal Taxes	II (E)	9,192,697	w/s 4, line 8 column 5
20	Payroll Taxes	II (F)	-	w/s 4, line 9 column 5
21	Operation and Maintenance Expense	II (G)	11,140,845	w/s 4, line 14 column 5
22	Administrative and General Expense	II (H)	8,894,615	w/s 4, line 18 column 5
23	Transmission Related Regulatory Assessments	II (I)	-	
24	Transmission Support Revenues	II (J)	-	
25	Transmission Support Expenses	II (K)	-	
26	Transmission Related Expense from Generators	II (L)	-	
27	Taxes and Fees	II (M)	-	
28	Through and Out Revenues (Att G-R is ISO Revenues)	II (N)	(1,198,623)	w/s 13
29	Other Wheeling Revenues	II (O)	<u>-</u>	
30	Total Revenue Requirements (Line 14 thru 28)		<u>\$ 209,744,763</u>	
	Forecasted Transmission Revenue Requirements - 2014		22,005,717	w/s 15, line 3
	Total - 2013 Actual + 2014 Forecasted		<u>\$ 231,750,480</u>	

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Line No.	see w/s 8 - capitalization	Capitalization 12/31/2013	Capitalization Ratios	Cost of Capital	Cost of Capital	Equity
1	Long-Term Debt	\$ 949,500,000	39.346%	5.040%	1.983%	
2	Preferred Stock	571,300	0.024%	6.000%	0.001%	0.001%
3	Common Equity	1,463,126,530	60.630%	11.640%	7.057%	7.057%
4	Total Investment Return	<u>\$ 2,413,197,830</u>	<u>100.00%</u>		<u>9.041%</u>	<u>7.058%</u>

5 Cost of Capital Rate=

6 (a) Weighted Cost of Capital = 9.041%

7 (b) Federal Income Tax

	PTF Inv.	Equity	AFUDC			
=	(R.O.E. + (Tax Credit -w/s 1+ w/s 13) / PTF Inv. Base)			x	Federal Income Tax Rate)
	(1			-	Federal Income Tax Rate)
=	(+ ((226,753) + 281,375) / 1,077,519,612)			x	35.00%)
	(1			-	35.00%)
=	3.803%					

8 (c) State Income Tax

	PTF Inv.	Equity	AFUDC			
=	(R.O.E. + (Tax Credit + of Deprec. Exp.) / PTF Inv. Base)			+	Federal Income Tax	)* State Income Tax Rate
	(1			-	State Income Tax Rate)
=	(+ ((226,753) + 281,375) / 1,077,519,612)			+	3.80%	)* 8.93%
	(1			-	8.93%)
=	1.066%					

9 (a)+(b)+(c) Cost of Capital Rate = 13.910%

	Post-96 (PTF)	Post 2003 RSP ptf (Incremental Return Calc)	MPRP (Incremental Return Calc)	investment Return & Taxes including Incremental Return	
10	Investment Base	\$ 1,077,519,612	53,383,882	955,380,033	
11	x Cost of Capital Rate	13.910%	1.024%	1.281%	
12	= Investment Return and Income Taxes	<u>\$ 149,879,745</u>	<u>\$ 546,507</u>	<u>\$ 12,233,641</u>	<u>\$ 162,659,893</u> w/s 1 line 15

**Central Maine Power
Post 1996 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Investment Base Calculation for Incremental Return and Associated Income Taxes for Post-2003 PTF, MPRP PTF and MPRP CWIP

Line No.	<u>TOTAL MPRP</u>	<u>MPRP CWIP</u>	<u>MPRP PTF</u>	<u>Post 2003 RSP PTF</u>
1 MPRP CWIP	\$ 499,181,255	\$ 499,181,255	\$ -	\$ -
2 MPRP PTF Investment	578,283,402	-	578,283,402	72,913,341
3 Depreciation Reserve	(15,735,258)	-	(15,735,258)	(10,491,288)
4 Accumulated Deferred Income Taxes	(106,349,366)	-	(106,349,366)	(9,038,171)
5 INVESTMENT BASE	<u>\$ 955,380,033</u>	<u>\$ 499,181,255</u>	<u>\$ 456,198,778</u>	<u>\$ 53,383,882</u>
	w/s 2 line 10			w/s 2 line 10
6 Cost of Capital Rate - 11.64% ROE		13.90970%	w/s 2, line 9	
7 Cost of Capital Rate - 1.25% bp ROE adder for MPRP		<u>1.28050%</u>	w/s 2, line 11	
8 MPRP Cost of Capital Rate (MCOC)		<u>15.19020%</u>	(6+7)	
9 MPRP CWIP - Base		69,434,615	(5 x 6)	
10 MPRP CWIP - Incremental		<u>6,392,016</u>	(5 x 7)	
11 Investment Return and Income Taxes - MPRP CWIP		<u>\$ 75,826,631</u>	(9+10)	
12 Investment Return and Income Taxes - Total		162,659,893	w/s 1, line 15	
13 Less Inv Return&Taxes- MPRP CWIP		<u>(75,826,631)</u>	(11)	
14 Investment Return and Income Taxes - Post96 PTF		<u>\$ 86,833,262</u>		
		w/s 15, line 10		

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Line No.	(1) Total	(2) Wage/Plan Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	RNS Rate Worksheet or FERC Form 1 Reference for col (1) or (5)
<u>Transmission Plant</u>						
1	\$ -		\$ -		\$ 842,147,489	(d) w/s 5, line 1
2	203,839,783	6.8507% (a)	13,964,452	67.4375% (b)	9,417,277	w/s 12, line 5
3	Total (line 1+2)		\$ 13,964,452		\$ 851,564,766	
4	<u>Transmission Plant Held for Future Use</u>		3,365,121	67.4375% (b)	\$ 2,269,353	w/s 12, line 9
<u>Transmission Accumulated Depreciation</u>						
5	(190,486,011)		(190,486,011)	67.4375% (b)	(128,459,004)	w/s 12, line 4
6	(88,441,236)	6.8507% (a)	(6,058,844)	67.4375% (b)	(4,085,933)	w/s 12, line 7
7	\$ (278,927,247)		\$ (196,544,855)		\$ (132,544,937)	
<u>Transmission Accumulated Deferred Taxes</u>						
8	(239,095,770)		(239,095,770)	67.4375% (b)	(161,240,210)	FF1 450.1 Notes, Pg. 274.1 L.9, C.k and FF1 450.1 Notes, Pg. 276, L. 19, C. k
9	15,322,751		15,322,751	67.4375% (b)	10,333,280	FF1 450.1 Notes, Pg. 234, L. 18, C. c
10	\$ (223,773,019)		\$ (223,773,019)		\$ (150,906,930)	
11	<u>Unamortized loss on Reacquired Debt</u>	47.0300% ©	847,309	67.4375% (b)	\$ 571,404	FF1 Pg 111, L.81, C.c
<u>Other Regulatory Assets</u>						
12	FAS 106	6.8507% (a)	417,722			FF1 Pg 232.1, L.37, C.f DITs functionalized in FF 1 excluding FAS109 DITs, therefore the 109 reg asset is properly excluded.
13	FAS 109		-			
14	\$ 6,097,501		\$ 417,722	67.4375% (b)	\$ 281,701	
15	<u>Transmission Prepayments</u>	6.8507% (a)	251,785	67.4375% (b)	\$ 169,798	w/s 12, line 10
16	<u>Transmission Materials and Supplies</u>		6,567,220	67.4375% (b)	\$ 4,428,769	FF1 450.1 Notes, Pg. 227, L. 12, C. c
<u>Cash Working Capital</u>						
18	Operation & Maintenance Expense				\$ 11,140,845	w/s 1, Line 21
19	Administrative & General Expense				8,894,615	w/s 1, Line 22
20	Net Transmission Support Expense				-	
21	Subtotal (line 18+19+20)				20,035,460	
22					0.125	x 45 / 360
23	Total (line 21 * line 22)				\$ 2,504,433	
24	<u>MPRP CWIP</u>				\$ 499,181,255	FF1 450.1 Notes, Pg. 200.1 L.11, C.c

(a) Worksheet 5, line 11
(b) Worksheet 5, line 3
(c) Worksheet 5, line 16
(d) EHV/LV PTF Facilities

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Worksheet or FERC Form 1 Reference
<u>Depreciation Expense</u>						
1	\$ 27,896,816		\$ 27,896,816	67.4375% (b)	\$ 18,812,915	w/s 12, line 2
2	6,205,035	6.8507% (a)	425,088	67.4375% (b)	286,669	w/s 12, line 6
3			28,321,904		19,099,584	
4	575,438	47.0300% (a)	270,628	67.4375% (b)	182,505	FF1 Pg 117, L.64, C.c
5	(714,950)	47.0300% (a)	(336,241)	67.4375% (b)	(226,753)	FF1 Pg 266, L.8, C.f
<u>Property Taxes</u>						
6	13,631,432		13,631,432	67.4375% (b)	9,192,697	FF1 450.1 Notes, Pg. 262, L. 14, C. i
7	-	6.8507% (a)	-	67.4375% (b)	-	
8	\$ 13,631,432		\$ 13,631,432		\$ 9,192,697	
9	-		-	67.4375% (b)	-	
<u>Operation and Maintenance Expense</u>						
10	145,865,336		145,865,336			w/s 12, line 8
11	125,686,172		125,686,172			FF1 Pg 321, L.96, C.b FF1 Pg 321, L.84 thru 88, C.b
12	3,143,069		3,143,069			P97 ws 11, line 18
13	515,843		515,843			
14	\$ 16,520,252		\$ 16,520,252	67.4375% (b)	\$ 11,140,845	
<u>Administrative and General Expense</u>						
15	16,041,342	6.8507% (a)	1,098,944			w/s 7, line 31
16	415,616	47.0300% (a)	195,464			w/s 7, line 34
17	11,895,012	100.00% -	11,895,012			w/s 7, line 40
18	\$ 28,351,970		\$ 13,189,420	67.4375% (b)	\$ 8,894,615	

* Property Taxes not functionalized per FERC Form 1; therefore, need to use Plant Allocation Factor
(a) Worksheet 5, line 11
(b) Worksheet 5, line 3
(c) Worksheet 5, line 16
(d) Payroll taxes - FERC Form 1, page 263 lines 3,5&9 col i&l are recorded in acc't 184
and then cleared and properly functionalized to the appropriate accounts.

**Central Maine Power
Post RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

<u>Line No.</u>			<u>Worksheet or FERC Form 1 Reference</u>
	<u>PTF Transmission Plant Allocation Factor</u>		
		Post-1996	
1	PTF Transmission Investment	\$ 842,147,489	w/s 10
2	Total Transmission Investment	<u>1,248,782,743</u>	w/s 10
3	Percent Allocation	<u><u>67.4375%</u></u>	(line 1/2)
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	2,766,008	w/s 12, line 1
5	Affiliated Company Transmission Wages and Salaries	-	
6	Total Transmission Wages and Salaries	<u>2,766,008</u>	(line 4+5)
7	Total Wages and Salaries	46,389,250	FF1 Pg 354, L.28, C.b
8	Administrative and General Wages and Salaries	6,013,656	FF1 Pg 354, L.27, C.b
9	Affiliated Company Wages and Salaries less A&G	-	
10	Total Wages and Salaries net of A&G	<u><u>\$ 40,375,594</u></u>	(line 7-8+9)
11	Percent Allocation	<u><u>6.8507%</u></u>	(line 6/10)
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment (excluding capital leases)	1,248,782,743	line 2 above
13	Transmission Related General Plant	13,964,452	ws 3 line 2, col. 3
14	Total Transmission Related Plant	<u><u>\$ 1,262,747,195</u></u>	
15	Total Plant in Service	<u><u>\$ 2,684,984,908</u></u>	FF1 Pg 207, L.104, C.g
16	Percent Allocation	<u><u>47.0300%</u></u>	(line 14/15)

**Central Maine Power
Post 96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Affiliated Company Wages and Salaries

Line No.	"Affiliated" Transmission Wages and Salaries #560 - 573	-	Transmission Wages by 3 digit FERC	Worksheet or FERC Form 1 Reference
			560 \$ 338,299	
1	560	-	561-561.4 1,721,555	w/s 12 line 1b
			561.5-561.8 101,478	
2	562	-	562 587,363	
3	564	-	563 60,944	
4	566	-	564 -	
5	568	-	566 790,903	
			567 -	
6	569	-	568 172,572	
7	570	-	569 48,146	
8	571	-	570 414,374	
9	572	-	571 200,191	
10	573	-	572 50,634	
11 = 1 thru 10	Total Transmission	-	573 1,105	
			<u>\$ 4,487,564</u>	w/s 12, line 1a
12 = Total "Affiliated" Wages and Salaries		-		
Less "Affiliated" Administrative and General Salaries				
#920 - 935				
13	920	-		
14	921	-		
15	923	-		
16	925	-		
17	926	-		
18	928	-		
19	930	-		
20	935	-		
21 = 13 thru 20		-		
22 = 12 less 21 Total "Affiliated" less A&G		-	To Worksheet 5	

Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013

Line No.	Acc't	Description	Amount	
1	920	Administrative and General Salaries	\$ 7,996,238	FF1 Pg 323, L.181, C.b
2	921	Office Supplies and Expenses	3,063,499	FF1 Pg 323, L.182, C.b
3	922	Less Administrative Expenses Transferred	(505,998)	FF1 Pg 323, L.183, C.b
4	923	Outside Services	31,397,588	FF1 Pg 323, L.184, C.b
5	924	Property Insurance	415,616	FF1 Pg 323, L.185, C.b
6	925	Injuries and Damages	1,081,660	FF1 Pg 323, L.186, C.b
7	926	Employee Pensions and Benefits	(6,582,691)	FF1 Pg 323, L.187, C.b
8	928	Regulatory Commissions Expense	9,172,452	FF1 Pg 323, L.189, C.b
9	930.1	General Advertising	655,636	FF1 Pg 323, L.191, C.b
10	930.2	Miscellaneous General Expense	(1,487,452)	FF1 Pg 323, L.192, C.b
11	931	Rents	1,228,520	FF1 Pg 323, L.193, C.b
12	935	Maintenance of General Plant	3,105,466	FF1 Pg 323, L.196, C.b
13		Total Admin & Gen'l Exp.	<u>\$ 49,540,534</u>	
14		FERC assessments - Transmission (directly assigned)	1,047,576	FF1 Pg 350, L.24 thru 25, C.c & FF1 Pg 350, L.20, C.d
15		FERC assessments - subject to plant allocation factor	-	FF1 Pg 350
16		TOTAL FERC ASSESSMENTS	<u>1,047,576</u>	(line 14+15)
17		State Comm Exp & Assessments - Transmission (directly assigned)	29,474	FF1 Pg 350, L.4, C.c FF1 Pg 350, L.3+L.4+L.5+L.6+L.7+L.8+L.9+L.11+L.12+L.13+L.15+ L.21, C.c (includes \$1.5 mil for MPUC Docket # 2008- 255)
18		Total State Assessments	8,124,876	(line 16+18) and line 8 above
19	928	Total Regulatory Commissions Expense:	<u>\$ 9,172,452</u>	
20		General Advertising - Transmission related	-	
21		Non-Transmission related General Advertising Exp.	655,636	line 9 above
22	930.1	Total General Advertising Exp.	<u>\$ 655,636</u>	
Summary of Attachment F treatment of A&G				
23		Total A&G	49,540,534	(line 13)
24	923	less Outside Services	31,397,588	(line 4)
25	924	less Property Insurance	415,616	(line 5)
26	926	less pension credit directly assigned to T&D	(6,654,648)	MPUC Docket Nos. 2007-215/2008-111
27	928	less Regulatory Commissions Exp.	9,172,452	(line 19)
28	930.1	less Non-Trans. General Advertising Exp.	655,636	(line 9)
29	930.2	less Miscellaneous General Expense	(1,487,452)	FF1 Pg 320, L.192, C.b
30	920-935	less EPRI Expenses	-	
31		A&G subject to Wages and Salaries Allocation Factor:	<u>\$ 16,041,342</u>	to worksheet 4, line 15, column 1
32		Property Insurance	415,616	(line 5)
33		Regulatory Commissions Exp. - FERC assessments	-	(line 15)
34		Total A&G subject to Plant Allocation Factor	<u>\$ 415,616</u>	to worksheet 4, line 16, column 1
Items Directly Assigned to Transmission				
35	926010	MRFV - transmission only portion of pension credit	(791,903)	MPUC Docket Nos. 2007-215/2008-111
36		State assessments - Transmission (directly assigned)	29,474	(Line 17 above)
37		Outside Services- Transmission (directly assigned)	11,699,889	FF1 Pg 320, L.184, C.b
38		Miscellaneous General Expense- Transmission (directly assigned)	(90,024)	FF1 Pg 320, L.192, C.b
39		FERC Reg Comm Exp - Trans (directly assigned)	1,047,576	(Line 14 above)
40		total to w/s 4, line 17	<u>\$ 11,895,012</u>	w/s 4, line 17

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

	<u>Capitalization 12/31/2013</u>	<u>Capitalization Ratios</u>	<u>Embedded Cost of Capital</u>	<u>Cost of Capital</u>	<u>Equity Portion</u>
Medium Term Notes	\$ 305,000,000	12.639%	5.40%		
Pollution Control	19,500,000	0.808%	5.59%		
Fame	-	0.000%	0.00%		
Mortgage Bonds	625,000,000	25.899%	4.68%		
Total Long-Term Debt	<u>949,500,000</u>	<u>39.346%</u>	5.04%	1.983%	
Preferred Stock	571,300	0.024%	6.00%	0.001%	0.001%
Common Equity	<u>1,463,126,530</u>	<u>60.630%</u>	11.64%	<u>7.057%</u>	<u>7.057%</u>
Total Investment Return	<u>\$ 2,413,197,830</u>	<u>100.00%</u>		<u>9.041%</u>	<u>7.058%</u>

Central Maine Power
Post-96 RNS Revenue Requirement
For the Unadjusted Test Year Ended 2013

Source: Fixed Assets

Vintage	cost	afudc	% of total
1953-1970	-----no afudc data available-----		
1971	16,993,929	210,398	1.24%
1972	1,354,874	0	0.00%
1973	2,530,521	21,837	0.86%
1974	3,929,745	200	0.01%
1975	4,626,387	38,383	0.83%
1976	6,559,880	76,909	1.17%
1977	5,885,933	86,351	1.47%
1978	17,338,606	444,301	2.56%
1979	4,115,534	14,481	0.35%
1980	7,717,864	28,543	0.37%
1981	3,806,576	45,143	1.19%
1982	3,336,346	16,508	0.49%
1983	5,462,226	107,741	1.97%
1984	6,543,576	188,256	2.88%
1985	2,153,012	13,995	0.65%
1986	4,063,381	72,616	1.79%
1987	6,308,982	70,120	1.11%
1988	8,616,426	96,074	1.12%
1989	8,190,862	92,568	1.13%
1990	18,606,637	300,769	1.62%
1991	6,804,433	68,667	1.01%
1992	10,041,560	178,995	1.78%
1993	5,637,279	121,080	2.15%
1994	3,480,922	26,059	0.75%
1995	3,820,449	32,298	0.85%
1996	2,681,701	20,928	0.78%
1997	1,790,063	23,501	1.31%
1998	1,477,852	4,185	0.28%
1999	1,810,857	10,989	0.61%
2000	26,037,439	264,455	1.02%
2001	8,983,040	92,232	1.03%
2002	8,622,712	117,487	1.36%
2003	2,701,882	(16,453)	-0.61%
2004	13,379,541	151,747	1.13%
2005	10,790,340	187,716	1.74%
2006	14,151,218	57,062	0.40%
2007	41,386,528	247,340	0.60%
2008	84,332,796	3,500,923	4.15%
2009	44,549,845	355,246	0.80%
2010	20,636,193	558,551	2.71%
2011	29,046,140	374,354	1.29%
2012	100,664,413	342,000	0.34%
2013	61,678,656	823,106	1.33%
TOTALS	\$ 642,647,156	\$ 9,467,661	1.47%

Depreciation Exp from w/s 1 19,099,584

AFUDC adj to w/s 2 \$ 281,381

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

	PTF		Total PTF	Non-PTF	Total Transmission	Worksheet or FERC Form 1 Reference
	pre 1997	post 1996				
TRANSMISSION LINES	\$ 78,394,426	\$ 517,443,324	\$ 595,837,750	\$ 120,605,815	\$ 716,443,565	
SUBSTATIONS	28,369,032	327,759,770	356,128,802	180,741,394	536,870,196	
TOTALS	106,763,458	845,203,094	951,966,552	301,347,209	1,253,313,761	FF1 Pg 207, L.58, C.g
Less SCADA & RTUs directly assigned to Schedule 1	385,975	3,055,604	3,441,579	1,089,440	4,531,019	w/s 12, line 3, col b
Totals for RNS	\$ 106,377,483	\$ 842,147,490	\$ 948,524,973	\$ 300,257,769	\$ 1,248,782,742	w/s 12, line 3, col d

PRE 1997 PTF - from above	\$ 106,377,483	to Pre97 w/s 5, line 1
POST 1996 PTF - from above	842,147,490	to w/s 5, line 1
Total PRE 97 AND POST 96 PTF INVESTMENT	<u>\$ 948,524,973</u>	Total PTF Investment for RNS

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Property Description	Property Classification	Cost	Worksheet Reference	Reserve	Worksheet Reference	Depreciation	Worksheet Reference
Furniture & Equipment	General	\$ 2,480,122		\$ 571,026		\$ 161,696	
Structure Costs & Map Boards	General	5,250,390		1,984,935		123,453	
UPS	General	284,858		179,776		10,550	
EMS Hardware	General	1,885,690		1,834,871		193,715	
LMS	General	-		-		-	
EBCC	General	-		-		-	
Communication Equipment	General	772,770		641,663		55,873	
PC Equipment	General	-		-		-	
		<u>10,673,830</u>	w/s 17,5b	<u>5,212,271</u>	w/s 17,7b	<u>545,287</u>	w/s 17,6b
EMS Software	Intangible	7,929,600		7,905,934		5,745	
S/S RTU's & Scada	Transmission	4,531,019	w/s 17,3b	1,153,932	w/s 17,4b	113,357	w/s 17,2b
Total Plant Directly Assigned to Schedule 1		<u>\$ 23,134,449</u>		<u>\$ 14,272,137</u>		<u>\$ 664,389</u>	

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Line No.	A FERC FORM 1 TOTAL	B LESS COST RECOVERED UNDER SCH 1	C Adjustments	D ADJUSTED TOTAL	WORKSHEET REFERENCE FOR COL. D
WAGES & PAYROLL EXPENSES					
1 FF1 Pg 354, L. 21 C.b	\$ 4,487,563	\$ (1,721,555)	\$ -	\$ 2,766,008	WS 5, LINE 4
TRANSMISSION DEPRECIATION EXPENSE					
2 FF1 Pg 336, L.7, C.f	\$ 28,010,173	\$ (113,357)	\$ -	\$ 27,896,816	WS 4, LINE 1
TRANSMISSION PLANT					
3 FF1 Pg 207, L.58, C.g	\$ 1,253,313,762	\$ (4,531,019)	\$ -	\$ 1,248,782,743	WS 5, LINE 2
TRANSMISSION ACCUM. DEPRECIATION					
4 FF1 Pg 219, L.25, C.c	\$ 191,639,943	\$ (1,153,932)	\$ -	\$ 190,486,011	WS 3, LINE 5
GENERAL PLANT					
5 FF1 Pg 207, L.99, C.g	\$ 214,513,613	\$ (10,673,830)	\$ -	\$ 203,839,783	WS 3, LINE 2
GENERAL PLANT DEPRECIATION EXPENSE					
6 FF1 Pg 336, L.10, C.f	\$ 6,750,322	\$ (545,287)	\$ -	\$ 6,205,035	WS 4, LINE 2
GENERAL PLANT ACCUM. DEPRECIATION					
7 FF1 Pg 219, L.28, C.c	\$ 93,653,507	\$ (5,212,271)	\$ -	\$ 88,441,236	WS 3, LINE 6
TRANSMISSION OPERATION & MAINTENANCE EXPENSE					
8 FF1 Pg 321, L.112, C.b	\$ 145,865,336	\$ -	\$ -	\$ 145,865,336	WS 4, LINE 10
TRANSMISSION PLANT HELD FOR FUTURE USE					
9 FF1 Pg 214, L.47- L.14-L.15, C.d	\$ 3,365,121	\$ -	\$ -	\$ 3,365,121	WS 3, LINE 4
10 TRANSMISSION PREPAYMENTS					
FF1 Pg 111, L.57, C.c	\$ 36,673,551	\$ -	\$ 32,998,240	\$ 3,675,311	WS 3, LINE 15
Excluded \$32,998,240 of prepaid income taxes reclassified from account 236					

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Through and Out Revenues

From Worksheet 10, line 23	\$	1,350,029	
		-	
Short-Term & Non-Firm T&O		1,350,029	See p.450 notes for p328,line 14

	PTF BALANCE (see w/s 15)	% OF TOTAL	Allocation of T/O Revenues
PRE 1997 PTF	\$ 106,377,483	11.22%	\$ 151,406
POST 96 PTF	842,147,489	88.78%	1,198,623
TOTAL	\$ 948,524,972	100.00%	\$ 1,350,029

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

	Investment as of 12/31/12	2013 Activity				Investment as of 12/31/13
		Additions	Retirements	Transfers	Adjustments	
115kV Lines Non-Land						
60	\$ 23,660,227	\$ 5,583,308	\$ -	\$ (0)	\$ -	\$ 29,243,535
61	2,597,423	797,244	-	-	-	3,394,667
61A	883,651	-	-	-	-	883,651
62	1,348,681	203,875	(17,517)	-	-	1,535,040
63	2,812,147	478,469	(64,265)	(681,555)	-	2,544,796
64	7,089,208	958,425	(46,993)	-	-	8,000,640
65	1,274,519	477	-	-	-	1,274,996
66	2,530,931	359,386	(97)	(1,005,647)	-	1,884,573
67	7,359,434	1,506,132	-	(2,455,938)	-	6,409,629
67A	529,122	-	-	(168,319)	(142,978)	217,825
68	4,327,014	37,999	(9,445)	-	-	4,355,568
69	3,030,277	22,934	(14,609)	-	-	3,038,602
75	1,090,993	-	-	-	-	1,090,993
80	2,847,051	1,245,113	(44,344)	-	-	4,047,820
81	1,147,323	1,867,932	(53,341)	652	-	2,962,566
82	339,912	0	-	1,005,647	-	1,345,559
83	1,436,033	160,662	(4,758)	-	-	1,591,937
84	1,569,617	2,481,669	(132,844)	-	-	3,918,441
86	14,116,234	1,776,828	-	0	-	15,893,062
87	454,581	-	-	-	-	454,581
88	10,342,350	2,818,578	-	-	-	13,160,929
89	954,312	8,990,890	-	-	-	9,945,203
140	2,458,973	-	-	-	-	2,458,973
160	570,016	-	-	-	-	570,016
161	1,203,521	-	-	-	-	1,203,521
162	668,572	-	-	-	-	668,572
163	6,678,756	0	-	-	-	6,678,756
163A	-	490,331	-	-	(490,331)	-
164	2,819,019	446,586	(41,950)	0	-	3,223,655
165	1,383,649	160,081	(7,447)	(0)	-	1,536,282
166	3,297,701	548,690	(62,335)	-	-	3,784,056
167	2,647,426	504,743	(18,607)	8,286	(8,286)	3,133,562
169	629,371	-	-	-	-	629,371
197	5,307,254	-	-	-	-	5,307,254
200	1,341,160	1,063,638	(163,485)	-	-	2,241,313
201	1,500,245	1,231,557	(241,586)	(0)	-	2,490,215
202	335,089	-	-	-	-	335,089
203	23,869,006	3,625,210	-	-	-	27,494,216
204	1,006,426	9,296	(1,174)	-	-	1,014,549
205	738,626	277,515	(535)	-	-	1,015,606
207	1,905,091	154,842	(314)	-	-	2,059,618
208	680,984	313,309	(116)	-	-	994,176
209	1,046,307	0	-	-	-	1,046,307
210	2,259,838	-	-	-	-	2,259,838
211	9,000,746	(0)	-	-	-	9,000,746
212	770,052	18,894,452	(604,786)	-	-	19,059,719
213	2,318,514	3,640	-	-	-	2,322,154
214	2,306,732	41,881	(344)	-	-	2,348,269
217	1,571,056	-	-	-	-	1,571,056
219	5,314,206	-	-	-	-	5,314,206
220	2,949,384	-	-	-	-	2,949,384
221	437,177	23,401	(7,185)	-	-	453,393
223	1,644,643	26,225	-	-	-	1,670,868
224	1,783,912	-	-	-	-	1,783,912
225	2,133,106	-	-	-	-	2,133,106
226	1,905,996	-	-	-	-	1,905,996
228	52,103	-	-	-	-	52,103
229	1,221,793	21,753,018	(470,195)	0	-	22,504,616
231	642,669	-	-	-	-	642,669
232	229,976	-	-	-	-	229,976
233	228,079	-	-	-	-	228,079
234	672,722	-	-	-	-	672,722
237	766,228	25,479	-	-	-	791,706
238	1,712,388	203,850	-	-	-	1,916,237
241	29,351,016	(4,978)	(13,559)	(312,665)	-	29,019,814
242	123,296	-	-	-	-	123,296
243	2,440,924	-	-	-	-	2,440,924
250	1,714,047	4,529,364	(2,158)	-	-	6,241,253
257	-	8,239,426	-	2,499,135	-	10,738,561
258	-	7,718,242	-	-	-	7,718,242
259	-	2,662,313	-	268,100	-	2,930,413
269	14,530,056	5,321,258	-	-	-	19,851,315
275	1,550,213	-	-	-	-	1,550,213
277	1,954,403	-	-	-	-	1,954,403
278	317,968	564,761	-	660,607	-	1,543,336
Total 115kV Lines - LVPTF	244,221,806	107,627,719	(2,023,987)	(181,696)	(641,595)	349,002,247
115kV Lines Land (from PTF Land Sheets)						
60	105,445	-	-	-	-	105,445
61A	254,727	-	-	-	-	254,727
61	21,754	-	-	-	-	21,754
63	183,657	16,780	-	-	-	200,437
64	87,023	-	-	-	-	87,023
65	10,031	-	-	-	-	10,031
66	73,059	-	-	-	-	73,059
67	45,218	-	-	-	-	45,218
67A	156,038	-	-	-	-	156,038
68	25,601	-	-	-	-	25,601
69	91,642	-	-	-	-	91,642
75	118,479	-	-	-	-	118,479
80	28,944	-	-	-	-	28,944
81	59,145	-	-	-	-	59,145
83	173,194	6,034	-	-	-	179,228
84	33,853	-	-	-	-	33,853
86	141,606	-	-	-	-	141,606
87	33,554	-	-	-	-	33,554
88	32,376	-	-	-	-	32,376
89	1,285	-	-	-	-	1,285
140	235,257	-	-	-	-	235,257
160	87,876	-	-	-	-	87,876
161	74,845	-	-	-	-	74,845
162	37,869	-	-	-	-	37,869
163	91,884	-	-	-	-	91,884
164	224,674	-	-	-	-	224,674
165	929	-	-	-	-	929
166	168,215	125	-	-	-	168,340
167	5,980	-	-	-	-	5,980
169	36,873	-	-	-	-	36,873
197	215,640	-	-	-	-	215,640
200	62,988	-	-	-	-	62,988
201	28,628	-	-	-	-	28,628
202	74,007	-	-	-	-	74,007
203	47,528	-	-	-	-	47,528
204	34,624	-	-	-	-	34,624
205	49,254	-	-	-	-	49,254
207	690	-	-	-	-	690
208	180,696	-	-	-	-	180,696
209	194,755	-	-	-	-	194,755
210	227,090	-	-	-	-	227,090
211	111,441	-	-	-	-	111,441
212	282,757	-	-	-	-	282,757
213	413,146	-	-	-	-	413,146
214	411,275	-	-	-	-	411,275
217	331,734	-	-	-	-	331,734
219	2,306	-	-	-	-	2,306
220	25,050	-	-	-	-	25,050
224	16,195	-	-	-	-	16,195
225	46,425	-	-	-	-	46,425
226	120,923	-	-	-	-	120,923
229	74,837	-	-	-	-	74,837
234	15,361	-	-	-	-	15,361
238	-	12,367	-	-	-	12,367
241	987,381	167,278	-	-	-	1,154,659

Central Maine Power Post-96 RNS Revenue Requirements For the Unadjusted Test Year Ended 2013						
	Investment as of 12/31/12	2013 Activity				Investment as of 12/31/13
		Additions	Retirements	Transfers	Adjustments	
243	56,688	-	-	-	-	56,688
250	43,747	-	-	-	-	43,747
275	146,439	-	-	-	-	146,439
Total 115kV Land	6,842,635	202,583	-	-	-	7,045,218
345kV Lines(Including Land)						
374	3,530,309	1,758,539	(32,108)	-	-	5,256,740
375	9,737,269	4,334,542	(67,148)	(15,853)	-	13,988,811
377	4,213,065	719,104	(1,954)	(1,012)	-	4,929,203
378	857,665	-	-	-	-	857,665
385	6,134,339	739,505	-	-	-	6,873,844
386	5,634,116	373,163	(31,277)	(4,238,933)	3,357,957	5,095,027
388	27,105,580	(2,655,771)	-	(508,930)	(14,741,644)	9,199,235
391	4,203,770	1,000,033	-	(1,169)	-	5,202,634
3020	-	19,738,999	-	-	-	19,738,999
3022	1,203,918	967,136	-	-	-	2,171,054
3023	-	89,944,492	-	508,816	19,602,093	110,055,401
3026	41,077,811	7,282,242	-	-	-	48,340,053
3038	1,030,351	2,121,305	-	-	-	3,151,656
3040	-	129,682	-	4,238,933	790,255	5,158,870
Total 345kV Lines - EHV	104,728,193	126,432,970	(132,486)	(18,147)	9,008,662	240,019,192
Total PTF Line	355,792,635	234,263,273	(2,156,473)	(199,844)	8,367,066	596,066,657
115kV Substations						
	PTF Investment as of 12/31/12	Additions	Retires	Transfers	Adjustments	PTF Investment as of 12/31/13
AUGUSTA EAST SIDE S/S	2,076,092	128,457	-	-	(3,248)	2,201,301
W F WYMAN S/S YARMOUTH	1,401,089	470,993	-	-	28,652	1,900,734
HIGHLAND S/S	1,086,253	-	-	-	(9,959)	1,076,294
MASON STATION 115KV S/S	6,780,438	210,942	-	-	(2,530)	6,968,850
MAXCY'S 115KV S/S	4,759,424	173,430	-	-	(20,691)	4,912,163
TOMPSON S/S	7,220	(63)	-	-	(5)	7,152
BATH S/S	1,711,167	-	-	-	(9,245)	1,701,922
PUDDLEDOCK RD S/S	136,965	540,170	-	-	(9,072)	668,062
BOWMAN STREET S/S	1,393,052	(15)	-	-	(4,554)	1,388,483
MEADOW ROAD S/S	-	-	-	-	-	-
NEWCASTLE S/S	2,040,870	37,325	-	-	(5,126)	2,073,069
CROWLEY'S S/S	1,951,386	918,238	(185,952)	-	(7,184)	2,676,487
GULF ISLAND S/S	2,784,321	-	-	-	(2,784,321)	-
Larrabee Road 115KV	3,054,223	6,962,137	-	-	(25,916)	9,990,444
HOTEL ROAD S/S	1,445,626	-	-	245	-	1,445,871
CHALLENGER DRIVE S/S	155,125	-	-	-	-	155,125
KIMBALL ROAD S/S	4,764,837	304,922	-	1,002	37,693	5,108,454
LEWISTON LOWER S/S	702,253	-	-	-	-	702,253
LIVERMORE FALLS S/S	1,821,688	-	-	-	-	1,821,688
LOVELL S/S	-	-	-	-	-	-
NORWAY S/S	23,719	-	-	-	(14)	23,705
SUROWIEC 115KV S/S	9,069,141	2,480,493	-	-	(7,335)	11,542,300
NORWAY 115 KV SWITCH TSS	45,083	-	-	-	-	45,083
RAYMOND 115KV S/S	1,462,466	31,921	-	-	(3,691)	1,490,695
RUMFORD S/S	5,337,227	(70)	-	-	(9,903)	5,327,255
RILEY S/S	1,802,357	3,861	-	-	-	1,806,218
WOODSTOCK S/S	5,747,656	(14,856)	-	-	(14,301)	5,718,499
Monmouth	7,600,953	632,655	-	-	(22,865)	8,210,743
RUMFORD IP	6,494,956	-	-	-	(5,560)	6,489,396
Leeds	1,262,857	(191)	-	-	-	1,262,666
CAPE S/S	-	-	-	-	-	-
ELM STREET S/S	-	-	-	-	-	-
LOUDEN S/S	4,218,943	45,855	(9,780)	-	(15,133)	4,239,886
MOSHER'S S/S	2,613,598	592,145	(83,127)	-	1,250	3,123,865
MUSSEY S/S	405,192	-	-	-	-	405,192
WEST KENNEBUNK S/S	327,668	-	-	-	-	327,668
PLEASANT HILL S/S	1,004,668	166,875	-	-	(3,657)	1,167,886
PRIDES CORNER S/S	-	-	-	-	-	-
MAGUIRE ROAD S/S	12,433,098	-	-	-	(8,994)	12,424,104
QUAKER HILL S/S	1,210,670	32	-	-	(689)	1,210,013
CAPE GAS TURBINE S/S	818,583	4,431	-	-	(1,272)	821,742
FORE RIVER	4,379,712	-	-	-	-	4,379,712
WEST BUXTON S/S	371,871	-	-	-	(1,341)	370,531
SEWALL STREET S/S	534,204	51,128	(8,064)	-	(3,121)	574,147
SPRING STREET S/S	1,923,153	193,903	(1,821)	-	(27,047)	2,088,188
THREE RIVERS S/S	56,647	-	-	-	(2,725)	53,922
Waterboro 115KV	-	-	-	-	-	-
BIDDEFORD IND PARK S/S	-	-	-	-	-	-
SANFORD S/S	2,471,764	107,545	(10,782)	-	714	2,569,242
SOUTH GORHAM 115KV S/S	11,842,870	152,765	-	-	(950)	11,994,685
RED BROOK S/S	333,617	-	-	-	(1,144)	332,473
WESTBROOK 115KV S/S	1,845,023	-	-	-	-	1,845,023
LINCOLNVILLE S/S	310,886	60,566	-	-	(13,313)	358,139
BUCKSPORT S/S	2,655,847	209,269	-	-	(11,289)	2,853,828
DETROIT S/S	2,791,689	218,168	(22,495)	-	80,623	3,067,985
Athens	3,640,336	(6,269)	-	31,713	-	3,665,781
SAPPI (Hinckley) S/S	-	-	-	-	-	-
Starks	7,062,933	561,278	-	-	(1)	7,624,210
LAKWOOD S/S	-	-	-	-	-	-
SEARSPORT S/S	-	-	-	-	-	-
STURTEVANT S/S	142,527	-	-	-	-	142,527
Albion Road S/S	-	6,732,116	-	-	-	6,732,116
WINSLOW S/S	1,668,689	164,448	-	-	16,513	1,849,651
Heywood Road S/S	6,858,109	291,359	(15,435)	-	(392)	7,133,641
WYMAN HY STA S/S	4,558,486	41,949	-	-	73,636	4,674,071
BELFAST S/S	-	-	-	-	-	-
Total 115kV	153,379,227	22,467,912	(337,455)	32,960	(2,797,505)	172,745,138
345kV						
Coopers Mills Road 345 KV	1,855,446	-	-	-	(1,855,446)	-
MASON STATION 345KV S/S	2,356,095	141,682	-	-	-	2,497,777
MAXCY'S 345KV S/S	4,785,422	52,073	-	-	-	4,837,495
MAINE YANKEE 345KV S/S	4,205,711	6,176,071	(10,007)	-	-	10,371,775
Wyman 4 345KV - MPRP	-	-	-	-	-	-
Larrabee Road 345KV	31,203,576	5,378,586	-	-	(0)	36,582,162
SUROWIEC 345KV S/S	21,021,207	6,149,951	(59,257)	-	-	27,111,900
Maguire Road S/S	-	3,742,586	-	-	-	3,742,586
BUXTON 345KV S/S	16,876,481	692,076	(44,093)	-	-	17,524,464
Raven Farm S/S	-	26,675,351	-	-	-	26,675,351
SOUTH GORHAM 345KV S/S	26,674,962	69,472	-	-	357	26,744,791
Albion Road S/S 345 KV	3,917,940	23,346,233	-	31,191	-	27,295,364
Total 345kV	112,896,840	72,424,080	(113,357)	31,191	(1,855,089)	183,383,664
Total Substations	266,276,067	94,891,992	(450,812)	64,151	(4,652,595)	356,128,802
Total PTF	\$ 622,068,702	\$ 329,155,264	\$ (2,607,286)	\$ (135,693)	\$ 3,714,472	\$ 952,195,459

**Central Maine Power
Post-96 RNS Revenue Requirements
For the Unadjusted Test Year Ended 2013**

Line No.	FORECASTED TRANSMISSION REVENUE REQUIREMENTS (FTRR)	Forecast Period	Attachment F Reference Section:	Amount	Reference
1	Forecasted Rev Req'ts for FTPA			\$ 48,760,309	line 6 below
2	Forecasted Rev Req'ts for FCWIP			(26,754,592)	line 9 below
3	Forecasted Transmission Revenue Requirements (Lines 1 + 2)			<u>\$ 22,005,717</u>	
4	Forecasted Transmission Plant Additions (FTPA)	2014	Appendix C iv	\$ 303,910,286	
5	Carrying Charge Factor (CCF)		Appendix C vi	16.04%	line 20 below
6	Forecasted Rev Req'ts for FTPA (Lines 1*2)			\$ 48,760,309	
7	Forecasted MPRP CWIP (FCWIP)	2014	Appendix C v	\$ (176,130,613)	Annual Report of Construction Costs
8	MPRP Cost of Capital Rate (MCOC)		Appendix C vii	15.19%	line 23 below
9	Forecasted Rev Req'ts for FCWIP (Lines 4*5)			<u>\$ (26,754,592)</u>	
<u>DERIVATION OF CARRYING CHARGE FACTOR (CCF)</u>					
10	Investment Return and Income Taxes		(A)	\$ 86,833,262	Worksheet 2a, line 14
11	Depreciation Expense		(B)	19,099,584	Worksheet 1, line 16
12	Amortization of Loss on Reacquired Debt		(C)	182,505	Worksheet 1, line 17
13	Amortization of Investment Tax Credits		(D)	(226,753)	Worksheet 1, line 18
14	Municipal Taxes		(E)	9,192,697	Worksheet 1, line 19
15	Payroll Taxes		(F)	-	Worksheet 1, line 20
16	Operation and Maintenance Expense		(G)	11,140,845	Worksheet 1, line 21
17	Administrative and General Expense		(H)	8,894,615	Worksheet 1, line 22
18	Total Expenses (Lines 10 thru 17)			<u>135,116,755</u>	
19	PTF Transmission Plant		(A)(1)(a)	<u>\$ 842,147,489</u>	Worksheet 1, line 1
20	Carrying Charge Factor (Lines 18/19)			<u>16.04%</u>	
<u>DERIVATION OF MPRP COST OF CAPITAL RATE (MCOC)</u>					
21	Cost of Capital Rate - 11.64% ROE			13.90970%	Worksheet 2, line 9
22	Cost of Capital Rate - 1.25% bp ROE adder for MPRP			1.28050%	Worksheet 2, line 11
23	MPRP Cost of Capital Rate (MCOC) (Lines 21 + 22)			<u>15.19020%</u>	

Annual Report of MPRP Construction Costs for the 2014 FERC Informational Filings



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**PART I – SUMMARY OF CONSTRUCTION COSTS
FOR FERC INFORMATIONAL FILINGS**

Summary of MPRP Costs for the 2013 FERC Informational Filings

1. The actual amount of CWIP recorded each month for the MPRP project for the most recent calendar year.

Attachment 1 provides the actual amount of CWIP recorded each month for the MPRP project for 2013.

The Lewiston Loop represents a collection of projects within the MPRP that were classified as Deferred by the Maine Public Utilities Commission (MPUC) Order on June 10, 2010. CMP continued with planning and preliminary engineering for the Lewiston Loop and on August 23, 2013 received a Certificate of Public Convenience and Necessity (CPCN) from the MPUC. The Lewiston Loop projects are reclassified from Deferred to Approved in this report with additional estimated costs identified during the regulatory approval process assigned as Scope Change. Costs incurred during the regulatory approval process have been reclassified as CWIP.

2. Forecast of the year end MPRP CWIP balance for the current calendar year.

CMP estimates the year-end 2014 MPRP CWIP balance will be \$323,050,642 for PTF facilities with \$6,409,913 for non-PTF facilities.

3. A summary and detail of accounting transfers between MPRP CWIP and Plant in Service.

Attachment 1 provides a summary of the MPRP monthly account additions and reclassifications between CWIP and Plant in Service for the MPRP in 2013.

4. A statement of the current status of the MPRP projects and estimated in-service dates for the program.

Below is a summary of the actual and forecast annual in-service values and costs for the MPRP categorized by PTF, Non-PTF, distribution, retirement and general plant.

MPRP In-Service, Retirement and General Plant Projections (\$ in thousands)							
Year	CMP PTF	BHE/MEPCO PTF	CMP Non-PTF	CMP Distribution	Retirement	General Plant	Total
2009	\$22,435	\$0	\$0	\$0	\$0	\$0	\$22,435
2010	\$4,674	\$0	\$709	\$0	\$0	\$0	\$5,383
2011	\$26,798	\$0	\$2,453	\$1,948	\$3,636	\$0	\$34,835
2012	\$213,016	\$0	\$13,260	\$1,835	\$11,567	\$1,113	\$240,791
2013	\$311,360	\$17,058	\$10,050	\$1,892	\$5,048	-\$912	\$344,496
2014	\$278,209	\$9,500	\$2,423	\$300	\$3,500	\$1,500	\$295,432
2015	\$376,264	\$9,986	\$6,154	\$4,918	\$1,250	\$250	\$398,822
2016	\$62,821	\$0	\$5,831	\$2,700	\$500	\$100	\$71,952
Total:	\$1,295,577	\$36,544	\$40,880	\$13,593	\$25,501	\$2,051	\$1,414,146

The total cost estimate for projects within the MPRP (as included in the ISO-NE Transmission Cost Allocation approval) that are approved by the MPUC, including scope change and contingency, is \$1,424,538,000. The current forecast anticipates that the Program can be constructed within the original cost estimate and the addition of the revised Lewiston Loop estimates prepared during the regulatory process.

Additional projects related to the MPRP that are still in the Planning and Regulatory approval process are estimated at \$84,202,000. These projects currently include:

1. Sections 80 rebuild (Mid-Coast)
2. Section 84 rebuilds
3. New 115kV Section 244 (Mid-Coast)
4. Various line upgrades and substation expansions

Portions of the projects listed above will need to be constructed under the classifications of “Remote Ends” or “Line Terminations”. Those project costs are incorporated in the project forecast contained in the prior table.

5. Project cost estimates in a format similar to ISO-NE annual cost updates.

Attachment 2 provides cost estimate updates for MPRP projects approved by the MPUC, additional projects that are undergoing continued planning, preliminary engineering and regulatory approval and the combined cost estimates for the MPRP as a whole.

ATTACHMENT 1 – MONTHLY CWIP AND PLANT IN-SERVICE BALANCES

**Central Maine Power Company
 FERC Informational Filing Attachment 1
 MPRP 2013 Monthly CWIP and In-Service Transmission Balances**

	Total As of 12/31/2012	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
CWIP Balance	573,703,068	580,568,367	588,948,841	607,690,424	618,498,857	634,447,957	520,938,263	538,064,163	539,856,132	533,441,206	557,058,059	521,606,101	504,215,352
In Service	282,877,805	296,522,644	310,557,300	312,237,607	318,052,856	319,076,108	448,958,973	453,662,566	458,893,396	502,232,851	504,722,064	565,893,467	604,756,159
<i>Transmission balances only</i>	-												

ATTACHMENT 2 – PROJECT COST ESTIMATE UPDATE SHEETS

FIGURE 1 – TOTAL MPRP PROJECT FORECAST

APPROVED AND ADDITIONAL PROJECT COST ESTIMATE UPDATE SHEET

Transmission Owner:	Central Maine Power Co.	RSP Project #:	Various
Project Name:	MPRP	Estimate Grade:	D (Construction)
Base Estimate:	\$ 1,284,307	PPA Approval:	
TCA Application #:	CMP-08-TCA-01 & CMP-10-TCA-01	Date:	5/31/2014

1. Project Scope Summary

Central Maine Power is modernizing its 40 year-old bulk power transmission system by investing between \$1.4 and \$1.5 billion in new construction. The proposed improvements are intended to maintain reliability over the coming decades and to provide the infrastructure necessary to facilitate the state's emerging wind, hydro, biomass and tidal energy industries. The Maine Power Reliability Program will improve the company's electric transmission network primarily between the towns of Eliot and Orrington where it interconnects to transmission systems in northern and eastern Maine. The Program is segregated into logical construction areas referred to as the Northern Loop, Central Loop, Southern Loop and Southern Connector.

2. Project Update

The MPRP received its ISO-NE determination letter in January 2010. The Certificate of Public Convenience and Necessity (CPCN) from the Maine Public Utilities Commission (MPUC) was approved with stipulation on June 10, 2010 followed by subsequent approvals in 2011 and 2013. Approvals by the Maine Department of Environmental Protection (MDEP) were received on April 5, 2010 and the by the Army Corps of Engineers (ACOE) on July 21, 2010. Approximately 96% of materials have been received with substation and transmission line construction progressing as planned. The Outage Sequence Plan continues to influence the construction and energization schedules. Program risk is evaluated and adjusted monthly. Current forecasts reflect contract amounts, approved change orders, T&M contract projections and anticipated future risk. The values represented in this update include projections of costs associated with Lewiston Loop, which received its CPCN in August 2013.

3. Project Cost Summary

Central Maine Power - Maine Power Reliability Program							
Project MPRP Components	Base Estimate	Base Estimate With Contingency	Scope Change	Actual Costs	Project Forecast	Estimated % Completion	Forecast vs. Estimate
2.2.1 New 345KV Lines	\$ 387,999	\$ 448,684	\$ -	\$ 338,063	\$ 458,056	74%	\$ 9,372
2.2.2 New 115KV Lines	\$ 183,591	\$ 212,473	\$ 6,741	\$ 136,365	\$ 230,458	59%	\$ 17,985
2.2.3 New 345KV Substations	\$ 236,352	\$ 273,467	\$ -	\$ 186,394	\$ 195,273	95%	\$ (78,194)
2.2.4 New 115KV Substations	\$ 18,433	\$ 21,316	\$ 5,914	\$ 11,364	\$ 26,491	43%	\$ 5,175
2.2.5 345 KV Substations Expansions/Modifications	\$ 77,846	\$ 90,059	\$ -	\$ 76,129	\$ 86,250	88%	\$ (3,809)
2.2.6 115 KV Substations Expansions/Modifications	\$ 30,988	\$ 36,841	\$ 3,562	\$ 31,585	\$ 53,534	59%	\$ 16,693
2.2.7 Lines Rerates, Relocations, Rebuilds	\$ 349,098	\$ 403,936	\$ 5,747	\$ 295,035	\$ 448,286	66%	\$ 44,350
Grand Total	\$ 1,284,307	\$ 1,486,776	\$ 21,964	\$ 1,074,935	\$ 1,498,348	71.74%	\$ 11,572

Note: PTD Through the First Quarter of 2014

4. Project Forecast

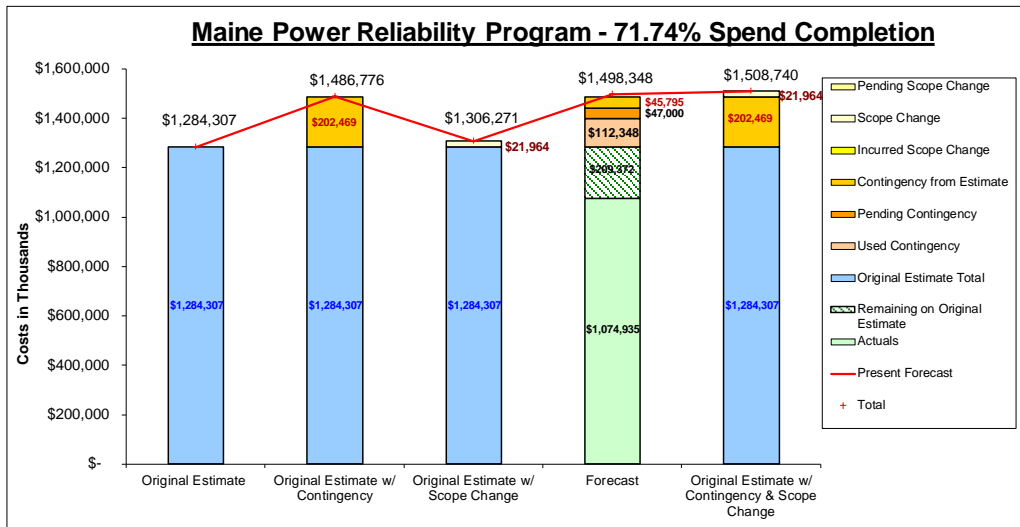


FIGURE 2 – MPRP PROJECTS APPROVED BY THE MPUC

APPROVED MPRP PROJECT COST ESTIMATE UPDATE SHEET

Transmission Owner:	Central Maine Power Co.	RSP Project #:	Various
Project Name:	MPRP	Estimate Grade:	D (Construction)
Base Estimate:	\$ 1,211,893	PPA Approval:	
TCA Application #:	CMP-08-TCA-01 & CMP-10-TCA-01	Date:	5/31/2014

1. Project Scope Summary

Central Maine Power is modernizing its 40 year-old bulk power transmission system by investing between \$1.4 and \$1.5 billion in new construction. The proposed improvements are intended to maintain reliability over the coming decades and to provide the infrastructure necessary to facilitate the state's emerging wind, hydro, biomass and tidal energy industries. The Maine Power Reliability Program will improve the company's electric transmission network primarily between the towns of Eliot and Orrington where it interconnects to transmission systems in northern and eastern Maine. The Program is segregated into logical construction areas referred to as the Northern Loop, Central Loop, Southern Loop and Southern Connector.

2. Project Update

The MPRP received its ISO-NE determination letter in January 2010. The Certificate of Public Convenience and Necessity (CPCN) from the Maine Public Utilities Commission (MPUC) was approved with stipulation on June 10, 2010 followed by subsequent approvals in 2011 and 2013. Approvals by the Maine Department of Environmental Protection (MDEP) were received on April 5, 2010 and the by the Army Corps of Engineers (ACOE) on July 21, 2010. Approximately 96% of materials have been received with substation and transmission line construction progressing as planned. The Outage Sequence Plan continues to influence the construction and energization schedules. Program risk is evaluated and adjusted monthly. Current forecasts reflect contract amounts, approved change orders, T&M contract projections and anticipated future risk. The values represented in this update include projections of costs associated with Lewiston Loop, which received its Certificate of Public Convenience and Necessity (CPCN) in August 2013.

3. Project Cost Summary

Central Maine Power - Maine Power Reliability Program \$/1000							
Project MPRP Components	Base Estimate	Base Estimate With Contingency	Scope Change	Actual Costs	Project Forecast	Estimated % Completion	Forecast vs. Estimate
2.2.1 New 345KV Lines	\$ 387,999	\$ 448,684	\$ -	\$ 338,063	\$ 458,056	74%	\$ 9,372
2.2.2 New 115KV Lines	\$ 157,214	\$ 181,802	\$ 6,741	\$ 136,288	\$ 199,787	68%	\$ 17,985
2.2.3 New 345KV Substations	\$ 236,352	\$ 273,467	\$ -	\$ 186,394	\$ 195,273	95%	\$ (78,194)
2.2.4 New 115KV Substations	\$ 18,433	\$ 21,316	\$ 5,914	\$ 11,364	\$ 26,491	43%	\$ 5,175
2.2.5 345 KV Substations Expansions/Modifications	\$ 70,160	\$ 81,122	\$ -	\$ 76,129	\$ 77,313	98%	\$ (3,809)
2.2.6 115 KV Substations Expansions/Modifications	\$ 29,769	\$ 35,424	\$ 3,562	\$ 31,538	\$ 52,117	61%	\$ 16,693
2.2.7 Lines Rerates, Relocations, Rebuilds	\$ 311,966	\$ 360,759	\$ 5,747	\$ 294,949	\$ 405,109	73%	\$ 44,350
Grand Total	\$ 1,211,893	\$ 1,402,574	\$ 21,964	\$ 1,074,725	\$ 1,414,146	76.00%	\$ 11,572

Note: PTD Through the First Quarter of 2014 (includes Bangor Hydro Orrington investments)

4. Project Forecast

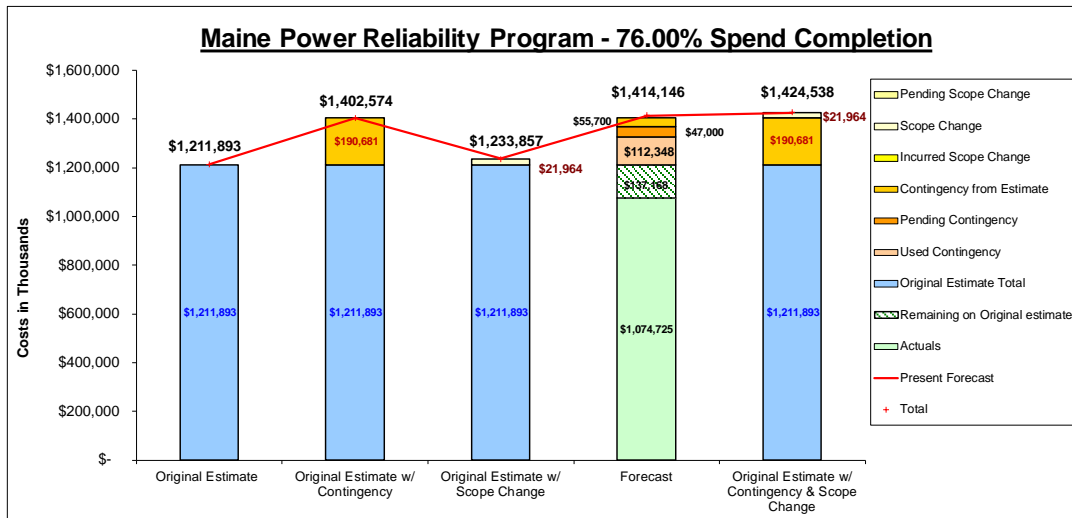


FIGURE 3 – ADDITIONAL MPRP PROJECTS PENDING MPUC APPROVAL

ADDITIONAL PROJECTS COST ESTIMATE UPDATE SHEET

Transmission Owner:	Central Maine Power Co.	RSP Project #:	Various
Project Name:	Maine Power Reliability Program	Estimate Grade:	D (Construction)
Base Estimate:	\$ 72,414	PPA Approval:	
TCA Application #:	CMP-08-TCA-01 & CMP-10-TCA-01	Date:	5/31/2014

1. Project Scope Summary

Central Maine Power is modernizing its 40 year-old bulk power transmission system by investing between \$1.4 and \$1.5 billion in new construction. The proposed improvements are intended to maintain reliability over the coming decades and to provide the infrastructure necessary to facilitate the state's emerging wind, hydro, biomass and tidal energy industries. The Maine Power Reliability Program will improve the company's electric transmission network primarily between the towns of Eliot and Orrington where it interconnects to transmission systems in northern and eastern Maine. The Program is segregated into logical construction areas referred to as the Northern Loop, Central Loop, Southern Loop and Southern Connector.

2. Project Update

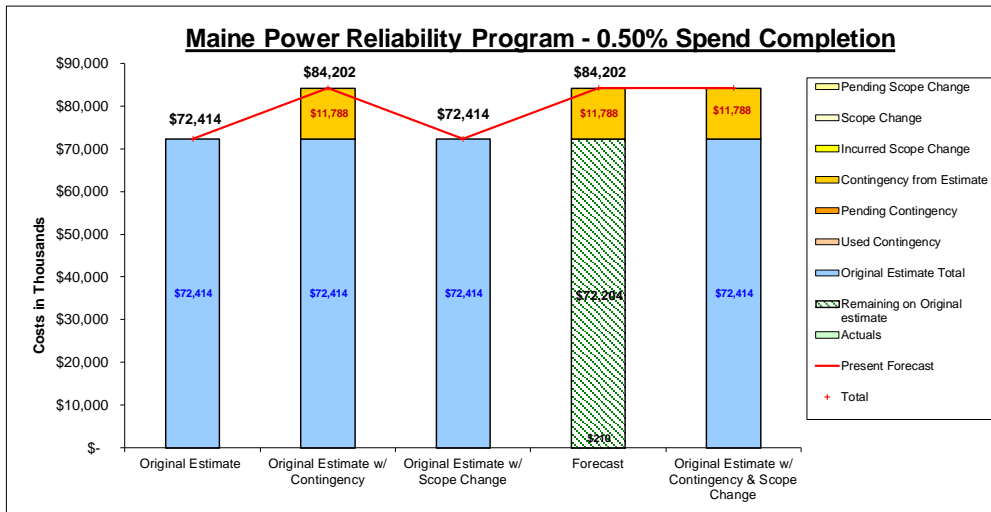
The MPRP received its ISO-NE determination letter in January 2010. The Certificate of Public Convenience and Necessity (CPCN) from the Maine Public Utilities Commission (MPUC) was approved with stipulation on June 10, 2010 followed by subsequent approvals in 2011 and 2013. Approvals by the Maine Department of Environmental Protection (MDEP) were received on April 5, 2010 and the by the Army Corps of Engineers (ACOE) on July 21, 2010. Since the 2013 cost update, ISO-NE has cancelled the Raven Farm autotransformer and 115kV switchyard. The values represented in the deferred project update include estimates and forecasts of project costs, or portions thereof, that are currently being pursued within the planning and regulatory process.

3. Project Cost Summary

Central Maine Power - Maine Power Reliability Program							
Project Maine Power Reliability Program Components	Base Estimate	Base Estimate With Contingency	Scope Change	Actual Costs	Project Forecast	Estimated % Completion	Forecast vs. Estimate
2.2.1 New 345KV Lines	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ -
2.2.2 New 115KV Lines	\$ 26,377	\$ 30,671	\$ -	\$ 77	\$ 30,671	0%	\$ -
2.2.3 New 345KV Substations	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ -
2.2.4 New 115KV Substations	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ -
2.2.5 345 KV Substations Expansions/Modifications	\$ 7,686	\$ 8,937	\$ -	\$ -	\$ 8,937	0%	\$ -
2.2.6 115 KV Substations Expansions/Modifications	\$ 1,219	\$ 1,417	\$ -	\$ 47	\$ 1,417	3%	\$ -
2.2.7 Lines Rerates, Relocations, Rebuilds	\$ 37,132	\$ 43,177	\$ -	\$ 86	\$ 43,177	0%	\$ -
Grand Total	\$ 72,414	\$ 84,202	\$ -	\$ 210	\$ 84,202	0.50%	\$ -

Note: PTD Through the First Quarter of 2014

4. Project Forecast



APPENDIX A – PROGRAM COST SUMMARY



MAINE POWER RELIABILITY PROGRAM (MPRP)
Program Cost Summary \$/1000
as of 31-May-14



Approved Projects

Calendar Year	Pre 2014 Total	2014												2014 Total	2015 Total	2016 Total	TOTAL
		January	February	March	April	May	June	July	August	September	October	November	December				
Material	\$ 173,308	\$ 61	\$ 1,337	\$ (1,144)	\$ 2,368	\$ 1,045	\$ 856	\$ 812	\$ 1,050	\$ 626	\$ 505	\$ 375	\$ 262	\$ 8,155	\$ 8,155	\$ 2,616	\$ 192,233
Labor	\$ 511,162	\$ 6,926	\$ 13,523	\$ 17,060	\$ 9,989	\$ 9,291	\$ 8,824	\$ 5,854	\$ 5,814	\$ 3,119	\$ 2,744	\$ 1,953	\$ 1,316	\$ 86,413	\$ 55,288	\$ 10,253	\$ 663,115
Right of Way (net)	\$ 40,343	\$ 118	\$ 98	\$ 44	\$ -	\$ 55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 315	\$ 120	\$ 200	\$ 40,978
Engineering / Permitting / Indirects	\$ 290,391	\$ 4,039	\$ 1,995	\$ 1,632	\$ 2,808	\$ 2,073	\$ 1,269	\$ 1,066	\$ 2,051	\$ 1,615	\$ 1,093	\$ 950	\$ 1,226	\$ 21,817	\$ 12,603	\$ 11,550	\$ 336,361
Escalation (Future Spend)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125	\$ 125	\$ 125	\$ 125	\$ 125	\$ 125	\$ 125	\$ 125	\$ 1,001	\$ 10,000	\$ 1,051	\$ 12,052
AFUDC (Distribution)	\$ 198	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 10	\$ 10	\$ 5	\$ 223
Contingency	\$ 140,760	\$ -	\$ -	\$ -	\$ -	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 3,554	\$ 13,401	\$ 11,470	\$ 169,185
Total	\$ 1,156,161	\$ 11,145	\$ 16,954	\$ 17,592	\$ 15,166	\$ 13,035	\$ 11,519	\$ 8,302	\$ 9,485	\$ 5,930	\$ 4,912	\$ 3,848	\$ 3,375	\$ 121,264	\$ 99,577	\$ 37,145	\$ 1,414,146

Additional Projects

Calendar Year	Pre 2014 Total	2014												2014 Total	2015 Total	2016 Total	TOTAL		
		January	February	March	April	May	June	July	August	September	October	November	December						
Material	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,100	\$ 8,617	\$ 21,717
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,893	\$ 13,697	\$ 27,590
Right of Way	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering / Permitting / Indirects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 159	\$ 161	\$ 39	\$ 39	\$ 21	\$ 21	\$ 21	\$ 21	\$ 481	\$ 5,859	\$ 9,200	\$ 15,540		
Escalation (Future Spend)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,843	\$ 1,422	\$ 3,265		
AFUDC (Lewiston Loop)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,070	\$ 7,020	\$ 16,090
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 159	\$ 161	\$ 39	\$ 39	\$ 21	\$ 21	\$ 21	\$ 21	\$ 481	\$ 43,765	\$ 39,956	\$ 84,202		

Total Projects

Calendar Year	Pre 2014 Total	2014												2014 Total	2015 Total	2016 Total	TOTAL
		January	February	March	April	May	June	July	August	September	October	November	December				
Material	\$ 173,308	\$ 61	\$ 1,337	\$ (1,144)	\$ 2,368	\$ 1,045	\$ 856	\$ 812	\$ 1,050	\$ 626	\$ 505	\$ 375	\$ 262	\$ 8,155	\$ 21,255	\$ 11,233	\$ 213,950
Labor	\$ 511,162	\$ 6,926	\$ 13,523	\$ 17,060	\$ 9,989	\$ 9,291	\$ 8,824	\$ 5,854	\$ 5,814	\$ 3,119	\$ 2,744	\$ 1,953	\$ 1,316	\$ 86,413	\$ 69,181	\$ 23,950	\$ 690,705
Right of Way	\$ 40,343	\$ 118	\$ 98	\$ 44	\$ -	\$ 55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 315	\$ 120	\$ 200	\$ 40,978
Engineering / Permitting / Indirects	\$ 290,391	\$ 4,039	\$ 1,995	\$ 1,632	\$ 2,808	\$ 2,232	\$ 1,430	\$ 1,105	\$ 2,090	\$ 1,636	\$ 1,114	\$ 971	\$ 1,247	\$ 22,298	\$ 18,462	\$ 20,750	\$ 351,901
Escalation (Future Spend)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125	\$ 125	\$ 125	\$ 125	\$ 125	\$ 125	\$ 125	\$ 125	\$ 1,001	\$ 11,843	\$ 2,473	\$ 15,317
AFUDC	\$ 198	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 10	\$ 10	\$ 5	\$ 223
Contingency	\$ 140,760	\$ -	\$ -	\$ -	\$ -	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 3,554	\$ 22,471	\$ 18,490	\$ 185,275
Total	\$ 1,156,161	\$ 11,145	\$ 16,954	\$ 17,592	\$ 15,166	\$ 13,194	\$ 11,680	\$ 8,341	\$ 9,524	\$ 5,951	\$ 4,933	\$ 3,869	\$ 3,396	\$ 121,745	\$ 143,342	\$ 77,101	\$ 1,498,348

APPENDIX B – MPRP COSTS THROUGH 2013 FOR CWIP FILING

CMP MPRP Costs For 2014 CWIP Filing

	PTF	Non-PTF	Transmission Totals
A. 2013 Ending Balances			
Plant In-Service	\$ 578,283,402	\$ 26,472,757	\$ 604,756,159
CWIP	\$ 499,181,255	\$ 5,034,097	\$ 504,215,352
Retirement and Salvage Cost			
Total through 2013	\$ 1,077,464,657	\$ 31,506,854	\$ 1,108,971,511
B. 2014 Additions or Adjustments			
Plant In-Service	\$ 278,208,797	\$ 2,423,000	\$ 280,631,797
CWIP	\$ (176,130,613)	\$ 1,375,816	\$ (174,754,797)
Retirement and Salvage Cost			
Total Projected in 2014	\$ 102,078,184	\$ 3,798,816	\$ 105,877,000
C. Projected 2014 Ending Balances			
Plant In-Service	\$ 856,492,199	\$ 28,895,757	\$ 885,387,956
CWIP	\$ 323,050,642	\$ 6,409,913	\$ 329,460,555
Retirement and Salvage Cost	\$ -	\$ -	
Total Projected through 2014	\$ 1,179,542,841	\$ 35,305,670	\$ 1,214,848,511

Chicopee Electric Light

Sheet: Input Panel

Input Panel

Regional Network Service
Annual Transmission Revenue Requirements
per Attachment F of the ISO New England Inc. Open Access Transmission Tariff

 Shading denotes an input

Submitted on: 05/12/2014

Revenue Requirements for (year): 2013

Customer: Chicopee Electric Light

Customer's NABs Number: 7

Name of Participant responsible for customer's billing: Jeffrey R. Cady, General Manager

DUNs number of Participant responsible for customer's billing: 114683899

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	<u>282</u> (a)	<u>393,133</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>28,207</u> (c)	<u>0</u> (h)
Total of Attachment F - Section L through O	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>28,489</u> (e)=(a)-(b)+(c)+(d)	<u>393,133</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements		0 (m)
Annual True-up	(\$1,724)	<u>393,133</u> (n)
Interest Charge on Annual True-up	(57) (l)	13,101 (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	26,708 (p)	799,367 (q)
Annual Projected 2014 Revenue Requirement Total = Sum of Pre-97 Revenue Requirements, plus Post-96 Revenue Requirements, plus Annual True-up, and plus Interest on Annual True-up:		<u>826,074</u> (r) = (p)+(q)

Chicopee Electric Light
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2013 and billed 06/13-05/14

RNS Rate

Line No.	I.	Attachment F Reference	Pre 1997	Post 1996	Reference
I. INVESTMENT BASE					
1	Transmission Plant	I (A)(1)(a)	0	0	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	0	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	I (A)(1)(c)	0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		0	0	
5	Accumulated Depreciation	I (A)(1)(d)	0	0	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	I (A)(1)(e)	0	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	I (A)(1)(f)	0	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	I (A)(1)(g)	0	0	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		0	0	
10	Prepayments	I (A)(1)(h)	0	0	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	0	0	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	0	0	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		0	0	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	0	0	Worksheet 2
15	Depreciation Expense	I (B)	0	0	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	I (C)	0	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	I (D)	0	0	Worksheet 4, line 5 column 5
18	Property Taxes	I (E)	0	0	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	0	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	0	0	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	0	0	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	I (I)	0	0	
23	Transmission Support Revenue	I (J)	0	0	Worksheet 7
24	Transmission Support Expense	I (K)	30,213	0	Worksheet 7
25	Transmission Related Expense from Generators	I (L)	0	0	
26	Transmission Related Taxes and Fees Charge	I (M)	0	0	
27	Revenue for ST Trans. Service Under NEPOOL T	I (N)	0	0	Txm related Acct 456
28	Transmission Rents Received from Electric Proper	I (O)	0	0	Txm related Acct 454-rent
29	Total Revenue Requirements (Line 14 thru 28)		30,213	0	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			0	
31	Post-2003 Enhanced Return Addition to Revenue Requirement			-	
32	Total Post-96 PTF Revenue Requirement			0	
33	Post-96 PTF Transmission Plant in Service			0	
34	Post-96 Carrying Charge Factor (Post-96 CCF)			0.0%	
35	Forecasted Post-96 PTF Plant Additions			0	
36	Forecasted Post-96 Localized PTF Plant Additions			0	
37	Forecasted Post-96 Pool-Supported PTF Plant Additions			0	
38	Post-96 Estimated Incremental Revenue Requirement			0	

RNS Rate

Chicopee Electric Light
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2012

1 2013 Actual Annual RR				28,489	393,133	Input Panel Subtotals
2 2013 Est. Transmission Revenue Requirements (as billed)	6/13-05/14	Appendix C		30,213	0	ATRR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)				-1,724	393,133	

Pre'97	(Overcollection)/Undercollection
Post'96	(\$1,724)
	\$393,133

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2013	(\$1,724)	\$393,133	0.27%	(\$5)	\$1,061
July 2013	(1,729)	394,194	0.28%	-5	\$1,104
August 2013	(1,729)	394,194	0.28%	-5	\$1,104
September 2013	(1,729)	394,194	0.27%	-5	\$1,064
October 2013	(1,743)	397,466	0.28%	-5	\$1,113
November 2013	(1,743)	397,466	0.27%	-5	\$1,073
December 2013	(1,743)	397,466	0.28%	-5	\$1,113
January 2014	(1,757)	400,765	0.28%	-5	\$1,122
February 2014	(1,757)	400,765	0.25%	-4	\$1,002
March 2014	(1,757)	400,765	0.28%	-5	\$1,122
April 2014	(1,772)	404,011	0.27%	-5	\$1,091
May 2014	(1,772)	404,011	0.28%	-5	\$1,131
		Total Interest		-\$57	\$13,101
		True-Up		-\$1,724	\$393,133
		Total TU & Int		-\$1,781	\$406,234

Sheet: Input Panel

NEPOOL Tariff Billing
NEPOOL Annual Transmission Revenue Requirements
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on: 12-May-14

Revenue Requirements for (year): Calendar Year 2013

Customer: Chicopee Electric Light

Customer's NABs Number: 7

Name of Participant responsible for customer's billing: Jeffrey R. Cady, General Manager

DUNs number of Participant responsible for customer's billing: 114683899

	=	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I		<u>282</u> (a)	<u> </u> (f)
Total of Attachment F - Section J - Support Revenue		<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense		<u>28,207</u> (c)	<u> </u> (h)
Total of Attachment F - Section (L through O)		<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>28,489</u> (e)=(a)-(b)+(c)+(d)	<u>0</u> (j)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 28,489 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u> (h)

Voting Share Total for Participant's R Value: 28,489 (l)=(k)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2013

Shading denotes an input

Line No.		Attachment F Reference	Chicopee	Reference
I. INVESTMENT BASE				
1	Transmission Plant	(A)(1)(a)	0	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		0	
5	Accumulated Depreciation	(A)(1)(d)	0	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		0	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	3,526	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		3,526	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	282	Worksheet 2
15	Depreciation Expense	(B)	0	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	0	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	0	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	0	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	28,207	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		28,489	

Chicopee Electric Light
Annual Revenue Requirements
Calendar Year 2013

Shading denotes an input

	CAPITALIZATION 12/31/2009	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \left(\frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}} \right)$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{3,526} \right) / 0}{1} \right) \times \left(\frac{0}{0} \right)$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{State Income Tax Rate}}{1} \right) + \left(\frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{3,526} \right) / 0}{1} \right) + \left(\frac{0.0000000}{0} \right) \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

(PTF)

INVESTMENT BASE	\$ 3,526	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>282</u>	To Worksheet 1

Chicopee Electric Light
Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ -		0		0	Line 1, Worksheet 5
2	16,533,234	0.0000% (a)	0	0.0000%	0	Page 8B line 29(g)
3			0		0	
4	0		0	0.0000%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	0		0	0.0000%	0	Page 8A, line 31(g) less Page 16, line 31(g)
6	11,374,336	0.0000% (a)	0	0.0000%	0	Page 8B, line 29(g) less Page 17, line 29(g)
7			0		0	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	5.6378% (c)	0	0.0000%	0	None known
9	0	5.6378% (c)	0	0.0000%	0	None known
10			0		0	
11	0	5.6378% (c)	0	0.0000%	0	None known
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	0.0000%	0	None known
13	0	5.6378% (c)	0	0.0000%	0	None known
14	0	5.6378% (c)	0	0.0000%	0	
15	0		0		0	
16	3,555,130	0.0000% (a)	0	0.0000%	0	Assumed none
17	1,879,326	0.0000%	0	0.0000%	0	Assumed none
<u>Cash Working Capital</u>						
19					0	Worksheet 1, Line 20
20					0	Worksheet 1, Line 21
21					28,207	Worksheet 1, Line 24
22					28,207	
23					0.125	x 45 / 360
24					3,526	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Chicopee Electric Light
Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
Depreciation Expense						
1	0		0	0.0000%	0	Page 16, line 31(d)
2	670,226	0.0000% (a)	0	0.0000%	0	Page 17, line 29(d)
3			0		0	
4	0	5.6378% (c)	0	0.0000%	0	None known
5	0	5.6378% (c)	0	0.0000%	0	None known
Property Taxes *						
6	682,500	5.6378%	38,478	0.0000%	0	DTE, p. 21 line 24
7	682,500	0.0000% (a)	0	0.0000%	0	DTE, p. 21 line 24
8			38,478		0	
Transmission Operation and Maintenance						
9	7,695,221		7,695,221	0	0	Page 40, line 50(b)
10	7,695,221		7,695,221	0	0	Page 40, line 38(b)
11	0		0	0	0	Page 40, line 34(b)
12	0		0	0	0	Page 40, line 35(b) 40(b)
13	0		0	0.0000%	0	
Transmission Administrative and General						
14	51,008,002					Page 42, line 6(b)
15	65,798					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	13,220					<i>assumed none</i>
18	50,928,984	0.0000% (a)	0	0.0000%	0	
19	65,798	5.6378% (c)	3,710	0.0000%	0	
20	0	5.6378% (c)	0	0.0000%	0	
21	0	5.6378% (c)	0	0.0000%	0	
22	50,994,782		3,710		0	
23	0	0.0000% (a)	0	0.0000%	0	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

Shading denotes an input

Calendar Year 2013

<u>Line No.</u>		<u>Chicopee</u>	<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	0	
2	Total Transmission Investment	4,386,353	See Worksheet Page 8A, line 31(g)
3	Percent Allocation (Line 1/Line 2)	<u>0.0000%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	0	See Worksheet
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	0	
7	Total Wages and Salaries	4,815,216	Page 42, line 24 (c)
8	Administrative and General Wages and Salaries	593,266	Page 41, line 43(b)
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	<u>4,221,950</u>	
11	Percent Allocation (Line 6/Line 10)	<u>0.0000%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	4,386,353	Line 2
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	0	<i>Worksheet 3, Line 2</i>
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	<u>4,386,353</u>	
15	Total Plant in Service	77,801,880	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	<u>5.6378%</u>	

Affiliated Company Wages and Salaries

Calendar Year 2013

Shading denotes an input

<u>Line</u>		<u>Chicopee</u>
"Affiliated" Transmission Wages and Salaries #560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 =	Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries #920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

Chicopee

Calendar Year 2013

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		1,530
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			7,275
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
NEP	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		19,402
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		
NU	115 kV Read - Washington V148 line			
	345 kV 363, 369 and 394 Seabrook lines			
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
	Seabrook			0
Total =			0	28,207

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Sheet: Input Panel

NEPOOL Tariff Billing
NEPOOL Annual Transmission Revenue Requirements
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on:	May 12, 2014
Revenue Requirements for (year):	Calendar Year 2013
Customer:	Chicopee Electric Light
Customer's NABs Number:	7
Name of Participant responsible for customer's billing:	Jeffrey R. Cady, General Manager
DUNs number of Participant responsible for customer's billing:	114683899

	=	<u>Pre-97 Revenue Requirements</u>	<u>Post-97 Revenue Requirements</u>
Total of Attachment F - Sections A through I		(a)	393,133 (f)
Total of Attachment F - Section J - Support Revenue		0 (b)	0 (g)
Total of Attachment F - Section K - Support Expense		0 (c)	0 (h)
Total of Attachment F - Section (L through O)		0 (d)	0 (i)
Sub Total - Sum (A through I) - J + K + (L through O)		0 (e)=(a)-(b)+(c)+(d)	393,133 (j)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:

	393,133 (k) = (e) + (j)
--	-------------------------

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	0 (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	0 (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	0 (h)

Voting Share Total for Participant's R Value: 393,133 (l)=(k)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2013

Shading denotes an input

Line No.		Attachment F Reference	Chicopee	Reference
	I. INVESTMENT BASE	<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	4,386,353	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		4,386,353	
5	Accumulated Depreciation	(A)(1)(d)	0	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		4,386,353	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	464	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		4,386,817	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	350,945	Worksheet 2
15	Depreciation Expense	(B)	0	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	38,478	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	0	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	3,710	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		393,133	

Chicopee Electric Light
Annual Revenue Requirements
Calendar Year 2013

Shading denotes an input

	CAPITALIZATION 12/31/2007	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%	8.00%	8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1 - \text{Federal Income Tax Rate}} \right)$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{4,386,817} \right) / 0}{1 - 0} \right)$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1 - \text{State Income Tax Rate}} \right) * \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{4,386,817} \right) / 0.0000000}{1 - 0} \right) * 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

(PTF)

INVESTMENT BASE	\$ 4,386,817	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>350,945</u>	To Worksheet 1

Chicopee Electric Light
Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 4,386,353		4,386,353		4,386,353	Line 1, Worksheet 5
2	16,533,234	0.0000% (a)	0	100.0000%	0	Page 8B line 29(g)
3			<u>4,386,353</u>		<u>4,386,353</u>	
4	0		0	100.0000%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	0		0	100.0000%	0	Page 8A, line 31(g) less Page 16, line 31(g)
6	11,374,336	0.0000% (a)	0	100.0000%	0	Page 8B, line 29(g) less Page 17, line 29(g)
7			<u>0</u>		<u>0</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	5.6378% (c)	0	100.0000%	0	None known
9	0	5.6378% (c)	0	100.0000%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	5.6378% (c)	0	100.0000%	0	None known
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	100.0000%	0	None known
13	0	5.6378% (c)	0	100.0000%	0	None known
14	0	5.6378% (c)	0	100.0000%	0	
15			<u>0</u>		<u>0</u>	
16	3,555,130	0.0000% (a)	0	100.0000%	0	Assumed none
17	1,879,326	0.0000%	0	100.0000%	0	Assumed none
<u>Cash Working Capital</u>						
19					0	Worksheet 1, Line 20
20					3,710	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					<u>3,710</u>	
23					0.125	x 45 / 360
24					<u>464</u>	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Chicopee Electric Light

Calendar Year 2013

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Depreciation Expense</u>						
1	0		0	100.0000%	0	Page 16, line 31(d)
2	670,226	0.0000% (a)	0	100.0000%	0	Page 17, line 29(d)
3			0		0	
4	0	5.6378% (c)	0	100.0000%	0	None known
5	0	5.6378% (c)	0	100.0000%	0	None known
<u>Property Taxes *</u>						
6	682,500	5.6378% (c)	38,478	100.0000%	38,478	DTE, p. 21 line 24
7	682,500	0.0000% (a)	0	100.0000%	0	DTE, p. 21 line 24
8			38,478		38,478	
<u>Transmission Operation and Maintenance</u>						
9	7,695,221		7,695,221	1	7,695,221	Page 40, line 50(b)
10	7,695,221		7,695,221	1	7,695,221	Page 40, line 38(b)
11	0		0	1	0	Page 40, line 34(b)
12	0		0	1	0	Page 40, line 35(b) 40(b)
13	0		0	100.0000%	0	
<u>Transmission Administrative and General</u>						
14	51,008,002					Page 42, line 6(b)
15	65,798					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	13,220					assumed none
18	50,928,984	0.0000% (a)	0	100.0000%	0	
19	65,798	5.6378% (c)	3,710	100.0000%	3,710	
20	0	5.6378% (c)	0	100.0000%	0	
21	0	5.6378% (c)	0	100.0000%	0	
22	50,994,782		3,710		3,710	
23	0	0.0000% (a)	0	100.0000%	0	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Property Taxes are for Transmission Related Plant only

Shading denotes an input

Calendar Year 2013

<u>Line No.</u>		<u>Chicopee</u>	<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	4,386,353	See Worksheet Page 8A, line 31(g)
2	Total Transmission Investment	4,386,353	
3	Percent Allocation (Line 1/Line 2)	<u>100.0000%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	0	See Worksheet Worksheet 6 & 6a of 8
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	0	
7	Total Wages and Salaries	4,815,216	Page 42, line 24 (c) Page 41, line 43(b) Worksheet 6 & 6a of 8
8	Administrative and General Wages and Salaries	593,266	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	<u>4,221,950</u>	
11	Percent Allocation (Line 6/Line 10)	<u>0.0000%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	4,386,353	Line 2 Worksheet 3, Line 2
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	0	
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	<u>4,386,353</u>	
15	Total Plant in Service	77,801,880	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	<u>5.6378%</u>	

Affiliated Company Wages and Salaries

Shading denotes an input

Calendar Year 2013

Line		Chicopee
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 = Total "Affiliated" Wages and Salaries		
		0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21 Total "Affiliated" less A&G		
		0

Chicopee

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

CTMEEC
Revenue Required and Support Payment Summary
For Rate Year June 2014 - May 2015
Submitted May 12, 2014

Support Payments / Revenue Requirements	Pre-97	Post-96	Total
Connecticut Transmission Municipal Electric Energy Cooperative (dba Transco)	\$ -	\$ 7,916,283	\$ 7,916,283
City of Norwalk, Third Taxing District	-	189,894	189,894
Connecticut Municipal Electric Energy Cooperative	78,158	-	78,158
Bozrah Light and Power	-	143,799	143,799
Groton Utilities	-	196,070	196,070
Mohegan Tribal Utility Authority	-	471,167	471,167
Norwich Public Utilities	265,589	-	265,589
Total Support Payments and Revenue Requirements	\$ 343,747	\$ 8,917,213	\$ 9,260,960

Voting Share

Regional Network Service
Annual Transmission Revenue Requirements
per Tariff Attachment F and ISO New England Inc. OATT

Shading denotes an input

Submitted on:	May 12, 2014
Revenue Requirements for (year):	2013
Rate Effective for the period: Through:	June 1, 2014 May 31, 2015
Customer:	CTMEEC
Customer's NABs Number:	51386
Name of Participant responsible for customer's billing:	CTMEEC
DUNs number of Participant responsible for customer's billing:	96-773-8696

	Pre-97 Revenue Requirements	Post-97 Revenue Requirements
Total of Attachment F - Sections A through =	0 (a)	7,985,657 (f)
Total of Attachment F - Section J - Support Revenue	0 (b)	0 (g)
Total of Attachment F - Section K - Support Expense	0 (c)	0 (h)
Total of Attachment F - Section (L through O)	0 (d)	0 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	0 (e)=(a)-(b)+(c)+(d)	7,985,657 (j)=(f)-(g)+(h)+(i)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)		- (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)		(69,374) (m)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 7,916,283 (l) = (j)+(k)+(m)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u> (h)

Voting Share Total for Participant's R Value: 7,916,283 (l)=(o)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Shading denotes an input

		Attachment F				
Line No.	Reference	Post 96 (less Post 2003)	Post 2003	Total	Reference	
I. INVESTMENT BASE						
1	Transmission Plant	(A)(1)(a)	0	51,339,755	51,339,755	Worksheet 3, Line 1, 1a, 1b
2	General Plant	(A)(1)(b)	0	0	0	Worksheet 3, Line 2
3	Plant Held For Future Use	(A)(1)(c)	0	0	0	Worksheet 3, Line 4
4	Total Plant (Lines 1+2+3)		0	51,339,755	51,339,755	
5	Accumulated Depreciation	(A)(1)(d)		7,322,554	7,322,554	Worksheet 3, Line 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	0	0	Worksheet 3, Line 8
7	Loss On Reacquired Debt	(A)(1)(f)	0	0	0	Worksheet 3, Line 10
8	Other Regulatory Assets	(A)(1)(g)	0	0	0	Worksheet 3, Line 13
9	Net Investment (Line 4-5-6+7+8)		0	44,017,201	44,017,201	
10	Prepayments	(A)(1)(h)	471,921	0	471,921	Worksheet 3, Line 15
11	Materials & Supplies	(A)(1)(i)	0	0	0	Worksheet 3, Line 16
12	Cash Working Capital	(A)(1)(j)	229,107	0	229,107	Worksheet 3, Line 22
13	Total Investment Base (Line 9+10+11+12)		701,028	44,017,201	44,718,229	
II. REVENUE REQUIREMENTS						
14	Investment Return and Income Taxes	(A)	3,841,296	268,505	4,109,801	Worksheet 2(a) + (b), IRT
15	Depreciation Expense	(B)			1,308,149	Worksheet 4, Line 3
16	Amortization of Loss on Reacquired Debt	(C)			0	Worksheet 4, Line 4
17	Investment Tax Credit	(D)			0	Worksheet 4, Line 5
18	Property Tax Expense	(E)			734,848	Worksheet 4, Line 8
19	Payroll Tax Expense	(F)			0	Worksheet 4, Line 23
20	Operation & Maintenance Expense	(G)			1,314,279	Worksheet 4, Line 13
21	Administrative & General Expense	(H)			518,580	Worksheet 4, Line 22
22	Transmission Related Integrated Facilities Charge	(I)			0	Worksheet 7, Col B
23	Transmission Support Revenue	(J)			0	Worksheet 7, Col B
24	Transmission Support Expense	(K)			0	Worksheet 7, Total
25	Transmission Related Expense from Generators	(L)			0	Worksheet 7, Col B
26	Transmission Related Taxes and Fees Charge	(M)			0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)			0	
28	Transmission Rents Received from Electric Property	(O)			0	
29	Total Revenue Requirements (Line 14 thru 28)				7,985,657	

Shading denotes an input

POST 1996

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 20,690,000	38.80%	3.79%	1.47%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	32,632,801	61.20%	11.64%	7.12%	7.12%
TOTAL INVESTMENT RETURN	\$ 53,322,801	100.00%		8.59%	7.12%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0859

PTF Inv.

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 44,718,229	From Worksheet 1, Line 13
x Cost of Capital Rate	8.59%	
= Investment Return and Income Taxes	<u>3,841,296</u>	To Worksheet 1, Line 14

 Shading denotes an input

POST 2003

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 20,690,000	38.80%	0.00%	0.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	32,632,801	61.20%	1.00%	0.61%	0.61%
TOTAL INVESTMENT RETURN	\$ 53,322,801	100.00%		0.61%	0.61%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0061

(PTF)

INVESTMENT BASE \$ 44,017,201 From Worksheet 1, Line 13

x Cost of Capital Rate 0.61%

= Investment Return and Income Taxes 268,505 To Worksheet 1, Line 14

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
<u>Transmission Plant</u>						
1	52,943,411		52,943,411	96.9710%	\$ 51,339,755	worksheet 5 of 7
2	0	100.0000% (a)	0	96.9710%	0	
3			<u>52,943,411</u>		<u>51,339,755</u>	
4	0		0	96.9710%	0	None
<u>Transmission Accumulated Depreciation</u>						
5	7,551,283		7,551,283	96.9710%	7,322,554	2013 YE GL
6	0	100.0000% (a)	0	96.9710%	0	
7			<u>7,551,283</u>		<u>7,322,554</u>	
	45,392,128					
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	100.0000% (c)	0	96.9710%	0	None
9	0	100.0000% (c)	0	96.9710%	0	None
10			<u>0</u>		<u>0</u>	
11	0	100.0000% (c)	0	96.9710%	0	None
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a)	0	96.9710%	0	None
13	0	100.0000% (c)	0	96.9710%	0	None
14	0	100.0000% (c)	0	96.9710%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	486,662	100.0000% (a)	486,662	96.9710%	471,921	2013 YE GL
17	0	100.0000%	0	96.9710%	0	
<u>Cash Working Capital</u>						
19					1,314,279	Worksheet 1, Line 20
20					518,580	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					<u>1,832,859</u>	
23					0.125	x 45 / 360
24					<u>229,107</u>	

(a) Worksheet 5 of 8, line 11 - Wage & Salary Allocator

(b) Worksheet 5 of 8, line 3 - PTF Allocator

(c) Worksheet 5 of 8, line 16 - Plant Allocator

Shading denotes an input


Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
<u>Depreciation Expense</u>						
1	1,349,011		1,349,011	96.9710%	1,308,149	2013 YE GL
2	0	100.0000% (a)	0	96.9710%	0	None
3			<u>1,349,011</u>		<u>1,308,149</u>	
4	0	100.0000% (c)	0	96.9710%	0	None
5	0	100.0000% (c)	0	96.9710%	0	None
<u>Property Taxes</u>						
6	757,802	100.0000%	757,802	96.9710%	734,848	2013 YE GL
7	0	100.0000% (a)	0	96.9710%	0	
8			<u>757,802</u>		<u>734,848</u>	
<u>Transmission Operation and Maintenance</u>						
9	1,360,773		1,360,773	96.9710%	1,319,555	2013 YE GL
10	0		0	96.9710%	0	None
11	5,441		5,441	96.9710%	5,276	2013 YE GL
12	0		0	96.9710%	0	None
13	<u>1,355,332</u>		<u>1,355,332</u>	96.9710%	<u>1,314,279</u>	
<u>Transmission Administrative and General</u>						
14	534,778					2013 YE GL
15	0					
16	0					
17	0					
18	534,778	100.0000% (c)	534,778	96.9710%	518,580	
19	0	100.0000% (c)	0	96.9710%	0	
20	0	100.0000% (c)	0	96.9710%	0	
21	0	100.0000% (c)	0	96.9710%	0	
22	<u>534,778</u>		<u>534,778</u>		<u>518,580</u>	
23	0	100.0000% (a)	0	96.9710%	0	Footnote (d)
(a) Worksheet 5 of 8, line 11 - Wage & Salary Allocator						
(b) Worksheet 5 of 8, line 3 - PTF Allocator						
(c) Worksheet 5 of 8, line 16 - Plant Allocator						
(d) Payroll taxes						
	0					
	0					
	0					
	0					
	0					
	0					
	0					
	0					
	<u>0</u>					To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

Line No.		<u>Post 96</u>	<u>Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	\$ 51,339,736	Accounts 353--356 (non LNS portion)
2	Total Transmission Investment	52,943,411	Accounts 353--357
3	Percent Allocation (Line 1/Line 2)	<u>96.9710%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1	used 1 to prevent division error in formula
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	1	
7	Total Wages and Salaries	1	used 1 to prevent division error in formula
8	Administrative and General Wages and Salaries	0	none
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	1	
11	Percent Allocation (Line 6/Line 10)	<u>100.0000%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	52,943,411	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	0	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	<u>52,943,411</u>	
15	Total Plant in Service	52,943,411	
16	Percent Allocation (Line 14 / Line 15)	<u>100.0000%</u>	

Affiliated Company Wages and Salaries

 Shading denotes an input

<u>Line</u>		<u>Post 96</u>
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10 Total Transmission		0
12 = Total "Affiliated" Wages and Salaries		0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21 Total "Affiliated" less A&G		0

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	32.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	32.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

CTMEEC

**FERC Interest Calculation associated with Under / (Over) Collection
True Up and Interest Calculation for 2013**

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)	0	8,052,795	\$ 8,052,795	ATRR - Prior Year
2	True-up 2013 Actual Annual Revenue Req.	0	7,985,657	\$ 7,985,657	
3	True-up Surcharge / (Refund) (Line 2 - 1)	\$0	(\$67,138)	(\$67,138)	

	Undercollected/(Overcollected)
Pre 1997	\$0.00
Post 1996	(\$67,138)

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2013	\$0	(\$67,138)	0.27%	\$0	(\$181)
July 2013	\$0	(\$67,319)	0.28%	\$0	(\$188)
August 2013	\$0	(\$67,319)	0.28%	\$0	(\$188)
September 2013	\$0	(\$67,319)	0.27%	\$0	(\$182)
October 2013	\$0	(\$67,877)	0.28%	\$0	(\$190)
November 2013	\$0	(\$67,877)	0.27%	\$0	(\$183)
December 2013	\$0	(\$67,877)	0.28%	\$0	(\$190)
January 2014	\$0	(\$68,440)	0.28%	\$0	(\$192)
February 2014	\$0	(\$68,440)	0.25%	\$0	(\$171)
March 2014	\$0	(\$68,440)	0.28%	\$0	(\$192)
April 2014	\$0	(\$68,995)	0.27%	\$0	(\$186)
May 2014	\$0	(\$68,995)	0.28%	\$0	(\$193)

Total Undercollected/(Overcollected) \$0 (\$69,374)

	Interest	Principal	Total
Pre 1997	\$0	\$0	\$0
Post 1996	(\$2,236)	(\$67,138)	(\$69,374)
	<u>(\$2,236)</u>	<u>(\$67,138)</u>	<u>(\$69,374)</u>

Regional Network Service
Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO New England Inc. Open Access Transmission Tariff

Shading denotes an input

Submitted on:	May 12, 2014
Revenue Requirements based on Year Ending:	June 30, 2013
Rate Effective for the period:	June 1, 2014
Through:	May 31, 2015
Customer:	East Norwalk, Third Taxing District
Customer's NABs Number:	51386
Name of Participant responsible for customer's billing:	CTMEEC
DUNS number of Participant responsible for customer's billing:	96-773-8696

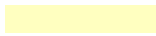
	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>0</u> (a)	<u>209,043</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u>0</u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>0</u> (e)=(a)-(b)+(c)+(d)	<u>209,043</u> (j)=(f)+(g)+(h)+(i)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>0</u>	<u>8,804</u> (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>0</u>	<u>(\$27,953)</u> (m)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		<u>189,894</u> (l) = (j)+(k)+(m)
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		<u>0</u> (h)
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		<u>189,894</u> (l)=(o)+(b)+(g)-(h)

East Norwalk, Third Taxing District



Shading denotes an input

Line No.		Attachment F Reference	Post 96	Reference
I. INVESTMENT BASE				
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	2,295,383	Worksheet 3, L10
2	General Plant	(A)(1)(b)	0	Worksheet 3, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, L14
4	Total Plant (Lines 1+2+3)		2,295,383	
5	Accumulated Depreciation	(A)(1)(d)	0	Worksheet 3, L19
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, L24
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, L26
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, L32
9	Net Investment (Line 4-5-6+7+8)		2,295,383	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, L34
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, L36
12	Cash Working Capital	(A)(1)(j)	0	Worksheet 3, 44
13	Total Investment Base (Line 9+10+11+12)		2,295,383	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	183,631	Worksheet 2, E56
15	Depreciation Expense	(B)	0	Worksheet 4, L3
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, L4
17	Investment Tax Credit	(D)	0	Worksheet 4, L5
18	Property Tax Expense	(E)	25,412	Worksheet 4, L8
19	Payroll Tax Expense	(F)	0	Worksheet 4, L23
20	Operation & Maintenance Expense	(G)	0	Worksheet 4, L13
21	Administrative & General Expense	(H)	0	Worksheet 4, L22
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7, E51
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		209,043	

 Shading denotes an input

	CAPITALIZATION <u>2013</u>	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 0	0.00%	0.00%	0.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	<u>2,295,383</u>	100.00%	8.00%	<u>8.00%</u>	<u>8.00%</u>
TOTAL INVESTMENT RETURN	<u>\$ 2,295,383</u>	<u>100.00%</u>		<u>8.00%</u>	<u>8.00%</u>

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 2,295,383	From Worksheet 1
x Cost of Capital Rate	8.00%	
= Investment Return and Income Taxes	<u>183,631</u>	To Worksheet 1

East Norwalk, Third Taxing District

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
<u>Transmission Plant</u>						
1	5,885,595				\$ 2,295,383	Worksheet 5, Line 1
2	0	0.0000% (a)	0	39.0000%	0	DPUC Report-Page 200 Line 2
3			<u>0</u>		<u>2,295,383</u>	
4	0		0	39.0000%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	0		0	39.0000%	0	see depreciation tab
6	0	0.0000% (a)	0	39.0000%	0	see depreciation tab
7			<u>0</u>		<u>0</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	37.4896% (c)	0	39.0000%	0	None known
9	0	37.4896% (c)	0	39.0000%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	37.4896% (c)	0	39.0000%	0	None known
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	39.0000%	0	None known
13	0	37.4896% (c)	0	39.0000%	0	None known
14	0	37.4896% (c)	0	39.0000%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	0	0.0000% (a)	0	39.0000%	0	Assumed none
17	0	37.4896%	0	39.0000%	0	DPUC report-Page 200
<u>Cash Working Capital</u>						
19					0	Worksheet 1, Line 20
20					0	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					0	
23					<u>0.125</u>	x 45 / 360
24					<u>0</u>	

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

East Norwalk, Third Taxing District

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
<u>Depreciation Expense</u>						
1	0		0	39.0000%	0	depreciation tab
2		0.0000% (a)	0	39.0000%	0	depreciation tab
3			0	May 18, 2011	0	
4	0	37.4896% (c)	0	39.0000%	0	None known
5	0	37.4896% (c)	0	39.0000%	0	None known
<u>Property Taxes *</u>						
6	65,159		65,159	39.0000%	25,412	See below
7	347,613	0.0000% (a)	0	39.0000%	0	See below
8			65,159		25,412	
<u>Transmission Operation and Maintenance</u>						
9	0		0	39.0000%	0	DPUC Report-Page 518
10	0		0	39.0000%	0	
11	0		0	39.0000%	0	
12	0		0	39.0000%	0	
13	0		0	39.0000%	0	
<u>Transmission Administrative and General</u>						
14	0					DPUC Report-Page 520
15	0					DPUC Report-Page 520
16	0					DPUC Report-Page 520
17	0					assumed none
18	0	0.0000% (a)	0	39.0000%	0	
19	0	37.4896% (c)	0	39.0000%	0	
20	0	37.4896% (c)	0	39.0000%	0	
21	0	37.4896% (c)	0	39.0000%	0	
22	0		0		0	
23	0	0.0000% (a)	0	39.0000%	0	Footnote (d)

(a) Worksheet 5 of 8, line 11 (Transmission Wage & Salary Allocator)

(b) Worksheet 5 of 8, line 3 (PTF Allocator)

(c) Worksheet 5 of 8, line 16 (Plant allocator)

(d) Payroll taxes

Federal Unemployment	0	assumed none for simplicity
FICA	0	DPUC Report Page 219
Medicare	0	assumed none for simplicity
CT Unemployment	0	assumed none for simplicity
MA Unemployment	0	assumed none for simplicity
MA Universal Health	0	assumed none for simplicity
VT Unemployment	0	assumed none for simplicity
NH Unemployment	0	assumed none for simplicity
Total	0	To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.


Total Transmission Plant in Service	5,885,595	worksheet 3 cell D10
Applicable Mill Rate	22.142	
	65,159	To Line 6 above (partial year allocated)

Total Electric Plant in Service	15,699,257	Worksheet 5 cell E36	E. Transmission Related Municipal Tax Expense shall equal the PTO's total electric municipal tax expense multiplied by the Plant Allocation Factor, and further multiplied by the PTF/HTF Transmission Plant Allocation Factor.
Less Furniture & Fixtures	0	DPUC Report Page 502 Line4	
Net Taxable Plant	15,699,257		
Applicable Mill Rate	22.142		
	347,613	To Line 7 above	

Shading denotes an input

Line No.		Reference
<u>PTF Transmission Plant Allocation Factor</u>		
1	PTF Transmission Investment	Fitch Substation tab
2	Total Transmission Investment	Fitch Substation tab
3	Percent Allocation (Line 1/Line 2)	
<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	DPUC Report-Page 507
5	Affiliated Company Transmission Wages and Salaries	Worksheet 6 of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	
7	Total Wages and Salaries	DPUC Report-Page 507
8	Administrative and General Wages and Salaries	DPUC Report-Page 507
9	Affiliated Company Wages and Salaries less A&G	Worksheet 6 of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	
11	Percent Allocation (Line 6/Line 10)	
<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	
15	Total Plant in Service	DPUC Report-Page 200 Line 2 + Fitch Substation
16	Percent Allocation (Line 14 / Line 15)	

Affiliated Company Wages and Salaries

 Shading denotes an input

Line		Post 96
"Affiliated" Transmission Wages and Salaries #560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 =	Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries #920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

East Norwalk, Third Taxing District

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

East Norwalk, Third Taxing District
FERC Interest Calculation associated with Under / (Over) Collection
True Up and Interest Calculation for 2013

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)	0	236,094	\$ 236,094	ATRR - Prior Year
2	True-up 2013 Actual Annual Revenue Req.	0	209,043	\$ 209,043	
3	True-up Surcharge / (Refund) (Line 2 - 1)	\$0	(\$27,051)	(\$27,051)	

	Undercollected/(Overcollected)
Pre 1997	\$0.00
Post 1996	(\$27,051)

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2013	\$0	(\$27,051)	0.27%	\$0	(\$73)
July 2013	\$0	(\$27,124)	0.28%	\$0	(\$76)
August 2013	\$0	(\$27,124)	0.28%	\$0	(\$76)
September 2013	\$0	(\$27,124)	0.27%	\$0	(\$73)
October 2013	\$0	(\$27,349)	0.28%	\$0	(\$77)
November 2013	\$0	(\$27,349)	0.27%	\$0	(\$74)
December 2013	\$0	(\$27,349)	0.28%	\$0	(\$77)
January 2014	\$0	(\$27,577)	0.28%	\$0	(\$77)
February 2014	\$0	(\$27,577)	0.25%	\$0	(\$69)
March 2014	\$0	(\$27,577)	0.28%	\$0	(\$77)
April 2014	\$0	(\$27,800)	0.27%	\$0	(\$75)
May 2014	\$0	(\$27,800)	0.28%	\$0	(\$78)
Total Undercollected/(Overcollected)				\$0	(\$27,953)

	Interest	Principal	Total
Pre 1997	\$0	\$0	\$0
Post 1996	(\$902)	(\$27,051)	(\$27,953)
	<u>(\$902)</u>	<u>(\$27,051)</u>	<u>(\$27,953)</u>

CTMEEC
East Norwalk, Third Taxing District
For costs In 2014
FORECAST

Shading denotes an input

I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS	Period	POST-1996	Reference
Line No,			
1 Forecasted Transmission Plant Additions	2014	96,679	
2 Carrying Charge Factor		9.11%	
3 Total Forecasted Revenue Requirements (Lines 1*2)		<u><u>8,804</u></u>	
<u>I. CARRYING CHARGE FACTOR</u>			
4 Investment Return and Income Taxes		7,734	L1 x 8%
5 Depreciation Expense		0	
6 Amortization of Loss on Reacquired Debt		0	
7 Investment Tax Credit		0	
8 Property Tax Expense		1,070	
9 Payroll Tax Expense		0	
10 Operation & Maintenance Expense		0	
11 Administrative & General Expense		0	
12 Total Expenses (Lines 4 thru 11)		<u>8,804</u>	
13 PTF Transmission Plant		<u>96,679</u>	L1
14 Carrying Charge Factor (Lines 12/13)		<u><u>9.11%</u></u>	

Forecast Items Detail

Fitch Substation

Regional Network Service
Annual Transmission Revenue Requirements
per Tariff Attachment F and ISO New England Inc. OATT

Shading denotes an input

Submitted on:	May 12, 2014
Revenue Requirements for (year):	2013
Rate Effective for the period:	June 1, 2014
Through:	May 31, 2015
Customer:	CMEEC
Customer's NABs Number:	51386
Name of Participant responsible for customer's billing:	CTMEEC
DUNs number of Participant responsible for customer's billing:	96-773-8696

	<u>Pre-97 Revenue Requirements</u>	<u>Post-97 Revenue Requirements</u>
Total of Attachment F - Sections A through I	<u>774</u> (a)	<u>0</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>77,384</u> (c)	<u>0</u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>78,158</u> (e)=(a)-(b)+(c)+	<u>0</u> (j)=(f)-(g)+(h)+(l)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)		<u>-</u> (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)		<u>-</u> (m)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		<u>78,158</u> (o) =(e)+(j)+(k)+(m)
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		<u>0</u> (h)
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		<u>78,158</u> (l)=(o)+(b)+(g)-(h)

Shading denotes an input

		Attachment F		
Line No.		Reference	Pre 97	Reference
	I. INVESTMENT BASE	<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	0	Worksheet 3, Line 1, 1a, 1b
2	General Plant	(A)(1)(b)	0	Worksheet 3, Line 2
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, Line 4
4	Total Plant (Lines 1+2+3)		0	
5	Accumulated Depreciation	(A)(1)(d)	0	Worksheet 3, Line 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, Line 8
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, Line 10
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, Line 13
9	Net Investment (Line 4-5-6+7+8)		0	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, Line 15
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, Line 16
12	Cash Working Capital	(A)(1)(j)	9,673	Worksheet 3, Line 22
13	Total Investment Base (Line 9+10+11+12)		9,673	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	774	Worksheet 2, IRIT
15	Depreciation Expense	(B)	0	Worksheet 4, Line 3
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, Line 4
17	Investment Tax Credit	(D)	0	Worksheet 4, Line 5
18	Property Tax Expense	(E)	0	Worksheet 4, Line 8
19	Payroll Tax Expense	(F)	0	Worksheet 4, Line 23
20	Operation & Maintenance Expense	(G)	0	Worksheet 4, Line 13
21	Administrative & General Expense	(H)	0	Worksheet 4, Line 22
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7, Col B
23	Transmission Support Revenue	(J)	0	Worksheet 7, Col B
24	Transmission Support Expense	(K)	77,384	Worksheet 7, Total
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7, Col B
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		78,158	

Shading denotes an input

PRE 1997

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 0	#DIV/0!	0.00%	#DIV/0!	#DIV/0!
PREFERRED STOCK	0	#DIV/0!	0.00%	#DIV/0!	#DIV/0!
COMMON EQUITY	0	#DIV/0!	8.00%	#DIV/0!	#DIV/0!
TOTAL INVESTMENT RETURN	\$ 0	#DIV/0!		#DIV/0!	#DIV/0!

Cost of Capital Rate=

(a) Weighted Cost of Capital = #DIV/0!

PTF Inv.

(PTF)

INVESTMENT BASE	\$ 9,673	From Worksheet 1, Line 13
x Cost of Capital Rate	8.00%	
= Investment Return and Income Taxes	<u>774</u>	To Worksheet 1, Line 14

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
<u>Transmission Plant</u>						
1	0		0	100.0000%	\$ -	
2	0	0.0000% (a)	0	100.0000%	0	
3			<u>0</u>		<u>0</u>	
4	0		0	100.0000%	<u>0</u>	
<u>Transmission Accumulated Depreciation</u>						
5	0		0	100.0000%	0	
6	0	0.0000% (a)	0	100.0000%	0	
7			<u>0</u>		<u>0</u>	
	0					
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	100.0000% (c)	0	100.0000%	0	
9	0	100.0000% (c)	0	100.0000%	0	
10			<u>0</u>		<u>0</u>	
11	0	100.0000% (c)	0	100.0000%	<u>0</u>	
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	100.0000%	0	
13	0	100.0000% (c)	0	100.0000%	0	
14	0	100.0000% (c)	0	100.0000%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	0	0.0000% (a)	0	100.0000%	<u>0</u>	
17	0	100.0000%	0	100.0000%	<u>0</u>	
<u>Cash Working Capital</u>						
19					0	
20					0	
21					77,384	
22					<u>77,384</u>	
23					0.125	
24					<u>9,673</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

Shading denotes an input

Line
No.

	<u>Pre 1997</u>	<u>Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>		
1 PTF Transmission Investment	\$ 1	Accounts 353--356 (non LNS portion)
2 Total Transmission Investment	1	Accounts 353--357
3 Percent Allocation (Line 1/Line 2)	<u>100.0000%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>		
4 Direct Transmission Wages and Salaries	0	used 1 to prevent division error in formula Worksheet 6 of 8
5 Affiliated Company Transmission Wages and Salaries	0	
6 Total Transmission Wages and Salaries (Line 4 + Line 5)	0	
7 Total Wages and Salaries	1	used 1 to prevent division error in formula
8 Administrative and General Wages and Salaries	0	none
9 Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 of 8
10 Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	1	
11 Percent Allocation (Line 6/Line 10)	<u>0.0000%</u>	
<u>Plant Allocation Factor</u>		
12 Total Transmission Investment	1	Line 2
13 plus Transmission-Related General Plant (Line 2 of Wkst. 3)	0	Worksheet 3, Line 2
14 = Revised Numerator (Line 12 + Line 13)	1	
15 Total Plant in Service	1	
16 Percent Allocation (Line 14 / Line 15)	<u>100.0000%</u>	

Affiliated Company Wages and Salaries

 Shading denotes an input

Line		Pre 1997
"Affiliated" Transmission Wages and Salaries #560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10 Total Transmission		0
12 = Total "Affiliated" Wages and Salaries		0
Less "Affiliated" Administrative and General Salaries #920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21 Total "Affiliated" less A&G		0

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA			4,031
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission			
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			21,947
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation			
	HQ Phase II - AC in MA			51,406
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line			
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			
	Fairmont 115 kV Substation			
	345 kV Millstone-Manchester 310 line			
	UI Substations			
	Black Pond			
Total =			0	77,384

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Regional Network Service
Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO New England Inc. Open Access Transmission Tariff

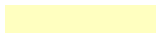
Shading denotes an input

Submitted on:	May 12, 2014
Revenue Requirements based on Year Ending:	June 30, 2013
Rate Effective for the period:	June 1, 2014
Through:	May 31, 2015
Customer:	Bozrah Light and Power
Customer's NABs Number:	51386
Name of Participant responsible for customer's billing:	CTMEEC
DUNs number of Participant responsible for customer's billing:	96-773-8696

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	<u>0</u> (a)	<u>142,584</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u>0</u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>0</u> (e)=(a)-(b)+(c)+(d)	<u>142,584</u> (j)=(f)-(g)+(h)+(i)
Forecasted Transmisison Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>0</u>	<u>-</u> (k)
Annual True-up (per attachment C to Attachemnet F Implementation	<u>0</u>	<u>1,215</u> (l)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		<u>143,799</u> (m) = (e)+(j)+(k)+(l)
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		<u>0</u> =(b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		<u>0</u> =(g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		<u>0</u> =(h)
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		<u>143,799</u> =(m)

Shading denotes an input

Line No.		Attachment F Reference	Post 1996	Reference
	I. INVESTMENT BASE			
		<i>Section:</i>		
1	PTF Transmission Plant	(A)(1)(a)	1,050,588	Worksheet 3, L10
2	General Plant	(A)(1)(b)	0	Worksheet 3, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, L14
4	Total Plant (Lines 1+2+3)		1,050,588	
5	Accumulated Depreciation	(A)(1)(d)	70,040	Worksheet 3, L19
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, L24
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, L26
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, L32
9	Net Investment (Line 4-5-6+7+8)		980,548	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, L34
11	Materials & Supplies	(A)(1)(i)	6,294	Worksheet 3, L36
12	Cash Working Capital	(A)(1)(j)	129	Worksheet 3, 44
13	Total Investment Base (Line 9+10+11+12)		986,971	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	78,958	Worksheet 2, E56
15	Depreciation Expense	(B)	35,020	Worksheet 4, L12
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, L14
17	Investment Tax Credit	(D)	0	Worksheet 4, L16
18	Property Tax Expense	(E)	27,578	Worksheet 4, L21
19	Payroll Tax Expense	(F)	0	Worksheet 4, L21
20	Operation & Maintenance Expense	(G)	0	Worksheet 4, L29
21	Administrative & General Expense	(H)	1,028	Worksheet 4, L22
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7, E51
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		142,584	

 Shading denotes an input

	<u>CAPITALIZATION 2013</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 0	0.00%	0.00%	0.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	<u>7,060,658</u>	100.00%	<u>8.00%</u>	<u>8.00%</u>	<u>8.00%</u>
TOTAL INVESTMENT RETURN	<u>\$ 7,060,658</u>	<u>100.00%</u>		<u>8.00%</u>	<u>8.00%</u>

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 986,971	From Worksheet 1
x Cost of Capital Rate	8.00%	
= Investment Return and Income Taxes	<u>78,958</u>	To Worksheet 1

Bozrah Light and Power

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
<u>Transmission Plant</u>						
1	1,266,568		1,266,568		1,050,588	from excel worksheet - B Roche
2	1,197,386	0.0000% (a)	0	82.9476%	0	DPUC Report-Page 502 L12
3			<u>1,266,568</u>		<u>1,050,588</u>	
4	0		0	82.9476%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	84,438		84,438	82.9476%	70,040	
6	550,605	0.0000% (a)	0	82.9476%	0	
7			<u>84,438</u>		<u>70,040</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	7.9906% (c)	0	82.9476%	0	Not applicable.
9	0	7.9906% (c)	0	82.9476%	0	Not applicable.
10	0		<u>0</u>		<u>0</u>	
11	0	7.9906% (c)	0	82.9476%	0	Not applicable.
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	82.9476%	0	Not applicable.
13	0	7.9906% (c)	0	82.9476%	0	Not applicable.
14	0	7.9906% (c)	0	82.9476%	0	Not applicable.
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	0	0.0000% (a)	0	82.9476%	0	Assumed none
17	94,964	7.9906%	7,588	82.9476%	<u>6,294</u>	DPUC report-Page 200 L25
<u>Cash Working Capital</u>						
19					0	Worksheet 1, Line 20
20					1,028	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					<u>1,028</u>	
23					0.125	x 45 / 360
24					<u>129</u>	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
Depreciation Expense						
1	42,219		42,219	82.9476%	35,020	30 year life
2	116,653	0.0000% (a)	0	82.9476%	0	DPUC Report Page 200
3			42,219		35,020	
4	0	7.9906% (c)	0	82.9476%	0	None known
5	0	7.9906% (c)	0	82.9476%	0	None known
Property Taxes *						
6	33,247		33,247	82.9476%	27,578	See below
7	408,742	0.0000% (a)	0	82.9476%	0	See below
8			33,247		27,578	
Transmission Operation and Maintenance						
9	0		0	82.9476%	0	DPUC Report-Page 518 L47
10	0		0	82.9476%	0	
11	0		0	82.9476%	0	
12	0		0	82.9476%	0	DPUC Report-Page 518 L37
13	0		0	82.9476%	0	
Transmission Administrative and General						
14	408,175					DPUC Report-Page 520 L15
15	3,582					DPUC Report-Page 520 L7
16	2,505					DPUC Report-Page 520 L11
17	9,432					DPUC Report-Page 520 L13
18	392,656	0.0000% (a)	0	82.9476%	0	
19	3,582	7.9906% (c)	286	82.9476%	237	
20	2,505	7.9906% (c)	200	82.9476%	166	
21	9,432	7.9906% (c)	754	82.9476%	625	
22	408,175		1,240		1,028	
23	20,832	0.0000% (a)	0	82.9476%	0	Footnote (d)
(a) Worksheet 5 of 8, line 11						
(b) Worksheet 5 of 8, line 3						
(c) Worksheet 5 of 8, line 16						
(d) Payroll taxes						
	0					assumed none for simplicity
Federal Unemployment	20,832					DPUC Report Page 219 L3
FICA	0					assumed none for simplicity
Medicare	0					assumed none for simplicity
CT Unemployment	0					assumed none for simplicity
MA Unemployment	0					assumed none for simplicity
MA Universal Health	0					assumed none for simplicity
VT Unemployment	0					assumed none for simplicity
NH Unemployment	0					assumed none for simplicity
Total	20,832					To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Total Plant in Service as of 12/31/yyyy	15,850,650	DPUC Report Page 502 Line18
Less Furniture & Fixtures	279,539	DPUC Report Page 502 Line4
Net Taxable Plant	15,571,111	
Applicable Mill Rate	26.25	from Town Website
	408,742	To Line 7above
Total Transmission Plant in Service 6/30/13	1,266,568	worksheet 3 L10
Applicable Mill Rate	26.25	
	33,247	To Line 6 above

Shading denotes an input

Line
No.

	<u>Post 1996</u>	<u>Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>		
1	1,050,588	from excel worksheet - B Roche
2	1,266,568	DPUC Report-Page 501 L22
3	<u>82.9476%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>		
4	0	DPUC Report-Page 507 L22
5	0	Worksheet 6 of 8
6	0	
7	851,651	DPUC Report-Page 507 L44
8	79,197	DPUC Report-Page 507 L27
9	0	Worksheet 6 of 8
10	<u>772,454</u>	
11	<u>0.0000%</u>	
<u>Plant Allocation Factor</u>		
12	1,266,568	Line 2
13	0	Worksheet 3, Line 2
14	<u>1,266,568</u>	
15	15,850,650	DPUC Report-Page 502 L18
16	<u>7.9906%</u>	

Affiliated Company Wages and Salaries

Shading denotes an input

Line		Post 1996
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 = Total "Affiliated" Wages and Salaries		0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21 Total "Affiliated" less A&G		0

Bozrah Light and Power

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Bozrah Light & Power
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2013

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)		141,405	\$ 141,405	ATRR - Prior Year
2	True-up 2013 Actual Annual RR		142,584	\$ 142,584	PTF Pre & Post on ATRR
3	True-up Surcharge / (Refund) (Line 2 - 1)	-	1,179	\$ 1,179	

	Under/(Over) Collected
Pre 1997	\$ -
Post 1996	\$ 1,179

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2013	\$ -	\$ 1,179	0.27%	\$ -	\$ 3
July 2013	\$ -	\$ 1,182	0.28%	\$ -	\$ 3
August 2013	\$ -	\$ 1,182	0.28%	\$ -	\$ 3
September 2013	\$ -	\$ 1,182	0.27%	\$ -	\$ 3
October 2013	\$ -	\$ 1,191	0.28%	\$ -	\$ 3
November 2013	\$ -	\$ 1,191	0.27%	\$ -	\$ 3
December 2013	\$ -	\$ 1,191	0.28%	\$ -	\$ 3
January 2014	\$ -	\$ 1,200	0.28%	\$ -	\$ 3
February 2014	\$ -	\$ 1,200	0.25%	\$ -	\$ 3
March 2014	\$ -	\$ 1,200	0.28%	\$ -	\$ 3
April 2014	\$ -	\$ 1,209	0.27%	\$ -	\$ 3
May 2014	\$ -	\$ 1,209	0.28%	\$ -	\$ 3
Total Surcharge/ (Refund)				\$ -	\$ 1,215


	Interest	Principal	Total
Pre 1997	\$ -	\$ -	\$ -
Post 1996	\$ 36	\$ 1,179	\$ 1,215
	\$ 36	\$ 1,179	\$ 1,215

Regional Network Service
Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO New England Inc. Open Access Transmission Tariff

Shading denotes an input

Submitted on:	<u>May 12, 2014</u>
Revenue Requirements based on Year Ending:	<u>June 30, 2013</u>
Rate Effective for the period:	<u>June 1, 2014</u>
Through:	<u>May 31, 2015</u>
Customer:	<u>City of Groton, Dept. of Utilities</u>
Customer's NABs Number:	<u>51386</u>
Name of Participant responsible for customer's billing:	<u>CTMEEC</u>
DUNs number of Participant responsible for customer's billing:	<u>96-773-8696</u>

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>-</u> (a)	<u>219,787</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>-</u> (b)	<u>-</u> (g)
Total of Attachment F - Section K - Support Expense	<u>-</u> (c)	<u>-</u> (h)
Total of Attachment F - Section (L through O)	<u>-</u> (d)	<u>-</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>-</u> (e)=(a)-(b)+(c)+(d)	<u>219,787</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>-</u>	<u>-</u> (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>-</u>	<u>(\$23,717)</u> (m)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		<u>196,070</u> (l) = (j)+(k)+(m)
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		<u>0</u> (h)
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		<u>196,070</u> (l)=(o)+(b)+(g)-(h)

 Shading denotes an input

Line No.		Attachment F Reference	Post 1996	Reference
I. INVESTMENT BASE				
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	2,515,513	Worksheet 3, L10
2	General Plant	(A)(1)(b)	47,420	Worksheet 3, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, L14
4	Total Plant (Lines 1+2+3)		2,562,933	
5	Accumulated Depreciation	(A)(1)(d)	2,344,195	Worksheet 3, L19
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, L24
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, L26
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, L32
9	Net Investment (Line 4-5-6+7+8)		218,738	
10	Prepayments	(A)(1)(h)	77	Worksheet 3, L34
11	Materials & Supplies	(A)(1)(i)	63,055	Worksheet 3, L36
12	Cash Working Capital	(A)(1)(j)	6,614	Worksheet 3, 44
13	Total Investment Base (Line 9+10+11+12)		288,484	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	23,079	Worksheet 2, E56
15	Depreciation Expense	(B)	69,179	Worksheet 4, L3
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, L4
17	Investment Tax Credit	(D)	0	Worksheet 4, L5
18	Property Tax Expense	(E)	72,641	Worksheet 4, L8
19	Payroll Tax Expense	(F)	1,978	Worksheet 4, L23
20	Operation & Maintenance Expense	(G)	17,835	Worksheet 4, L13
21	Administrative & General Expense	(H)	35,075	Worksheet 4, L22
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7, E51
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		219,787	

Shading denotes an input

	<u>CAPITALIZATION</u> <u>6/30/2012</u>		<u>CAPITALIZATION</u> <u>RATIOS</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>EQUITY</u> <u>PORTION</u>
LONG-TERM DEBT	\$ 0		0.00%	0.00%	0.00%	
PREFERRED STOCK	0		0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	<u>(10,951,157)</u>	DPUC Rpt. P. 202	100.00%	8.00%	8.00%	<u>8.00%</u>
TOTAL INVESTMENT RETURN	<u>\$ (10,951,157)</u>		<u>100.00%</u>		<u>8.00%</u>	<u>8.00%</u>

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 288,484	From Worksheet 1
x Cost of Capital Rate	8.00%	Per 2002 NEPOOL Interpretive Guidance Document (part of MUNI RNS audit total investment return should = 8%)
= Investment Return and Income Taxes	<u>23,079</u>	To Worksheet 1

City of Groton, Dept. of Utilities

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
<u>Transmission Plant</u>						
1	8,009,529		8,009,529		\$ 2,515,513	
2	8,614,646	1.7527% (a)	150,989	31.4065%	47,420	DPUC Report-Page 502 L12
3			<u>8,160,518</u>		<u>2,562,933</u>	
4	0		0	31.4065%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	7,326,330		7,326,330	31.4065%	2,300,944	see depreciation tab
6	7,857,197	1.7527% (a)	137,713	31.4065%	43,251	see depreciation tab
7			<u>7,464,043</u>		<u>2,344,195</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	12.2074% (c)	0	31.4065%	0	None known
9	0	12.2074% (c)	0	31.4065%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	12.2074% (c)	0	31.4065%	0	None known
<u>Other Regulatory Assets</u>						
12	0	1.7527% (a)	0	31.4065%	0	None known
13	0	12.2074% (c)	0	31.4065%	0	None known
14	0	12.2074% (c)	0	31.4065%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	14,055	1.7527% (a)	246	31.4065%	77	DPUC Report-Page 210 L14
17	1,644,654	12.2074%	200,769	31.4065%	63,055	DPUC report-Page 200 L25
<u>Cash Working Capital</u>						
18					17,835	Worksheet 1, Line 20
19					35,075	Worksheet 1, Line 21
20					0	Worksheet 1, Line 24
21					52,910	
22					<u>0.125</u>	x 45 / 360
23					<u>6,614</u>	
24						

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

City of Groton, Dept. of Utilities

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
Depreciation Expense						
1	195,144		195,144	31.4065%	61,288	see below
2	1,433,561	1.7527% (a)	25,126	31.4065%	7,891	see below
3	1,628,705		220,270		69,179	
4	0	12.2074% (c)	0	31.4065%	0	None known
5	0	12.2074% (c)	0	31.4065%	0	None known
Property Taxes *						
6	202,761		202,761	31.4065%	63,680	See below
7	1,627,917	1.7527% (a)	28,533	31.4065%	8,961	See below
8			231,294		72,641	
Transmission Operation and Maintenance						
9	56,789		56,789	31.4065%	17,835	DPUC Report-Page 518 L47
10	0		0	31.4065%	0	
11	0		0	31.4065%	0	
12	0		0	31.4065%	0	
13	56,789		56,789	31.4065%	17,835	
Transmission Administrative and General						
14	5,825,937					DPUC Report-Page 520 L 18
15	79,894					DPUC Report-Page 520 L 7
16	11,641					DPUC Report-Page 520 L11
17	0					assumed none
18	5,734,402	1.7527% (a)	100,507	31.4065%	31,566	
19	79,894	12.2074% (c)	9,753	31.4065%	3,063	
20	11,641	12.2074% (c)	1,421	31.4065%	446	
21	0	12.2074% (c)	0	31.4065%	0	
22	5,825,937		111,681		35,075	
23	359,328	1.7527% (a)	6,298	31.4065%	1,978	Footnote (d)

(a) Worksheet 5 of 8, line 11 (Transmission Wage & Salary Allocator)

(b) Worksheet 5 of 8, line 3 (PTF Allocator)

(c) Worksheet 5 of 8, line 16 (Plant allocator)

(d) Payroll taxes

Federal Unemployment	0	assumed none for simplicity
FICA	359,328	DPUC Report Page 219 L3
Medicare	0	assumed none for simplicity
CT Unemployment	0	assumed none for simplicity
MA Unemployment	0	assumed none for simplicity
MA Universal Health	0	assumed none for simplicity
VT Unemployment	0	assumed none for simplicity
NH Unemployment	0	assumed none for simplicity
Total	359,328	To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

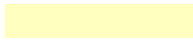
Total Transmission Plant in Service 6/30/13	8,009,529	worksheet 3 L10
Applicable Mill Rate	25.315	
	202,761	To Line 6 above
Total Electric Plant in Service as of 6/30/12	66,848,893	DPUC Report Page 502 Line18
Less Furniture & Fixtures	2,542,475	DPUC Report Page 502 Line4
Net Taxable Plant	64,306,418	
Applicable Mill Rate	25.315	
	1,627,917	To Line 7 above

E. Transmission Related Municipal Tax Expense shall equal the PTO's total electric municipal tax expense multiplied by the Plant Allocation Factor, and further multiplied by the PTF/HTF Transmission Plant Allocation Factor.

Shading denotes an input

Line No.		<u>Post 1996</u>	<u>Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	\$ 2,515,513	From Auditor's tab
2	Total Transmission Investment	8,009,529	DPUC Report-Page 501 L22
3	Percent Allocation (Line 1/Line 2)	<u>31.4065%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	35,549	DPUC Report-Page 507 L22
5	Affiliated Company Transmission Wages and Salaries	<u>0</u>	Worksheet 6 of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	35,549	
7	Total Wages and Salaries	3,453,078	DPUC Report-Page 507 L28
8	Administrative and General Wages and Salaries	1,424,827	DPUC Report-Page 507 L27
9	Affiliated Company Wages and Salaries less A&G	<u>0</u>	Worksheet 6 of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	2,028,251	
11	Percent Allocation (Line 6/Line 10)	<u>1.7527%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	8,009,529	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	<u>150,989</u>	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	8,160,518	
15	Total Plant in Service	66,848,893	DPUC Report-Page 502 L18
16	Percent Allocation (Line 14 / Line 15)	<u>12.2074%</u>	

Affiliated Company Wages and Salaries

 Shading denotes an input

Line		Post 1996
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 =	Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

City of Groton, Dept. of Utilities
FERC Interest Calculation associated with Under / (Over) Collection
True Up and Interest Calculation for 2013

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)	0	242,739	\$ 242,739	ATRR - Prior Year
2	True-up 2013 Actual Annual Revenue Req.	0	219,787	\$ 219,787	
3	True-up Surcharge / (Refund) (Line 2 - 1)	\$0	(\$22,952)	(\$22,952)	

	Undercollected/(Overcollected)
Pre 1997	\$0.00
Post 1996	(\$22,952)

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2013	\$0	(\$22,952)	0.27%	\$0	(\$62)
July 2013	\$0	(\$23,014)	0.28%	\$0	(\$64)
August 2013	\$0	(\$23,014)	0.28%	\$0	(\$64)
September 2013	\$0	(\$23,014)	0.27%	\$0	(\$62)
October 2013	\$0	(\$23,204)	0.28%	\$0	(\$65)
November 2013	\$0	(\$23,204)	0.27%	\$0	(\$63)
December 2013	\$0	(\$23,204)	0.28%	\$0	(\$65)
January 2014	\$0	(\$23,397)	0.28%	\$0	(\$66)
February 2014	\$0	(\$23,397)	0.25%	\$0	(\$58)
March 2014	\$0	(\$23,397)	0.28%	\$0	(\$66)
April 2014	\$0	(\$23,587)	0.27%	\$0	(\$64)
May 2014	\$0	(\$23,587)	0.28%	\$0	(\$66)

Total Undercollected/(Overcollected) \$0 (\$23,717)

	Interest	Principal	Total
Pre 1997	\$0	\$0	\$0
Post 1996	(\$765)	(\$22,952)	(\$23,717)
	<u>(\$765)</u>	<u>(\$22,952)</u>	<u>(\$23,717)</u>

Regional Network Service
Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO New England Inc. Open Access Transmission Tariff

Shading denotes an input

Submitted on:	May 12, 2014
Revenue Requirements for (year):	Year 2013
Rate Effective for the period:	June 1, 2014
Through:	May 31, 2015
Customer:	Mohegan Tribal Utility Authority
Customer's NABs Number:	51386
Name of Participant responsible for customer's billing:	CTMEEC
DUNs number of Participant responsible for customer's billing:	96-773-8696

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I	0 (a)	\$ 390,271 (f)
Total of Attachment F - Section J - Support Revenue	0 (b)	0 (g)
Total of Attachment F - Section K - Support Expense	0 (c)	0 (h)
Total of Attachment F - Section (L through O)	0 (d)	0 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	0 (e)=(a)-(b)+(c)+(d)	\$ 390,271 (j)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		\$ 390,271 (k) = (e) + (j)
Annual True-up (per attachment C to Attachment F Implementation)		\$ 80,896
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		0 (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		0 (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		0 (h)
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		\$ 471,167 (l)=(k)+(b)+(g)-(h)

Shading denotes an input

Line No.		Attachment F Reference	Post 1996	Reference
	I. INVESTMENT BASE			
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	\$3,452,719	Worksheet 3, Line 1
2	General Plant	(A)(1)(b)	\$0	Worksheet 3, Line 2
3	Plant Held For Future Use	(A)(1)(c)	\$0	Worksheet 3, Line 4
4	Total Plant (Lines 1 + 2 + 3)		\$3,452,719	
5	Accumulated Depreciation	(A)(1)(d)	\$1,657,306	Worksheet 3, Line 7
6	Accumulated Deferred Income Taxes	(A)(1)(e)	\$0	Worksheet 3, Line 10
7	Loss On Reacquired Debt	(A)(1)(f)	\$0	Worksheet 3, Line 11
8	Other Regulatory Assets	(A)(1)(g)	\$0	Worksheet 3, Line 15
9	Net Investment (Line 4 - 5 - 6 + 7 + 8)		\$1,795,413	
10	Prepayments	(A)(1)(h)	\$0	Worksheet 3, Line 16
11	Materials & Supplies	(A)(1)(i)	\$0	Worksheet 3, Line 17
12	Cash Working Capital	(A)(1)(j)	\$3,604	Worksheet 3, Line 24
13	Total Investment Base (Line 9 + 10 + 11 + 12)		\$1,799,017	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	\$143,921	Worksheet 2
15	Depreciation Expense	(B)	\$138,109	Worksheet 4, Line 3
16	Amortization of Loss on Reacquired Debt	(C)	\$0	Worksheet 4, Line 4
17	Investment Tax Credit	(D)	\$0	Worksheet 4, Line 5
18	Property Tax Expense	(E)	\$79,413	Worksheet 4, Line 8
19	Payroll Tax Expense	(F)	\$0	Worksheet 4, Line 23
20	Operation & Maintenance Expense	(G)	\$28,828	Worksheet 4, Line 13
21	Administrative & General Expense	(H)	\$0	Worksheet 4, Line 22
22	Transmission Related Integrated Facilities Charge	(I)	\$0	Worksheet 7
23	Transmission Support Revenue	(J)	\$0	Worksheet 7
24	Transmission Support Expense	(K)	\$0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	\$0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	\$0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	\$0	
28	Transmission Rents Received from Electric Property	(O)	\$0	
29	Total Revenue Requirements (Line 14 thru 28)		\$390,271	

Shading denotes an input

	CAPITALIZATION 2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 0	0.00%	0.00%	0.00%	0.00%
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	6,000,000	100.00%	8.00%	8.00%	8.00%
TOTAL INVESTMENT RETURN	0 6,000,000	100.00%		8.00%	8.00%

<u>(PTF)</u>		
INVESTMENT BASE	\$ 1,799,017	From Worksheet 1
x Cost of Capital Rate	8.00%	Per 2002 NEPOOL Interpretive Guidance Document (part of Muni RNS audit total investment return should = 8%)
= Investment Return and Income Taxes	<u>143,921</u>	To Worksheet 1

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
<u>Transmission Plant</u>						
1	\$ 6,059,395		6,059,395	44.1505%	3,452,719	See Inventory Tab
2		100.0000% (a)	0	56.9813%	0	
3			<u>6,059,395</u>		<u>3,452,719</u>	
<u>Transmission Plant Held for Future Use</u>						
4	0		0	56.9813%	0	
<u>Transmission Accumulated Depreciation</u>						
5	2,908,509		2,908,509	56.9813%	1,657,306	
6	0	100.0000% (a)	0	56.9813%	0	
7			<u>2,908,509</u>		<u>1,657,306</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	100.0000% (c)	0	56.9813%	0	not applicable
9	0	100.0000% (c)	0	56.9813%	0	not applicable
10			<u>0</u>		<u>0</u>	
<u>Transmission loss on Reacquired Debt</u>						
11	0	100.0000% (c)	0	56.9813%	0	not applicable
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a)	0	56.9813%	0	not applicable
13	0	100.0000% (c)	0	56.9813%	0	not applicable
14	0	100.0000% (c)	0	56.9813%	0	not applicable
15	<u>0</u>		<u>0</u>		<u>0</u>	
<u>Transmission Prepayments</u>						
16	0	100.0000% (a)	0	56.9813%	0	information not available
<u>Transmission Materials and Supplies</u>						
17	0	100.0000%	0	56.9813%	0	information not available
<u>Cash Working Capital</u>						
19					28,828	Worksheet 4, Line 13
20					0	Worksheet 4, Line 22
21					0	Worksheet 1, Line 24
22					<u>28,828</u>	
23					<u>0.125</u>	x 45 days / 360
24					<u>3,604</u>	

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
<u>Depreciation Expense</u>						
1	242,376		242,376	56.9813%	138,109	25 year depreciation
2		100.0000% (a)	0	56.9813%	0	
3			242,376		138,109	
4	0	100.0000% (c)	0	56.9813%	0	not applicable
5	0	100.0000% (c)	0	56.9813%	0	not applicable
<u>Property Taxes *</u>						
6	139,366	100.0000%	139,366	56.9813%	79,413	See Below
7	0	100.0000% (a)	0	56.9813%	0	information not available
8			139,366		79,413	
<u>Transmission Operation and Maintenance</u>						
9	50,592		50,592	56.9813%	28,828	MTUA
10	0		0	56.9813%	0	information not available
11	0		0	56.9813%	0	information not available
12	0		0	56.9813%	0	information not available
13	50,592		50,592	56.9813%	28,828	
<u>Transmission Administrative and General</u>						
14	0					information not available
15	0					information not available
16	0					information not available
17	0					information not available
18	0	100.0000% (a)	0	56.9813%	0	
19	0	100.0000% (c)	0	56.9813%	0	
20	0	100.0000% (c)	0	56.9813%	0	not applicable
21	0	100.0000% (c)	0	56.9813%	0	not applicable
22	0		0		0	
<u>Payroll Tax Expense</u>						
	0	100.0000% (a)	0	56.9813%	0	information not available
	0	100.0000% (a)	0	56.9813%	0	information not available
	0	100.0000% (a)	0	56.9813%	0	information not available
	0	100.0000% (a)	0	56.9813%	0	information not available
23	0	100.0000% (a)	0	56.9813%	0	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.


Total Plant in Service as of 12/31/2010	6,059,395	
Less Furniture & Fixtures	0	
Net Taxable Plant	6,059,395	
Applicable Mill Rate	23.00	
	139,366	To cell d6 above

Shading denotes an input

Line
No.

<u>PTF Transmission Plant Allocation Factor</u>		<u>Post 1996</u>	<u>Reference</u>
1	PTF Transmission Investment	\$3,452,719	See Inventory Tab
2	Total Transmission Investment	\$6,059,395	See Inventory Tab
3	Percent Allocation (Line 1/Line 2)	<u>56.9813%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	\$11,246	MTUA
5	Affiliated Company Transmission Wages and Salaries	\$0	Worksheet 6
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	<u>\$11,246</u>	
7	Total Wages and Salaries	\$11,246	
8	Administrative and General Wages and Salaries	\$0	Information not available
9	Affiliated Company Wages and Salaries less A&G	\$0	Information not available
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	<u>\$11,246</u>	
11	Percent Allocation (Line 6/Line 10)	<u>100.0000%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	\$6,059,395	L2 from above
13	plus Transmission-Related General Plant	\$0	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	<u>\$6,059,395</u>	
15	Total Plant in Service	\$6,059,395	L2 from above
16	Percent Allocation (Line 14 / Line 15)	<u>100.0000%</u>	

Affiliated Company Wages and Salaries

 Shading denotes an input

Line		Post 1996
"Affiliated" Transmission Wages and Salaries #560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 = Total "Affiliated" Wages and Salaries		0
Less "Affiliated" Administrative and General Salaries #920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line		0	
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
345 kV Jordan Rd - Canal 342 line				
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		0
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Mohegan Tribal Utility Authority
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2013

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)		311,984	\$ 311,984	ATRR - Prior Year
2	True-up 2013 Actual Annual RR		390,271	\$ 390,271	PTF Pre & Post on ATRR
3	True-up Surcharge / (Refund) (Line 2 - 1)	-	78,287	\$ 78,287	

	Under/(Over) Collected
Pre 1997	\$ -
Post 1996	\$ 78,287

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2013	\$ -	\$ 78,287	0.27%	\$ -	\$ 211
July 2013	\$ -	\$ 78,498	0.28%	\$ -	\$ 220
August 2013	\$ -	\$ 78,498	0.28%	\$ -	\$ 220
September 2013	\$ -	\$ 78,498	0.27%	\$ -	\$ 212
October 2013	\$ -	\$ 79,150	0.28%	\$ -	\$ 222
November 2013	\$ -	\$ 79,150	0.27%	\$ -	\$ 214
December 2013	\$ -	\$ 79,150	0.28%	\$ -	\$ 222
January 2014	\$ -	\$ 79,808	0.28%	\$ -	\$ 223
February 2014	\$ -	\$ 79,808	0.25%	\$ -	\$ 200
March 2014	\$ -	\$ 79,808	0.28%	\$ -	\$ 223
April 2014	\$ -	\$ 80,454	0.27%	\$ -	\$ 217
May 2014	\$ -	\$ 80,454	0.28%	\$ -	\$ 225
Total Surcharge/ (Refund)				\$ -	\$ 80,896

	Interest	Principal	Total
Pre 1997	\$ -	\$ -	\$ -
Post 1996	\$ 2,609	\$ 78,287	\$ 80,896
	\$ 2,609	\$ 78,287	\$ 80,896

Regional Network Service
Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO New England Inc. Open Access Transmission Tariff

Shading denotes an input

Submitted on:	<u>May 12, 2014</u>
Revenue Requirements for (year):	<u>Year 2013</u>
Rate Effective for the period:	<u>June 1, 2014</u>
Through:	<u>May 31, 2015</u>
Customer:	<u>Norwich Public Utilities</u>
Customer's NABs Number:	<u>51386</u>
Name of Participant responsible for customer's billing:	<u>CTMEEC</u>
DUNs number of Participant responsible for customer's billing:	<u>96-773-8696</u>

		<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	=	<u>229,785</u> (a)	<u>0</u> (f)
Total of Attachment F - Section J - Support Revenue		<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense		<u>0</u> (c)	<u>0</u> (h)
Total of Attachment F - Section (L through O)		<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>229,785</u> (e)=(a)-(b)+(c)+(d)	<u>0</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)		<u>0</u>	<u>-</u> (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule) \$		<u>35,804</u>	<u>0</u> (m)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 265,589 (k) - (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u> (h)

Voting Share Total for Participant's R Value: 265,589 (l)=(k)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Shading denotes an input

		Attachment F		
Line No.		Reference	Pre 1997	Reference
I. INVESTMENT BASE				
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	\$725,500	Worksheet 3, Line 1
2	General Plant	(A)(1)(b)	\$143,025	Worksheet 3, Line 2
3	Plant Held For Future Use	(A)(1)(c)	\$0	Worksheet 3, Line 4
4	Total Plant (Lines 1 + 2 + 3)		\$868,525	
5	Accumulated Depreciation	(A)(1)(d)	\$694,479	Worksheet 3, Line 7
6	Accumulated Deferred Income Taxes	(A)(1)(e)	\$0	Worksheet 3, Line 10
7	Loss On Reacquired Debt	(A)(1)(f)	\$0	Worksheet 3, Line 11
8	Other Regulatory Assets	(A)(1)(g)	\$0	Worksheet 3, Line 15
9	Net Investment (Line 4 - 5 - 6 + 7 + 8)		\$174,046	
		16,477		
10	Prepayments	(A)(1)(h)	\$4,989	Worksheet 3, Line 16
11	Materials & Supplies	(A)(1)(i)	\$8,230	Worksheet 3, Line 17
12	Cash Working Capital	(A)(1)(j)	\$18,697	Worksheet 3, Line 24
13	Total Investment Base (Line 9 + 10 + 11 + 12)		\$205,962	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	\$16,477	Worksheet 2
15	Depreciation Expense	(B)	\$33,105	Worksheet 4, Line 3
16	Amortization of Loss on Reacquired Debt	(C)	\$0	Worksheet 4, Line 4
17	Investment Tax Credit	(D)	\$0	Worksheet 4, Line 5
18	Property Tax Expense	(E)	\$27,203	Worksheet 4, Line 8
19	Payroll Tax Expense	(F)	\$3,426	Worksheet 4, Line 23
20	Operation & Maintenance Expense	(G)	\$25,800	Worksheet 4, Line 13
21	Administrative & General Expense	(H)	\$123,774	Worksheet 4, Line 22
22	Transmission Related Integrated Facilities Charge	(I)	\$0	Worksheet 7
23	Transmission Support Revenue	(J)	\$0	Worksheet 7
24	Transmission Support Expense	(K)	\$0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	\$0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	\$0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	\$0	
28	Transmission Rents Received from Electric Property	(O)	\$0	
29	Total Revenue Requirements (Line 14 thru 28)		\$229,785	

Norwich Public Utilities
Annual Revenue Requirements
 for costs in 2013

Shading denotes an input

	CAPITALIZATION 2013		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 0		0.00%	0.00%	0.00%	0.00%
PREFERRED STOCK			0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	28,608,657	DPUC Rpt. P. 201, line 11	100.00%	8.00%	8.00%	8.00%
TOTAL INVESTMENT RETURN	\$ 28,608,657		100.00%		8.00%	8.00%

	(PTF)	
INVESTMENT BASE	\$ 205,962	From Worksheet 1
x Cost of Capital Rate	8.00%	Per 2002 NEPOOL Interpretive Guidance Document (part of Muni RNS audit total investment return should = 8%)
= Investment Return and Income Taxes	16,477	To Worksheet 1

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
Transmission Plant						
1	6,203,447		6,203,447		725,500	DPUC Annual Rpt. p. 500
2	17,660,979	6.9246% (a)	1,222,952	11.6951%	143,025	DPUC Annual Rpt. p. 501
3	<u>23,864,426</u>		<u>7,426,399</u>		<u>868,525</u>	
4	<u>0</u>		<u>0</u>	11.6951%	<u>0</u>	information not available
Transmission Accumulated Depreciation						
5	5,209,851		5,209,851	11.6951%	609,297	Per 06-30-2013 Electric Depreciation by Class
6	10,518,448	6.9246% (a)	728,360	11.6951%	85,182	Per 06-30-2013 Electric Depreciation by Class
7	<u>15,728,299</u>		<u>5,938,211</u>		<u>694,479</u>	
Transmission Accumulated Deferred Taxes						
8	0	11.0240% (c)	0	11.6951%	0	Not applicable.
9	0	11.0240% (c)	0	11.6951%	0	Not applicable.
10	<u>0</u>		<u>0</u>		<u>0</u>	
11	<u>0</u>	11.0240% (c)	<u>0</u>	11.6951%	<u>0</u>	Not applicable.
Other Regulatory Assets						
12	0	6.9246% (a)	0	11.6951%	0	Not applicable.
13	0	11.0240% (c)	0	11.6951%	0	Not applicable.
14	0	11.0240% (c)	0	11.6951%	0	Not applicable.
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	<u>615,995</u>	6.9246% (a)	<u>42,655</u>	11.6951%	<u>4,989</u>	DPUC Annual Rpt. p. 200, line 30
17	<u>638,321</u>	11.0240% (c)	<u>70,369</u>	11.6951%	<u>8,230</u>	DPUC Report page 200 Line 28
Cash Working Capital						
18					25,800	Worksheet 4, Line 13
19					123,774	Worksheet 4, Line 22
20					0	Worksheet 1, Line 24
21					149,574	
22					<u>0.125</u>	x 45 days / 360
23					<u>18,697</u>	
24					<u>18,697</u>	

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Reference
Depreciation Expense						
1	184,205		184,205	11.6951%	21,543	Per 06-30-2013 Electric Depreciation by Class
2	1,427,735	6.9246% (a)	98,865	11.6951%	11,562	Per 06-30-2013 Electric Depreciation by Class
3	1,611,940		283,070		33,105	
Amortization of Loss on Reacquired Debt						
4	0	11.0240% (c)	0	11.6951%	0	not applicable
Amortization of Investment Tax Credits						
5	0	11.0240% (c)	0	11.6951%	0	not applicable
Property Taxes *						
6	2,109,985	11.0240% (c)	232,605	11.6951%	27,203	See Below
7	0		0	11.6951%	0	
8	2,109,985		232,605		27,203	
Transmission Operation and Maintenance						
9	240,623		240,623	11.6951%	28,141	DPUC Annual Rpt. P. 518
10	0		0	11.6951%	0	Information not available.
11	0		0	11.6951%	0	DPUC Annual Rpt. P. 518, line 31
12	20,014		20,014	11.6951%	2,341	DPUC Annual Rpt. P. 518, line 32 & 37
13	220,609		240,623	11.6951%	25,800	
Transmission Administrative and General						
14	15,196,723					DPUC Annual Rpt. P. 520, line 19
15	147,025					DPUC Annual Rpt. P. 520, line 8
16	0					Not applicable.
17	0					Not applicable.
18	15,049,698	6.9246% (a)	1,042,131	11.6951%	121,878	
19	147,025	11.0240% (c)	16,208	11.6951%	1,896	
20	0	11.0240% (c)	0	11.6951%	0	Not applicable.
21	0	11.0240% (c)	0	11.6951%	0	Not applicable.
22	15,196,723		1,058,339		123,774	
Payroll Tax Expense						
	0	6.9246% (a)	0	11.6951%	0	information not available
	423,081	6.9246% (a)	29,297	11.6951%	3,426	Per 06-30-2013 - Modified TB by Fund
	0	6.9246% (a)	0	11.6951%	0	information not available
	0	6.9246% (a)	0	11.6951%	0	information not available
23	423,081	6.9246% (a)	29,297	11.6951%	3,426	

- (a) Worksheet 5 of 8, line 11
- (b) Worksheet 5 of 8, line 3
- (c) Worksheet 5 of 8, line 16


** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Total General Plant in Service as of 12/31/2013	67,366,010					Per 06-30-2013 Electric Depreciation by Class
Less Furniture & Fixtures	1,980,656					Per 06-30-2013 Electric Depreciation by Class

Shading denotes an input

Line No.		<u>Pre 1997</u>	<u>Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	\$725,500	Auditor's tab
2	Total Transmission Investment	\$6,203,447	DPUC Annual Rpt. P. 500
3	Percent Allocation (Line 1/Line 2)	<u>11.6951%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	\$187,761	0 DPUC Annual Rpt. P. 507, line 4 Worksheet 6
5	Affiliated Company Transmission Wages and Salaries	\$0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	<u>\$187,761</u>	
7	Total Wages and Salaries	\$5,635,394	DPUC Annual Rpt. P. 507, line 28
8	Administrative and General Wages and Salaries	\$2,923,864	DPUC Annual Rpt. P. 507, <u>line 27</u>
9	Affiliated Company Wages and Salaries less A&G	\$0	Worksheet 6
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	<u>\$2,711,530</u>	
11	Percent Allocation (Line 6/Line 10)	<u>6.9246%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	\$6,203,447	DPUC Annual Rpt. P. 500
13	plus Transmission-Related General Plant	<u>\$1,222,952</u>	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	\$7,426,399	
15	Total Plant in Service	\$67,366,010	DPUC Annual Rpt. P. 501
16	Percent Allocation (Line 14 / Line 15)	<u>11.0240%</u>	

Affiliated Company Wages and Salaries

 Shading denotes an input

Line		Pre 1997
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 = Total "Affiliated" Wages and Salaries		0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			0
345 kV Jordan Rd - Canal 342 line				
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		0
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Norwich Public Utilities
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2013

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)	\$ 195,136	-	\$ 195,136	ATRR - Prior Year
2	True-up 2013 Actual Annual RR	\$ 229,785	-	\$ 229,785	PTF Pre & Post on ATRR
3	True-up Surcharge / (Refund) (Line 2 - 1)	\$ 34,649	-	\$ 34,649	

	Undercollected / (Overcollected)
Pre 1997	\$ 34,649
Post 1996	\$ -

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2013	\$ 34,649	\$ -	0.27%	\$ 94	\$ -
July 2013	\$ 34,743	\$ -	0.28%	\$ 97	\$ -
August 2013	\$ 34,743	\$ -	0.28%	\$ 97	\$ -
September 2013	\$ 34,743	\$ -	0.27%	\$ 94	\$ -
October 2013	\$ 35,031	\$ -	0.28%	\$ 98	\$ -
November 2013	\$ 35,031	\$ -	0.27%	\$ 95	\$ -
December 2013	\$ 35,031	\$ -	0.28%	\$ 98	\$ -
January 2014	\$ 35,322	\$ -	0.28%	\$ 99	\$ -
February 2014	\$ 35,322	\$ -	0.25%	\$ 88	\$ -
March 2014	\$ 35,322	\$ -	0.28%	\$ 99	\$ -
April 2014	\$ 35,608	\$ -	0.27%	\$ 96	\$ -
May 2014	\$ 35,608	\$ -	0.28%	\$ 100	\$ -

Total Surcharge/ (Refund) \$ 35,804 \$ -

	Interest	Principal	Total
Pre 1997	\$ 1,155	\$ 34,649	\$ 35,804
Post 1996	\$ -	\$ -	\$ -
	\$ 1,155	\$ 34,649	\$ 35,804

CTMEEC
2013 PTF Activity

Owner	Beginning Balance 2013	Additions	Retirements	Adjustments and Transfers	Ending Balance 2013
Connecticut Transmission Municipal Electric Energy Cooperative (dba Transco)	\$ 51,339,736	\$ -	\$ -	\$ -	\$ 51,339,736
City of Norwalk, Third Taxing District	-	2,295,383	-	-	2,295,383
Bozrah Light and Power	1,050,588	-	-	-	1,050,588
Groton Utilities	2,515,513	-	-	-	2,515,513
Mohegan Tribal Utility Authority	2,694,352	-	-	758,367	3,452,719
Norwich Public Utilities	580,479	11,758	-	133,263	725,500
Total	\$ 58,180,668	\$ 2,307,141	\$ -	\$ 891,630	\$ 61,379,439

**ISO Tariff Billing
PTO Annual Transmission Revenue Requirements
per OATT Attachment F**

Shading denotes an input

Submitted on:	13 May 2014
Revenue Requirements for (year):	Calendar Year 2013
Customer:	Emera Maine (Bangor Hydro District Transmission)
Customer's NABs Number:	002
Name of Participant responsible for customer's billing:	Emera Maine (Bangor Hydro District Transmission)
DUNs number of Participant responsible for customer's billing:	006949002

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	\$792,365 ^(a)	\$50,327,030 ^(f)
Total of Attachment F - Section J - Support Revenue	\$0 ^(b)	\$0 ^(g)
Total of Attachment F - Section K - Support Expense	\$137,629 ^(c)	\$0 ^(h)
Total of Attachment F - Section (L through O)	(\$4,637) ^(d)	(\$288,244) ⁽ⁱ⁾
Sub Total - Sum (A through I) - J + K + (L through O)	\$925,357 ^{(e)=(a)-(b)+(c)+(d)}	\$50,038,786 ^(j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	NA	\$917,814 ^(k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	(\$11,871) ^(l)	(\$602,755) ^(m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	\$913,486 ^{(n)=(e)+(l)}	\$50,353,845 ^{(o)=(j)+(k)+(m)}
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest).		\$51,267,331 ^{(p) = (n) + (o)}

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
PRE-1997

Shading denotes an input

Line No.	I. INVESTMENT BASE	Attachment F Reference Section:	Total	Reference
1	Transmission Plant	(A)(1)(a)	5,355,168	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	80,658	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		5,435,826	
5	Accumulated Depreciation	(A)(1)(d)	(608,205)	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(969,036)	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	(58,069)	Worksheet 3, line 15 column 5
9	Net Investment (Line 4+5+6+7+8)		3,800,516	
10	Prepayments	(A)(1)(h)	2,779	Worksheet 3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	12,487	Worksheet 3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	22,939	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		3,838,721	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	589,985	Worksheet 2
15	Depreciation Expense	(B)	107,561	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	(329)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	47,448	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	1,819	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	25,216	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	20,665	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	137,629	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under ISO Tariff	(N)	(8,465)	from G/L
28	Transmission Rents Received from Electric Property	(O)	3,828	Exhibit: Transmission Rents
29	Total Revenue Requirements (Line 14 thru 28)		925,357	

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
POST-1996

Shading denotes an input

		Attachment F				
Line No.		Reference	Post-96 (less NRI)	NRI	Total	Reference
I. INVESTMENT BASE						
		<i>Section:</i>				
1	Transmission Plant	(A)(1)(a)	190,735,187	142,132,418	332,867,605	from GL, Worksheet 3 line 1
2	General Plant	(A)(1)(b)	5,013,692	n/a	5,013,692	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	n/a	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		195,748,879	142,132,418	337,881,297	
5	Accumulated Depreciation	(A)(1)(d)	(24,271,009)	(13,534,706)	(37,805,715)	from GL / Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(41,081,465)	(19,153,379)	(60,234,844)	from GL / Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	n/a	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	(3,609,565)	n/a	(3,609,565)	Worksheet 3, line 15 column 5
9	Net Investment (Line 4+5+6+7+8)		126,786,841	109,444,333	236,231,173	
10	Prepayments	(A)(1)(h)	172,727	n/a	172,727	Worksheet 3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	776,207	n/a	776,207	Worksheet 3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	356,494	n/a	356,494	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		128,092,269	109,444,333	237,536,601	
II. REVENUE REQUIREMENTS						
			Post-96 (less NRI)	NRI	Total	
14	Investment Return and Income Taxes	(A)	36,508,473	1,238,735	37,747,208	Worksheet 2
15	Depreciation Expense	(B)			6,685,975	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)			0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)			(20,471)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)			2,949,321	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)			113,044	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)			1,567,430	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)			1,284,523	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	(I)			0	Worksheet 7
23	Transmission Support Revenue	(J)			0	Worksheet 7
24	Transmission Support Expense	(K)			0	Worksheet 7
25	Transmission Related Expense from Generators	(L)			0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)			0	
27	Revenue for ST Trans. Service Under ISO Tariff	(N)			(526,172)	from G/L
28	Transmission Rents Received from Electric Property	(O)			237,929	Exhibit: Transmission Rents
29	Total Revenue Requirements (Line 14 thru 28)				50,038,786	

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
PRE-1997

Shading denotes an input

	<u>CAPITALIZATION</u> <u>12/31/2013</u>	<u>CAPITALIZATION</u> <u>RATIOS</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>EQUITY</u> <u>PORTION</u>
LONG-TERM DEBT	\$ 192,727,271	32.49%	6.27%	2.04%	
PREFERRED STOCK	366,400	0.06%	7.00%	0.00%	0.00%
COMMON EQUITY	400,066,155	67.45%	11.64%	7.85%	7.85%
TOTAL INVESTMENT RETURN	\$ 593,159,826	100.00%		9.89%	7.85%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0989

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0785 + \left(\frac{(329) + 4,125}{3,838,721} \right)}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0428017

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0785 + \left(\frac{(329) + 4,125}{3,838,721} \right)}{1} \right) + \frac{0.0428017}{0.0893} \times 0.0893$$

= 0.0119914

(a)+(b)+(c) Cost of Capital Rate = 0.1536931

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 3,838,721	From Worksheet 1
x Cost of Capital Rate	0.1536931	
= Investment Return and Income Taxes	<u>589,985</u>	To Worksheet 1

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
POST-1996

Shading denotes an input

	<u>CAPITALIZATION</u> <u>12/31/2013</u>	<u>CAPITALIZATION</u> <u>RATIOS</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>EQUITY</u> <u>PORTION</u>
LONG-TERM DEBT	\$ 192,727,271	32.49%	6.27%	2.04%	
PREFERRED STOCK	366,400	0.06%	7.00%	0.00%	0.00%
COMMON EQUITY	<u>400,066,155</u>	<u>67.45%</u>	11.64%	<u>7.85%</u>	<u>7.85%</u>
TOTAL INVESTMENT RETURN	\$ <u>593,159,826</u>	<u>100.00%</u>		<u>9.89%</u>	<u>7.85%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0989

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1 - \text{Federal Income Tax Rate}} \right)$$

=
$$\left(\frac{0.0785 + \left(\frac{(20,471) + 256,425}{237,536,601} \right) / 0.35}{1 - 0.35} \right)$$

= 0.0428041

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax}}{1 - \text{State Income Tax Rate}} \right) * \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0785 + \left(\frac{(20,471) + 256,425}{237,536,601} \right) / 0.0428041}{1 - 0.0893} \right) * 0.0893$$

= 0.0119921

(a)+(b)+(c) Cost of Capital Rate = 0.1536962

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 237,536,601	From Worksheet 1
x Cost of Capital Rate	0.1536962	
= Investment Return and Income Taxes	<u>36,508,473</u>	To Worksheet 1

**Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
POST-2003 (NRI)**

Shading denotes an input

	<u>CAPITALIZATION 12/31/2013</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 192,727,271	32.49%	0.00%	0.00%	
PREFERRED STOCK	366,400	0.06%	0.00%	0.00%	0.00%
COMMON EQUITY	<u>400,066,155</u>	<u>67.45%</u>	<u>1.0%</u>	<u>0.67%</u>	<u>0.67%</u>
TOTAL INVESTMENT RETURN	\$ <u>593,159,826</u>	<u>100.00%</u>		<u>0.67%</u>	<u>0.67%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0067

(b) Federal Income Tax = $\left(\frac{\text{R.O.E.} \times \text{Federal Income Tax Rate}}{1 - \text{Federal Income Tax Rate}} \right)$

= $\left(\frac{0.0067 \times 0.35}{1 - 0.35} \right)$

= 0.0036077

(c) State Income Tax = $\left(\frac{\text{R.O.E.} + \text{Federal Income Tax}}{1 - \text{State Income Tax Rate}} \right) \times \text{State Income Tax Rate}$

= $\left(\frac{0.0067 + 0.0036077}{1 - 0.0893} \right) \times 0.0893$

= 0.0010107

(a)+(b)+(c) Cost of Capital Rate = 0.0113184

		<u>(PTF)</u>	
INVESTMENT BASE (NRI)	\$ 109,444,333		From Worksheet 1
x Cost of Capital Rate	0.0113184		
= Investment Return and Income Taxes	<u>1,238,735</u>		To Worksheet 1

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
PRE-1997

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
<u>Transmission Plant</u>						
1					5,355,168	Line 1, Worksheet 5
2	52,466,078	13.2427% (a)	6,947,925	1.1609%	80,658	Page 207.96g
3			6,947,925		5,435,826	
4	0		0	1.1609%	0	Page 214
<u>Transmission Accumulated Depreciation</u>						
5	(48,765,614)		(48,765,614)	1.1609%	(566,120)	Page 219.25b
6	(27,374,861)	13.2427% (a)	(3,625,171)	1.1609%	(42,085)	Page 219.28b
7			(52,390,785)		(608,205)	
<u>Transmission Accumulated Deferred Taxes</u>						
8			(85,218,548) (d)	1.1609%	(989,302)	Page 450.1 Footnote
9			1,745,697 (e)	1.1609%	20,266	Page 234 Footnote
10			(83,472,851)		(969,036)	
11	0	56.3537% (c)	0	1.1609%	0	Page 111.81c
<u>Other Regulatory Assets</u>						
12	(37,772,504)	13.2427% (a)	(5,002,099)	1.1609%	(58,069)	Page 232.20f - Page 278.1f + part of Page 122a (Column C)
13	0	(f)	0	1.1609%	0	FAS 106 portion of AOCI
14	0	56.3537% (c)	0	1.1609%	0	Excluded in Lines 8 & 9
15	(37,772,504)		(5,002,099)		(58,069)	n/a
16	1,807,515	13.2427% (a)	239,364	1.1609%	2,779	Page 111.57c
17	1,075,660		1,075,660	1.1609%	12,487	Page 227.8c
18			12,487			
19					25,216	Worksheet 1, Line 20
20					20,665	Worksheet 1, Line 21
21					137,629	Worksheet 1, Line 24
22					183,510	
23					0,125	x 45 / 360
24					22,939	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Directly assigned to transmission as per the FERC Form 1, page 450.1 footnote on functionalization

(e) Directly assigned to transmission as per the FERC Form 1, page 234 footnote on functionalization

(f) Zero because FAS 109 balances were excluded on Lines 8 & 9

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
POST-1996

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
<u>Transmission Plant</u>						
1			0		332,867,605	Line 1, Worksheet 5
2	52,466,078	13.2427% (a)	6,947,925	72.1610%	5,013,692	Page 207.96g
3			<u>6,947,925</u>		<u>337,881,297</u>	
4			0	72.1610%	<u>0</u>	Page 214
<u>Transmission Accumulated Depreciation</u>						
5	(48,765,614)		(48,765,614)	72.1610%	(35,189,755)	Page 219.25b
6	(27,374,861)	13.2427% (a)	(3,625,171)	72.1610%	(2,615,960)	Page 219.28b
7			<u>(52,390,785)</u>		<u>(37,805,715)</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8			(85,218,548) (d)	72.1610%	(61,494,556)	Page 450.1
9			1,745,697 (e)	72.1610%	1,259,712	Page 234 Footnote
10			<u>(83,472,851)</u>		<u>(60,234,844)</u>	
11		56.3537% (c)	0	72.1610%	<u>0</u>	Page 111.81c
<u>Other Regulatory Assets</u>						
12	(37,772,504)	13.2427% (a)	(5,002,099)	72.1610%	(3,609,565)	Page 232.23f - Page 278.1f + part of Page 122a (Column C)
13	0	56.3537% (c)	0	72.1610%	0	Excluded in Lines 8 & 9
14	0	56.3537% (c)	0	72.1610%	0	n/a
15	<u>(37,772,504)</u>		<u>(5,002,099)</u>		<u>(3,609,565)</u>	
16	1,807,515	13.2427% (a)	239,364	72.1610%	<u>172,727</u>	Page 111.57c
17	1,075,660		1,075,660	72.1610%	<u>776,207</u>	Page 227.8c
<u>Cash Working Capital</u>						
19					1,567,430	Worksheet 1, Line 20
20					1,284,523	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					2,851,953	
23					0.125	x 45 / 360
24					<u>356,494</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Directly assigned to transmission as per the FERC Form 1, page 450.1 footnote on functionalization

(e) Directly assigned to transmission as per the FERC Form 1, page 234 footnote on functionalization

(f) Zero because FAS 109 balances were excluded on Lines 8 & 9

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
PRE-1997

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	8,895,601		8,895,601	1.1609%	103,269	Page 336.7b
2	2,792,149	13.2427% (a)	369,756	1.1609%	4,292	Page 336.10b
3			9,265,357		107,561	
4	0	56.3537% (c)	0	1.1609%	0	Page 117.64c
5	50,339	56.3537% (c)	28,368	1.1609%	329	Page 266.8f
Property Taxes						
6	7,252,656	56.3537% (c)	4,087,140	1.1609%	47,448	Page 262-263, Note d
8			4,087,140		47,448	
Transmission Operation and Maintenance						
9	(24,810,999)		(24,810,999)	1.1609%	(288,031)	Page 321.112b
10	(28,172,464)		(28,172,464)	1.1609%	(327,054)	Page 321.96b
11	1,189,337		1,189,337	1.1609%	13,807	Page 321.84b-88b
12					0	Page 321.93b & .98b
13	2,172,128		2,172,128	1.1609%	25,216	
Transmission Administrative and General						
14	12,341,504					Page 323.197b
15	328,922					Page 323.185b
16	1,618,307					Page 350 (351.46[h+k])
17	0					Page 323.191b
18	10,394,275	13.2427% (a)	1,376,483	1.1609%	15,980	
19	328,922	56.3537% (c)	185,360	1.1609%	2,152	
20	387,260	56.3537% (c)	218,235	1.1609%	2,533	Exhibit: Reg Commission Expenses
21	0	56.3537% (c)	0	1.1609%	0	
22	11,110,457		1,780,078		20,665	
23	1,182,952	13.2427% (a)	156,655	1.1609%	1,819	Footnote (d)
Notes:						
	(a) Worksheet 5 of 7, line 11					
	(b) Worksheet 5 of 7, line 3					
	(c) Worksheet 5 of 7, line 16					
	(d) Payroll taxes FERC Form 1					
	Federal Unemployment	12,275	page 263.9i			
	FICA	1,141,615	page 263.6i			
	Medicare	0				
	State Unemployment	29,062	page 263.13i			
	Total	1,182,952	To Line 23			
** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.						
Appropriate Property Taxes						
	BHE 2012	6,466,757	page 263.17i			
	BHE 2011	785,899	page 263.18i			
	Total	7,252,656	To Line 6			

**Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
POST-1996**

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
<u>Depreciation Expense</u>						
1	8,895,601		8,895,601	72.1610%	6,419,155	Page 336.7b
2	2,792,149	13.2427% (a)	369,756	72.1610%	266,820	Page 336.10b
3			<u>9,265,357</u>		<u>6,685,975</u>	
<u>Amortization of Loss on Reacquired Debt</u>						
4	0	56.3537% (c)	0	72.1610%	0	Page 117.64c
<u>Amortization of Investment Tax Credits</u>						
5	50,339	56.3537% (c)	28,368	72.1610%	20,471	Page 266.8f
<u>Property Taxes</u>						
6	7,252,656	56.3537% (c)	4,087,140	72.1610%	2,949,321	Page 262-263 FN.1-2
8			<u>4,087,140</u>		<u>2,949,321</u>	
<u>Transmission Operation and Maintenance</u>						
9	(24,810,999)		(24,810,999)	72.1610%	(17,903,865)	Page 321.112b
10	(28,172,464)		(28,172,464)	72.1610%	(20,329,532)	Page 321.96b
11	1,189,337		1,189,337	72.1610%	858,237	Page 321.84b-88b
12	**Station Expenses & Rents - #562 / #567				0	Page 321.93b & .98b
13	<u>2,172,128</u>		<u>2,172,128</u>	72.1610%	<u>1,567,430</u>	
<u>Transmission Administrative and General</u>						
14	12,341,504					Page 323.197b
15	less Property Insurance (#924)					Page 323.185b
16	1,618,307					Page 350 (351.46(h+k))
17	less General Advertising Expense (#930.1)					Page 323.191b
18	Subtotal [line 14 minus (15 thru 17)]					
19	328,922	56.3537% (c)	185,360	72.1610%	133,758	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)					Exhibit: Reg Commission Expenses
21	387,260	56.3537% (c)	218,235	72.1610%	157,481	
22	PLUS Trans. Related General Advertising Expense					
22	Total A&G [line 18 plus (19 thru 21)]		<u>1,780,078</u>		<u>1,284,523</u>	
23	Payroll Tax Expense	13.2427% (a)	156,655	72.1610%	113,044	Footnote (d)
23	1,182,952					
Notes:						
	(a) Worksheet 5 of 7, line 11					
	(b) Worksheet 5 of 7, line 3					
	(c) Worksheet 5 of 7, line 16					
	(d) Payroll taxes FERC Form 1, page 263.i ,263.1i					
	Federal Unemployment		12,275			
	FICA		1,141,615			
	Medicare		0			
	State Unemployment		29,062			
	Total		<u>1,182,952</u>	To Line 23		
** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.						
Appropriate Property Taxes						
	BHE 2012		6,466,757			
	BHE 2011		785,899			
	Total		<u>7,252,656</u>	To Line 6		

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
PRE-1997

 Shading denotes an input

Line No.		Total	FERC Form 1 Reference
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	5,355,168	Exhibit PTF Plant Page 207.58g
2	Total Transmission Investment	461,284,774	
3	Percent Allocation (Line 1/Line 2)	<u>1.1609%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,808,006	Page 354.21b Worksheet 6
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	1,808,006	
7	Total Wages and Salaries	17,833,266	Page 354.28b Page 354.27b Worksheet 6
8	Administrative and General Wages and Salaries	4,180,366	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	13,652,900	
11	Percent Allocation (Line 6/Line 10)	<u>13.2427%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	461,284,774	Page 207.58g Worksheet 3, Line 2
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	6,947,925	
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	468,232,699	
15	Total Plant in Service	830,882,605	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>56.3537%</u>	

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
POST-1996

Shading denotes an input

Line No.		Total	FERC Form 1 Reference
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	332,867,605	Exhibit PTF Plant
2	Total Transmission Investment	461,284,774	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	<u>72.1610%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,808,006	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	<u>1,808,006</u>	
7	Total Wages and Salaries	17,833,266	Page 354.28b
8	Administrative and General Wages and Salaries	4,180,366	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	<u>13,652,900</u>	
11	Percent Allocation (Line 6/Line 10)	<u>13.2427%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	461,284,774	Page 207.58g
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	6,947,925	<i>Worksheet 3, Line 2</i>
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	<u>468,232,699</u>	
15	Total Plant in Service	830,882,605	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>56.3537%</u>	

**Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
Affiliated Company Wages and Salaries**

Shading denotes an input

Line		Total
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 = Total "Affiliated" Wages and Salaries		0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

**Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013**

Shading denotes an input


Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	Total	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(h)		4,889
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
345 kV Jordan Rd - Canal 342 line				
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission			
	115 kV Orrington Substation			
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			39,488
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation			
	HQ Phase II - AC in MA	332.(h)		93,252
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line			
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			
	Fairmont 115 kV Substation			
	345 kV Millstone-Manchester 310 line			
	UI Substations			
	Black Pond			
Total =			0	137,629

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

137,629

**Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
TRUE-UP**

 Shading denotes an input

I. ANNUAL TRUE-UP		Period	Attachment F Reference Section:	PRE97	POST 1996	Reference
Line No.						
1	Prior Year (Billed) Revenue Requirement	06/11-05/12	Appendix C	\$936,845	\$50,622,103	Sub-Total ATRR plus FTRR (excludes ATU) "Summary", line 29 (before FTRR & ATU)
2	Prior Year (Actual) Revenue Requirement	TY 2013		\$925,357	\$50,038,786	
3	Under / (Over) Forecast (Lines 2 - 1)			(\$11,488)	(\$583,317)	
4	Annual True Up (ATU)	06/11-05/12		(\$11,488)	(\$583,317)	

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
SUMMARY

Line No.	Attachment F Reference	Pre-97	Post-96	Reference
		Total	Total	
I. INVESTMENT BASE				
	<i>Section:</i>			
1	Transmission Plant	(A)(1)(a) 5,355,168	332,867,605	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b) 80,658	5,013,692	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c) 0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)	5,435,826	337,881,297	
5	Accumulated Depreciation	(A)(1)(d) (608,205)	(37,805,715)	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e) (969,036)	(60,234,844)	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f) 0	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g) (58,069)	(3,609,565)	Worksheet 3, line 15 column 5
9	Net Investment (Line 4+5+6+7+8)	3,800,516	236,231,173	
10	Prepayments	(A)(1)(h) 2,779	172,727	Worksheet 3, line 16 column 5
11	Materials & Supplies	(A)(1)(i) 12,487	776,207	Worksheet 3, line 17 column 5
12	Cash Working Capital	(A)(1)(j) 22,939	356,494	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)	3,838,721	237,536,601	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A) 589,985	37,747,208	Worksheet 2
15	Depreciation Expense	(B) 107,561	6,685,975	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C) 0	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D) (329)	(20,471)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E) 47,448	2,949,321	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F) 1,819	113,044	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G) 25,216	1,567,430	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H) 20,665	1,284,523	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	(I) 0	0	Worksheet 7
23	Transmission Support Revenue	(J) 0	0	Worksheet 7
24	Transmission Support Expense	(K) 137,629	0	Worksheet 7
25	Transmission Related Expense from Generators	(L) 0	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M) 0	0	
27	Revenue for ST Trans. Service Under ISO Tariff	(N) (8,465)	(526,172)	Worksheet 1, line 27
28	Transmission Rents Received from Electric Property	(O) 3,828	237,929	Worksheet 1, line 28
29	Total Revenue Requirements (Line 14 thru 28)	925,357	50,038,786	

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
FORECAST

Shading denotes an input

Attachment F

Reference

I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS		Period	Section:	POST-1996	Reference
Line No.					
1	Forecasted Transmission Plant Additions	2010	Appendix C	\$6,070,503	Exh :Forecast Plant
2	Carrying Charge Factor		Appendix C	15.12%	
3	Total Forecasted Revenue Requirements (Lines 1*2)			<u>\$917,814</u>	
II. CARRYING CHARGE FACTOR					
4	Investment Return and Income Taxes		(A)	\$37,747,208	Worksheet 1 Post-96, line 14
5	Depreciation Expense		(B)	\$6,685,975	Worksheet 1 Post-96, line 15
6	Amortization of Loss on Reacquired Debt		(C)	\$0	Worksheet 1 Post-96, line 16
7	Investment Tax Credit		(D)	(\$20,471)	Worksheet 1 Post-96, line 17
8	Property Tax Expense		(E)	\$2,949,321	Worksheet 1 Post-96, line 18
9	Payroll Tax Expense		(F)	\$113,044	Worksheet 1 Post-96, line 19
10	Operation & Maintenance Expense		(G)	\$1,567,430	Worksheet 1 Post-96, line 20
11	Administrative & General Expense		(H)	\$1,284,523	Worksheet 1 Post-96, line 21
12	Total Expenses (Lines 4 thru 11)			<u>\$50,327,030</u>	
13	PTF Transmission Plant		(A)(1)(a)	<u>\$332,867,605</u>	Worksheet 1 Post-96, line 1
14	Carrying Charge Factor (Lines 12/13)			<u>15.12%</u>	

Interest

**Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements of PTF Facilities
For Costs In 2013
INTEREST**

Shading denotes an input

Pre 97 Under / (Over) (\$11,488)	Post-96 Under/ (Over) (\$583,317)
-------------------------------------	--------------------------------------

Initial Billing Period	Pre-97 Balance	Post-96 Balance	FERC Monthly Interest Rate	Pre-97 Interest	Post-96 Interest
June-13	\$ (11,488)	\$ (583,317)	0.27%	\$ (31)	\$ (1,575)
July-13	\$ (11,519)	\$ (584,892)	0.28%	\$ (32)	\$ (1,638)
August-13	\$ (11,519)	\$ (584,892)	0.28%	\$ (32)	\$ (1,638)
September-13	\$ (11,519)	\$ (584,892)	0.27%	\$ (31)	\$ (1,579)
October-13	\$ (11,614)	\$ (589,746)	0.28%	\$ (33)	\$ (1,651)
November-13	\$ (11,614)	\$ (589,746)	0.27%	\$ (31)	\$ (1,592)
December-13	\$ (11,614)	\$ (589,746)	0.28%	\$ (33)	\$ (1,651)
January-14	\$ (11,711)	\$ (594,641)	0.28%	\$ (33)	\$ (1,665)
February-14	\$ (11,711)	\$ (594,641)	0.25%	\$ (29)	\$ (1,487)
March-14	\$ (11,711)	\$ (594,641)	0.28%	\$ (33)	\$ (1,665)
April-14	\$ (11,806)	\$ (599,458)	0.27%	\$ (32)	\$ (1,619)
May-14	\$ (11,806)	\$ (599,458)	0.28%	\$ (33)	\$ (1,678)
Total Interest				\$ (383)	\$ (19,438)
True-Up				(\$11,488)	(\$583,317)
Total TU & Int				\$ (11,871)	\$ (602,755)

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements for Transmission Facilities
Regulatory Commission Expenses for 2013
Reconciliation of FERC Form 1 Data to Exhibit 5

Line	a Description	b Expenses Booked	c Reference
1	Expenses booked to Account 923 (directly related to reg proceedings)	\$ 180,925	Exhibit: Outside Legal Expenses (#923), line 13c
2	Regulatory commission expenses booked to Account 928	\$ 1,618,307	FF1 pg 350.46d
3	Line 2, directly attributable to Transmission		
a	Annual Federal Regulatory Assessment	\$ 137,851	FF1 pg 350.2d
b	General Transmission	\$ 12,520	FF1 pg 350.9d +10d
c	Transmission Tariff filings	\$ 39,509	FF1 pg 350.8d
d	First Wind	\$ 16,455	FF1 pg 350.12d
e			
f			
g			
h			
i			
4			
5	Account 928 directly related to Transmission	\$ 206,335	
6			
7			
8			
9	Total	\$ 387,260	Line 1+4+5+6+7+8
10			
11	a	b	c
12	Notes		
13	1) 2008		
14	2) 2009		
	3) 2010		

**Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements for Transmission Facilities
Transmission Rents for 2013**

Line	Line	Miles	Rate (\$/mile/year)	Fee
1	Line 205	5.36		
2	Line 246	7.22		
3	Line 60	20.39		
4	Line 73	2.83		
5	Line 78	6.45		
6	Line 77	2.58		
7	Line 11	6.55		
8	Total	51.37	\$ 4,706.18	\$ 241,756

Emera Maine-Bangor Hydro District (EM-BHD)
2013 PTF Plant Calculation
Additions, Retirements and Transfers
Summary By FERC Account

Line	a	b	c	d	e	f
1			2012 Total PTF Plant			
2	FERC		total	pre-97	post-96	post-03
3	350	Transmission Land	\$ 24,982,657	\$ 78,755	\$ 3,371,371	\$ 21,532,532
4	353	Substations	\$ 94,545,093	\$ 5,327,045	\$ 2,143,726	\$ 87,074,323
5	354	Towers and Fixtures	\$ 9,312,136	\$ 26,741	\$ -	\$ 9,285,395
6	355	Poles and Fixtures	\$ 104,202,548	\$ 72,612	\$ 3,056,740	\$ 101,073,197
7	356	Overhead Conductors	\$ 78,843,265	\$ (123,073)	\$ 3,457,322	\$ 75,509,016
8	357	Underground Conduits	\$ 29	\$ -	\$ -	\$ 29
9	358	Underground Conductors	\$ 19,312	\$ -	\$ -	\$ 19,312
10	359	Roads and Trails	\$ -	\$ -	\$ -	\$ -
11			\$ 311,905,041	\$ 5,382,079	\$ 12,029,158	\$ 294,493,804
12						
13						
14			2013 Incremental PTF			
15	FERC		total	pre-97	post-96	post-03
16	350	Transmission Land	\$ -	\$ -	\$ -	\$ -
17	353	Substations	\$ 481,973	\$ -	\$ -	\$ 481,973
18	354	Towers and Fixtures	\$ -	\$ -	\$ -	\$ -
19	355	Poles and Fixtures	\$ 4,661,709	\$ (104)	\$ (10,396)	\$ 4,672,210
20	356	Overhead Conductors	\$ 21,174,050	\$ (26,807)	\$ (168,930)	\$ 21,369,787
21	357	Underground Conduits	\$ -	\$ -	\$ -	\$ -
22	358	Underground Conductors	\$ -	\$ -	\$ -	\$ -
23	359	Roads and Trails	\$ -	\$ -	\$ -	\$ -
24			\$ 26,317,732	\$ (26,911)	\$ (179,327)	\$ 26,523,970
25						
26						
27			2013 Total PTF			
28	FERC		total	pre-97	post-96	post-03
29	350	Transmission Land	\$ 24,982,657	\$ 78,755	\$ 3,371,371	\$ 21,532,532
30	353	Substations	\$ 95,027,066	\$ 5,327,045	\$ 2,143,726	\$ 87,556,296
31	354	Towers and Fixtures	\$ 9,312,136	\$ 26,741	\$ -	\$ 9,285,395
32	355	Poles and Fixtures	\$ 108,864,257	\$ 72,507	\$ 3,046,343	\$ 105,745,407
33	356	Overhead Conductors	\$ 100,017,315	\$ (149,880)	\$ 3,288,392	\$ 96,878,804
34	357	Underground Conduits	\$ 29	\$ -	\$ -	\$ 29
35	358	Underground Conductors	\$ 19,312	\$ -	\$ -	\$ 19,312
36	359	Roads and Trails	\$ -	\$ -	\$ -	\$ -
37			\$ 338,222,773	\$ 5,355,168	\$ 11,849,831	\$ 321,017,774

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirements for Transmission Facilities
Monthly Outside Legal Expenses (Account 923) for 2013
Reconciliation of FERC Form 1 Data to Exhibit 5

	a	b	c
Months		Total Booked Expenses	Directly Related to Regulatory and/or Compliance Activities
1 Jan-12	\$	19,225.98	\$ 4,297.11
2 Feb-12	\$	15,227.81	\$ 6,955.59
3 Mar-12	\$	12,643.63	\$ 7,160.96
4 Apr-12	\$	14,421.92	\$ 4,203.22
5 May-12	\$	38,838.79	\$ 16,267.99
6 Jun-12	\$	7,941.45	\$ 6,739.61
7 Jul-12	\$	24,433.16	\$ 18,873.81
8 Aug-12	\$	22,757.31	\$ 3,493.69
9 Sep-12	\$	8,839.91	\$ 1,150.72
10 Oct-12	\$	18,900.97	\$ 2,537.55
11 Nov-12	\$	18,977.40	\$ 12,591.40
12 Dec-12	\$	133,945.03	\$ 96,653.63
13 Total	\$	336,153.36	\$ 180,925.28

Emera Maine-Bangor Hydro District (EM-BHD)
Annual Revenue Requirement for Transmission Facilities
Total Forecasted Transmission Plant (FTPA) for 2013

Line	Capital Additions:	RSP ID	PTF
1	Downeast Reliability Project	143	\$ 481,899
2	Rebel Hill Switching Station	1031	\$ 250,000
3	Line 51 & 93	1154	\$ 38,604
4	SVC Control Upgrade	1506	\$ 4,200,000
5	Line 66 (RHS)	TBD	\$ 1,100,000
6			
7			
8			
9	Total Forecasted Transmission Plant Additions = FTPA		\$ 6,070,503

Sheet: Input Panel

EFFECTIVE JUNE 1, 2014
 ISO New England Inc.
 Annual Transmission Revenue Requirements
 Per FERC Electric Tariff No. 3, Section II - Attachment F

Shading denotes an input

Submitted on: 15-May-14

Revenue Requirements for (year): Calendar Year 2013

Customer: Fitchburg Gas and Electric Light Company

Customer's NABs Number: 38

Name of Participant responsible for customer's billing: Fitchburg Gas and Electric Light Company

DUNs number of Participant responsible for customer's billing: 006-954-4317

		<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	=	<u>\$171,996</u> (a)	<u>\$506,944</u> (f)
Total of Attachment F - Section J - Support Revenue		<u>\$0</u> (b)	<u>\$0</u> (g)
Total of Attachment F - Section K - Support Expense		<u>\$39,992</u> (c)	<u>\$0</u> (h)
Total of Attachment F - Section (L through O)		<u>\$0</u> (d)	<u>\$0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>\$211,988</u> (e)=(a)-(b)+(c)+(d)	<u>\$506,944</u> (j)=(f)-(g)+(h)+(i)
Forecasted Transmission Revenue Requirements (per Appendix C to Attachment F Implementation Rule)		<u>N/A</u>	<u>\$14,982</u> (m) Worksheet 1a
Annual True-up (per Appendix C to Attachment F Implementation Rule)		<u>(\$47,587)</u> (k)	<u>(\$135,828)</u> (n) Worksheet 1c
Interest Charge on Annual True-up		<u>(\$1,586)</u> (l)	<u>(\$4,526)</u> (o) Worksheet 1c
Total		<u>\$162,815</u> (p)=(e)+(k)+(l)	<u>\$381,572</u> (q)=(j)+(m)+(n)+(o)
Annual Revenue Requirements Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements & True-ups (including interest)		<u>\$544,387</u> (r)=(p)+(q)	

Fitchburg Gas and Electric Light Company
Annual Revenue Requirements of PTF Facilities
for costs in 2013
PRE-1997

Shading denotes an input

		Attachment F	FG&E	Total	Reference
Line No.	I. INVESTMENT BASE	Reference			
		<i>Section:</i>			
1	Transmission Plant	(A)(1)(a)	1,228,045	1,228,045	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	32,597	32,597	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		1,260,642	1,260,642	
5	Accumulated Depreciation	(A)(1)(d)	468,041	468,041	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	234,782	234,782	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	55,313	55,313	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		613,132	613,132	
10	Prepayments	(A)(1)(h)	21,844	21,844	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	11,642	11,642	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	9,557	9,557	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		656,175	656,175	
	II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	84,959	84,959	Worksheet 2
15	Depreciation Expense	(B)	34,908	34,908	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	15,020	15,020	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	646	646	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	8,173	8,173	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	28,290	28,290	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	0	Worksheet 7
24	Transmission Support Expense	(K)	39,992	39,992	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	0	
28	Transmission Rents Received from Electric Property	(O)	0	0	
29	Total Revenue Requirements (Line 14 thru 28)		211,988	211,988	

Fitchburg Gas and Electric Light Company
Annual Revenue Requirements
for costs in 2013
PRE-1997

Shading denotes an input

	CAPITALIZATION 12/31/13*	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 68,100,000	51.19%	6.99%	3.58%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	64,923,997	48.81%	11.64%	5.68%	5.68%
TOTAL INVESTMENT RETURN	\$ 133,023,997	100.00%		9.26%	5.68%

*See Workpaper 2

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0926

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0568 + \left(\frac{0 + 134}{656,175} \right)}{1} \right) \times \frac{0.34}{0.34}$$

= 0.0293657

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0568 + \left(\frac{0 + 134}{656,175} \right)}{1} \right) + \frac{0.0293657}{0.08} \times 0.08$$

= 0.0075104

(a)+(b)+(c) **Cost of Capital Rate** = 0.1294761

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 656,175	From Worksheet 1
x Cost of Capital Rate	0.1294761	
= Investment Return and Income Taxes	<u>84,959</u>	To Worksheet 1

Fitchburg Gas and Electric Light Company

PRE-1997

PTF Revenue Requirements

Worksheet 3 of 8

Shading denotes an input

Line No.		(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
1	<u>Transmission Plant</u> Transmission Plant			0		1,228,045	Line 1, Worksheet 5 Page 207.99g + (Page 201.3h + 201.6h - Total A/C 303 - Total A/C 310)*50.20% (d) See Workpaper 8
2	General Plant	5,420,111	6.1995% (a)	336,020	9.7009%	32,597	
3	Total (line 1+2)			<u>336,020</u>		<u>1,260,642</u>	
4	<u>Transmission Plant Held for Future Use</u>	0		0	9.7009%	<u>0</u>	Page 214
5	<u>Transmission Accumulated Depreciation</u> Transmission Accum. Depreciation	4,699,686		4,699,686	9.7009%	455,912	Page 219.25b (1) Page 219.28c (includes common allocated to electric) (2)
6	General Plant Accum. Depreciation	2,016,744	6.1995% (a)	125,028	9.7009%	12,129	
7	Total (line 5+6)			<u>4,824,714</u>		<u>468,041</u>	
8	<u>Transmission Accumulated Deferred Taxes</u> Accumulated Deferred Taxes (281-283)	(23,667,190)	10.2699% (c)	(2,430,597)	9.7009%	(235,790)	Page 273.8k + 275.2k + 277.3k, See Workpaper 3
9	Accumulated Deferred Taxes (190)	101,216	10.2699% (c)	10,395	9.7009%	1,008	Page 234.8c
10	Total (line 8+9)			<u>(2,420,202)</u>		<u>(234,782)</u>	
11	<u>Transmission loss on Reacquired Debt</u>	0	10.2699% (c)	0	9.7009%	<u>0</u>	Page 111.81c
12	<u>Other Regulatory Assets</u> FAS 106	759,148	6.1995% (a)	47,063	9.7009%	4,566	Page 232.17f
13	FAS 109	5,093,641	10.2699% (c)	523,112	9.7009%	50,747	Page 232.16f - 278.1f
14	Other Regulatory Liabilities (254.DK)	0	10.2699% (c)	0	9.7009%	0	
15	Total (line 12+13+14)	<u>5,852,789</u>		<u>570,175</u>		<u>55,313</u>	
16	<u>Transmission Prepayments</u>	3,632,139	6.1995% (a)	225,174	9.7009%	<u>21,844</u>	Page 111.57c *p.200.8.c/p.200.8.b
17	<u>Transmission Materials and Supplies</u>	120,012		120,012	9.7009%	<u>11,642</u>	Page 227.8c
18	<u>Cash Working Capital</u>						
19	Operation & Maintenance Expense					8,173	Worksheet 1, Line 20
20	Administrative & General Expense					28,290	Worksheet 1, Line 21
21	Transmission Support Expense					39,992	Worksheet 1, Line 24
22	Subtotal (line 19+20+21)					<u>76,455</u>	
23						<u>0.125</u>	x 45 / 360
24	Total (line 22 * line 23)					<u>9,557</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) 50.20% is FGE's gas and electric labor allocator used for allocating common plant. See Workpaper 4.

(1) Adjusted by \$33,554.42 to exclude prior period depreciation rate change.

(2) Adjusted by \$16,319.93 to exclude prior period depreciation rate change.

Fitchburg Gas and Electric Light Company PTF Revenue Requirements

Sheet: Worksheet 4

PRE-1997

Worksheet 4 of 8

(2) (4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
<u>Depreciation Expense</u>						
1	347,642		347,642	9.7009%	33,724	Page 336.7b
2	196,888	6.1995% (a)	12,206	9.7009%	1,184	Page 336.10b (includes common allocated to electric)
3			359,848		34,908	
4	0	10.2699% (c)	0	9.7009%	0	Page 117.64c
5	0	10.2699% (c)	0	9.7009%	0	Page 266.8f
<u>Property Taxes</u>						
6	1,507,645	10.2699% (c)	154,834	9.7009%	15,020	Page 263i, lines 9, 10, 11 & 16
7	0	6.1995% (a)	0	9.7009%	0	Page 262-263
8			154,834		15,020	
<u>Transmission Operation and Maintenance</u>						
9	7,169,705		7,169,705	9.7009%	695,526	Page 321.112b
10	6,857,446		6,857,446	9.7009%	665,234	Page 321.96b
11	228,007		228,007	9.7009%	22,119	Page 321.84b-.88b
12	0		0	9.7009%	0	Page 321.93b & .98b
13	84,252		84,252	9.7009%	8,173	
<u>Transmission Administrative and General</u>						
14	4,960,299					Page 323.197b
15	39,507					Page 323.185b
16	392,636					Page 323.189b
17	0					Page 323.191b
18	4,528,156	6.1995% (a)	280,723	9.7009%	27,233	
19	39,507	10.2699% (c)	4,057	9.7009%	394	
20	6,830		6,830	9.7009%	663	Page 351.6h
21	0	10.2699% (c)	0	9.7009%	0	
22	4,574,493		291,610		28,290	
23	107,395	6.1995% (a)	6,658	9.7009%	646	Footnote (d)
(a) Worksheet 5 of 8, line 11						
(b) Worksheet 5 of 8, line 3						
(c) Worksheet 5 of 8, line 16						
(d) Payroll taxes FERC Form 1, page 263.i ,263.1i						
	1,395					Page 263.4i
	198,197					Page 263.2i
	0					
	11,270					Page 263.6i
	2,078					Page 263.8i
	(105,545)					Page 263.15i
Total	107,395	To Line 23				

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

Line
No.

FERC Form 1
Reference

PTF Transmission Plant Allocation Factor

FG&E

1	PTF Transmission Investment	1,228,045
2	Total Transmission Investment	12,659,061
3	Percent Allocation (Line 1/Line 2)	<u>9.7009%</u>

See Workpaper 1
Page 207.58g

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	47,639
5	Affiliated Company Transmission Wages and Salaries	0
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	<u>47,639</u>
7	Total Wages and Salaries	797,046
8	Administrative and General Wages and Salaries	28,608
9	Affiliated Company Wages and Salaries less A&G	0
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	<u>768,438</u>
11	Percent Allocation (Line 6/Line 10)	<u>6.1995%</u>

Page 354.21b
Worksheet 6 of 8

Page 354.28b + Line 5
Page 354.27b
Worksheet 6 of 8

Plant Allocation Factor

12	Total Transmission Investment	12,659,061
13	plus Transmission-Related General Plan (Line 2 of Wkst. 3)	336,020
14	= Revised Numerator (Line 12 + Line 13)	<u>12,995,081</u>
15	Total Plant in Service	126,535,263
16	Percent Allocation (Line 14 / Line 15)	<u>10.2699%</u>

Page 207.58g
Worksheet 3, Line 2, col.(3)

Page 207.104g + Total Common Plant Allocated to Electric, See
Workpaper 8

Affiliated Company Wages and Salaries PRE-1997

Shading denotes an input

Line	FG&E	
"Affiliated" Transmission Wages and Salaries #560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10 Total Transmission		0
12 = Total "Affiliated" Wages and Salaries		0
Less "Affiliated" Administrative and General Salaries #920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21 Total "Affiliated" less A&G		0

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FG&E		TOTAL	
		Revenues (a)	Expenses (b)	Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line				
	115 kV Somerville 402 Substation				
	115/345 kV North Cambridge 509 Substation				
	345 kV Golden Hills -Mystic 389 (x&y) line				
	West Medway 345 kV breaker				
	115 kV Millbury-Medway 201 line				
	HQ Phase II - AC in MA	0	2,082	0	2,082
	345 kV "stabilizer" 342 line				
	345 kV Walpole - Medway 325 line				
	345 kV Carver - Walpole 331 line				
345 kV Jordan Rd - Canal 342 line					
CEC	Second Canal line				
	345 kV Pilgrim-Bridgewater - 355 line				
	345 kV Myles Standish - Canal 342 line				
CMP	345 kV Buxton-South Gorham 386 line	0	0	0	0
	115 kV Wyman 164-167 lines	0	0	0	0
	115 kV Maine Yankee transmission				
EUA	345 kV Carver - Walpole 331 line				
	345 kV Medway - Bridgewater 344 Line				
	Northern Rhode Island transmission				
NEP	Chester SVC	0	11,278	0	11,278
	Comerford 115 kV Substation				
	345 kV Sandy-Tewksbury 337 line				
	345 kV Tewksbury-Woburn 338 line				
	115 kV Tewksbury - Woburn M139 line				
	115 kV Tewksbury - Woburn N140 line				
	Moore 115 kV Substation				
	HQ Phase II - AC in MA	0	26,632	0	26,632
	345 kV Golden Hills-Mystic 349 line				
	345 kV NH/MA border-Tewksbury 394 line				
115 kV Read - Washington V148 line					
NU	345 kV 363, 369 and 394 Seabrook lines				
	Fairmont 115 kV Substation				
	345 kV Millstone-Manchester 310 line				
	UI Substations				
	Black Pond				
Total =		0	39,992	0	39,992

Amount by which Support Expense exceeds Support Rev 39,992
 (To Worksheet 3, Line 21, Column 5)

**Summary of Fitchburg Gas and Electric Light Company System
Monthly Coincident Peaks for 2013
(Megawatts)
PRE-1997**

Shading denotes an input

	JAN '13	FEB '13	MAR '13	APR '13	MAY '13	JUN '13	JUL '13	AUG '13	SEP '13	OCT '13	NOV '13	DEC '13
Day	23	4	4	2	31	24	18	21	11	30	25	17
Hour	18:00	18:00	18:00	20:00	16:00	17:00	15:00	16:00	19:00	18:00	18:00	17:00
FG&E	78	74	68	64	74	87	94	77	86	67	73	83

Annual FG&E System Average 12 CP Load 77

NOTE: Numbers represent FERC Form 1 Pages 401/401b coincident peaks.

Fitchburg Gas and Electric Light Company
Annual Revenue Requirements of PTF Facilities
for costs in 2013
POST-1996

Shading denotes an input

		Attachment F				
Line No.	I. INVESTMENT BASE	Reference	Post-1996	Post-2003	Total	Reference
		<i>Section:</i>				
1	Transmission Plant	(A)(1)(a)	3,633,238	3,467,346		Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	96,440	n/a		Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	n/a		Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		3,729,678	3,467,346		
5	Accumulated Depreciation	(A)(1)(d)	1,384,727	1,321,499 (1)		Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	694,615	631,042 (2)		Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	n/a		Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	163,644	n/a		Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		1,813,980	1,514,805		
10	Prepayments	(A)(1)(h)	64,627	n/a		Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	34,444	n/a		Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	13,484	n/a		Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		1,926,535	1,514,805		
	II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	(A)	249,442	0 (3)	249,442	Worksheet 2, Worksheet 2a
15	Depreciation Expense	(B)	103,279		103,279	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0		0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0		0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	44,438		44,438	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	1,911		1,911	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	24,181		24,181	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	83,693		83,693	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0		0	Worksheet 7
23	Transmission Support Revenue	(J)	0		0	Worksheet 7
24	Transmission Support Expense	(K)	0		0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0		0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0		0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0		0	
28	Transmission Rents Received from Electric Property	(O)	0		0	
29	Total Revenue Requirements (Line 14 thru 28)		506,944	0	506,944	

(1) Worksheet 3, Line 7, Column 3 x Post-03 PTF Allocation Factor, Worksheet 5, Line 3.

(2) See Workpaper 5.

(3) No eligible projects for the 100 basis point adder.

Fitchburg Gas and Electric Light Company
Forecasted Revenue Requirements of PTF Facilities

PTF Revenue Requirements

Worksheet 1a

Sheet: Worksheet 1a

POST-2003

Shading denotes an input

Line No.	I. <u>FORECASTED TRANSMISSION REVENUE REQUIREMENTS</u>	Period	Attachment F	FG&E	Reference
			Reference		
			Section:		
1	Forecasted Transmission Plant Additions	2014	Appendix C	\$107,374	Worksheet 1, Page 8
2	Carrying Charge Factor		Appendix C	13.95%	
3	Total Forecasted Revenue Requirements (Lines 1*2)			<u>\$14,982</u>	
II. <u>CARRYING CHARGE FACTOR</u>					
4	Investment Return and Income Taxes		(A)	\$249,442	Worksheet 1, line 14
5	Depreciation Expense		(B)	\$103,279	Worksheet 1, line 15
6	Amortization of Loss on Reacquired Debt		(C)	\$0	Worksheet 1, line 16
7	Investment Tax Credit		(D)	\$0	Worksheet 1, line 17
8	Property Tax Expense		(E)	\$44,438	Worksheet 1, line 18
9	Payroll Tax Expense		(F)	\$1,911	Worksheet 1, line 19
10	Operation & Maintenance Expense		(G)	\$24,181	Worksheet 1, line 20
11	Administrative & General Expense		(H)	<u>\$83,693</u>	Worksheet 1, line 21
12	Total Expenses (Lines 4 thru 11)			\$506,944	
13	PTF Transmission Plant		(A)(1)(a)	<u>\$3,633,238</u>	Worksheet 5, Line 1, Pre-2004 plus Post-2003
14	Carrying Charge Factor (Lines 12/13)			<u>13.95%</u>	

Fitchburg Gas and Electric Light Company
Transmission Revenue Requirements of PTF Facilities

PTF Revenue Requirements
Worksheet 1b

Sheet: Worksheet 1b

2013 True-up
POST-2003

Line No.	I. <u>ANNUAL TRUE-UP PER ATTACHMENT F</u>	<u>Period</u>	Attachment F Reference Section:	FG&E		<u>Reference</u>
				Pre-97	Post 96	
1	Transmission Revenue Requirements (as billed)	6/13 - 5/14		\$ 259,575	\$ 642,772	ATRR - Prior Year Voting Share (e), (j)
2	True-up 2013 Actual Annual RR			\$ 211,988	\$ 506,944	
3	Over/(Under) (Line 1 - Line 2)			\$ 47,587	\$ 135,828	
4	Over/(Under) June 1, 2013 - May 31, 2014			\$ 47,587	\$ 135,828	

**Fitchburg Gas and Electric Light Company
 FERC Interest Calculation associated with Under / (Over)
 Transmission Revenue Requirements of PTF Facilities
 PRE-1997**

		Under / (Over)
PRE97	\$	(47,587)
Post 1996	\$	(135,828)

<u>Initial Billing Period</u>		<u>PRE97 Balance</u>	<u>Post 1996 Balance</u>	<u>Monthly Interest Rate</u>		<u>PRE97 Interest</u>	<u>Post 1996 Interest</u>
June 2013	\$	(47,587)	\$ (135,828)	0.27%	\$	(128)	\$ (367)
July 2013	\$	(47,716)	\$ (136,195)	0.28%	\$	(134)	\$ (381)
August 2013	\$	(47,716)	\$ (136,195)	0.28%	\$	(134)	\$ (381)
September 2013	\$	(47,716)	\$ (136,195)	0.27%	\$	(129)	\$ (368)
October 2013	\$	(48,112)	\$ (137,325)	0.28%	\$	(135)	\$ (385)
November 2013	\$	(48,112)	\$ (137,325)	0.27%	\$	(130)	\$ (371)
December 2013	\$	(48,112)	\$ (137,325)	0.28%	\$	(135)	\$ (385)
January 2014	\$	(48,511)	\$ (138,465)	0.28%	\$	(136)	\$ (388)
February 2014	\$	(48,511)	\$ (138,465)	0.25%	\$	(121)	\$ (346)
March 2014	\$	(48,511)	\$ (138,465)	0.28%	\$	(136)	\$ (388)
Apr-2014	\$	(48,904)	\$ (139,587)	0.27%	\$	(132)	\$ (377)
May-2014	\$	(48,904)	\$ (139,587)	0.28%	\$	(137)	\$ (391)
			Total Interest		\$	(1,586)	\$ (4,526)
			True-Up		\$	(47,587)	\$ (135,828)
			Total True-Up & Interest		\$	(49,173)	\$ (140,354)

Fitchburg Gas and Electric Light Company
Annual Revenue Requirements
for costs in 2013
POST-1996

Shading denotes an input

	<u>CAPITALIZATION</u> <u>12/31/13*</u>	<u>CAPITALIZATION</u> <u>RATIOS</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>EQUITY</u> <u>PORTION</u>
LONG-TERM DEBT	\$ 68,100,000	51.19%	6.99%	3.58%	
PREFERRED STOCK	\$ 0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	\$ 64,923,997	48.81%	11.64%	5.68%	5.68%
TOTAL INVESTMENT RETURN	\$ <u>133,023,997</u>	<u>100.00%</u>		<u>9.26%</u>	<u>5.68%</u>

*See Workpaper 2

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0926

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

$$= \left(\frac{0.0568 + \left(\frac{0 + 396}{1,926,535} \right)}{1} \right) \times \frac{0.34}{0.34}$$
 = 0.0293665

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

$$= \left(\frac{0.0568 + \left(\frac{0 + 396}{1,926,535} \right)}{1} \right) + \frac{0.0293665}{0.08} \times 0.08$$
 = 0.0075106

(a)+(b)+(c) **Cost of Capital Rate** = 0.1294771

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 1,926,535	From Worksheet 1, Line 13, Post-96
x Cost of Capital Rate	0.1294771	
= Investment Return and Income Taxes	<u>249,442</u>	To Worksheet 1

Fitchburg Gas and Electric Light Company
POST-1996

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
1	Transmission Plant		0		3,633,238	Line 1, Worksheet 5 Page 207.99g + (Page 201.3h + 201.6h - A/C 303 Common - Total A/C 310)*50.20% (d) See Workpaper 8
2	General Plant	6.1995% (a)	336,020	28.7007%	96,440	
3	Total (line 1+2)		336,020		3,729,678	
4	Transmission Plant Held for Future Use		0	28.7007%	0	Page 214
5	Transmission Accumulated Depreciation		4,699,686	28.7007%	1,348,843	Page 219.25b (1) Page 219.28c (includes common allocated to electric) (2)
6	General Plant Accum. Depreciation	6.1995% (a)	125,028	28.7007%	35,884	
7	Total (line 5+6)		4,824,714		1,384,727	
8	Transmission Accumulated Deferred Taxes					
9	Accumulated Deferred Taxes (281-283)	10.2699% (c)	(2,430,597)	28.7007%	(697,598)	Page 273.8k + 275.2k + 277.3k, See Workpaper 3
10	Accumulated Deferred Taxes (190)	10.2699% (c)	10,395	28.7007%	2,983	Page 234.8c
11	Total (line 8+9)		(2,420,202)		(694,615)	
11	Transmission loss on Reacquired Deb	10.2699% (c)	0	28.7007%	0	Page 111.81c
12	Other Regulatory Assets					
12	FAS 106	6.1995% (a)	47,063	28.7007%	13,507	Page 232.17f
13	FAS 109	10.2699% (c)	523,112	28.7007%	150,137	Page 232.16f - 278.1f
14	Other Regulatory Liabilities (254.DK)	10.2699% (c)	0	28.7007%	0	
15	Total (line 12+13+14)		570,175		163,644	
16	Transmission Prepayments	6.1995% (a)	225,174	28.7007%	64,627	Page 111.57c *p.200.8.c/p.200.8.b
17	Transmission Materials and Supplies		120,012	28.7007%	34,444	Page 227.8c
18	Cash Working Capital					
19	Operation & Maintenance Expense				24,181	Worksheet 1, Line 20
20	Administrative & General Expense				83,693	Worksheet 1, Line 21
21	Transmission Support Expense				0	Worksheet 1, Line 24
22	Subtotal (line 19+20+21)				107,874	
23	Total (line 22 * line 23)				0.125	x 45 / 360
24	Total (line 22 * line 23)				13,484	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) 50.20% is FGE's gas and electric labor allocator used for allocating common plant. See Workpaper 4.

(1) Adjusted by \$33,554.42 to exclude prior period depreciation rate change.

(2) Adjusted by \$16,319.93 to exclude prior period depreciation rate change.

Fitchburg Gas and Electric Light Company PTF Revenue Requirements

Sheet: Worksheet 4

POST-1996

Worksheet 4 of 8

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
<u>Depreciation Expense</u>						
1	347,642		347,642	28.7007%	99,776	Page 336.7b
2	196,888	6.1995% (a)	12,206	28.7007%	3,503	Page 336.10b (includes common allocated to electric)
3			359,848		103,279	
4	0	10.2699% (c)	0	28.7007%	0	Page 117.64c
5	0	10.2699% (c)	0	28.7007%	0	Page 266.8f
<u>Property Taxes</u>						
6	1,507,645	10.2699% (c)	154,834	28.7007%	44,438	Page 263i, lines 9, 10, 11 & 16
7		6.1995% (a)	0	28.7007%	0	Page 262-263
8			154,834		44,438	
<u>Transmission Operation and Maintenance</u>						
9	7,169,705		7,169,705	28.7007%	2,057,756	Page 321.112b
10	6,857,446		6,857,446	28.7007%	1,968,135	Page 321.96b
11	228,007		228,007	28.7007%	65,440	Page 321.84b to 321.88b
12	0		0	28.7007%	0	Page 321.93b & .98b
13	84,252		84,252	28.7007%	24,181	
<u>Transmission Administrative and General</u>						
14	4,960,299					Page 323.197b
15	39,507					Page 323.185b
16	392,636					Page 323.189b
17	0					Page 323.191b
18	4,528,156	6.1995% (a)	280,723	28.7007%	80,569	
19	39,507	10.2699% (c)	4,057	28.7007%	1,164	
20	6,830		6,830	28.7007%	1,960	Page 351.6h
21	0	10.2699% (c)	0	28.7007%	0	
22	4,574,493		291,610		83,693	
23	107,395	6.1995% (a)	6,658	28.7007%	1,911	Footnote (d)
(a) Worksheet 5 of 8, line 11						
(b) Worksheet 5 of 8, line 3						
(c) Worksheet 5 of 8, line 16						
(d) Payroll taxes FERC Form 1, page 263.i ,263.1i						
	1,395					Page 263.4i
	198,197					Page 263.2i
	0					
	11,270					Page 263.6i
	2,078					Page 263.8i
	(105,545)					Page 263.15i
Total	107,395	To Line 23				

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

POST-1996

Shading denotes an input

Line No.		Post-1996	Post-2003	Total Post-96	FERC Form 1 Reference
<u>PTF Transmission Plant Allocation Factor</u>					
1	PTF Transmission Investment	165,892	3,467,346	3,633,238	See Workpaper 1
2	Total Transmission Investment	12,659,061	12,659,061	12,659,061	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	<u>1.3105%</u>	<u>27.3902%</u>	<u>28.7007%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>					
4	Direct Transmission Wages and Salaries	47,639			Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	0			Worksheet 6 of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	<u>47,639</u>			
7	Total Wages and Salaries	797,046			Page 354.28b + Line 5
8	Administrative and General Wages and Salaries	28,608			Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0			Worksheet 6 of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	<u>768,438</u>			
11	Percent Allocation (Line 6/Line 10)	<u>6.1995%</u>			
<u>Plant Allocation Factor</u>					
12	Total Transmission Investment	12,659,061			Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	336,020			Worksheet 3, Line 2, col.(3)
14	= Revised Numerator (Line 12 + Line 13)	<u>12,995,081</u>			
15	Total Plant in Service	126,535,263			Page 207.104g + Total Common Plant Allocated to Electric, See Workpaper 8
16	Percent Allocation (Line 14 / Line 15)	<u>10.2699%</u>			

Affiliated Company Wages and Salaries POST-1996

Shading denotes an input

Line	Post-1996	
"Affiliated" Transmission Wages and Salaries #560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10 Total Transmission		0
12 = Total "Affiliated" Wages and Salaries		0
Less "Affiliated" Administrative and General Salaries #920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21 Total "Affiliated" less A&G		0

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FG&E		TOTAL	
		Revenues (a)	Expenses (b)	Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line				
	115 kV Somerville 402 Substation				
	115/345 kV North Cambridge 509 Substation				
	345 kV Golden Hills -Mystic 389 (x&y) line				
	West Medway 345 kV breaker				
	115 kV Millbury-Medway 201 line				
	HQ Phase II - AC in MA				
	345 kV "stabilizer" 342 line				
	345 kV Walpole - Medway 325 line				
	345 kV Carver - Walpole 331 line				
	345 kV Jordan Rd - Canal 342 line				
CEC	Second Canal line				
	345 kV Pilgrim-Bridgewater - 355 line				
	345 kV Myles Standish - Canal 342 line				
CMP	345 kV Buxton-South Gorham 386 line				
	115 kV Wyman 164-167 lines				
	115 kV Maine Yankee transmission				
EUA	345 kV Carver - Walpole 331 line				
	345 kV Medway - Bridgewater 344 Line				
	Northern Rhode Island transmission				
NEP	Chester SVC				
	Comerford 115 kV Substation				
	345 kV Sandy-Tewksbury 337 line				
	345 kV Tewksbury-Woburn 338 line				
	115 kV Tewksbury - Woburn M139 line				
	115 kV Tewksbury - Woburn N140 line				
	Moore 115 kV Substation				
	HQ Phase II - AC in MA				
	345 kV Golden Hills-Mystic 349 line				
	345 kV NH/MA border-Tewksbury 394 line				
115 kV Read - Washington V148 line					
NU	345 kV 363, 369 and 394 Seabrook lines				
	Fairmont 115 kV Substation				
	345 kV Millstone-Manchester 310 line				
	UI Substations				
	Black Pond				
Total =		0	0	0	0

Amount by which Support Expense exceeds Support Revenue 0
(To Worksheet 3, Line 21, Column 5)

**Summary of Fitchburg Gas and Electric Light Company System
Monthly Coincident Peaks for 2013
(Megawatts)
POST-1996**

Shading denotes an input

	JAN '13	FEB '13	MAR '13	APR '13	MAY '13	JUN '13	JUL '13	AUG '13	SEP '13	OCT '13	NOV '13	DEC '13
Day	23	4	4	2	31	24	18	21	11	30	25	17
Hour	18:00	18:00	18:00	20:00	16:00	17:00	15:00	16:00	19:00	18:00	18:00	17:00
FG&E	78	74	68	64	74	87	94	77	86	67	73	83

Annual FG&E System Average 12 CP Load 77

NOTE: Numbers represent FERC Form 1 Pages 401/401b coincident peaks.

Date	Description	In Service	Value	Classification	PTF	Non-PTF		PTF XMFR		Non-PTF XMFR		Common
						1	2	3	4	5		
Nov-05	Labor for wiring	Aug-90	(124.20)	5	0	0	0	0	0	0	0	-124.20
Nov-05	Retire 'Install GETEC Telemetry to REMVAC (Liabilities)	Aug-90	(422.31)	5	0	0	0	0	0	0	0	-422.31
Nov-05	Retire Overheads	Aug-90	(6,638.54)	5	0	0	0	0	0	0	0	-6638.54
Nov-05	Retire 'Payroll	Aug-90	(8,030.61)	5	0	0	0	0	0	0	0	-8030.61
Nov-05	Retire Duct Tone Receivers Installed	1978	(\$447.00)	1	-447.00	0	0	0	0	0	0	0
Nov-05	Retire B166 Emergency Power Option #CT 1009-0	1978	(\$102.00)	1	-102.00	0	0	0	0	0	0	0
Nov-05	Retire Data Star Recorders	Feb-87	(3,780.00)	5	0	0	0	0	0	0	0	-3780.00
Nov-05	Retire Installed Data Ster REcorder Software Level #2	Mar-87	(750.00)	5	0	0	0	0	0	0	0	-750.00
Nov-05	Retire Payroll & overheads for above install	1987	(1,014.38)	5	0	0	0	0	0	0	0	-1014.38
Nov-05	Retire 500' 4/C #12 AWG Control Cable	Aug-90	(1,142.10)	5	0	0	0	0	0	0	0	-1142.10
Nov-05	Retire 50' 1/2 watt precision resistors	Aug-90	(41.39)	5	0	0	0	0	0	0	0	-41.39
Nov-05	Retire 350' T&B Stakon Terminals	Aug-90	(86.45)	5	0	0	0	0	0	0	0	-86.45
Nov-05	Retire 69' Copper Wire	Aug-90	(10.35)	5	0	0	0	0	0	0	0	-10.35
Nov-05	Retire Cable Tie	Aug-90	(17.55)	5	0	0	0	0	0	0	0	-17.55
Nov-05	Retire Misc Parts	Aug-90	(52.76)	5	0	0	0	0	0	0	0	-52.76
Nov-05	Retire 'Bristol DPC 333010A computer	Aug-90	(4,230.71)	5	0	0	0	0	0	0	0	-4230.71
Nov-05	Retire Bristol SLC 371140A Recorders	Aug-90	(5,771.41)	5	0	0	0	0	0	0	0	-5771.41
Nov-05	Retire Bristol Power Supply	Aug-90	(515.05)	5	0	0	0	0	0	0	0	-515.05
Nov-05	Retire Labor to set up Bristol	Aug-90	(2,355.00)	5	0	0	0	0	0	0	0	-2355
Dec-06	Retired used Auto Transformer 24/40 mva Magntek	1992	(200,032.04)	4	0	0	0	0	0	-200,032.04	0	0
Jul-08	Retire Deadend Structure 3-arrestors & 6-bushings	1994	(30,233.66)	5	0	0	0	0	0	0	0	-30233.66
Dec-12	Retire 115kv breaker status for REMVEC	Oct-82	(14,556.40)	1	(14,556.40)	0.00	0	0	0	0	0	0
Dec-12	Retire 69kv 1200amp bushing in OCB	Aug-91	(2,405.57)	2	0.00	(2,405.57)	0	0	0	0	0	0
Oct-13	Foundation for OCB 09/01/2013 00:00:00	Jul-67	(1,661.00)	1	(1,661.00)	0.00	0	0	0	0	0	0
Oct-13	2 - GE 1200 amp 14.4KV oil Circuit Breaker	Jul-65	(2,682.75)	1	(2,682.75)	0.00	0	0	0	0	0	0
Nov-13	115-69 KV #1 Autotransformer (less insurance recovery)		(14,079.34)	1	(14,079.34)	0.00	0	0	0	0	0	0
Total Pre-97 PTF			3,224,156.31		1,169,410.21	596,363.34	0.00	1,377,877.70		80,505.06		
Nov-97	69kv Post Insulators		7,125.43	2	0	7125.43	0	0	0	0	0	0
Feb-98	Install Metering & Test Switches		8,836.13	5	0	0	0	0	0	0	8836.13	0
Mar-98	Install Lightning Arrester #1 Auto		1,990.46	2	0	1990.46	0	0	0	0	0	0
Mar-98	Repl Autotransformer 69kv Disconnect Switches		14,416.88	2	0	14416.88	0	0	0	0	0	0
Apr-98	Additional charges for above		3,799.62	2	0	3799.62	0	0	0	0	0	0
Apr-98	Install new Ammeters on Auto #1 & Auto #2		3,414.14	5	0	0	0	0	0	0	3414.14	0
May-98	40kA interrupting rated breaker w/disconnect switch		71,361.36	2	0	71361.36	0	0	0	0	0	0
Nov-98	Voltage Potential Transformer		6,864.00	5	0	0	0	0	0	0	6864.00	0
May-99	Southern States TA-OC 69kV 1200A Switch		19,419.24	2	0	19419.24	0	0	0	0	0	0
Dec-99	UV Relay installed		605.13	2	0	605.13	0	0	0	0	0	0
Mar-00	Modifications for 3rd 69kV line to River St S/S		162,000.94	2	0	162000.94	0	0	0	0	0	0
Apr-00	Dead Station Tripping Scheme		2,212.64	5	0	0	0	0	0	0	2212.64	0
Aug-00	Replace 02 line ground relays		7,085.89	2	0	7085.89	0	0	0	0	0	0
Aug-00	Additional charges for modifications for 3rd line		9,717.74	2	0	9717.74	0	0	0	0	0	0
Oct-02	Replace #5 Bushing on 7A1 Oil Circuit Breaker		7,705.53	2	0	7705.53	0	0	0	0	0	0
Nov-02	Install Spare PT s/n 1024577		26,749.83	2	0	26749.83	0	0	0	0	0	0
Nov-02	Purchase spare PT JVZ350VT 350/600 s/n 1890057484		9,479.40	2	0	9479.40	0	0	0	0	0	0
Feb-03	Installation cost for Spare Bushing #5 (C-9293)		7,268.29	2	0	7268.29	0	0	0	0	0	0
Mar-03	Cable Trenches and Conduit for new Control House		95,020.03	5	0	0	0	0	0	0	95020.03	0
Mar-03	Installation of cable trench for new Control House		113,635.68	5	0	0	0	0	0	0	113635.68	0
Nov-05	Retire UV Relay Installed	Dec-99	(605.13)	2	0	-605.13	0	0	0	0	0	0
Nov-05	Retire Dead Station Tripping Scheme	Apr-00	(2,212.64)	5	0	0	0	0	0	0	0	-2212.64
Nov-05	Retire Replace 02 line ground relays	Aug-00	(7,085.89)	2	0	-7085.89	0	0	0	0	0	0
Dec-06	Repl Autotransformer 69kv Disconnect Switches	1997	(14,416.88)	2	0.00	-14,416.88	0.00	0.00	0.00	0.00	0.00	0.00
Dec-06	Repl Autotransformer 69kv Disconnect Switches additional chgs	1997	(3,799.62)	2	0	-3799.62	0	0	0	0	0	0
Total POST-96 PTF			\$550,588.20		\$0.00	\$322,818.22	\$0.00	\$0.00	\$227,769.98			

Date	Description	In Service	Value	Classification	PTF	Non-PTF	PTF XMFR	Non-PTF XMFR	Common
					1	2	3	4	5
Jan-04	Replace 69Kv Pin & Cap Insulator		529.89	2	0	529.89	0	0	0
Nov-05	FGE Control House Project (PTF)(See page 4 for detail)		438,483.13	1	438483.13	0	0	0	0.00
Nov-05	FGE Control House Project (Non-PTF) (See page 5 for detail)		574,504.78	2	0	574504.78	0	0	0.00
Dec-06	#1 AutoTransformer Install 169 grd oper 69kv airbrake switch		21,720.43	2	0	21720.43	0	0	0.00
Dec-06	Purchase new Spare Auto Transformer 60/80/100MVA		959,517.11	4	0	0	0	959517.11	0.00
Dec-06	Foundation for Spare Auto Transformer		31,222.40	4	0	0	0	31222.40	0.00
Aug-07	Purchase & Install Battery Monitoring System - 115kV		11,450.47	1	11450.47	0	0	0	0.00
Aug-07	Purchase & Install Battery Monitoring System - 69kV		11,450.48	2	0	11450.48	0	0	0.00
Sep-07	Installation of Yard Lighting (PTF) (See page 6 for detail)		21,239.46	1	21239.46	0	0	0	0.00
Sep-07	Installation of Yard Lighting (Non-PTF) (See page 6 for detail)		21,239.41	2	0	21239.41	0	0	0.00
Nov-07	Labor Cost to install replacement line back-up relays - 115kV	2006	18,753.78	1	18753.78	0	0	0	0.00
Dec-07	Labor Cost to install replacement line back-up relays - 69kV	2006	18,753.78	2	0	18753.78	0	0	0.00
Oct-08	Labor and Materials to Install anchors & guys to support buss work 69kV		5,870.49	2	0	5870.49	0	0	0.00
	Labor and Materials to upgrade and withstand additional load related to NGrid								
Mar-10	conductor replacement		29,891.16	1	29891.16	0	0	0	0.00
Mar-10	Capacitor Voltage Transformer 115kv		\$18,731.61	1	18731.61	0	0	0	0.00
Jul-11	Electric Plant Acquisition Adjustment		\$122,600.09	5	0	0	0	0	122,600.09
Dec-12	Protection Relay (Modify J136N Line)		\$18,121.88	1	18121.88	0	0	0	0.00
Dec-12	Breaker Failure (135N Line Relay, Fitzwilliam Project)		\$40,543.14	1	40543.14	0	0	0	0.00
Dec-12	Setting new anchor and taps pm 69 lv Bus Section		\$16,719.33	2	0	16719.33	0	0	0.00
Dec-12	8B2 Bushing Replacement		(\$18,794.09)	1	-18794.09	0	0	0	0.00
Dec-12	115 kv Switch contacts		\$25,847.93	1	25847.93	0	0	0	0.00
Dec-13	Modification of CT Wiring		\$141,568.78	1	141568.78	0	0	0	0.00
Oct-13	Capacitor Voltage Transformer		\$15,601.16	1	15601.16	0	0	0	0.00
Nov-13	Replace (2) Sub Station Batteries		\$11,441.60	2	0	11441.6	0	0	0.00
Nov-13	Spare 115kV Breaker		\$120,788.74	1	120788.74	0	0	0	0.00
Nov-13	Upgrade 115kV Ring Bus		\$2,377,473.75	1	2377473.75	0	0	0	0.00
Dec-13	Replace 2 of the 8B2 breaker bushings 115kV		\$94,804.40	2	0	94804.4	0	0	0.00
Oct-13	40W39 Breaker		\$99,953.25	1	99953.25	0	0	0	0.00
Oct-13	Foundation for 40W39 Breaker		\$18,435.04	1	18435.04	0	0	0	0.00
Nov-13	Misc Electrical Materials 8/1/2013 00:00:00	Jul-04	(\$18.22)	1	(18.22)	0	0	0	0.00
Nov-13	Misc Electrical Materials 8/1/2013 00:00:00	Jul-04	(\$18.22)	1	(18.22)	0	0	0	0.00
Total Post-03 PTF			\$5,268,426.94		\$3,378,052.75	\$777,034.59	\$0.00	\$990,739.51	\$122,600.09
PTF	4,547,462.96	\$	9,043,171.45		\$ 4,547,462.96	\$ 1,696,216.15	\$ -	\$ 2,368,617.21	\$ 430,875.13
non-PTF	1,696,216.15								
PTF Ratio	0.7283				72.83%	27.17%			

Pre-97 PTF	1,169,410	POST-96 PTF	-
XFRM Pre-97 PTF	-	XFRM POST-96 PTF	-
COMMON Pre-97 PTF	58,634	COMMON POST-96 PTF	165,892
Total Pre-97PTF	1,228,045	Total POST-96 PTF	165,892
POST-03 PTF	3,378,053		
XFRM POST-03 PTF	-		
COMMON POST-03 PTF	89,293		
Total POST-03 PTF	3,467,346		

Date	Description	Value	Classification
Nov-05	115 kv portion of control house		
Nov-05	ABB & Relaying portion Control House	\$65,060.87	1
Nov-05	Control Building w/12 relay panels	\$61,811.68	1
Nov-05	Detention Crane Charges	\$400.00	1
Nov-05	Heating element kit for Sun HVAC unit	\$65.15	1
Nov-05	RF45 8 Wire Modular Adapter	\$34.90	1
Nov-05	Router configuration	\$291.00	1
Nov-05	Construction overheads on above	\$38,299.08	1
Nov-05	<u>115 kv portion SCADA Equipment</u>		
Nov-05	ABB & Relaying portion Control House	\$2,439.13	1
Nov-05	Control Building w/12 relay panels	\$2,317.32	1
Nov-05	PowerEdge Server 600SC	\$1,061.95	1
Nov-05	XP Software	\$178.85	1
Nov-05	1kVA/800W Utility Inverter	\$632.00	1
Nov-05	Cisco Modem Router s/n SFHK072621U0	\$1,180.02	1
Nov-05	Cisco Modem Router s/n SFHK072621U0	\$1,180.02	1
Nov-05	Port 4 Wire WanInterface	\$540.00	1
Nov-05	Port 4 Wire WanInterface	\$581.78	1
Nov-05	DSU/CSUModule	\$729.95	1
Nov-05	TG5700 RTU	\$3,045.00	1
Nov-05	ESCA License	\$5,200.00	1
Nov-05	Misc Electrical Materials	\$18.22	1
Nov-05	Postage Charges	\$30.79	1
Nov-05	PC Modem, Termination Card, & Cable	\$195.30	1
Nov-05	Router configuration	\$291.00	1
Nov-05	Sundry Cash	(\$2,982.92)	1
Nov-05	Construction overheads	\$7,527.03	1
Nov-05	<u>115 kv portion Installation of Control House</u>		
Nov-05	Fuses	\$724.42	1
Nov-05	Cutouts	\$1,256.70	1
Nov-05	Bussman NTN-R30 Neutral	\$168.70	1
Nov-05	Labor	\$130,350.95	1
Nov-05	SWC Engineering Services	\$75.00	1
Nov-05	Construction Overheads	\$107,747.46	1
Nov-05	115 kv portion		
Nov-05	Switching - Company Labor	\$6,245.00	1
Nov-05	115 kv portion		
Nov-05	Witness factory testing	\$1,676.13	1
Nov-05	<u>115 kv portion Installation of Control House</u>		
Nov-05	Company Labor	\$97.92	1
Nov-05	<u>115 kv portion Installation of Control House</u>		
Nov-05	Late charges	\$12.73	1
Nov-05	Control House (PTF)	\$438,483.13	

Date	Description	Value	Classification
Nov-05	69 kv portion of control house purchase		
Nov-05	Detention Crane Charges	\$400.00	2
Nov-05	ABB & Relaying portion Control House	\$65,060.87	2
Nov-05	Control Building w/12 relay panels	\$61,811.68	2
Nov-05	Control Building	\$128,258.00	2
Nov-05	Heating element kit for Sun HVAC unit	\$65.15	2
Nov-05	RF45 8 Wire Modular Adapter	\$34.91	2
Nov-05	12 foot Wall Mount Enclosure (qty 2)	\$74.72	2
Nov-05	6 Port Panel Insert (qty 2)	\$41.50	2
Nov-05	Camlite Connectors (qty 24)	\$263.76	2
Nov-05	PVC (qty 1000)	\$617.18	2
Nov-05	Cash Reimbursement - Pine Tree Power Portion	(\$20,157.00)	2
Nov-05	Construction Overheads	\$77,536.77	2
Nov-05	<u>69 kv portion of SCADA Equipment</u>		
Nov-05	PowerEdge Server 600SC	\$1,061.95	2
Nov-05	XP Software	\$178.84	2
Nov-05	ABB & Relaying portion Control House	\$2,439.13	2
Nov-05	1kVA/800W Utility Inverter	\$632.00	2
Nov-05	Control Building w/12 relay panels	\$2,317.32	2
Nov-05	Cisco Modem Router s/n SFHK072621U0	\$1,180.02	2
Nov-05	Port 4 Wire WanInterface	\$270.00	2
Nov-05	DSU/CSUModule	\$729.95	2
Nov-05	ESCA License	\$5,200.00	2
Nov-05	Port 4 Wire WanInterface	\$581.79	2
Nov-05	TG5700 RTU	\$3,045.00	2
Nov-05	Misc Electrical Materials	\$18.22	2
Nov-05	Postage Charges	\$30.80	2
Nov-05	PC Modem, Termination Card, & Cable	\$195.30	2
Nov-05	Police Detail	\$139.00	2
Nov-05	Construction overheads	\$6,715.20	2
Nov-05	<u>69 kv portion Installation of Control House, etc.</u>		
Nov-05	SW&C Engineering Services	\$75.00	2
Nov-05	current limiting fuses	\$197.81	2
Nov-05	fuses	\$353.66	2
Nov-05	Bussman NTN-R30 Neutral	\$168.70	2
Nov-05	fuse link	\$8.85	2
Nov-05	Labor	\$135,238.28	2
Nov-05	Misc Dumpster Charges	\$90.78	2
Nov-05	Cash Reimbursement - Pine Tree Power Portion	(\$13,250.00)	2
Nov-05	Construction Overheads	\$109,905.29	2
Nov-05	69 kv portion		
Nov-05	Switching - Company Labor	\$1,298.22	2
Nov-05	69 kv portion		
Nov-05	Witness factory testing	<u>\$1,676.13</u>	2
Nov-05	Control House (Non-PTF)	<u>\$574,504.78</u>	
	Total Control House Project Cost	\$1,012,987.91	

Fitchburg Gas and Electric Light Company
Detail of Installation of Yard Lighting - 2007

Date	Description	Value	Classification
Sep-07	115 kv portion - Installation of Yard Lighting:		
Sep-07	Contract Labor	5,046.89	1
Sep-07	Company Labor & Transportation	157.89	1
Sep-07	2000 ft. 3C/#10 Tray Cable	1,035.00	1
Sep-07	Pipe, boxes, switches, breakers, marking tape	483.00	1
Sep-07	Other Materials - connections & hardware	43.13	1
Sep-07	8 - 400 watt HPS Floodlights	3,012.67	1
Sep-07	4 - light poles (plastic)	0.00	1
Sep-07	Circuit Breaker	3.55	1
Sep-07	Construction Overheads	<u>11,457.33</u>	1
	Yard Lighting (PTF)	21,239.46	
Sep-07	69 kv portion - Installation of Yard Lighting:		
Sep-07	Contract Labor	5,046.88	2
Sep-07	Company Labor & Transportation	157.88	2
Sep-07	2000 ft. 3C/#10 Tray Cable	1,035.00	2
Sep-07	Pipe, boxes, switches, breakers, marking tape	483.00	2
Sep-07	Other Materials - connections & hardware	43.12	2
Sep-07	8 - 400 watt HPS Floodlights	3,012.67	2
Sep-07	4 - light poles (plastic)	0.00	2
Sep-07	Circuit Breaker	3.54	2
Sep-07	Construction Overheads	<u>11,457.32</u>	2
	Yard Lighting (Non-PTF)	<u>21,239.41</u>	
	Total Yard Lighting Cost	42,478.87	

Fitchburg Gas and Electric Light Company
2014 Estimated PTF Plant Additions

Date	Description	Value	Classification	PTF				
				1	2	3	4	5
Post 2005								
Est. 2014	Install Security at Flagg Pond Substation	\$65,507	5	\$0	\$0	\$0	\$0	\$65,507
Est. 2014	Flagg Pond - Lightning Protection	\$235,627	2	\$0	\$235,627	\$0	\$0	\$0
Est. 2014	Flagg Pond - Cutover to ACS SCADA System	\$81,924	5	\$0	\$0	\$0	\$0	\$81,924
Est. 2014	Flagg Pond Substation - Modify CT Wiring (69 kV portion)	\$10,000	2	\$0	\$10,000	\$0	\$0	\$0
Est. 2014	Replace Shield Wire - 01 Line Flagg to Summer	\$419,134	2	\$0	\$419,134	\$0	\$0	\$0
Est. 2014	Replace Shield Wire 01/02 Beech Street	<u>\$298,270</u>	<u>2</u>	<u>\$0</u>	<u>\$298,270</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total		\$1,110,462		\$0	\$963,031	\$0	\$0	\$147,431
PTF Ratio (See page 3)								72.83%
PTF Estimated Additions:								\$107,374

WORKPAPER 2
Fitchburg Gas and Electric Light Company
2013 Cost of Capital

	<i>Amount Outstanding 12/31/13</i>	<i>C.O.C.</i>	<i>Weight</i>	<i>Weighted Cost of Capital</i>
Common Stock Equity	\$64,923,997	11.64%	48.81%	5.68%
Long Term Debt	68,100,000	6.99%	51.19%	3.58%
Total	\$133,023,997			9.26%

Common Equity

Common Stock	\$22,627,257
Retained Earnings	12,803,823
Capital Stock Expense	(1,507,083)
Misc. Paid in Capital	31,000,000
Total	\$64,923,997

Long Term Debt

Series		<i>Amount Outstanding 12/31/13</i>	<i>Annual Issuance Expense</i>	<i>Annual Interest Expense</i>	<i>Total Annual Cost</i>	<i>Effective Cost %</i>
30 Year Note, due Nov 30, 2023	6.75%	17,100,000	10,671	1,154,250 (1)	1,164,921	6.81%
30 Year Note, due Jan 15, 2029	7.37%	12,000,000	3,279	884,400	887,679	7.40%
30 Year Note, due Jun 1, 2031	7.98%	14,000,000	11,857	1,117,200	1,129,057	8.06%
22 year Notes, due Oct 15, 2025	6.79%	10,000,000	7,851	679,000	686,851	6.87%
25 year Notes, due Dec 15, 2030	5.90%	15,000,000	9,221	885,000	894,221	5.96%
Total		\$68,100,000	\$42,879	\$4,719,850	\$4,762,729	6.99%

(1) Proformed interest, outstanding balance reduction in 2013.

Workpaper 3
 Fitchburg Gas and Electric Light Company
 Accumulated Deferred Income Tax

		<u>2013</u>	
1. Account 281	Accumulated Deferred Income Taxes - Accelerated Amortization Property	\$	- FF1, Page 273.8k
2. Account 282	Accumulated Deferred Income Taxes - Other Property	\$	22,433,476 FF1, Page 275.2k
3. Account 283	Account 283 - Electric	\$	560,530 FF1, Page 277.3k
5. Account 283	Less FAS 158	\$	(5,978,607)
6. Account 283	Less Storm Restoration	\$	5,305,423
		\$	<u>23,667,190</u> Worksheet 3, Line 8

Detail for Lines 4, 5 and 6. Source: accounting records.

	<u>Electric</u>	<u>Gas</u>	<u>Total</u>
Def FIT FAS 158 SERP	\$ (242,010)	\$ (241,150)	\$ (483,160)
Def SIT FAS 158 SERP	\$ (66,125)	\$ (65,889)	\$ (132,014)
Def FIT FAS 158 Pension	\$ (2,862,969)	\$ (2,888,632)	\$ (5,751,601)
Def SIT FAS 158 Pension	\$ (640,215)	\$ (645,291)	\$ (1,285,506)
Def FIT FAS 158 PBOP	\$ (1,763,521)	\$ (1,771,855)	\$ (3,535,376)
Def SIT FAS 158 PBOP	\$ (403,767)	\$ (405,383)	\$ (809,150)
	<u>Total FAS 158</u>	<u>\$ (5,978,607)</u>	<u>\$ (6,018,200)</u>
		<u>\$ (6,018,200)</u>	<u>\$ (11,996,808)</u>
Def FIT Storm Restoration	\$ 4,404,789	N/A	\$ 4,404,789
Def SIT Storm Restoration	\$ 900,634	N/A	\$ 900,634
	<u>Total Storm Restoration</u>		<u>\$ 5,305,423</u>
			<u>\$ 5,305,423</u>

Workpaper 4
 Fitchburg Gas and Electric Light Company
 Labor Allocator
 2012 percentages applicable to 2013 costs

	Gas	Electric	Total
Salaries & Wages - Operation & Maintenance			
Production - Maint	\$ 46,385	\$ 46,385	46,385
Production - Oper	155,154		155,154
Transmission - Maint		61,080	61,080
Transmission - Oper	4,543	26,177	30,720
Distribution - Maint	198,382	296,528	494,910
Distribution - Oper	436,055	408,821	844,876
Customer Accounting	31,787	17,581	49,369
Admin & General	23,982	33,118	57,100
Total - O&M Direct Labor	896,289	843,306	1,739,595
Construction			
Direct Payrol	484,147	480,595	964,743
Overhead Payrol	490,888	562,529	1,053,418
Total - Construction Direct Labor	975,036	1,043,125	2,018,160
Total Direct Labor	\$ 1,871,325	\$ 1,886,430	\$ 3,757,755
Labor Allocator	49.80%	50.20%	100.00%

Workpaper 5
 Fitchburg Gas and Electric Light Company
 Post-2003 Accumulated Deferred Income Tax

		<u>2013</u>	
Account 281	Accumulated Deferred Income Taxes - Accelerated Amortization Property	\$	- FF1, Page 273.8k
Account 282	Accumulated Deferred Income Taxes - Other Property	\$	<u>22,433,476</u> FF1, Page 275.2k
	Total Accounts 281, 282	\$	22,433,476
	Plant Allocation Factor		<u>10.2699%</u> Worksheet 5, Line 16
	Transmission Allocated (Total Accounts 281, 282 * Plant Allocation Factor)	\$	<u>2,303,896</u>
	Post-2003 PTF Transmission Plant Allocation Factor		27.3902% Worksheet 5, Line 3 - Column 2
	Post-2003 PTF Accumulated Deferred Income Tax	\$	631,042 Worksheet 1, Line 6

Workpaper 6
Fitchburg Gas and Electric Light Company
Transmission Support Payment Accounts

		<u>2013</u>		
20-20-13-00-565-75-00	BECO HQII - TRANSMISSION	\$ 2,082	Worksheet 7, BECo HQ Phase II - AC in MA	
20-20-13-00-565-76-00	NEP HQII - TRANSMISSION	\$ 26,632	Worksheet 7, NEP HQ Phase II - AC in MA	

NEW ENGLAND HYDRO-TRANSMISSION CORPORATION
HYDRO-QUEBEC PHASE II
CHESTER SVC FACILITY

	2013 ACTUAL CHESTER SVC COSTS		\$	2,597,923
<u>SUPPORTER</u>		SUPPORTER		
Fitchburg Gas and Electric Light Company		<u>SHARE</u>		
		0.4341%	\$	11,278 (1)

(1) Worksheet 7, NEP Chester SVC.
FG&E's accounting records do not provide sufficient level of detail. Data provided by NEP

Workpaper 7
 Fitchburg Gas and Electric Light Company
 Equity AFUDC Portion of Depreciation Expense

Source: Fixed Assets

	<u>Vintage</u>	<u>Cost</u>	<u>AFUDC</u>	<u>% to Total</u>
1	Prior to 2012	\$9,326,582	\$0	0.00%
2	2012	\$82,438	\$1,043	1.27%
3	2013	<u>\$2,905,915</u>	<u>\$46,186</u>	1.59%
4				
5	Total	\$12,314,935	\$47,229	0.38%
6				
7	Transmission Depreciation (Worksheet 4)			\$359,848
8				
9	Equity AFUDC Portion of Depreciation Expense (L.4 * L.6)			\$1,380
10				
11	Pre-97 PTF Allocation Factor (Worksheet 5)			9.7009%
12				
13	Pre-97 PTF Equity AFUDC Portion of Depreciation Expense (Worksheet 2) (L.8 * L.10)			\$134
14				
15	POST-96 PTF Allocation Factor (Worksheet 5)			28.7007%
16				
17	POST-96 PTF Equity AFUDC Portion of Depreciation Expense (Worksheet 2) (L.8 * L.14)			\$396

Workpaper 8
 Fitchburg Gas and Electric Light Compan
 General Plant

	<u>2013</u>	
1	General Plant	\$2,320,777
2		
3	Common Depreciable Plan	
4	Structures:	
5	390 STRUCTURES AND IMPROVEMENTS	\$580,022
6	390.2 IMPROV. TO LEASED SVC CENTER	<u>\$1,132,266</u>
7	TOTAL STRUCTURES	\$1,712,288
8		
9	General Plant:	
10	391 OFFICE FURNITURE	\$375,601
11	393 STORES EQUIPMENT	\$53,057
12	394 TOOLS, SHOP & GARAGE EQUIPMENT	\$169,351
13	396 POWER OPERATED EQUIPMENT	\$1,697
14	397 COMMUNICATION EQUIPMENT	\$1,867,191
15	398 MISC. EQUIPMENT	<u>\$85,590</u>
16	TOTAL GENERAL PLANT	\$2,552,487
17		
18	Transportation Equipment	
19	392 TRANSPORTATION EQUIPMENT	\$0
20		
21	Non-Depreciable Plant	
22	310 LAND AND RIGHTS - PRODUCTION PLANT	\$0
23	389 LAND AND RIGHTS - GENERAL PLNT	\$3,617
24	Amortizable Plant	
25	303 INTANGIBLE SOFTWARE	\$1,646,789
26	399 OTHER INTANGIBLE PLANT	\$1,905,458
27	390.1 SVC CNTR BLDG - CAP LEASE (101.10)	<u>\$0</u>
28	TOTAL COMMON NON-DEPRECIABLE	\$3,555,864
29		
		Sum: L. 7, 16, 19, & 28; ties to FF1,
30	Total Common Plant	\$7,820,639 Page 201.3h + 201.6h
31	Less: Account 303	(\$1,646,789) L. 25
32	Less: Account 310	<u>\$0</u> L. 22
33	Total Common, A/C 389 - 399	\$6,173,850 Sum: L. 30, 31, & 32
34	Labor Allocato	50.20% Workpaper 4
35	Total Common Plant Allocated to Electri	\$3,099,334 L. 33 *L. 34
36		
37	Total General Plant	\$5,420,111 L. 35 + L. 1, Worksheet 3, Line 2

Input Panel

Sheet: Input Panel

ISO-NE Tariff Billing
 PTO Annual Transmission Revenue Requirements
 per OATT Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on:	12-May-14
Revenue Requirements for (year):	Calendar Year 2013
Rates Effective for the period: through:	June 2014 May 2015
Customer:	Holyoke Gas & Electric Department
Customer ID:	44
Network Load ID:	73
Customer's NABS Number:	18
Name of Participant responsible for customer's billing:	Brian C. Beauregard
DUNs number of Participant responsible for customer's billing:	08-465-0050

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I =	991,439 (a)	1,748,289 (f)
Total of Attachment F - Section J - Support Revenue	0 (b)	0 (g)
Total of Attachment F - Section K - Support Expense	50,357 (c)	0 (h)
Total of Attachment F - Section (L through O)	(521) (d)	0 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	1,041,275 (e)=(a)-(b)+(c)+(d)	1,748,289 (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	N/A	102,998 (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	127,810 (l)	230,342 (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	1,169,086 (n)=(e)+(l)	2,081,628 (o)=(j)+(k)+(m)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements and True-ups (including interest)		3,250,714 (p)=(n)+(o)

PTO
FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities

1 2013 Est. Transmission Revenue Requirements (as billed)	6/13-05/14	Appendix C	Pre 1997	Post 1996	ATRR - Prior Year
2 2013 Actual Annual RR			917,587	1,525,376	
3 True-up Over/(Under) (Line 1 - Line 2)			1,041,275	1,748,289	Input Panel Subtotals
			-123,689	-222,913	

	Undercollection / (Overcollection)
PRE97	123,689
Post1996	\$222,913

Initial Billing Period	PRE97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE97 Interest	POST 1996 Interest
June 2013	\$ 123,689	222,913	0.27%	\$ 334	\$ 602
July 2013	\$ 124,023	223,515	0.28%	347	626
August 2013	\$ 124,023	223,515	0.28%	347	626
September 2013	\$ 124,023	223,515	0.27%	335	603
October 2013	\$ 125,052	225,370	0.28%	350	631
November 2013	\$ 125,052	225,370	0.27%	338	609
December 2013	\$ 125,052	225,370	0.28%	350	631
January 2014	\$ 126,090	227,241	0.28%	353	636
February 2014	\$ 126,090	227,241	0.25%	315	568
March 2014	\$ 126,090	227,241	0.28%	353	636
April 2014	\$ 127,111	229,082	0.27%	343	619
May 2014	\$ 127,111	229,082	0.28%	356	641
		Total Interest		\$ 4,122	\$ 7,428
		True-Up		\$ 123,689	\$ 222,913
		Total TU & Int		\$ 127,810	\$ 230,342

Holyoke Gas and Electric Department
Forecasted Transmission Revenue Requirements of PTF Facilities

POST-1996

Shading denotes an input

		Attachment F Reference Section:	HG&E	Reference
	I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS			
Line No.				
1	Forecasted Transmission Plant Additions	2014 Appendix C	\$448,750	
2	Carrying Charge Factor	Appendix C	22.95%	
3	Total Forecasted Revenue Requirements (Lines 1*2)		\$102,998	
	II. CARRYING CHARGE FACTOR			
4	Investment Return and Income Taxes	(A)	\$586,952	Worksheet 1a, line 14
5	Depreciation Expense	(B)	\$157,146	Summary, line 15
6	Amortization of Loss on Reacquired Debt	(C)	\$5,765	Summary, line 16
7	Investment Tax Credit	(D)	\$0	Summary, line 17
8	Property Tax Expense	(E)	\$182,321	Summary, line 18
9	Payroll Tax Expense	(F)	\$4,179	Summary, line 19
10	Operation & Maintenance Expense	(G)	\$462,380	Summary, line 20
11	Administrative & General Expense	(H)	\$328,745	Summary, line 21
12	Total Expenses (Lines 4 thru 11)		\$1,727,488	
13	PTF Transmission Plant	(A)(1)(a)	\$7,526,472	Summary, line 1
14	Carrying Charge Factor (Lines 12/13)		22.95%	

Holyoke Gas & Electric Department
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs as billed in 2013 06/13-05/14

Line No.	I. INVESTMENT BASE	Attachment F	Pre 1997	Post 1996	Reference
		Reference			
		Section:			
1	Transmission Plant	(A)(1)(a)	4,271,276	7,316,368	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	231,316	396,227	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		4,502,592	7,712,595	
5	Accumulated Depreciation	(A)(1)(d)	1,871,065	3,204,997	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	43,825	75,069	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		2,675,352	4,582,667	
10	Prepayments	(A)(1)(h)	738,478	1,264,959	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	89,043	152,524	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	51,099	78,702	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		3,553,972	6,078,852	
	II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	302,088	516,703	Worksheet 2
15	Depreciation Expense	(B)	51,066	87,473	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	43,825	75,069	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	103,287	176,924	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	1,512	2,590	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	195,731	335,274	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	171,836	294,341	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	0	Worksheet 7
22a	Share of Seabrook Transmission Revenue Requirement		7,828	20,037	From MMWEC Analysis of Holyoke's % Share
23	Transmission Support Revenue	(J)	0	0	Worksheet 7
24	Transmission Support Expense	(K)	41,223	0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(344)	0	NEPOOL Sch 1: ST Through and Out Revenues (TOUT Sch 1)
28	Transmission Rents Received from Electric Property	(O)	(465)	0	Page 37 line 18b * Actual number of Transmission poles
29	Total Revenue Requirements (Line 14 thru 28)		917,587	1,508,411	

Shading denotes an input

Line No.	I. INVESTMENT BASE	Attachment F	Holyoke	Reference
		Reference		
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	4,271,276	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	271,370	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		4,542,646	
5	Accumulated Depreciation	(A)(1)(d)	1,946,555	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	3,271	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		2,599,362	
10	Prepayments	(A)(1)(h)	1,177,190	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	86,103	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	62,410	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		3,925,065	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	333,631	Worksheet 2
15	Depreciation Expense	(B)	89,180	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	3,271	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	103,467	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	2,371	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	262,401	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	186,523	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
22a	Share of Seabrook Transmission Revenue Requirement		10,595	From MMWEC Analysis of Holyoke's % Share
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	50,357	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(30)	NEPOOL Sch 8: ST Through and Out Revenues (T)
28	Transmission Rents Received from Electric Property	(O)	(490)	Page 37 line 18b * Actual number of Trans
29	Total Revenue Requirements (Line 14 thru 28)		1,041,275	

Shading denotes an input

Line No.		Attachment F Reference	Holyoke	Reference
	<u>I. INVESTMENT BASE</u>			
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	7,526,472	Worksheet 3a, line 1 column 5
2	General Plant	(A)(1)(b)	478,186	Worksheet 3a, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3a, line 4 column 5
4	Total Plant (Lines 1+2+3)		8,004,658	
5	Accumulated Depreciation	(A)(1)(d)	3,430,055	Worksheet 3a, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3a, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	5,765	Worksheet 3a, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3a, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		4,580,368	
10	Prepayments	(A)(1)(h)	2,074,345	Worksheet 3a, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	151,723	Worksheet 3a, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	98,891	Worksheet 3a, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		6,905,327	
	<u>II. REVENUE REQUIREMENTS</u>			
14	Investment Return and Income Taxes	(A)	586,952	Worksheet 2a
15	Depreciation Expense	(B)	157,146	Worksheet 4a, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	5,765	Worksheet 4a, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4a, line 5 column 5
18	Property Tax Expense	(E)	182,321	Worksheet 4a, line 8 column 5
19	Payroll Tax Expense	(F)	4,179	Worksheet 4a, line 17 column 5
20	Operation & Maintenance Expense	(G)	462,380	Worksheet 4a, line 13 column 5
21	Administrative & General Expense	(H)	328,745	Worksheet 4a, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
22a	Share of Seabrook Transmission Revenue Requirement		20,801	From MMWEC Analysis of Holyoke's % Share
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		1,748,289	

Holyoke Gas & Electric Department
Annual Revenue Requirements
for costs in 2013
Pre-1997

Shading denotes an input

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG TERM DEBT	\$ Not Applicable	#VALUE!		#VALUE!	
COMMON EQUITY		#VALUE!		#VALUE!	#VALUE!
TOTAL INVESTMENT RETURN	\$ n/a	#VALUE!		#VALUE!	#VALUE!

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0850 PROXY PER INTERPRETIVE GUIDANCE DOCUMENT FOR IMPLEMENTATION RULE SECTION II.A.2 FOR AN MTO PLUS 50 BASIS PTS ADDER FOR JOINING RTO

(b) Federal Income Tax =
$$\left(\frac{R.O.E. + \left(\frac{PTF\ Inv.}{1} + \frac{Eq. AFUDC}{(Tax\ Credit + of\ Deprec.\ Exp)} \right) / PTF\ Inv.\ Base}{1} \right) \times \frac{Federal\ Income\ Tax\ Rate}{Federal\ Income\ Tax\ Rate}$$

=
$$\left(\frac{0.0000 + \left(\frac{0}{1} + \frac{0}{3,925,065} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{R.O.E. + \left(\frac{PTF\ Inv.}{1} + \frac{Eq. AFUDC}{(Tax\ Credit + of\ Deprec.\ Exp)} \right) / PTF\ Inv.\ Base}{1} \right) + \frac{Federal\ Income\ Tax}{State\ Income\ Tax\ Rate} \times State\ Income\ Tax\ Rate$$

=
$$\left(\frac{0.0000 + \left(\frac{0}{1} + \frac{0}{3,925,065} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0850000

	(PTF)	
INVESTMENT BASE	\$ 3,925,065	From Worksheet 1
x Cost of Capital Rate	0.0850000	
= Investment Return and Income Taxes	<u>333,631</u>	To Worksheet 1

Holyoke Gas & Electric Department
Annual Revenue Requirements
for costs in 2013
 Post-1996

Shading denotes an input

	CAPITALIZATION <u>12/31/2013</u>	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG TERM DEBT COMMON EQUITY	\$ Not Applicable	#VALUE! #VALUE! #VALUE!		#VALUE! #VALUE! #VALUE!	#VALUE!
TOTAL INVESTMENT RETURN	\$ <u>n/a</u>	<u>#VALUE!</u>		<u>#VALUE!</u>	<u>#VALUE!</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital	=	<u>0.085 to 0.095</u>	PROXY PER INTERPRETIVE GUIDANCE DOCUMENT FOR IMPLEMENTATION RULE SECTION II.A.2 FOR AN MTO PLUS 50 BASIS PTS ADDER FOR JOINING RTO AND 100 BASIS PTS ADDER FOR ALL PTF T IN SERVICE ON OR AFTER 1/1/04 provided included in RSP (note the 100 Basis Pts not added as not approved or pending)		
(b) Federal Income Tax	=	$\left(\frac{R.O.E. + \left(\frac{PTF\ Inv.}{(Tax\ Credit + Eq.\ AFUDC\ of\ Deprec.\ Exp)} / PTF\ Inv.\ Base \right)}{1} \right) \times \left(\frac{Federal\ Income\ Tax\ Rate}{Federal\ Income\ Tax\ Rate} \right)$			
	=	$\left(\frac{0.0000 + \left(\frac{0 + 0}{3,925,065} \right)}{1} \right) \times \left(\frac{0}{0} \right)$			
	=	<u>0.0000000</u>			
(c) State Income Tax	=	$\left(\frac{R.O.E. + \left(\frac{PTF\ Inv.}{(Tax\ Credit + Eq.\ AFUDC\ of\ Deprec.\ Exp)} / PTF\ Inv.\ Base \right)}{1} \right) + \left(\frac{Federal\ Income\ Tax}{State\ Income\ Tax\ Rate} \right) \times State\ Income\ Tax\ Rate$			
	=	$\left(\frac{0.0000 + \left(\frac{0 + 0}{3,925,065} \right)}{1} \right) + \left(\frac{0.0000000}{0} \right) \times 0$			
	=	<u>0.0000000</u>			
(a)+(b)+(c) Cost of Capital Rate	=	<u>#VALUE!</u>			

	<u>(PTF) prior 1/1/04</u>		<u>(PTF) on or after 1/1/04</u>		<u>(PTF) on or after 1/1/04</u>	
INVESTMENT BASE	\$ 6,905,327	From Worksheet 1a	6,905,327	From Worksheet 1a	6,905,327	From Worksheet 1a
% Allocated to respective period	0.09%		99.91%		0.00%	
PERIOD INVESTMENT BASE	6,465		6,898,862		0	
x Cost of Capital Rate	0.0850000		0.0850000	Projects both in and out of RSP (move to right when and only if 100 BP adder approved and in effect)	0.0950000	Included in RSP w/Extra 100 BP
= Investment Return and Income Taxes	<u>549</u>	To Worksheet 1a	<u>586,403</u>	To Worksheet 1a	<u>0</u>	To Worksheet 1a

Holyoke Gas & Electric Department

Pre-1997

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
<u>Transmission Plant</u>						
1	13,718,017		13,718,017		4,271,276	Line 1, Worksheet 5
2	11,160,945	7.8090% (a)	871,558	31.1362%	271,370	Page 8B, line 30g less line 29 telecom
3			<u>14,589,575</u>		<u>4,542,646</u>	
4	0		0	31.1362%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	5,765,708		5,765,708	31.1362%	1,795,222	Page 8A, line 31g less Page 16, line 31g
6	6,224,018	7.8090% (a)	486,034	31.1362%	151,333	(Page 8B, line 30g less line 29 telecom) less
7			<u>6,251,742</u>		<u>1,946,555</u>	(Page 17, line 30g less line 29g telecom)
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	10.5388% (c)	0	31.1362%	0	None known
9	0	10.5388% (c)	0	31.1362%	0	None known
10			<u>0</u>		<u>0</u>	
11	99,696	10.5388% (c)	10,507	31.1362%	3,271	Page 13, line 28d
<u>Other Regulatory Assets</u>						
12	0	7.8090% (a)	0	31.1362%	0	None known
13	0	10.5388% (c)	0	31.1362%	0	None known
14	0	10.5388% (c)	0	31.1362%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	48,415,623	7.8090% (a)	3,780,776	31.1362%	1,177,190	Page 10, line 26c
17	2,623,984	10.5388% (a)	276,536	31.1362%	86,103	Page 14, line 16b
Per Guidance Document I. R. Section II.A.1 as well as Application of I. R. to MTO's						
<u>Cash Working Capital</u>						
19					262,401	Worksheet 1, Line 20
20					186,523	Worksheet 1, Line 21
21					50,357	Worksheet 1, Line 24
22					499,281	
23					0.125	x 45 / 360
24					<u>62,410</u>	

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

Holyoke Gas & Electric Department

Post-1996

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
<u>Transmission Plant</u>						
1	13,718,017		13,718,017		7,526,472	Line 1, Worksheet 5
2	11,160,945	7.8090% (a)	871,558	54.8656%	478,186	Page 8B, line 30g less line 29 telecom
3			<u>14,589,575</u>		<u>8,004,658</u>	
4	0		0	54.8656%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	5,765,708		5,765,708	54.8656%	3,163,390	Page 8A, line 31g less Page 16, line 31g
6	6,224,018	7.8090% (a)	486,034	54.8656%	266,665	(Page 8B, line 30g less line 29 telecom) less
7			<u>6,251,742</u>		<u>3,430,055</u>	(Page 17, line 30g less line 29g telecom)
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	10.5388% (c)	0	54.8656%	0	None known
9	0	10.5388% (c)	0	54.8656%	0	None known
10			<u>0</u>		<u>0</u>	
11	99,696	10.5388% (c)	10,507	54.8656%	5,765	Page 12, line 28b
<u>Other Regulatory Assets</u>						
12	0	7.8090% (a)	0	54.8656%	0	None known
13	0	10.5388% (c)	0	54.8656%	0	None known
14	0	10.5388% (c)	0	54.8656%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	48,415,623	7.8090% (a)	3,780,776	54.8656%	2,074,345	Page 10, line 26c
17	2,623,984	10.5388% (a)	276,536	54.8656%	151,723	Page 14, line 16b
Per Guidance Document I. R. Section II.A.1 as well as Application of I. R. to MTO's						
<u>Cash Working Capital</u>						
18					462,380	Worksheet 41a, Line 20
19					328,745	Worksheet 41a, Line 21
20					0	Worksheet 41a, Line 24
21					791,125	
22					<u>0,125</u>	x 45 / 360
23					<u>98,891</u>	
24						

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

Holyoke Gas & Electric Department
Pre-1997

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
Depreciation Expense						
1	243,925		243,925	31.1362%	75,949	Page 16, line 31d
2	544,174	7.8090% (a)	42,495	31.1362%	13,231	Page 17, line 30d less line 29 Telecom
3			286,420		89,180	
4	99,696	10.5388% (c)	10,507	31.1362%	3,271	Page 13, line 28d
5	0	10.5388% (c)	0	31.1362%	0	None known
Property Taxes *						
6	316,939		316,939	31.1362%	98,683	See below
7	196,761	7.8090% (a)	15,365	31.1362%	4,784	
8			332,304		103,467	
Transmission Operation and Maintenance						
PER INTERPRETATIVE GUIDANCE DOCUMENT SECTION II.G RULES FOR HGED						
9	3,879,581		3,879,581	31.1362%	1,207,954	Page 40, line 50b
10	3,036,830		3,036,830	31.1362%	945,553	Page 40, line 38b
11	0		0	31.1362%	0	Page 40, line 34b
12	0				0	Page 40, line 35b, 40b only if include Support
13	842,751		842,751	31.1362%	262,401	
Transmission Administrative and General						
14	7,538,723					Page 42, line 7b less line 5b, less pg 41 line 56b telecom
15	424,214					Page 41, line 49b
16	0					Page 41, line 52b
17	15,693					G/L Acct 913-00 Advertising Expense
18	7,098,816	7.8090% (a)	554,347	31.1362%	172,603	
19	424,214	10.5388% (c)	44,707	31.1362%	13,920	
20	0	10.5388% (c)	0	31.1362%	0	
21	0	10.5388% (c)	0	31.1362%	0	
22	7,523,030		599,054		186,523	
23	97,531	7.8090% (a)	7,616	31.1362%	2,371	Footnote (d)
(a) Worksheet 5 of 8, line 11						
(b) Worksheet 5 of 8, line 3						
(c) Worksheet 5 of 8, line 16						
(d) Payroll taxes						
	30,382	G/L Acct 926-05				
	63,227	G/L Acct 926-06				
	3,923	G/L Acct 926-08				
	0					
	97,531	To Line 23				
* Property Taxes						
		NBV Transmission Plant	7,952,309			Page 16, line 31g
		NBV General Plant	4,936,927			Page 17, line 30g less line 29g telecom
		Local property tax rate - 1st half	39.97			Page 3, line 9 of 2013 DPU State Return
		Local property tax rate - 2nd half	39.74			Page 3, line 9 of 2013 DPU State Return

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Holyoke Gas & Electric Department

Post-1996

(2) (4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
Depreciation Expense						
1	243,925		243,925	54.8656%	133,831	Page 16, line 31d
2	544,174	7.8090% (a)	42,495	54.8656%	23,315	Page 17, line 30d less line 29 Telecom
3			286,420		157,146	
4	99,696	10.5388% (c)	10,507	54.8656%	5,765	Page 13, line 28d
5	0	10.5388% (c)	0	54.8656%	0	None known
Property Taxes *						
6	316,939		316,939	54.8656%	173,891	See below
7	196,761	7.8090% (a)	15,365	54.8656%	8,430	
8			332,304		182,321	
Transmission Operation and Maintenance						
PER INTERPRETATIVE GUIDANCE DOCUMENT SECTION II.G RULES FOR HGED						
9	3,879,581		3,879,581	54.8656%	2,128,555	Page 40, line 50b
10	3,036,830		3,036,830	54.8656%	1,666,175	Page 40, line 38b
11	0		0	54.8656%	0	Page 40, line 34b
12					0	Page 40, line 35b, 40b Only if includes Support
13	842,751		842,751	54.8656%	462,380	
Transmission Administrative and General						
14	7,538,723					Page 42, line 7b less line 5b, less pg 41 line 56b telecom
15	424,214					Page 41, line 47b
16	0					Page 41, line 50b
17	14,044					G/L Acct 912-00-1&2 Advertising Expense
18	7,100,465	7.8090% (a)	554,475	54.8656%	304,216	
19	424,214	10.5388% (c)	44,707	54.8656%	24,529	
20	0	10.5388% (c)	0	54.8656%	0	
21	0	10.5388% (c)	0	54.8656%	0	
22	7,524,679		599,182		328,745	
23	97,531	7.8090% (a)	7,616	54.8656%	4,179	Footnote (d)
(a) Worksheet 5 of 8, line 11						
(b) Worksheet 5 of 8, line 3						
(c) Worksheet 5 of 8, line 16						
(d) Payroll taxes						
	30,382	926-05				
	63,227	926-06				
	3,923	926-08				
	0					
	97,531	To Line 23				
* Property Taxes						
			7,952,309			Page 16, line 31g
			4,936,927			Page 17, line 30g
			39.97			Page 3, line 9 of 2009 DPU State Return
			39.74			Page 3, line 9 of 2009 DPU State Return

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

Line No. Mass DTE AR Reference

PTF Transmission Plant Allocation Factor

Holyoke

Line No.	Description	Pre-1997	Post-1996	Reference
1	PTF Transmission Investment	4,271,276	7,526,472	(50% of FERC Acct # 353 per Rule 8 after excluding transformer non-ptf cost, 100% of FERC Acct's 355 & 356 from page 8A, lines 24g, 26g, & 27g respectively)+ 100% from pg 8A lines 31c - 31d +31e+31f Page 8A, line 31g
2	Total Transmission Investment	13,718,017	13,718,017	
3	Percent Allocation (Line 1/Line 2)	31.1362%	54.8656%	

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	570,627		Page 40, line 33b, 35b, 36b, 39b, 45b, 46b Breakdown (see Below) Worksheet 6 & 6a of 8
5	Affiliated Company Transmission Wages and Salaries	0		
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	570,627		
7	Total Wages and Salaries	8,237,597		Page 42, line 25 less telecom Wages
8	Administrative and General Wages and Salaries	930,321		Page 41, line 45b
9	Affiliated Company Wages and Salaries less A&G	0		Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	7,307,276		
11	Percent Allocation (Line 6/Line 10)	7.8090%		

Plant Allocation Factor

12	Total Transmission Investment	13,718,017		Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	871,558		Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	14,589,575		
15	Total Plant in Service	138,437,145		Page 8B, line 31g less line 15g, less line 29g telecom
16	Percent Allocation (Line 14 / Line 15)	10.5388%		

(Line #4) Breakdown of Transmission Expenses by FERC #

FERC #	Expenses (*)	Labor (*)	Total from MDTE AR
560	48,670	364,329	412,999
562	73,439	98,045	171,484
563	-	90	90
566	2,438	13,800	16,238
570	147,577	55,894	203,471
571-00	-	35,309	35,310
571-01	-	3,159	3,159
		Total	570,627

(*) From General Ledger Trial Balance Report for December 31, 2013 Yr End

Affiliated Company Wages and Salaries

Shading denotes an input

Line		Holyoke
"Affiliated" Transmission Wages and Salaries #560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 =	Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries #920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		1,285
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			1,813
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			6,991
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		16,376
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		1,176
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			1,159
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		0
	345 kV Millstone-Manchester 310 line	330.1(n)		21,557
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	50,357

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Holyoke Gas & Electric Department - 2014 Forecasted Transmission Projects In-Service

Primary Equipment Owner	Other Equipment Owner(s)	Projected In-Service Month/Year	Project	March 2013 Status	Substation ROW	Transmission ROW	Estimated Costs	Estimated % PTF	Estimated PTF In-Service Costs
Holyoke Gas & Electric Department		Nov-14	Replacement of 115 kV Transmission Pole #1894-7 at intersection of Race and Appleton Sts	Concept	Not Required	Not Required	\$350,000	100.00000%	\$350,000
Holyoke Gas & Electric Department		Dec-14	17L - 150 kW, 480 volt three phase standby generator to backup Holyoke SS, Switchboard, and ElecOps Office	Concept	Not Required	Not Required	\$200,000	20.00000%	\$40,000
Holyoke Gas & Electric Department		Oct-14	17L - Install Multi-Function Meters to replaced electromechanical demand meters and transducers (9 feeders)	Concept	Not Required	Not Required	\$67,500	50.00000%	\$33,750
Holyoke Gas & Electric Department		Jul-14	44P - Camera Installation (qty 3)	Concept	Not Required	Not Required	\$30,000	50.00000%	\$15,000
Holyoke Gas & Electric Department		Jul-14	52W - Exterior Camera Installation (qty 2)	Concept	Not Required	Not Required	\$20,000	50.00000%	\$10,000
Holyoke Gas & Electric Department									

2014 Forecasted Transmission Plant Additions = \$448,750



Account	Description	Debit	Credit
0030-30-560-560-00-1	TRANS OPER SUPV & ENG EXPENSES	48,670.49	.00
0030-30-560-560-00-2	TRANS OPER SUPV & ENG LABOR	364,328.80	.00
0030-30-562-562-00-1	TRANSMISSION STATION EXPENSES	73,439.29	.00
0030-30-562-562-00-2	TRANSMISSION STATION LABOR	98,045.20	.00
0030-30-563-563-00-2	TRANSMISSION OVERHEAD LINE LABOR	90.18	.00
ELECTRIC		584,573.96	.00
All Fund Totals		584,573.96	.00

Account	Description	Debit	Credit
0030-30-566-566-00-1	MISC TRANSMISSION EXPENSE	2,437.64	.00
0030-30-566-566-00-2	MISC TRANSMISSION PAYROLL	13,800.37	.00
0030-30-570-570-00-1	MAINT TRANSMISSION PLANT EXPENSE	147,577.13	.00
0030-30-570-570-00-2	MAINT TRANSMISSION PLANT LABOR	55,893.60	.00
0030-30-571-571-00-2	MAINT OVERHEAD LINES LABOR	35,309.23	.00
0030-30-571-571-01-2	TRANS/MAINT CLEARANCE LABOR	3,159.21	.00
ELECTRIC		258,177.18	.00
All Fund Totals		258,177.18	.00

Account	Description	Debit	Credit
0030-30-926-926-08-1	DET HEALTH INS CONTRIBUTION	3,922.59	.00
ELECTRIC		3,922.59	.00
All Fund Totals		3,922.59	.00

Account	Description	Debit	Credit
0030-30-926-926-05-1	UNEMPLOYMENT BENEFIT CLAIMS	30,382.17	.00
0030-30-926-926-06-1	FICA MEDICARE TAX	63,226.69	.00
ELECTRIC		93,608.86	.00
All Fund Totals		93,608.86	.00

Account	Description	Debit	Credit
0030-30-913-913-00-1	ADVERTISING EXPENSE	15,692.80	.00
ELECTRIC		15,692.80	.00
All Fund Totals		15,692.80	.00

HUDSON PTF SUPPORT PAYMENTS TO OTHERS FOR 2013

	HQ II AC <u>BECo</u>	HQ II AC <u>NEP</u>	HQ II Chester SVC <u>NEH</u>	Seabrook Tewksbury <u>NEP</u>	Seabrook Scobie & Newington <u>NU</u>	Millstone 3 <u>NU</u>	Wyman 4 <u>CMP</u>	<u>Total</u>	Seabrook Revenue Requirements <u>Pre-97</u>	Seabrook Revenue Requirements <u>Post-96</u>	Seabrook Revenue Requirements <u>Total Share</u>	Total PTF Revenue Requirements <u>Pre-97</u>	Total PTF Revenue Requirements <u>Post-96</u>	Support and Revenue Requirements <u>Total</u>
Hudson	\$ 721	\$ 9,129	\$ 3,897	\$ 6,358	\$ 6,265	\$ 7,128	\$ 895	<u>\$ 34,393</u>	\$ 57,256	\$ 112,416	<u>\$ 169,672</u>	\$ 91,649	\$ 112,416	<u>\$ 204,065</u>

Allocation of PTF Revenue Requirements										MMWEC's	MMWEC's	MMWEC's	MMWEC's	MMWEC's	Support and
	HQ II	HQ II	HQ II	Seabrook	Seabrook					Seabrook	Seabrook	Seabrook	Total PTF	Total PTF	Support and
	AC	AC	Chester	Tewksbury	Scobie &	Millstone 3	Wyman 4	Municipal		Revenue	Revenue	Revenue	Revenue	Revenue	Revenue
			SVC		Newington			Support		Requirements	Requirements	Requirements	Requirements	Requirements	Requirements
	Nstar (BECo)	NEP	NEH	NEP	NU	NU	CMP	Total		Pre-97	Post-96	Total Share	Pre-97	Post-96	Total
Hingham	\$497	\$7,480	\$3,175	\$1,799	\$1,773	\$6,797	\$0	\$21,521	\$16,215	\$31,836	\$48,051	\$37,736	\$31,836	\$69,572	
Hull	\$148	\$2,228	\$946	\$626	\$617	\$2,568	\$332	\$7,465	\$5,644	\$11,081	\$16,725	\$13,109	\$11,081	\$24,190	
Pascoag,RI	\$95	\$1,426	\$605	\$406	\$400	\$0	\$0	\$2,932	\$3,657	\$7,179	\$10,836	\$6,589	\$7,179	\$13,768	
Concord	\$496	\$7,462	\$3,167	\$0	\$0	\$0	\$0	\$11,125	\$0	\$0	\$0	\$11,125	\$0	\$11,125	
Ashburnham	\$74	\$1,108	\$470	\$247	\$244	\$2,071	\$0	\$4,214	\$2,229	\$4,375	\$6,604	\$6,443	\$4,375	\$10,818	
Boylston	\$83	\$1,249	\$530	\$322	\$318	\$1,782	\$137	\$4,421	\$2,904	\$5,701	\$8,605	\$7,325	\$5,701	\$13,026	
Danvers	\$990	\$14,893	\$6,321	\$4,224	\$4,162	\$17,731	\$0	\$48,321	\$38,062	\$74,730	\$112,792	\$86,383	\$74,730	\$161,113	
Georgetown	\$96	\$1,439	\$611	\$363	\$358	\$1,404	\$0	\$4,271	\$3,273	\$6,426	\$9,699	\$7,544	\$6,426	\$13,970	
Groton,MA	\$109	\$1,647	\$699	\$489	\$482	\$1,716	\$0	\$5,142	\$4,406	\$8,651	\$13,057	\$9,548	\$8,651	\$18,199	
Holden	\$305	\$4,585	\$1,946	\$1,508	\$1,486	\$4,901	\$0	\$14,731	\$13,585	\$26,672	\$40,257	\$28,316	\$26,672	\$54,988	
Ipswich	\$0	\$0	\$0	\$404	\$399	\$4,103	\$0	\$4,906	\$3,645	\$7,156	\$10,801	\$8,551	\$7,156	\$15,707	
Littleton,MA	\$304	\$4,573	\$1,941	\$415	\$409	\$3,618	\$439	\$11,699	\$3,740	\$7,343	\$11,083	\$15,439	\$7,343	\$22,782	
Mansfield	\$692	\$10,413	\$4,419	\$3,000	\$2,957	\$10,672	\$0	\$32,153	\$27,036	\$53,082	\$80,118	\$59,189	\$53,082	\$112,271	
Marblehead	\$351	\$5,283	\$2,242	\$513	\$505	\$10,423	\$736	\$20,053	\$4,620	\$9,072	\$13,692	\$24,673	\$9,072	\$33,745	
Middleton	\$193	\$2,908	\$1,234	\$1,246	\$1,228	\$2,969	\$267	\$10,045	\$11,225	\$22,040	\$33,265	\$21,270	\$22,040	\$43,310	
N. Attleboro	\$449	\$6,758	\$2,868	\$1,435	\$1,414	\$11,772	\$439	\$25,135	\$12,933	\$25,393	\$38,326	\$38,068	\$25,393	\$63,461	
Paxton	\$72	\$1,090	\$462	\$307	\$302	\$2,201	\$0	\$4,434	\$2,764	\$5,427	\$8,191	\$7,198	\$5,427	\$12,625	
Peabody	\$1,172	\$17,642	\$7,487	\$4,291	\$4,229	\$20,042	\$0	\$54,863	\$38,669	\$75,922	\$114,591	\$93,532	\$75,922	\$169,454	
Rowley	\$65	\$979	\$416	\$0	\$0	\$0	\$0	\$1,460	\$0	\$0	\$0	\$1,460	\$0	\$1,460	
Shrewsbury	\$667	\$10,039	\$4,261	\$2,186	\$2,154	\$15,682	\$1,098	\$36,087	\$19,696	\$38,671	\$58,367	\$55,783	\$38,671	\$94,454	
Sterling	\$0	\$0	\$0	\$776	\$765	\$1,984	\$0	\$3,525	\$6,992	\$13,727	\$20,719	\$10,517	\$13,727	\$24,244	
Templeton	\$226	\$3,397	\$1,442	\$732	\$721	\$4,723	\$0	\$11,241	\$6,593	\$12,945	\$19,538	\$17,834	\$12,945	\$30,779	
Wakefield	\$515	\$7,750	\$3,289	\$1,470	\$1,448	\$13,874	\$1,159	\$29,505	\$13,243	\$26,001	\$39,244	\$42,748	\$26,001	\$68,749	
W.Boylston	\$211	\$3,171	\$1,346	\$689	\$679	\$5,344	\$0	\$11,440	\$6,206	\$12,185	\$18,391	\$17,646	\$12,185	\$29,831	
S.Hadley	\$478	\$7,199	\$3,055	\$1,296	\$1,277	\$38,850	\$0	\$52,155	\$11,675	\$22,922	\$34,597	\$63,830	\$22,922	\$86,752	
Westfield	\$1,046	\$15,732	\$6,677	\$1,384	\$1,364	\$75,136	\$1,912	\$103,251	\$12,472	\$24,488	\$36,960	\$115,723	\$24,488	\$140,211	
Total Support:	\$9,334	\$140,451	\$59,609	\$30,128	\$29,691	\$260,363	\$6,519	\$536,095	\$271,484	\$533,025	\$804,509	\$807,579	\$533,025	\$1,340,604	
(without Munis who are TOs)															
INPUT DATA	406,833	6,121,444	2,597,923	44,019	43,378	323,944	9,668	0	396,672	778,817	1,175,489	396,672	778,817	1,175,489	
									Comes from long-form filing						
	<i>Municipals who are TO's and file independently with RWG</i>														
Middleborough	\$517	\$6,595	\$2,814	\$1,912	\$1,884	\$7,617	\$439	\$21,778	\$17,227	\$33,822	\$51,049	\$39,005	\$33,822	\$72,827	
Holyoke	\$1,285	\$16,376	\$6,991	\$1,176	\$1,159	\$21,557	\$1,813	\$50,357	\$10,595	\$20,801	\$31,396	\$60,952	\$20,801	\$81,753	
Reading	\$2,258	\$28,753	\$12,278	\$2,412	\$2,377	\$27,278	\$0	\$75,356	\$21,734	\$42,672	\$64,406	\$97,090	\$42,672	\$139,762	
Braintree	\$1,500	\$19,083	\$8,147	\$2,329	\$2,295	\$0	\$0	\$33,354	\$20,984	\$41,200	\$62,184	\$54,338	\$41,200	\$95,538	
Hudson	\$721	\$9,129	\$3,897	\$6,358	\$6,265	\$7,128	\$895	\$34,393	\$57,256	\$112,416	\$169,672	\$91,649	\$112,416	\$204,065	
Taunton	\$1,725	\$21,954	\$9,373	\$381	\$376	\$0	\$0	\$33,809	\$ 3,381	\$ 6,639	\$ 10,020	\$ 37,190	\$6,639	\$43,829	
NOTE: Hudson and Taunton have additional shares of Seabrook ownership independent of their MMWEC membership not reflected in the amounts shown above.															
Chicopee	\$1,527	\$19,475	\$8,313	\$0	\$0	\$0	\$0	\$29,315	\$ -	\$ -	\$ -	\$ 29,315	\$0	\$29,315	
CHECK:	\$1,385	(\$1,235)	(\$216)	\$677	\$669	(\$1)	(\$2)	\$5,989	\$11,758	\$17,747					
NOTE: Difference totaling \$17,747 represents Hudson & Taunton's independent MJO share of Seabrook.															

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

For RNS Rates Effective June 1, 2014 through May 31, 2015

Revenue Requirements for Test Year:	<u>2013</u>
Customer:	<u>MMWEC</u>
Customer's NABs Number:	<u></u>
Name of Participant responsible for customer's billing:	<u>MMWEC</u>
DUNs number of Participant responsible for customer's billing:	<u>071724900</u>


	Line No.	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	1	344,069 Pre-97 WS1, ln 14-22	748,453 Post-96 WS1, ln 14-22
Total of Attachment F - Section J - Support Revenue	2	0 Pre-97 WS1, ln 23	0 Post-96 WS1, ln 23
Total of Attachment F - Section K - Support Expense	3	0 Pre-97 WS1, ln 24	0 See Note 1
Total of Attachment F - Section (L through O)	4	(37) Pre-97 WS1, ln 27	(94) Post-96 WS1, ln 27
Sub Total - Sum (A through I) - J + K + (L through O)	5	<u>344,032</u> Sum of above	<u>748,359</u> Sum of above
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	6	<u>N/A</u>	<u>\$32,359</u> Post-96 WS8, ln. 3
Annual True-up (per Attachment C to Attachment F Implementation Rule)	7	<u>\$ 52,640</u> TU WS4, line 16	<u>\$ (1,901)</u> TU WS4, line 16
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	9	\$ 396,672.17 lns. 5+6+7	\$778,817 lns. 5+6+7
Total Seabrook PTF-Related ATRR incl. Forecast and True Up		\$ 1,175,489	Sum of lines 8 Pre-97 & Post-96 above

Notes:

1. MMWEC Support Expenses are shown on separate file that allocates all recoverable support expenses to MMWEC members.

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Pre-'97 ATRR

 Shading denotes an input

<u>Line No.</u>		<u>Attachment F Reference</u>	<u>Pre-'97</u>	<u>Reference</u>
	I. INVESTMENT BASE			
		Section:		
1	Transmission Plant	(A)(1)(a)	2,317,349	Pre-97 WS3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Pre-97 WS3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Pre-97 WS3, line 4 column 5
4	Total Plant (Lines 1+2+3)		2,317,349	
5	Accumulated Depreciation	(A)(1)(d)	504,477	Pre-97 WS3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Pre-97 WS3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Pre-97 WS3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Pre-97 WS3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		1,812,872	
10	Prepayments	(A)(1)(h)	886	Pre-97 WS3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	36,661	Pre-97 WS3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	13,592	Pre-97 WS3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		1,864,011	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	149,121	Pre-97 WS2
15	Depreciation Expense	(B)	49,895	Pre-97 WS4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Pre-97 WS4, line 4 column 5
17	Investment Tax Credit	(D)	0	Pre-97 WS4, line 5 column 5
18	Property Tax Expense	(E)	35,464	Pre-97 WS4, line 6 column 5
19	Payroll Tax Expense	(F)	850	Pre-97 WS4, line 26 column 5
20	Operation & Maintenance Expense	(G)	21,517	Pre-97 WS4, line 13 column 5
21	Administrative & General Expense	(H)	87,222	Pre-97 WS4, line 25 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	NA
23	Transmission Support Revenue	(J)	0	NA
24	Transmission Support Expense	(K)	0	Pre-97 WS7
25	Transmission Related Expense from Generators	(L)	0	NA
26	Transmission Related Taxes and Fees Charge	(M)	0	NA
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(37)	Pre-97 WS8, line 5 column b
28	Transmission Rents Received from Electric Property	(O)	0	NA
29	Total Pre-'97 Revenue Requirements (Line 14 thru 28)		344,032	

NOTES:

1. All amounts represent MMWEC's 11.5934% ownership share in the Seabrook Transmission Substation.

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Pre-'97 ATRR

Shading denotes an input

	<u>CAPITALIZATION 12/31/13</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ NA	0.00%	0.00%	0.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	NA	100.00%	8.00%	8.00%	8.00%
TOTAL INVESTMENT RETURN	\$ 0	100.00%		8.00%	8.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800 PROXY PER INTERPRETIVE GUIDANCE DOCUMENT FOR IMPLEMENTATION RULE SECT. II.A.2 FOR AN MTO

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \text{Federal Income Tax Rate}$$

=
$$\left(\frac{0.0800 + (0 + 0) / \$ 1,864,011}{1} \right) \times 0$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp}}{\text{PTF Inv. Base}} \right) / \text{State Income Tax Rate}}{1} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0800 + (0 + 0) / 1,864,011}{1} \right) \times 0$$

= 0.0000000

(a)+(b)+(c) Cost of Capital Rate = 0.0800000

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 1,864,011	From Pre-97 WS1, line 13
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>149,121</u>	To Pre-97 WS1, Line 14

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Pre-'97 ATRR

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) Pre-Post PTF Allocation Factor	(5) = (3)*(4) PTF Allocated	Reference for col (1)
<u>Transmission Plant</u>						
1	2,317,349	Directly Assigned	2,317,349	Directly Assigned	2,317,349	Pre-96 WS 5, line 1
2	0	0.5718%	0	62.6658%	0	
3					<u>2,317,349</u>	
4	NA		NA		<u>0</u>	
<u>Transmission Accumulated Depreciation</u>						
5	2,045,773	Directly Assigned	2,045,773	24.6595%	504,477	From Plant Data Support 1 and Pre-97 WS5, line 3
6	0		0		0	
7					<u>504,477</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	Directly Assigned	0	Directly Assigned	0	
9	0		0		0	
10					<u>0</u>	
11	0		0		<u>0</u>	
<u>Other Regulatory Assets</u>						
12	0		0		0	
13	0		0		0	
14	0		0		0	
15					<u>0</u>	
16	628,328	0.5718%	3,593	24.6595%	<u>886</u>	From MMWEC Accounting and Pre-97 WS5, line 3
17	7,455,363	1.9941%	148,667	24.6595%	<u>36,661</u>	From MMWEC Accounting and Pre-97 WS5, line 3
<u>Cash Working Capital</u>						
19					21,517	
20					87,222	From MMWEC Accounting
21					0	
22					<u>108,739</u>	From MMWEC Accounting
23					<u>0.125</u>	x 45 / 360
24					<u>13,592</u>	

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Pre-'97 ATRR

Shading denotes an input

Line No.	(1) Total	(2) Wage / PTF- Non-PTF Plant Allocation	(3) = (1)*(2) Transmission Allocated	(4) PTF/HTF Allocation Factor	(5) = (3)*(4) PTF Allocated	Reference for col (1)
<u>Depreciation Expense</u>						
1	202,338	Directly Assigned	202,338	24.6595%	49,895	MMWEC Acc
2	0	0.5718%	0	24.6595%	0	
3					<u>49,895</u>	
4	0		0		<u>0</u>	
5	0		0		<u>0</u>	
<u>Property Taxes</u>						
6	143,816	Directly Assign (c)	143,816	24.6595% (a)	35,464	MMWEC Acc
7	0		0		0	
8	143,816				<u>35,464</u>	
<u>Transmission Operation and Maintenance</u>						
9	87,257	Directly Assigned	87,257	24.6595% (a)	21,517	MMWEC Acc
10	0		0		0	
11	0		0		0	
12	0		0		0	
13	87,257				<u>21,517</u>	
<u>Transmission Administrative and General</u>						
14	3,482,490					MMWEC Acc
15	246,817					MMWEC Acc
16	0					0
17	0					
18	3,235,673	0.5718% (b)	18,500	24.6595% (a)	4,562	
19	81,446	Directly Assigned	81,446	Directly Assigned	81,446	
20	246,817	1.9941% (c)	4,922	24.6595% (a)	1,214	MMWEC Acc
21	0		0	24.6595% (a)	0	0
22	0		0		0	
23	3,482,490					
24	81,446					
25	3,563,936				<u>87,222</u>	
26	603,115	0.5718% (b)	3,448	24.6595% (a)	850	MMWEC Acc

Reference (a) Worksheet 5, line 3 (PTF/HTF Allocation Factor applicable to MMWEC)
 (b) Worksheet 5, line 14 (Wage and Salary Allocation Factor applicable to MMWEC).
 (c) All Transmission Plant reflected here in is related to Seabrook Transmission Substation plant owned by MMWEC.

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Pre-'97 ATRR


Shading denotes an input

Line No.		Pre-'97	Reference	
<u>PTF/HTF Transmission Plant Allocation Factor</u>				
1	PTF Transmission Investment (Pre 1997)	2,317,349	From Data Support 1 worksheet	
2	Total Transmission Investment	<u>9,397,378</u>	From Data Support 1 worksheet	
3	Percent Allocation (Line 1/Line 2)	<u>24.6595%</u>	Line 1 / line 2	
<u>PTF/HTF Transmission Plant Allocation Factor</u>				
4	PTF Transmission Investment (Post-1996)	5,888,940	From Data Support 1 worksheet	
5	Total Transmission Investment	<u>9,397,378</u>	From Data Support 1 worksheet	
6	Percent Allocation (Line 4/Line 5)	<u>62.6658%</u>	Line 4 / line 5	87.3253%
<u>Transmission Wages and Salaries Allocation Factor</u>				
7	Direct Transmission Wages and Salaries	43,866	From MMWEC Accounting Data	
8	Affiliated Company Transmission Wages and Salaries	0		
9	Total Transmission Wages and Salaries (Line 7 + Line 8)	43,866	Sum Lines 7 + 8	
10	Total Wages and Salaries	7,765,554	From MMWEC Accounting Data	
11	Administrative and General Wages and Salaries	93,432	From MMWEC Accounting Data	
12	Affiliated Company Wages and Salaries less A&G	0		
13	Total Wages and Salaries net of A&G (Line 10 - 11 + 12)	7,672,123	Sum Lines 10 + 11 + 12	
14	Percent Allocation (Line 9/Line 13)	<u>0.57176%</u>	Line 9 / Line 13	
<u>Plant Allocation Factor</u>				
15	Total Transmission Investment	9,397,378	From Data Support 1 worksheet	
16	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	0		
17	Total Transmission Related Investment (Line 15 + Line 16)	9,397,378	Sum Lines 15 + 16	
18	Total Plant in Service	<u>471,257,719</u>	From Data Support 1 worksheet	
19	Percent Allocation (Line 17 / Line 18)	<u>1.9941%</u>	Line 17 / Line 18	
<u>Pre-1997 and Post 1996 Transmission Plant</u>				
20	PTF PRE 1997 Transmission Investment	2,317,349	From Data Support 1 worksheet	
21	PTF POST 1996 Transmission Investment	<u>5,888,940</u>	From Data Support 1 worksheet	
22	Total PTF Transmission Plant (Line 20+21)	8,206,289	Sum Lines 20 + 21	
23	Percentage PTF PRE 1997 Transmission Investment (Line 20 / 22)	28.2387%	Line 20 / Line 22	
24	Percentage PTF POST 1996 Transmission Investment (Line 21 / 22)	71.7613%	Line 21 / Line 22	
25	Total PTF Transmission Plant Percentage (Line 23 + 24)	100.0000%	Sum Lines 23 + 24	

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Pre-'97 ATRR

Affiliated Company Wages and Salaries

 Shading denotes an input

<u>Line</u>	<u>MMWEC</u>
<u>"Affiliated" Transmission Wages and Salaries</u>	
<u>#560 - 573</u>	
1 560	0
2 562	0
3 564	0
4 566	0
5 568	0
6 569	0
7 570	0
8 571	0
9 572	0
10 573	0
11 Total Transmission (1 thru 10)	<u>0</u>
12 Total "Affiliated" Wages and Salaries	<u>0</u>
<u>Less "Affiliated" Administrative and General Salaries</u>	
<u>#920 - 935</u>	
13 920	0
14 921	0
15 923	0
16 925	0
17 926	0
18 928	0
19 930	0
20 935	0
21 Total Affiliated Administrative and General Salaries (13 thru 20)	<u>0</u>
22 = 12 Total "Affiliated" less A&G	<u><u>0</u></u>

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Pre-'97 ATRR

Input Revenues associated with the NPTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	NHT		
			Revenues (a)	Expenses (b)	
NEP	345 kV NH/MA border - Tewksbury 394 line				See note
NU	345 kV 363, 369 and 394 Seabrook Lines				See note
Total =			0	0	

Amount by which Support Expense exceeds Support Revenues 0
(To Worksheet 3, Line 21, Column 5)

Note: MMWEC's Seabrook Support Payments are stated separately on separate Municipal Support Payment worksheet.

RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff

Pre-'97 ATRR

Short-Term Revenues Received Under ISO-NE Tariff

Line No.	Revenue Source ^(a)	Total Amount ^(b)	Reference
1	TOUT Revenues	\$131	ISO-NE
2	Post-96 PTF Plant Allocator	71.8%	Post-96 WS5, line 24
3	Pre-97 PTF Plant Allocator	28.2%	Post-96 WS5, line 23
4	Post-96 Revenues	\$94	Line 1 x Line 2
5	Pre-97 Revenues	\$37	Line 1 x Line 3

RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff

Post-'96

Shading denotes an input

<u>Line No.</u>		<u>Attachment F</u> <u>Reference</u>	<u>MMWEC</u>	<u>Reference</u>
	I. INVESTMENT BASE			
		Section:		
1	Transmission Plant	(A)(1)(a)	5,888,940	Post-96 WS 3, line 1, column 5
2	General Plant	(A)(1)(b)	0	Post-96 WS 3, line 2, column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Post-96 WS 3, line 5, column 5
4	Total Plant (Lines 1+2+3)		5,888,940	
5	Accumulated Depreciation	(A)(1)(d)	1,282,000	Post-96 WS 3, line 8, column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Post-96 WS 3, line 12, column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Post-96 WS 3, line 14, column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Post-96 WS 3, line 18, column 5
9	Net Investment (Line 4-5-6+7+8)		4,606,940	
10	Prepayments	(A)(1)(h)	2,252	Post-96 WS 3, line 19, column 5
11	Materials & Supplies	(A)(1)(i)	93,163	Post-96 WS 3, line 20, column 5
12	Cash Working Capital	(A)(1)(j)	29,757	Post-96 WS 3, line 27, column 5
13	Total Investment Base (Line 9+10+11+12)		4,732,112	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes (Post-'96 / Pre-'04 Investments)	(A)	378,569	Post-96 WS2
15	Incentive Investment Return and Income Taxes (Eligible Investments)	(A)	0	Post-96 WS2A
16	Depreciation Expense	(B)	126,797	Post-96 WS4, line 3 column 5
17	Amortization of Loss on Reacquired Debt	(C)	0	Post-96 WS4, line 4 column 5
18	Investment Tax Credit	(D)	0	Post-96 WS4, line 5 column 5
19	Property Tax Expense	(E)	90,123	Post-96 WS4, line 8 column 5
20	Payroll Tax Expense	(F)	2,161	Post-96 WS4, line 28 column 5
21	Operation & Maintenance Expense	(G)	54,680	Post-96 WS4, line 13 column 5
22	Administrative & General Expense	(H)	96,123	Post-96 WS4, line 25 column 5
23	Transmission Related Integrated Facilities Charge	(I)	0	NA
24	Transmission Support Revenue	(J)	0	Post-96 WS7
25	Transmission Support Expense	(K)	0	Post-96 WS7
26	Transmission Related Expense from Generators	(L)	0	NA
27	Transmission Related Taxes and Fees Charge	(M)	0	NA
28	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(94)	Post-96 WS9, line 4 column b
29	Transmission Rents Received from Electric Property	(O)	0	NA
30				
31	Total Post-'96 Revenue Requirements (Line 14 thru 29)		748,359	

NOTES:

1. All amounts represent MMWEC's 11.5934% ownership share in the Seabrook Transmission Substation.

RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff

Post-'96

Shading denotes an input

	CAPITALIZATION 12/31/13	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ NA	0.00%	0.00%	0.00%	
PREFERRED STOCK	-	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY (see note)	NA	100.00%	8.00%	8.00%	8.00%
TOTAL INVESTMENT RETURN	\$ 0	100.00%		8.00%	8.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800 PROXY PER INTERPRETIVE GUIDANCE DOCUMENT FOR IMPLEMENTATION RULE SECT. I.I.A.2 FOR AN MTO

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit + Eq. AFUDC of Deprec. Exp.)}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0800 + \left(\frac{0 + 0}{4,732,112} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit + Eq. AFUDC of Deprec. Exp.)}}{\text{PTF Inv. Base}} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}}}{1} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0800 + \left(\frac{0 + 0}{4,732,112} \right) + \frac{0.0000000}{0}}{1} \right) \times 0$$

= 0.0000000

(a)+(b)+(c) Cost of Capital Rate = 0.0800000

	(PTF)	
INVESTMENT BASE	\$ 4,732,112	From Post-96 WS 1, line 13
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>378,569</u>	To Post-96 WS 1, Line 14

RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
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Post-'96

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor	(5) = (3)*(4) PTF Allocated	Reference for col (1)
<u>Transmission Plant</u>						
1	5,888,940	Directly Assigned	5,888,940	Directly Assigned	5,888,940	Post-96 WS 5, line 4
2	0	0.5718%	0	62.6658%	0	
3	5,888,940				5,888,940	
4	0				0	
<u>Transmission Plant Held for Future Use</u>						
5	0	Directly Assigned	0	Directly Assigned	0	
<u>Transmission Accumulated Depreciation</u>						
6	2,045,773	Directly Assigned	2,045,773	62.6658%	1,282,000	From MMWEC Accounting
7	0	Directly Assigned	0	Directly Assigned	0	
8	0				1,282,000	
9	NA	0	NA	0	NA	
<u>Transmission Accumulated Deferred Taxes</u>						
10	0	Directly Assigned	0	Directly Assigned	0	
11	0		0		0	
12	0				0	
13	NA	NA	NA	NA	(b) NA	
<u>Transmission loss on Reacquired Debt</u>						
14	0		0		0	
<u>Other Regulatory Assets</u>						
15	0		0		0	
16	0		0		0	
17	0		0		0	
18	0				0	
19	628,328	0.5718%	3,593	62.6658%	2,252	From MMWEC Accounting
20	7,455,363	1.9941%	148,667	62.6658%	93,163	From MMWEC Accounting
<u>Cash Working Capital</u>						
22					54,680	Post-96 WS 1, Line 21
23					96,123	Post-96 WS 1, Line 22
24					87,257	From MMWEC Accounting
25					238,060	
26					0.125	x 45 / 360
27					29,757	

Notes/ References:

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Post-'96

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF/HTF Allocation Factor	(5) = (3)/(4) PTF Allocated	Reference for col (1)
<u>Depreciation Expense</u>						
1	202,338	Directly Assigned	202,338	62.6658%	126,797	MMWEC Accounting Data
2	0	0.5718%	0	62.6658%	0	
3	0				126,797	
4	0		0		0	
5	0		0		0	
<u>Property Taxes</u>						
6	143,816	Directly Assigned	143,816	62.6658% (a)	90,123	MMWEC Accounting Data
7	0		0		0	
8	143,816				90,123	
<u>Transmission Operation and Maintenance</u>						
9	87,257	Directly Assigned (c)	87,257	62.6658% (a)	54,680	MMWEC Accounting Data
10	0		0		0	
11	0		0		0	
12	0		0		0	
13	87,257				54,680	
<u>Transmission Administrative and General</u>						
14	3,482,490					MMWEC Accounting Data
15	246,817					MMWEC Accounting Data
16	0					
17	0					
18	3,235,673	0.5718% (b)	18,500	62.6658% (a)	11,593	
19	81,446	Directly Assigned	81,446	Directly Assigned	81,446	
20	246,817	1.9941%	4,922	62.6658% (a)	3,084	MMWEC Accounting Data
21	0	1.9941%	0	62.6658% (a)	0	
22	0		0		0	
23	3,482,490					
24	81,446					
25	3,563,936				96,123 (a)	
26	603,115	0.5718% (b)	3,448	62.6658% (a)	2,161	MMWEC Accounting Data

RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff

Post-'96

Shading denotes an input

Line No.		MMWEC	Reference
<u>PTF/HTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment (Pre 1997)	2,317,349	From Data Support 1 worksheet
2	Total Transmission Investment	9,397,378	From Data Support 1 worksheet
3	Percent Allocation	<u>24.6595%</u>	Line 1 / line 2
<u>PTF/HTF Transmission Plant Allocation Factor</u>			
4	PTF Transmission Investment (Post-1996)	5,888,940	From Data Support 1 worksheet
5	Total Transmission Investment	9,397,378	From Data Support 1 worksheet
6	Percent Allocation	<u>62.6658%</u>	Line 4 / line 5
<u>Transmission Wages and Salaries Allocation Factor</u>			
7	Direct Transmission Wages and Salaries	43,866	From MMWEC Accounting Data
8	Affiliated Company Transmission Wages and Salaries	0	
9	Total Transmission Wages and Salaries	43,866	Sum Lines 7 + 8
10	Total Wages and Salaries	7,765,554	From MMWEC Accounting Data
11	Administrative and General Wages and Salaries	93,432	From MMWEC Accounting Data
12	Affiliated Company Wages and Salaries less A&G	0	
13	Total Wages and Salaries net of A&G	7,672,123	Sum Lines 10 + 11 + 12
14	Percent Allocation	<u>0.5718%</u>	Line 9 / Line 13
<u>Plant Allocation Factor</u>			
15	Total Transmission Investment	9,397,378	From Data Support 1 worksheet
16	plus Transmission-Related General Plant	0	
17	Total Transmission Related Investment	9,397,378	Sum Lines 15 + 16
18	Total Plant in Service	471,257,719	From Data Support 1 worksheet
19	Percent Allocation	<u>1.9941%</u>	Line 17 / Line 18
<u>Pre-1997 and Post 1996 Transmission Plant</u>			
20	PTF PRE 1997 Transmission Investment	2,317,349	From Data Support 1 worksheet
21	PTF POST 1996 Transmission Investment	5,888,940	From Data Support 1 worksheet
22	Total PTF Transmission Plant	8,206,289	Sum Lines 20 + 21
23	Percentage PTF PRE 1997 Transmission Investment	28.2387%	Line 20 / Line 22
24	Percentage PTF POST 1996 Transmission Investment	71.7613%	Line 21 / Line 22
25	Total PTF Transmission Plant Percentage	100.0000%	Sum Lines 23 + 24

Notes

- 1 Total Transmission Plant In-Service reflects MMWEC's share of the Seabrook Switchyard, excluding the GSU. PTF-related Plant-In-Service is based on records of majority owner (NHT) based on a FERC-accepted study - 2004 ABB Study. Pre-97 and Post-96 vintaging is also based on NHT percentage of PTF Plant In Service.
- 2 Transmission Wages and Salaries Allocation Factor is derived from MMWEC's share of wages and salaries incurred by Seabrook Station.

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

**Post-'96
Affiliated Company Wages and Salaries**

Shading denotes an input

<u>Line</u>	<u>MMWEC</u>
<u>"Affiliated" Transmission Wages and Salaries</u>	
<u>#560 - 573</u>	
1 560	0
2 562	0
3 564	0
4 566	0
5 568	0
6 569	0
7 570	0
8 571	0
9 572	0
10 573	0
11 Total Transmission (1 thru 10)	<u>0</u>
12 Total "Affiliated" Wages and Salaries	<u>0</u>
<u>Less "Affiliated" Administrative and General Salaries</u>	
<u>#920 - 935</u>	
13 920	0
14 921	0
15 923	0
16 925	0
17 926	0
18 928	0
19 930	0
20 935	0
21 Total Affiliated Administrative and General Salaries (13 thru 20)	<u>0</u>
22 = 12 Total "Affiliated" less A&G	<u>0</u>

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Post-'96

Input Revenues associated with the NPTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Post-97 WS1, Lines 23 and 24.

Shading denotes an input			MMWEC	
Participant	PTF Supporting Facilities	FERC Form 1	Revenues (a)	Expenses (b)
NEP				0
	Not Applicable to Post-96 Period			0
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Post-96 WS3, Line 24, Column 5) 0

**RTO-NE Regional Transmission Service
MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Forecast Transmission Revenue Requirements of PTF Facilities

		Attachment F			
	I. <u>FORECASTED TRANSMISSION REVENUE REQUIREMENTS</u>	<u>Period</u>	<u>Reference Section:</u>	MMWEC	<u>Reference</u>
Line No.					
1	Forecasted Transmission Plant Additions	2014	Appendix C	\$254,605	Note 1
2	Carrying Charge Factor		Appendix C	12.71%	Line 15
3	Total Forecasted Revenue Requirements (Lines 1*2)			<u>\$32,359</u>	Line 1 x Line 2
	II. <u>CARRYING CHARGE FACTOR</u>				
4	Investment Return and Income Taxes (Post-'96 / Pre-'04 Investments)		(A)	\$378,569	Post-96, WS 1, line 14
5	Incentive Investment Return and Income Taxes (Eligible Investments)			0	Post-96, WS 1, line 15
6	Depreciation Expense		(B)	126,797	Post-96, WS 1, line 16
7	Amortization of Loss on Reacquired Debt		(C)	0	Post-96, WS 1, line 17
8	Investment Tax Credit		(D)	0	Post-96, WS 1, line 18
9	Property Tax Expense		(E)	90,123	Post-96, WS 1, line 19
10	Payroll Tax Expense		(F)	2,161	Post-96, WS 1, line 20
11	Operation & Maintenance Expense		(G)	54,680	Post-96, WS 1, line 21
12	Administrative & General Expense		(H)	96,123	Post-96, WS 1, line 22
13	Total Expenses (Lines 4 thru 12)			<u>\$748,453</u>	Sum lines 4 thru 12
14	PTF Transmission Plant		(A)(1)(a)	<u>\$5,888,940</u>	Post-96, WS 1, line 4
15	Carrying Charge Factor (Lines 13/14)			<u>12.71%</u>	Line 13 / Line 15

Note: Forecast Plant Addition includes following projects expected to be placed in service / closed to books by 12/31/14 Per NHT (MMWEC Share):

1	Protective Relay Upgrade System Phase II	\$	93,512
2	369 Line Structural TTR6		65,368
3	Battery Monitoring System 1-Battery 3-Relay Room		33,914
4	Battery Monitoring System 2-Battery 4-Relay Room		23,683
5	100A Hi-Pot Recepticles in PA Switchyard		11,593
6	SF6 Leak Repair		8,695
7	Capital Tools		7,876
8	Fixed Asset Solutions Project		6,843
9	Compliance System Development Costs		1,743
10	FERC Module Costs		<u>1,378</u>
	Total Forecast Capital Additions		254,605

**MMWEC's Seabrook PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Short-Term Revenues Received Under ISO-NE Tariff

Line No.	(a) Revenue Source	(b) Total Amount	Reference
1	TOUT Revenues	\$131	NHT Accounting
2	Post-96 PTF Plant Allocator	71.8%	Post-96 WS5, line 24
3	Pre-97 PTF Plant Allocator	28.2%	Post-96 WS5, line 23
4	Post-96 Revenues	\$94	Line 1 x Line 2
5	Pre-97 Revenues	\$37	Line 1 x Line 3

MMWEC
Annual Revenue Requirements of PTF Facilities
Supporting True Up for Rates Effective June 1, 2013

Shading denotes an input

Line No.	Attachment F Reference Section:	PRE97		POST 1996		Reference
I. INVESTMENT BASE						
1						
	Transmission Plant	\$	2,317,349	\$	5,888,940	Per-97 and Post-96 WS1
2	General Plant	Appendix C	0		0	Per-97 and Post-96 WS1
3	Plant Held For Future Use	Appendix C	0		0	Per-97 and Post-96 WS1
4	Total Plant (Lines 1+2+3)		\$ 2,317,349		\$ 5,888,940	Per-97 and Post-96 WS1
5	Accumulated Depreciation	Appendix C	\$ 504,477	\$	1,282,000	Per-97 and Post-96 WS1
6	Accumulated Deferred Income Taxes	Appendix C	0		0	Per-97 and Post-96 WS1
7	Loss On Reacquired Debt	Appendix C	0		0	Per-97 and Post-96 WS1
8	Other Regulatory Assets	Appendix C	0		0	Per-97 and Post-96 WS1
9	Net Investment (Line 4-5-6+7+8)		\$ 1,812,872	\$	4,606,940	Per-97 and Post-96 WS1
10	Prepayments	Appendix C	886		2,252	Per-97 and Post-96 WS1
11	Materials & Supplies	Appendix C	36,661		93,163	Per-97 and Post-96 WS1
12	Cash Working Capital	Appendix C	13,592		29,757	Per-97 and Post-96 WS1
13	Total Investment Base (Line 9+10+11+12)		\$ 1,864,011	\$	4,732,112	Per-97 and Post-96 WS1
II. REVENUE REQUIREMENTS						
14	Investment Return and Income Taxes	Appendix C	\$ 149,121	\$	378,569	Per-97 and Post-96 WS1
15	Incentive Return and Income Taxes (Post-2003 Investments)	Appendix C			0	Per-97 and Post-96 WS1
16	Depreciation Expense	Appendix C	49,895		126,797	Per-97 and Post-96 WS1
17	Amortization of Loss on Reacquired Debt	Appendix C	0		0	Per-97 and Post-96 WS1
18	Investment Tax Credit	Appendix C	0		0	Per-97 and Post-96 WS1
19	Property Tax Expense	Appendix C	35,464		90,123	Per-97 and Post-96 WS1
20	Payroll Tax Expense	Appendix C	850		2,161	Per-97 and Post-96 WS1
21	Operation & Maintenance Expense	Appendix C	21,517		54,680	Per-97 and Post-96 WS1
22	Administrative & General Expense	Appendix C	87,222		96,123	Per-97 and Post-96 WS1
23	Transmission Related Integrated Facilities Charge	Appendix C	0		0	Per-97 and Post-96 WS1
24	Transmission Support Revenue	Appendix C	0		0	Per-97 and Post-96 WS1
25	Transmission Support Expense	Appendix C	0		0	Per-97 and Post-96 WS1
26	Transmission Related Expense from Generators	Appendix C	0		0	Per-97 and Post-96 WS1
27	Transmission Related Taxes and Fees Charge	Appendix C	0		0	Per-97 and Post-96 WS1
28	Revenue for ST Trans. Service Under NEPOOL Tariff	Appendix C	(37)		(94)	Per-97 and Post-96 WS1
29	Transmission Rents Received from Electric Property	Appendix C	0		0	Per-97 and Post-96 WS1
30	Restated per 2013 Accounting Data Total Revenue Requirements (Line 14 thru 28)		\$ 344,032	\$	748,359	Per-97 and Post-96 WS1
31	As-Filed / Billed June 1, 2013 - May 31, 2014 less True-Up component		\$ 293,090	\$	750,199	June 2, 2009 RNS Rates
32	True-Up (Over) / Under Collection (line 30-31)		\$ 50,942	\$	(1,840)	line 30 less line 31

MMWEC
FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities

Undercollection / (Overcollection)							
PRE97	\$ 50,942	Under collection					
Post1996	\$ (1,840)	Over collection					
Net Total	\$ 49,102	Under collection					
Line No.	Initial Billing Period	PRE97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE97 Interest	POST 1996 Interest	
1	June 2013	\$ 50,942.21	\$ (1,840)	0.27%	\$ 137.54	\$ (5)	
2	July 2013	51,079.76	(1,844.96)	0.28%	143.02	(5.17)	
3	August 2013	51,079.76	(1,844.96)	0.28%	143.02	(5.17)	
4	September 2013	51,079.76	(1,844.96)	0.27%	137.92	(4.98)	
6	October 2013	51,503.72	(1,860.27)	0.28%	144.21	(5.21)	
7	November 2013	51,503.72	(1,860.27)	0.27%	139.06	(5.02)	
8	December 2013	51,503.72	(1,860.27)	0.28%	144.21	(5.21)	
9	January 2014	51,931.20	(1,875.71)	0.28%	145.41	(5.25)	
10	February 2014	51,931.20	(1,875.71)	0.25%	129.83	(4.69)	
11	March 2014	51,931.20	(1,875.71)	0.28%	145.41	(5.25)	
12	April 2014	52,351.84	(1,890.91)	0.27%	141.35	(5.11)	
13	May 2014	52,351.84	(1,890.91)	0.28%	146.59	(5.29)	
14			Total Interest		\$ 1,698	\$ (61)	\$ 1,636
15			True-Up		\$ 50,942	\$ (1,840)	\$ 49,102
16			Total TU & Int		\$ 52,640	\$ (1,901)	\$ 50,738 Under Collector Surcharge to PT

FERC
ACTUAL
BILL CODES

Seabrook transmission plant in service

MMWEC Books	DEC 2013	DEC 2012	YEAR 2012
100SE	3530S0	127,311.70	121,021.59
100SE	3530SR	(7,473.11)	(7,282.31)
400P	3530S0	3,371,907.90	3,204,467.02
400P	3530SR	(189,426.06)	(184,346.94)
500P	3530S0	857,812.51	815,430.35
500P	3530SR	(49,991.20)	(48,705.59)
800	3530S0	4,693,667.10	4,461,765.91
800	3530SR	(276,514.69)	(266,480.23)
	subtotal	8,528,294.15	8,093,869.80
	Remove Seabrook Site portion of switchyard upgrade (N-0989 -Prj 52)	1,170,836.21	1,170,836.21
	subtotal (excludes MMWECs share of Seabrook Site portion (\$10 M) of Switchyard upgrade project)	7,357,457.94	6,923,033.59
	change		0.00 542,149.13
	switchyard upgrade-NHT	6,675,341.37	6,411,880.58
	switchyard upgrade-(N-0989-Prj 52)	1,170,836.21	1,170,836.21
	Total Switchyard upgrade project	7,846,177.58	7,582,716.80
	change		128,773.03
	Remove % of Switchyard proj directly assigned to generation (48.3725% 2012-2010; 37.6627% 2009)	(3,795,392.25)	(3,667,949.68)
	Remove GSU	(2,229,485.31)	(2,229,485.31)
	Adj to MMWEC share of FPL based on deprec 2004 study	218,620.32	218,620.32
	Total Trans plant in service	9,397,378.28	8,826,935.71
	Total Plant In Service includes GSU and 100% of switchyard upgrade costs	477,282,596.12	471,214,445.53
	% of Trans Plant to Total Plant (incl NHT)	1.968934%	1.873231%
	Total Plant In Service excludes GSU and % of switchyard project directly assigned to generation	471,257,718.56	465,317,010.54
	% of Trans Plant to Total Plant (incl NHT)	1.994106%	1.896972%
	Transmission plant in service		
	Monthly depreciation- calculated using prior month balances (2013 using current month)	16,861.48	15,436.05 177,557.54
	Transmission plant in service		
	Accumulated depreciation	2,045,773	1,860,540.74
	Net Transmission Plant In Service	7,351,604.98	6,966,394.97
	PTF alloc factor	0.896062	0.896062
	Net Transmission Plant In Service - PTF	6,587,493.86	6,242,321.81
	Monthly Depreciation - PTF	15,108.93	13,831.65

Retrieved from Essbase see brown highlighted tabs

# of Months off Depreciation schedules	436	448
PTF Allocation Factor per NHT Records	87.3253%	89.6062%
PTF Transmission Plant In-Service	8,206,289	7,909,482
Pre-97 Factor per NHT	28.2387%	30.0636%
Pre-97 PTF Transmission Plant In-Service	2,317,349.27	2,377,874.93
Post-96 PTF Factor per NHT	71.7613%	1.00 69.9364%
Post-97 PTF Transmission Plant In-Service	5,888,939.50	5,531,606.74

MMWEC Cost Data for 2013 for June 1 2014 Rates

	Assets	MMWEC Accounting	Notes
ELECTRIC UTILITY PLAN:			
Transmission Plant in service		\$ 9,397,378	MMWEC's Share of Total Seabrook Substation
Held for Future Use		-	
Electric Plant In Service Subcategory:			
Seabrook Substation Pool-Supported PTF Plant		\$ 8,206,289	Based on NHT's percentage of Pool-Supported Seabrook Substation PTF
Seabrook Substation not Pool-Supported PTF		1,191,090	Based on NHT's percentage of Seabrook Substation that is not Pool-Supported PTF
Total Transmission Plant In-Service (incl. Plant Held for Future Use)		<u>\$ 9,397,378</u>	
Construction work in progress			
Total Seabrook Related General Plant		\$ -	Omitted due to lack of detail to determine General Plant Related Accumulated Depreciation Reserve
Accumulated Provision for Depreciation Transmission Plant		\$ 2,045,773	From MMEC Accounting
Accumulated Provision for Depreciation Subfunctional Category:			
Seabrook Substation Pool-Supported PTF Plant Related		\$ 1,786,478	Based on NHT's percentage of Pool-Supported Seabrook Substation PTF
Seabrook Substation not Pool-Supported PTF Plant Related		259,296	Based on NHT's percentage of Pool-Supported Seabrook Substation PTF
General Plant Related		-	
Total Accumulated Provision		<u>\$ 2,045,773</u>	
EXPENSES			
<u>Depreciation Expense</u>			
Total Transmission - Seabrook Substation		202,338	Excluded Depreciation Reserve on GSU and other plant that is not Pool-Supported PTF
Depreciation Expense Subfunctional Category:			
Seabrook Substation Pool-Supported PTF Plant Related		176,692	Based on NHT's percentage of Pool-Supported Seabrook Substation PTF
Seabrook Substation not Pool-Supported PTF Plant Related		25,646	
General Plant Related		-	
		<u>\$ 202,338</u>	
<u>O & M Expense</u>			
O&M excluding Transmission Support Payments		87,257	SUBSTATION ONLY
Transmission Support Payments		87,257	
<u>A & G Expense</u>			
Property Insurance Expense		\$ 246,817	
Regulatory Commission Expense		-	
Other A&G Expenses (Seabrook Station charged to MMWEC)		3,235,673	
Subtotal Administrative and General Expenses		<u>\$ 3,482,490</u>	To be allocated per formula
A&G - MMWEC Support of Seabrook PTF		81,446	100% Directly Assigned to PTF
Transmission Wages and Salaries		43,866	
Administrative and General Wages and Salaries		93,432	
Total Wages and Salaries		<u>\$ 7,765,554</u>	
<u>Other</u>			
Prepayments		\$ 628,328	
Materials and Supplies		\$ 7,455,363	
FERC Account			
165	Prepayments	628,328	
408.1	Taxes Other than Income Taxes - Payroll Taxes	603,115	
408.1	Taxes Other than Income Taxes - Property Taxes	143,816	SUBSTATION ONLY
	Regulatory Commission Assessments	-	
561.5	Reliability Planning and Standards Development	-	
561.8	Reliability Planning and Standards Development Services	-	
562	Station Expense - Support Payments	87,257	
570	Total O&M excluding Support Payments	87,257	SUBSTATION ONLY
920	Administrative and General Salaries	93,433	
921	A&G - Seabrook Station A&G Salaries	93,432	
922	A&G Office Supplies and Expenses	9,234	
923	Outside Services	2,371	
924	Property Insurance	246,817	
925	Injuries and Damages	121,929	
926	Employee Pension and Benefits	3,008,706	
928	Regulatory Commission Expense	-	
930.1	General Advertising Expense	-	
930.2	Misc. General	-	

Middleborough Gas and Electric Department

Sheet: Input Panel

Input Panel

Regional Network Service
Annual Transmission Revenue Requirements
per Attachment F of the ISO New England Inc. Open Access Transmission Tariff

Shading denotes an input

Submitted on: 5/12/2014

Revenue Requirements for (year): 2013

Customer: Middleborough Gas and Electric Department

Customer's NABs Number: 79

Name of Participant responsible for customer's billing: Jacqueline L. Crowley

DUNs number of Participant responsible for customer's billing: 15-997-6665

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>390</u> (a)	<u>677,708</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>39,005</u> (c)	<u>33,822</u> (h)
Total of Attachment F - Section L through O	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>39,395</u> (e)=(a)-(b)+(c)+(d)	<u>711,530</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements		0 (m)
Annual True-up	7,598 (k)	185,017 (n)
Interest Charge on Annual True-up	253 (l)	6,165 (o)
Total = (e) + (k)+ (l) and (j) + (m) + (n) + (o)	47,246 (p)	902,712 (q)
Annual Projected 2014 Revenue Requirement Total = Sum of Pre-97 Revenue Requirements, plus Post-96 Revenue Requirements, plus Annual True-up, and plus Interest on Annual True-up:		<u><u>949,959</u></u> (r) = (p)+(q)

Middleborough Gas and Electric Department
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2013 and billed 06/13-05/14

RNS Rate

		Attachment F			
		Reference	Pre 1997	Post 1996	Reference
Line No.	I. INVESTMENT BASE	Section:			
1	Transmission Plant	I (A)(1)(a)	0	4,333,195	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	0	245,549	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	I (A)(1)(c)	0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>0</u>	<u>4,578,744</u>	
5	Accumulated Depreciation	I (A)(1)(d)	0	3,556,007	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	I (A)(1)(e)	0	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	I (A)(1)(f)	0	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	I (A)(1)(g)	0	0	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>0</u>	<u>1,022,737</u>	
10	Prepayments	I (A)(1)(h)	0	0	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	0	0	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	<u>2,360</u>	<u>31,391</u>	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		<u><u>2,360</u></u>	<u><u>1,054,128</u></u>	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	189	84,330	Worksheet 2
15	Depreciation Expense	I (B)	0	52,579	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	I (C)	0	-	Worksheet 4, line 4 column 5
17	Investment Tax Credit	I (D)	0	-	Worksheet 4, line 5 column 5
18	Property Taxes	I (E)	0	103,913	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	0	1,985	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	0	136,935	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	0	114,191	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	I (I)	0	0	
22a	Share of Seabrook Transmission Revenues Requirement		12,728	32,580	
23	Transmission Support Revenue	I (J)	0	0	Worksheet 7
24	Transmission Support Expense	I (K)	18,880	0	Worksheet 7
25	Transmission Related Expense from Generators	I (L)	0	0	
26	Transmission Related Taxes and Fees Charge	I (M)	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	I (N)	0	0	Txm related Acct 456
28	Transmission Rents Received from Electric Properties	I (O)	0	0	Txm related Acct 454-rent
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>31,797</u></u>	<u><u>526,513</u></u>	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			494,122	
31	Post-2003 Enhanced Return Addition to Revenue Requirement			-	
32	Total Post-96 PTF Revenue Requirement			494,122	
33	Post-96 PTF Transmission Plant in Service			1,370,897	
34	Post-96 Carrying Charge Factor (Post-96 CCF)			0.0%	
35	Forecasted Post-96 PTF Plant Additions			0	
36	Forecasted Post-96 Localized PTF Plant Additions			0	
37	Forecasted Post-96 Pool-Supported PTF Plant Additions			0	
38	Post-96 Estimated Incremental Revenue Requirement			<u>0</u>	

RNS Rate

**Middleborough Gas and Electric Department
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2013**

1 2013 Actual Annual RR				39,395	711,530	
2 2013 Est. Transmission Revenue Requirements (as billed)	6/13-05/14	Appendix C		<u>31,797</u>	<u>526,513</u>	Input Panel Subtotals
3 True-up (Over)/Under (Line 1 - Line 2)				7,598	185,017	ATRR - Prior Year

Pre'97	Overcollection/(Undercollection)
Post'96	\$7,598 \$185,017

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2013	\$7,598	\$185,017	0.27%	\$21	\$500
July 2013	7,619	185,517	0.28%	21	\$519
August 2013	7,619	185,517	0.28%	21	\$519
September 2013	7,619	185,517	0.27%	21	\$501
October 2013	7,682	187,056	0.28%	22	\$524
November 2013	7,682	187,056	0.27%	21	\$505
December 2013	7,682	187,056	0.28%	22	\$524
January 2014	7,746	188,609	0.28%	22	\$528
February 2014	7,746	188,609	0.25%	19	\$472
March 2014	7,746	188,609	0.28%	22	\$528
April 2014	7,808	190,137	0.27%	21	\$513
May 2014	7,808	190,137	0.28%	22	\$532
		Total Interest		\$253	\$6,165
		True-Up		\$7,598	\$185,017
		Seabrook True-Up		<u>-\$2,629</u>	<u>-\$1,728</u>
		Total TU & Int		\$5,222	\$189,454

Sheet: Input Panel

NEPOOL Tariff Billing
NEPOOL Annual Transmission Revenue Requirements
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

PRE 97

Shading denotes an input

Submitted on:	<u>12-May-14</u>
Revenue Requirements for (year):	<u>Calendar Year 2013</u>
Customer:	<u>Middleborough Gas and Electric Department</u>
Customer's NABs Number:	<u>79</u>
Name of Participant responsible for customer's billing:	<u>Jacqueline L. Crowley</u>
DUNs number of Participant responsible for customer's billing:	<u>15-597-6665</u>

	=	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I		390 (a)	<u> </u> (f)
Total of Attachment F - Section J - Support Revenue		<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense		<u>39,005</u> (c)	<u>0</u> (h)
Total of Attachment F - Section (L through O)		<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>39,395</u> (e)=(a)-(b)+(c)+(d)	<u>0</u> (j)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 39,395 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u> (h)

Voting Share Total for Participant's R Value: 39,395 (l)=(k)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2013

Shading denotes an input

		Attachment F	Middleborough	Reference
Line No.		Reference		
I. INVESTMENT BASE				
		Section:		
1	Transmission Plant	(A)(1)(a)	0	Worksheet 3a, L10
2	General Plant	(A)(1)(b)	0	Worksheet 3a, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3a, L14
4	Total Plant (Lines 1+2+3)		0	
5	Accumulated Depreciation	(A)(1)(d)	0	Worksheet 3a, L19
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3a, L24
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3a, L26
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3a, L32
9	Net Investment (Line 4-5-6+7+8)		0	
10	Prepayments	(A)(1)(h)	0	Worksheet 3a, L34
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3a, L36
12	Cash Working Capital	(A)(1)(j)	4,876	Worksheet 3a, 44
13	Total Investment Base (Line 9+10+11+12)		4,876	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	390	Worksheet 2a, E56
15	Depreciation Expense	(B)	0	Worksheet 4a, L12
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4a, L14
17	Investment Tax Credit	(D)	0	Worksheet 4a, L16
18	Property Tax Expense	(E)	0	Worksheet 4a, L21
19	Payroll Tax Expense	(F)	0	Worksheet 4a, L42
20	Operation & Maintenance Expense	(G)	0	Worksheet 4a, L29
21	Administrative & General Expense	(H)	0	Worksheet 4a, L40
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	39,005	Worksheet 7, E51
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		39,395	
			390	

Middleborough Gas and Electric Department

Calendar Year 2013

Shading denotes an input

	CAPITALIZATION	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \text{Federal Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 4,876}{1} \right) \times 0$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{State Income Tax Rate}}{1} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 4,876}{1} \right) \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

(PTF)

INVESTMENT BASE	\$ 4,876	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>390</u>	To Worksheet 1

Middleborough Gas and Electric Department

Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 4,283,443		4,283,443		0	Worksheet 5, E12
2	\$ 6,585,700	6.0858% (a)	400,793	0.0000%	0	Page 8B line 29(g)
3			<u>4,684,236</u>		<u>0</u>	
4	0		0	0.0000%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	2,835,515		2,835,515	0.0000%	0	Page 8A, line 31(g) less Page 16, line 31(g)
6	4,461,941	6.0858% (a)	271,545	0.0000%	0	Page 8B, line 29(g) less Page 17, line 29(g)
7			<u>3,107,060</u>		<u>0</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	11.0412% (c)	0	0.0000%	0	None known
9	0	11.0412% (c)	0	0.0000%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	11.0412% (c)	0	0.0000%	0	None known
<u>Other Regulatory Assets</u>						
12	0	6.0858% (a)	0	0.0000%	0	None known
13	0	11.0412% (c)	0	0.0000%	0	None known
14	0	11.0412% (c)	0	0.0000%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	0	6.0858% (a)	0	0.0000%	0	Page 10, Line 26 MA DTE
17	0	6.0858%	0	0.0000%	0	Page 10, Line 24 MA DTE
<u>Cash Working Capital</u>						
19					0	Worksheet 1, Line 20
20					0	Worksheet 1, Line 21
21					39,005	Worksheet 1, Line 24
22					<u>39,005</u>	
23					0.125	x 45 / 360
24					<u>4,876</u>	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
Depreciation Expense						
1	12,735		12,735	0.0000%	0	Page 16, line 31(d)
2	357,797	6.0858% (a)	21,775	0.0000%	0	Page 17, line 29(d)
3			34,510		0	
4	0	11.0412% (c)	0	0.0000%	0	None known
5	0	11.0412% (c)	0	0.0000%	0	None known
Property Taxes *						
6	606,666	0.110412	66,983	0.0000%	0	Page 21, line 33 (b)
7	606,666	6.0858% (a)	36,920	0.0000%	0	Page 21, line 33 (b)
8			103,903		0	
Transmission Operation and Maintenance						
9	3,452,555		3,452,555	0	0	Page 40, line 50(b)
10	3,155,744		3,155,744	0	0	Page 40, line 38(b)
11	0		0	0	0	Page 40, line 34(b)
12	74,090		74,090	0	0	Page 40, line 35(b) 40(b)
13	222,721		296,811	0.0000%	0	
Transmission Administrative and General						
14	2,982,537					Page 42, line 5(b)
15	247,246					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	63,412					assumed none
18	2,671,879	6.0858% (a)	162,605	0.0000%	0	
19	247,246	0.0000% (c)	0	0.0000%	0	
20	0	11.0412% (c)	0	0.0000%	0	
21	0	11.0412% (c)	0	0.0000%	0	
22	2,919,125		162,605		0	
23	52,008	6.0858% (a)	3,165	0.0000%	0	Per company workpapers

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Calendar Year 2013

Shading denotes an input

<u>Line No.</u>		<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>		
	Middleborough	
1	PTF Transmission Investment	
2	Total Transmission Investment	Per Company Workpapers Page 8A, line 31(g)
	0	
	4,283,443	
3	Percent Allocation (Line 1/Line 2)	
	0.0000%	
<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	See MGED General Ledger Worksheet 6 of 7
5	Affiliated Company Transmission Wages and Salaries	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	
	201,153	
	0	
	201,153	
7	Total Wages and Salaries	Page 42, line 24 (c)
8	Administrative and General Wages and Salaries	Page 41, line 43(b)
9	Affiliated Company Wages and Salaries less A&G	Worksheet 6
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	
	3,366,176	
	60,897	
	0	
	3,305,279	
11	Percent Allocation (Line 6/Line 10)	
	6.0858%	
<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	
	4,283,443	
	400,793	
	4,684,236	
15	Total Plant in Service	Page 8B, line 30 (g)
	42,425,213	
16	Percent Allocation (Line 14 / Line 15)	
	11.0412%	

Affiliated Company Wages and Salaries

Shading denotes an input
Calendar Year 2013

Line	Middleborough
"Affiliated" Transmission Wages and Salaries	
#560 - 573	
1	560
2	562
3	564
4	566
5	568
6	569
7	570
8	571
9	572
10	573
11 = 1 thru 10	Total Transmission
	0
12 = Total "Affiliated" Wages and Salaries	
	0
Less "Affiliated" Administrative and General Salaries	
#920 - 935	
13	920
14	921
15	923
16	925
17	926
18	928
19	930
20	935
21 = 13 thru 20	Total
	0
22 = 12 less 21	
	Total "Affiliated" less A&G
	0

Middleborough Gas and Electric Department

PTF Revenue Requirements
Worksheet 7 of 7

Sheet: Worksheet 7

Calendar Year 2013

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		\$517
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			439
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			\$2,814
	Pool PTF Paments			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
NEP	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		\$6,595
	345 kV Golden Hills-Mystic 349 line			0
	345 kV NH/MA border-Tewksbury 394 line	332(g)		\$1,884
	115 kV Read - Washington V148 line			
NU	345 kV 363, 369 and 394 Seabrook lines			\$1,912
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		7,617
	UI Substations	330.1(n)		
Seabrook	CMP	330.1(n)		
				\$17,227
Total =			0	39,005

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Sheet: Input Panel

NEPOOL Tariff Billing
NEPOOL Annual Transmission Revenue Requirements
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

POST 96

Submitted on: 12-May-14

Revenue Requirements for (year): Calendar Year 2013

Customer: Middleborough Gas and Electric Department

Customer's NABs Number: 79

Name of Participant responsible for customer's billing: Jacqueline L. Crowley

DUNs number of Participant responsible for customer's billing: 15-597-6665

		<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	=	 (a)	<u>677,708</u> (f)
Total of Attachment F - Section J - Support Revenue		<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense		 (c)	<u>33,822</u> (h)
Total of Attachment F - Section (L through O)		<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>0</u> (e)=(a)-(b)+(c)+(d)	<u>711,530</u> (j)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:			<u>711,530</u> (k) = (e) + (j)
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)			<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)			<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)			<u>33,822</u> (h)
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)			<u><u>677,708</u></u> (l)=(k)+(b)+(g)-(h)

Calendar Year 2013

Shading denotes an input

Line No.	I. INVESTMENT BASE	Attachment F Reference	Middleborough	Reference
		Section:		
1	Transmission Plant	(A)(1)(a)	4,283,443	Worksheet 3a, L10
2	General Plant	(A)(1)(b)	400,793	Worksheet 3a, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3a, L14
4	Total Plant (Lines 1+2+3)		4,684,236	
5	Accumulated Depreciation	(A)(1)(d)	3,107,060	Worksheet 3a, L19
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3a, L24
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3a, L26
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3a, L32
9	Net Investment (Line 4-5-6+7+8)		1,577,176	
10	Prepayments	(A)(1)(h)	0	Worksheet 3a, L34
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3a, L36
12	Cash Working Capital	(A)(1)(j)	55,548	Worksheet 3a, 44
13	Total Investment Base (Line 9+10+11+12)		1,632,724	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	130,618	Worksheet 2a, E56
15	Depreciation Expense	(B)	34,510	Worksheet 4a, L12
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4a, L14
17	Investment Tax Credit	(D)	0	Worksheet 4a, L16
18	Property Tax Expense	(E)	98,850	Worksheet 4a, L21
19	Payroll Tax Expense	(F)	3,165	Worksheet 4a, L42
20	Operation & Maintenance Expense	(G)	222,721	Worksheet 4a, L29
21	Administrative & General Expense	(H)	187,844	Worksheet 4a, L40
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	33,822	Worksheet 7, E51
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		711,530	

Middleborough Gas and Electric Department

Calendar Year 2013

Shading denotes an input

	CAPITALIZATION	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{1,632,724} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{1,632,724} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

	(PTF)	
INVESTMENT BASE	\$ 1,632,724	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>130,618</u>	To Worksheet 1

Middleborough Gas and Electric Department

Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 4,283,443		4,283,443		4,283,443	Worksheet 5, E12 Page 8B line 29(g)
2	\$ 6,585,700	6.0858% (a)	400,793	100.0000%	400,793	
3			<u>4,684,236</u>		<u>4,684,236</u>	
4	0		0	100.0000%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	2,835,515		2,835,515	100.0000%	2,835,515	Page 8A, line 31(g) less Page 16, line 31(g) Page 8B, line 29(g) less Page 17, line 29(g)
6	4,461,941	6.0858% (a)	271,545	100.0000%	271,545	
7			<u>3,107,060</u>		<u>3,107,060</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	10.2082% (c)	0	100.0000%	0	None known
9	0	10.2082% (c)	0	100.0000%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	10.2082% (c)	0	100.0000%	0	None known
<u>Other Regulatory Assets</u>						
12	0	6.0858% (a)	0	100.0000%	0	None known
13	0	10.2082% (c)	0	100.0000%	0	None known
14	0	10.2082% (c)	0	100.0000%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	0	6.0858% (a)	0	100.0000%	0	Page 10, Line 26 MA DTE
17	0	6.0858%	0	100.0000%	0	Page 10, Line 24 MA DTE
<u>Cash Working Capital</u>						
19					222,721	Worksheet 1, Line 20
20					187,844	Worksheet 1, Line 21
21					33,822	Worksheet 1, Line 24
22					<u>444,387</u>	
23					0.125	x 45 / 360
24					<u>55,548</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

Middleborough Gas and Electric Department

Calendar Year 2013

		(2)	(4)			
Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Depreciation Expense</u>						
1	Transmission Depreciation		12,735	100.0000%	12,735	Page 16, line 31(d)
2	General Depreciation	6.0858% (a)	21,775	100.0000%	21,775	Page 17, line 29(d)
3	Total (line 1+2)		34,510		34,510	
4	<u>Amortization of Loss on Reacquired Debt</u>	10.2082% (c)	0	100.0000%	0	None known
5	<u>Amortization of Investment Tax Credits</u>	10.2082% (c)	0	100.0000%	0	None known
<u>Property Taxes *</u>						
6	Transmission Property Taxes	10.2082% (c)	61,930	100.0000%	61,930	Page 21, line 33 (b)
7	General Property Taxes	6.0858% (a)	36,920	100.0000%	36,920	Page 21, line 33 (b)
8	Total (line 6+7)		98,850		98,850	
<u>Transmission Operation and Maintenance</u>						
9	Operation and Maintenance		3,452,555	1	3,452,555	Page 40, line 50(b)
10	Transmission of Electricity by Others - #565		3,155,744	1	3,155,744	Page 40, line 38(b)
11	Load Dispatching - #561		0	1	0	Page 40, line 34(b)
12	**Station Expenses & Rents - #562 / #567		74,090	1	74,090	Page 40, line 35(b) 40(b)
13	O&M less lines 10, 11 & 12		296,811	100.0000%	222,721	
<u>Transmission Administrative and General</u>						
14	Administrative and General		2,982,537			Page 42, line 5(b)
15	less Property Insurance (#924)		247,246			Page 41, line 47(b)
16	less Regulatory Commission Expenses (#928)		0			Page 41, line 50(b)
17	less General Advertising Expense (#930.1)		63,412			assumed none
18	Subtotal [line 14 minus (15 thru 17)]		2,671,879	6.0858% (a)	162,605	100.0000%
19	PLUS Property Insurance alloc. using Plant Allocation	10.2082% (c)	25,239	100.0000%	25,239	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	10.2082% (c)	0	100.0000%	0	
21	PLUS Trans. Related General Advertising Expense	10.2082% (c)	0	100.0000%	0	
22	Total A&G [line 18 plus (19 thru 21)]		187,844		187,844	
23	<u>Payroll Tax Expense</u>	6.0858% (a)	3,165	100.0000%	3,165	Per company workpapers

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Shading denotes an input

Calendar Year 2013

Line No. Mass DTE AR Reference

PTF Transmission Plant Allocation Factor

Middleborough

1	PTF Transmission Investment	4,283,443	
2	Total Transmission Investment	4,283,443	Per Company Workpapers Page 8A, line 31(g)
3	Percent Allocation (Line 1/Line 2)	<u>100.0000%</u>	

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	201,153	
5	Affiliated Company Transmission Wages and Salaries	<u>0</u>	See MGED General Ledger Worksheet 6 of 7
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	201,153	
7	Total Wages and Salaries	3,366,176	Page 42, line 24 (c)
8	Administrative and General Wages and Salaries	60,897	Page 41, line 43(b)
9	Affiliated Company Wages and Salaries less A&G	<u>0</u>	Worksheet 6
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	3,305,279	
11	Percent Allocation (Line 6/Line 10)	<u>6.0858%</u>	

Plant Allocation Factor

12	Total Transmission Investment	4,283,443	
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	47,416	Line 2
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	<u>4,330,859</u>	<i>Worksheet 3, Line 2</i>
15	Total Plant in Service	42,425,213	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	<u>10.2082%</u>	

Affiliated Company Wages and Salaries

Shading denotes an input

Calendar Year 2013

Line		Middleborough
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 = Total "Affiliated" Wages and Salaries		
		0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21		0
		Total "Affiliated" less A&G

Middleborough

PTF Revenue Requirements

Sheet: Worksheet 7

Calendar Year 2013

Worksheet 7 of 7

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		0
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Seabrook				33,822
Total =			0	33,822

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

**ISO-NE Tariff Billing
PTO Annual Transmission Revenue Requirements
per OATT Attachment F**

Submitted on:	<u>May 12, 2014</u>
Revenue Requirements for (test year):	<u>Calendar Year 2013</u>
Rates Effective for the period:	<u>June 1, 2014</u>
through:	<u>May 31, 2015</u>
Customer:	<u>MEPCO</u>
Customer's NABs Number:	<u></u>
Name of Participant responsible for customer's billing:	<u>Central Maine Power Company</u>
DUNs number of Participant responsible for customer's billing:	<u>006948954</u>

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	= \$ <u>2,628,818</u> (a)	\$ <u>1,558,029</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>-</u> (b)	<u>-</u> (g)
Total of Attachment F - Section K - Support Expense	<u>-</u> (c)	<u>-</u> (h)
Total of Attachment F - Section (L through P)	<u>(1,774,179)</u> (d)	<u>(1,051,507)</u> (i)
Sub Total - Sum (A through I) - J + K + (L through P)	<u>854,639</u> (e)=(a)-(b)+(c)+(d)	<u>506,522</u> (j)
Forecasted Transmission Revenue Requirements (per Appendix C to Attachment F Implementation Rule)	<u></u>	<u>586,119</u> (k)
Annual True-up (per Appendix C to Attachment F Implementation Rule)	<u>2,250,763</u> (l)	<u>621,475</u> (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>\$ 3,105,402</u> (n)=(e)+(l)	<u>\$ 1,714,115</u> (o)=(j)+(k)+(m)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)	<u>\$ 4,819,517</u> (p) = (n)+(o)	

**Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013**

Line No.	Attachment F Reference	Total	Post-96	Pre-97	Reference
II. INVESTMENT BASE					
1	Transmission Plant	\$ 33,145,099	\$ 12,334,108	\$ 20,810,991	w/s 6, line 1 column 5
2	General Plant	1,243,317	462,669	780,648	w/s 6, line 2 column 5
3	Transmission Plant Held for Future Use	-	-	-	w/s 6, line 4 column 5
4	Total Plant (Lines 1+2+3)	<u>34,388,416</u>	<u>12,796,777</u>	<u>21,591,639</u>	
5	Accumulated Depreciation	(24,390,420)	(9,076,276)	(15,314,144)	w/s 6, line 7 column 5
6	Accumulated Deferred Income Taxes	(2,069,734)	(770,199)	(1,299,535)	w/s 6, line 10 column 5
7	Unamortized loss on Reacquired Debt	-	-	-	w/s 6, line 11 column 5
8	Other Regulatory Assets	0	0	0	w/s 6, line 14 column 5
9	Net Investment (Line 4+5+6+7+8)	<u>7,928,262</u>	<u>2,950,302</u>	<u>4,977,960</u>	
10	Transmission Prepayments	36,571	13,609	22,962	w/s 6, line 15 column 5
11	Transmission Materials and Supplies	0	0	0	w/s 6, line 16 column 5
12	Cash Working Capital	<u>195,157</u>	<u>72,623</u>	<u>122,534</u>	w/s 6, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)	<u>\$ 8,159,990</u>	<u>\$ 3,036,533</u>	<u>\$ 5,123,457</u>	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	\$ 1,604,552	\$ 597,093	\$ 1,007,459	w/s 2, line 12
15	Depreciation Expense	518,174	192,825	325,349	w/s 7, line 3 column 5
16	Amortization of Loss on Reacquired Debt	-	-	-	w/s 7, line 4 column 5
17	Amortization of Investment Tax Credits	-	-	-	w/s 7, line 5 column 5
18	Total Taxes	502,864	187,128	315,736	w/s 7, line 8 column 5
19	Operation and Maintenance Expense	1,462,453	544,215	918,238	w/s 7, line 14 column 5
20	Administrative and General Expense	98,804	36,767	62,037	w/s 7, line 23 column 5
21	Transmission Related Integrated Facilities Charge	-	-	-	
22	Transmission Support Expenses	-	-	-	
23	Transmission Support Revenues	-	-	-	
24	Transmission Related Expense from Generators	-	-	-	
25	Transmission Related Taxes and Fees Charge	-	-	-	
26	Revenue for Trans. Service Under ISO Tariff	(1,623,023.99)	(603,967.21)	(1,019,056.78)	FF1 p450 notes for p328.7.m
27	Transmission Rents Received from Electric Property	(247,787)	(92,208)	(155,579)	FF1 p.300.19.b
28	MG TSA Revenue	<u>(954,875.00)</u>	<u>(355,332.51)</u>	<u>(599,542.49)</u>	FF1 p.300.1-5.n
29	Total Revenue Requirements (Line 14 thru 28)	<u>\$ 1,361,161</u>	<u>\$ 506,522</u>	<u>\$ 854,639</u>	

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

2012

Line No.	II. INVESTMENT BASE	Attachment F Reference	Total	Post-96	Pre-97	Reference
		<i>Section:</i>				
1	Transmission Plant	II (A)(1)(a)	\$ 29,192,600	\$ 8,141,786	\$ 21,050,814	w/s 6, line 1 column 5
2	General Plant	II (A)(1)(b)	1,243,317	\$ 346,760	\$ 896,557	w/s 6, line 2 column 5
3	Transmission Plant Held for Future Use	II (A)(1)(c)	-	-	-	w/s 6, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>30,435,917</u>	<u>8,488,546</u>	<u>21,947,371</u>	
5	Accumulated Depreciation	II (A)(1)(d)	(24,130,521)	\$ (6,729,977)	\$ (17,400,544)	w/s 6, line 7 column 5
6	Accumulated Deferred Income Taxes	II (A)(1)(e)	(301,357)	\$ (84,048)	\$ (217,309)	w/s 6, line 10 column 5
7	Unamortized loss on Reacquired Debt	II (A)(1)(f)	-	-	-	w/s 6, line 11 column 5
8	Other Regulatory Assets	II (A)(1)(g)	(578,529)	(161,351)	(417,178)	w/s 6, line 14 column 5
9	Net Investment (Line 4+5+6+7+8)		<u>5,425,510</u>	<u>1,513,169</u>	<u>3,912,341</u>	
10	Transmission Prepayments	II (A)(1)(h)	446,726	\$ 124,591	\$ 322,135	w/s 6, line 15 column 5
11	Transmission Materials and Supplies	II (A)(1)(i)	\$ -	\$ -	\$ -	w/s 6, line 16 column 5
12	Cash Working Capital	II (A)(1)(j)	78,969	\$ 22,024	\$ 56,945	w/s 6, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u>\$ 5,951,205</u>	<u>\$ 1,659,785</u>	<u>\$ 4,291,420</u>	
	II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	II (A)	\$ 1,170,224	\$ 326,374	\$ 843,850	w/s 2, line 12
15	Depreciation Expense	II (B)	264,216	\$ 73,690	\$ 190,526	w/s 7, line 3 column 5
16	Amortization of Loss on Reacquired Debt	II (C)	-	-	-	w/s 7, line 4 column 5
17	Amortization of Investment Tax Credits	II (D)	-	-	-	w/s 7, line 5 column 5
18	Total Taxes	II (E)	358,237	99,912	258,325	w/s 7, line 8 column 5
19	Operation and Maintenance Expense	II (G)	537,709	149,966	387,743	w/s 7, line 14 column 5
20	Administrative and General Expense	II (H)	94,044	26,229	67,815	w/s 7, line 23 column 5
21	Transmission Related Integrated Facilities Charge	II (I)	-	-	-	
22	Transmission Support Expenses	II (J)	-	-	-	
23	Transmission Support Revenues	II (K)	-	-	-	
24	Transmission Related Expense from Generators		-	-	-	
25	Transmission Related Taxes and Fees Charge	II (L)	-	-	-	
26	Revenue for Trans. Service Under ISO Tariff	II (M)	(3,058,388)	(852,981)	(2,205,407)	FF1 p450 notes for p328.7.m
27	Transmission Rents Received from Electric Property	II (N)	(246,610)	(68,779)	(177,831)	FF1 p.300.19.b
28	MG TSA Revenue	II (O)	(954,875)	(266,314)	(688,561)	FF1 p.300.1-5.n
	Total RNS Revenue Requirements before Forecast, Annual True-up and Assoc. Interest (Line 14 thru 28)		<u>\$ (1,835,443)</u>	<u>\$ (511,903)</u>	<u>\$ (1,323,540)</u>	
30	Forecasted PTF Revenue Requirements - 2013		416,991	416,991	-	
30	Total RNS Rev Req'ts subject to Annual True-up		<u>\$ (1,418,452)</u>	<u>\$ (94,912)</u>	<u>\$ (1,323,540)</u>	
31	PY true-up		-	-	-	
32	Total RNS - 6/1/2013 - 5/31/2014		<u>\$ (1,418,452)</u>	<u>\$ (94,912)</u>	<u>\$ (1,323,540)</u>	

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

**Transmission Revenue Requirements of PTF Facilities
2013 True-up**

Line No.	I.	APPENDIX C - ANNUAL TRUE-UP	Rate Year	PRE97	POST 1996	Total	Reference
1		ATRR for True-up = 2013 Actual	6/1/2014 - 5/31/2015	\$ 854,639	\$ 506,522	\$ 1,361,161	RNS Details 2013 Revenue Requirements Line 30
2		ATRR subject to True-up = 2012 TY + 2013 Forecast (as billed)	6/1/2013 - 5/31/2014	<u>\$ (1,323,539)</u>	<u>\$ (94,911)</u>	<u>\$ (1,418,450)</u>	RNS Details 2012 Revenue Requirements Line 32
3		Annual True-up (Line 1 - Line 2)		<u>\$ 2,178,179</u>	<u>\$ 601,433</u>	<u>\$ 2,779,611</u>	

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

**FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities**

	Undercollection / (Overcollection)	
PRE97	\$	2,178,179
Post1996	\$	601,433

Initial Billing Period	Pre-97 Balance	Post-96 Balance	FERC Monthly Interest Rate	Pre-97 Interest	Post-96 Interest	Total RNS
June 2013	2,178,179	601,433	0.27%	5,881	1,624	
July 2013	2,184,060	603,057	0.28%	6,115	1,689	
August 2013	2,184,060	603,057	0.28%	6,115	1,689	
September 2013	2,184,060	603,057	0.27%	5,897	1,628	
October 2013	2,202,187	608,062	0.28%	6,166	1,703	
November 2013	2,202,187	608,062	0.27%	5,946	1,642	
December 2013	2,202,187	608,062	0.28%	6,166	1,703	
January 2014	2,220,466	613,109	0.28%	6,217	1,717	
February 2014	2,220,466	613,109	0.25%	5,551	1,533	
March 2014	2,220,466	613,109	0.28%	6,217	1,717	
April 2014	2,238,451	618,075	0.27%	6,044	1,669	
May 2014	2,238,451	618,075	0.28%	6,268	1,731	
				\$ 72,584	\$ 20,042	\$ 92,626
				2,178,179	601,433	2,779,611
				\$ 2,250,763	\$ 621,475	\$ 2,872,237

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

Line No.	see w/s 12 - capitalization	Capitalization 12/31/2013	Capitalization Ratios	Cost of Capital	Cost of Capital	Equity	
1	Long-Term Debt	\$ -	0.000%	0.000%	0.000%		
2	Preferred Stock	-	0.000%	0.000%	0.000%	0.000%	
3	Common Equity	<u>14,912,860</u>	<u>100.000%</u>	11.640%	<u>11.640%</u>	<u>11.640%</u>	
4	Total Investment Return	\$ 14,912,860	100.00%		11.640%	11.640%	
5	Cost of Capital Rate=						
6	(a) Weighted Cost of Capital	=	11.640%				
7	(b) Federal Income Tax	=	$\frac{\text{PTF Inv. R.O.E.} + (\text{Tax Credit -w/s 1} + \text{Equity AFUDC w/s 13}) / \text{PTF Inv. Base}}{1}$			x	Federal Income Tax Rate
		=	$\frac{0 + 0}{8,159,990}$			x	35.00%
		=	6.268%				
8	(c) State Income Tax	=	$\frac{\text{PTF Inv. R.O.E.} + (\text{Tax Credit} + \text{of Deprec. Exp.}) / \text{PTF Inv. Base}}{1}$			+	Federal Income Tax State Income Tax Rate)* State Income Tax Rate
		=	$\frac{0 + 0}{8,159,990}$			+	6.27%)* 8.930%
		=	1.756%				
9	(a)+(b)+(c) Cost of Capital Rate	=	19.664%				
			(PTF)				
10	Investment Base	\$ 8,159,990	From Worksheet 1				
11	x Cost of Capital Rate	19.664%					
12	= Investment Return and Income Taxes	<u>\$ 1,604,552</u>	From Worksheet 1				

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

Line No.	(1) Total	(2) Wage/Plan Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	RNS Rate Worksheet or FERC Form 1 Reference for col (1) or (5)
<u>Transmission Plant</u>						
1	\$ 33,145,099		\$ 33,145,099		\$ 33,145,099	(d) 207.58.g
2	1,243,317	100.0000% (a)	1,243,317	100.0000% (b)	1,243,317	207.99.g
3			<u>34,388,416</u>		<u>34,388,416</u>	
4	-		-	100.0000% (b)	<u>-</u>	
<u>Transmission Accumulated Depreciation</u>						
5	\$ (23,138,281)		\$ (23,138,281)	100.0000% (b)	\$ (23,138,281)	219.25.b
6	(1,252,139)	100.0000% (a)	(1,252,139)	100.0000% (b)	(1,252,139)	219.28.b
7	<u>\$ (24,390,420)</u>		<u>\$ (24,390,420)</u>		<u>\$ (24,390,420)</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	(2,139,961)	99.8925%	(2,137,661)	100.0000% (b)	(2,137,661)	275.9.5 + 277.19.k
9	68,000	99.8925%	67,927	100.0000% (b)	67,927	234.8.c
10	<u>\$ (2,071,961)</u>		<u>\$ (2,069,734)</u>		<u>\$ (2,069,734)</u>	
11	-	99.8925% ©	-	100.0000% (b)	<u>-</u>	
<u>Other Regulatory Assets</u>						
12	-	100.0000% (a)	-			
13	-	99.8925%	-			113.60.c
14	<u>0</u>		<u>0</u>	100.0000% (b)	<u>0</u>	
15	36,571	100.0000% (a)	36,571	100.0000% (b)	<u>36,571</u>	111.57.c
16	-	99.8925%	<u>-</u>	100.0000% (b)	<u>-</u>	
<u>Cash Working Capital</u>						
18					\$ 1,462,453	w/s 1, Line 19
19					98,804	w/s 1, Line 20
20					-	w/s 1, Line 22 and 23
21					<u>1,561,257</u>	
22					0.125	x 45 / 360
23					<u>\$ 195,157</u>	

(a) Worksheet 8, line 11
(b) Worksheet 8, line 3
(c) Worksheet 8, line 16

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Worksheet or FERC Form 1 Reference
<u>Depreciation Expense</u>						
1	\$ 508,729		\$ 508,729	100.0000% (b)	\$ 508,729	336.7.f
2	9,445	100.0000% (a)	9,445	100.0000% (b)	9,445	336.10.f
3			518,174		518,174	
4	0	99.8925% ©	-	100.0000% (b)	-	
5	0	99.8925% ©	-	100.0000% (b)	-	
<u>Property Taxes</u>						
6	503,405	99.8925%	502,864	100.0000% (b)	502,864	263.5.i
7	-	100.0000% (a)	-	100.0000% (b)	-	
8	<u>\$ 503,405</u>		<u>\$ 502,864</u>		<u>\$ 502,864</u>	
9			-	100.0000% (b)	-	
<u>Operation and Maintenance Expense</u>						
10	1,611,993		1,611,993	100.0000%	1,611,993	321.112.b
11	-		-	100.0000%	-	
12	149,540		149,540	100.0000%	149,540	321.85.. + 86.b
13	-		-	100.0000%	-	
14	<u>\$ 1,462,453</u>		<u>\$ 1,462,453</u>	100.0000% (b)	<u>\$ 1,462,453</u>	
<u>Administrative and General Expense</u>						
15	98,818					323.194.b
16	13,212					323.185.b
17	6,680					323.189.b
18	-					
19	78,926	100.0000%	78,926	100.0000%	78,926	
20	13,212	99.8925%	13,198	100.0000%	13,198	323.185.b
21	6,680	100.0000%	6,680	100.0000%	6,680	323.189.b
22	-	99.8925%	-	100.0000%	-	
23	<u>\$ 98,818</u>		<u>\$ 98,804</u>	100.0000% (b)	<u>\$ 98,804</u>	
24	-	100.0000%	-	100.0000%	-	

(a) Worksheet 8, line 11
(b) Worksheet 8, line 3
(c) Worksheet 8, line 16

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

Line No.			Worksheet or FERC Form 1 Reference
	<u>PTF Transmission Plant Allocation Factor</u>		
		MEPCO	
1	PTF Transmission Investment	\$ 33,145,099	207.58.g
2	Total Transmission Investment	<u>33,145,099</u>	207.58.g
3	Percent Allocation	<u>100%</u>	(line 1/2)
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	100%	
5	Affiliated Company Transmission Wages and Salaries	<u>0%</u>	
6	Total Transmission Wages and Salaries	100%	
7	Total Wages and Salaries	100%	
8	Administrative and General Wages and Salaries	0%	
9	Affiliated Company Wages and Salaries less A&G	<u>0%</u>	
10	Total Wages and Salaries net of A&G	100%	
11	Percent Allocation	<u>100%</u>	
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment (excluding capital leases)	\$ 33,145,099	line 2 above
13	Transmission Related General Plant	<u>1,243,317</u>	ws 3 line 2, col. 3
14	Total Transmission Related Plant	<u>\$ 34,388,416</u>	
15	Total Plant in Service	<u>\$ 34,425,440</u>	207.104.g
16	Percent Allocation	<u>99.8925%</u>	(line 14/15)

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

Affiliated Company Wages and Salaries

Line No.	"Affiliated" Transmission Wages and Salaries #560 - 573	
1	560	-
2	562	-
3	564	-
4	566	-
5	568	-
6	569	-
7	570	-
8	571	-
9	572	-
10	573	-
11 = 1 thru 10	Total Transmission	-
12 = Total "Affiliated" Wages and Salaries		-
Less "Affiliated" Administrative and General Salaries #920 - 935		
13	920	-
14	921	-
15	923	-
16	925	-
17	926	-
18	928	-
19	930	-
20	935	-
21 = 13 thru 20		-
22 = 12 less 21	Total "Affiliated" less A&G	-

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA			
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission			
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation			
	HQ Phase II - AC in MA			
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line			
	115 kV Read - Washington V148 line			
NU	345 kV 363, 369 and 394 Seabrook lines			
	Fairmont 115 kV Substation			
	345 kV Millstone-Manchester 310 line			
	UI Substations			
	Black Pond			
	Total =			

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

**Transmission Investment by Vintage
as of 12/31/2013**

	Total	PRE 1996	POST 1996
1970	\$ 9,661,636	\$ 9,661,636	
1971	7,546,948	7,546,948	
1972	5,441	5,441	
1973	29,030	29,030	
1974	562	562	
1975	92,738	92,738	
1976	1,008	1,008	
1977	210	210	
1978	6	6	
1982	409	409	
1984	908,420	908,420	
1985	531,333	531,333	
1986	978,792	978,792	
1988	-	-	
1990	305,393	305,393	
1991	82,367	82,367	
1992	390,256	390,256	
1993	257,336	257,336	
1996	19,107	19,107	
1997	298,693		\$ 298,693
1998	74,783		74,783
2000	2,397,044		2,397,044
2001	149,511		149,511
2002	87,395		87,395
2003	601,562		601,562
2004	-		-
2005	-		-
2006	-		-
2007	262,839		262,839
2008	312,467		312,467
2009	136,312		136,312
2010	321,109		321,109
2011	238,468		238,468
2012	3,451,820		3,451,820
2013	4,002,107		4,002,107
Grand Total	<u>\$ 33,145,099</u>	<u>\$ 20,810,991</u>	<u>\$ 12,334,108</u>

Maine Electric Power Company
RNS Revenue Requirements
For the Test Year Ended December 31, 2013

Line No.	<u>FORECASTED TRANSMISSION REVENUE REQUIREMENTS (FTRR)</u>	Forecast Period	Attachment F Reference Section:	<u>Amount</u>	Reference
1	Forecasted Rev Req'ts for FTPA			\$ 586,119	line 5 below
2	Forecasted Transmission Revenue Requirements (Lines 1 + 2)			<u>\$ 586,119</u>	
3	Forecasted Transmission Plant Additions (FTPA)	2014	Appendix C iv	\$ 4,640,000	
4	Carrying Charge Factor (CCF)		Appendix C vi	12.63%	line 16 below
5	Forecasted Rev Req'ts for FTPA (Lines 1*2)			<u>\$ 586,119</u>	
	<u>DERIVATION OF CARRYING CHARGE FACTOR (CCF)</u>				
6	Investment Return and Income Taxes		(A)	\$ 1,604,552	Worksheet 1, line 14
7	Depreciation Expense		(B)	518,174	Worksheet 1, line 15
8	Amortization of Loss on Reacquired Debt		(C)	-	Worksheet 1, line 16
9	Amortization of Investment Tax Credits		(D)	-	Worksheet 1, line 17
10	Municipal Taxes		(E)	502,864	Worksheet 1, line 18
11	Operation and Maintenance Expense		(G)	1,462,453	Worksheet 1, line 20
12	Administrative and General Expense		(H)	98,804	Worksheet 1, line 21
13	Total Expenses (Lines 10 thru 17)			<u>4,186,847</u>	
14	PTF Transmission Plant		(A)(1)(a)	<u>\$ 33,145,099</u>	Worksheet 1, line 1
15	Carrying Charge Factor (Lines 18/19)			<u>12.63%</u>	

ISO Tariff Billing
 ISO Annual Transmission Revenue Requirements
 per Tariff Attachment F and ISO Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on:	
Revenue Requirements for (year):	Calendar Year 2013
Rates Effective for the Period: Through:	June 2014 May 2015
Customer:	New England Power Company
Customer's NABs Number:	
Name of Participant responsible for customer's billing:	
DUNs number of Participant responsible for customer's billing:	

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	<u>\$142,889,550</u> ^(a)	<u>\$162,544,944</u> ^(f)
Total of Attachment F - Section J - Support Revenue	<u>\$5,207,983</u> ^(b)	<u>\$0</u> ^(g)
Total of Attachment F - Section K - Support Expense	<u>\$713,765</u> ^(c)	<u>\$0</u> ^(h)
Total of Attachment F - Section (L through O)	<u>(\$322,516)</u> ^(d)	<u>(\$948,601)</u> ⁽ⁱ⁾
Sub Total - Sum (A through I) - J + K + (L through O)	<u>\$138,072,817</u> ^{(e)=(a)-(b)+(c)+(d)}	<u>\$161,596,343</u> ^(j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>\$54,717,557</u> ^(k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>\$26,359,418</u> ^(l)	<u>(\$34,261,510)</u> ^(m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>\$164,432,235</u> ^{(n)=(e)+(l)}	<u>\$182,052,390</u> ^{(o)=(j)+(k)+(m)}
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements and True-ups (including interest)		<u>\$346,484,625</u> ^{(p) = (n) + (o)}

New England Power Company
Transmission Revenue Requirements of PTF Facilities
2013 True-up

		PRE 97	POST 1996
I. <u>ANNUAL TRUE-UP PER ROE COMPLIANCE WITH FERC ROE ORDER</u>			
1	Transmission Revenue Requirements (as billed)	\$112,563,456	\$194,752,964
2	True-up 2013 Actual Annual RR	\$138,072,817	\$161,596,343
3	(Over)/Under (Line 2 - Line 1)	\$25,509,361	(33,156,621)
4	Per Month (Line 3/12)	2,125,780	(2,763,052)
5	Total Rate Year (Over)/Under	<u>\$ 25,509,361</u>	<u>\$ (33,156,621)</u>

New England Power Company
FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities

	Undercollection/(Overcollection)					
	Pre 97	Post 96				
	\$25,509,361	(\$33,156,621)				
Initial Billing Period	PRE 97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE 97 Interest	POST 1996 Interest	
June 2013	\$ 25,509,361	\$ (33,156,621)	0.27%	\$ 68,875	\$ (89,523)	
July 2013	25,578,236	(33,246,144)	0.28%	71,619	(93,089)	
August 2013	25,578,236	(33,246,144)	0.28%	71,619	(93,089)	
September 2013	25,578,236	(33,246,144)	0.27%	69,061	(89,765)	
October 2013	25,790,536	(33,522,087)	0.28%	72,214	(93,862)	
November 2013	25,790,536	(33,522,087)	0.27%	69,634	(90,510)	
December 2013	25,790,536	(33,522,087)	0.28%	72,214	(93,862)	
January 2014	26,004,597	(33,800,320)	0.28%	72,813	(94,641)	
February 2014	26,004,597	(33,800,320)	0.25%	65,011	(84,501)	
March 2014	26,004,597	(33,800,320)	0.28%	72,813	(94,641)	
April 2014	26,215,234	(34,074,103)	0.27%	70,781	(92,000)	
May 2014	26,215,234	(34,074,103)	0.28%	73,403	(95,407)	
		Total Interest		\$ 850,057	\$ (1,104,889)	
		True-Up		25,509,361	\$ (33,156,621)	
		Total TU & Interest		\$ 26,359,418	\$ (34,261,510)	

ISO Tariff Billing
ISO Annual Transmission Revenue Requirements
per Tariff Attachment F and ISO Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on: _____

Revenue Requirements for (year): Calendar Year 2013

Rates Effective for the Period:
Through: June 2014
May 2015

Customer: New England Power Company

Customer's NABs Number: _____

Name of Participant responsible for customer's billing: _____

DUNS number of Participant responsible for customer's billing: _____

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	<u>\$142,889,550</u> ^(a)	<u>\$162,544,944</u> ^(f)
Total of Attachment F - Section J - Support Revenue	<u>\$5,207,983</u> ^(b)	<u>\$0</u> ^(g)
Total of Attachment F - Section K - Support Expense	<u>\$713,765</u> ^(c)	<u>\$0</u> ^(h)
Total of Attachment F - Section (L through O)	<u>(\$322,516)</u> ^(d)	<u>(\$948,601)</u> ⁽ⁱ⁾
Sub Total - Sum (A through I) - J + K + (L through O)	<u>\$138,072,817</u> ^{(e)=(a)-(b)+(c)+(d)}	<u>\$161,596,343</u> ^(j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>\$54,717,557</u> ^(k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u> ^(l)	<u>N/A</u> ^(m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>\$138,072,817</u> ^{(n)=(e) + (l)}	<u>\$216,313,900</u> ^{(o)=(j)+(k)+(m)}
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		<u>\$354,386,717</u> ^{(p) = (n) + (o)}

New England Power Company
Annual Revenue Requirements of PTF Facilities
For Costs in 2013

PRE-1997

Shading denotes an input

Line No.	I. INVESTMENT BASE	Attachment F Reference	NEP	Reference
		Section:		
1	Transmission Plant	(A)(1)(a)	\$332,967,248	Worksheet 3, line 1&2 column 5
2	General Plant	(A)(1)(b)	\$1,114,449	Worksheet 3, line 3 column 5
3	Plant Held For Future Use	(A)(1)(c)	\$190,485	Worksheet 3, line 5 column 5
4	Total Plant (Lines 1+2+3)		<u>\$334,272,182</u>	
5	Accumulated Depreciation	(A)(1)(d)	(\$73,864,221)	Worksheet 3, line 8 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(\$67,438,317)	Worksheet 3, line 11 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	\$35,897	Worksheet 3, line 12 column 5
8	Other Regulatory Assets	(A)(1)(g)	\$8,121,728	Worksheet 3, line 16 column 5
9	Net Investment (Line 4+5+6+7+8)		<u>\$201,127,269</u>	
10	Prepayments	(A)(1)(h)	\$0	Worksheet 3, line 17 column 5
11	Materials & Supplies	(A)(1)(i)	\$654,026	Worksheet 3, line 18 column 5
12	Cash Working Capital	(A)(1)(j)	\$1,601,949	Worksheet 3, line 25 column 5
13	Total Investment Base (Line 9+10+11+12)		<u>\$203,383,244</u>	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	\$25,450,322	Worksheet 2
15	Depreciation Expense	(B)	\$7,422,123	Worksheet 4, line 3, column 5
16	Amortization of Loss on Reacquired Debt	(C)	\$16,579	Worksheet 4, line 4, column 5
17	Investment Tax Credit	(D)	(\$71,260)	Worksheet 4, line 5, column 5
18	Property Tax Expense	(E)	\$5,952,078	Worksheet 4, line 6, column 5
19	Payroll Tax Expense	(F)	\$296,629	Worksheet 4, line 22, column 5
20	Operation & Maintenance Expense	(G)	\$6,271,379	Worksheet 4, line 11, column 5
21	Administrative & General Expense	(H)	\$6,544,215	Worksheet 4, line 21, column 5
22	Transmission Related Integrated Facilities Charge	(I)	\$91,007,486	Attachment 4, line 6
23	Transmission Support Revenue	(J)	(\$5,207,983)	Worksheet 6
24	Transmission Support Expense	(K)	\$713,765	Worksheet 6
25	Transmission Related Expense from Generators	(L)	\$0	
26	Transmission Related Taxes and Fees Charge	(M)	\$0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(\$130,597)	Attachment 7
28	Transmission Rents Received from Electric Property	(O)	(\$191,919)	Attachment 6
29	Total Revenue Requirements (Line 14 thru 28)		<u>\$138,072,817</u>	

New England Power Company
Annual Revenue Requirements
For Costs in 2013

Shading denotes an input

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 410,350,000	35.83%	0.63%	0.23%	
PREFERRED STOCK	\$ 1,111,700	0.10%	6.02%	0.01%	0.01%
COMMON EQUITY	\$ 733,940,928	64.08%	11.64%	7.46%	7.46%
TOTAL INVESTMENT RETURN	\$1,145,402,628	100.01%		7.70%	7.47%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0770

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0747 + \left(\frac{(\$71,260) + \$277,799}{\$203,383,244} \right) / 0.35}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0407699

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}}$$

=
$$\left(\frac{0.0747 + \left(\frac{(\$71,260) + \$277,799}{\$203,383,244} \right) / 0.0407699}{1} \right) + \frac{0.0407699}{0.059466}$$

= 0.0073649

(a)+(b)+(c) Cost of Capital Rate = 0.1251348

	(PTF)	
INVESTMENT BASE	\$203,383,244	From Worksheet 1
x Cost of Capital Rate	0.1251348	
= Investment Return and Income Taxes	<u>\$25,450,322</u>	To Worksheet 1

New England Power Company

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Source Reference
1					\$346,682,784	Attachment 1, Page 1
2					(\$13,715,537)	Attachment 2
3	\$ 6,020,981	99.7856% (a)	\$6,008,072	18.5492% (b)	\$1,114,449	FERC Form 1 Page 207.99g
4			<u>\$6,008,072</u>		<u>\$334,081,697</u>	
5	\$ 1,026,919		\$1,026,919	18.5492% (b)	<u>\$190,485</u>	FERC Form 1 page 214.2d,4d,9d
<u>Transmission Accumulated Depreciation</u>						
6	\$ (393,265,685)		(\$393,265,685)	18.5492% (b)	(\$72,947,638)	FERC Form 1 page 219.25b
7	\$ (4,951,981)	99.7856% (a)	(\$4,941,364)	18.5492% (b)	(\$916,583)	FERC Form 1 Page 219.28b
8			<u>(\$398,207,049)</u>		<u>(\$73,864,221)</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
9	\$ (285,024,854)	99.3496% (c)	(\$283,171,053)	18.5492% (b)	(\$52,525,965)	FERC Form 1 Page 113.62-64
10	\$ (80,919,805)	99.3496% (c)	(\$80,393,503)	18.5492% (b)	(\$14,912,352)	FERC Form 1 Page 111.82
11			<u>(\$363,564,556)</u>		<u>(\$67,438,317)</u>	
12	\$ 193,522	100.0000%	\$193,522	18.5492% (b)	<u>\$35,897</u>	FERC Form 1 Page 111.81c
<u>Other Regulatory Assets</u>						
13	\$ -	99.7856% (a)	\$0	18.5492% (b)	\$0	FERC Form 1 Page 232.8f
14	\$ 43,784,787	100.0000%	\$43,784,787	18.5492% (b)	\$8,121,728	FERC Form 1 Page 232.6f
15	\$ -	100.0000%	\$0	18.5492% (b)	\$0	FERC Form 1 Page 278
16	<u>\$43,784,787</u>		<u>\$43,784,787</u>		<u>\$8,121,728</u>	
17	\$ -	99.7856% (a)	\$0	18.5492% (b)	<u>\$0</u>	FERC Form 1 Page 111.57c
18	\$ 3,525,898		\$3,525,898	18.5492% (b)	<u>\$654,026</u>	FERC Form 1 Page 227.8c
<u>Cash Working Capital</u>						
20					\$6,271,379	Worksheet 1, Line 20
21					\$6,544,215	Worksheet 1, Line 21
22					\$0	Worksheet 6
23					<u>\$12,815,594</u>	
24					0.1250	x 45 / 360
25					<u>\$1,601,949</u>	

(a) Worksheet 5 Line 11
(b) Worksheet 5 Line 3
(c) Worksheet 5 Line 16

New England Power Company

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Source Reference for Col (1)
<u>Depreciation Expense</u>						
1	\$39,679,487		\$39,679,487	18.5492% (b)	\$7,360,227	FERC Form 1 Page 336.7b
2	\$334,405	99.7856% (a)	\$333,688	18.5492% (b)	\$61,896	FERC Form 1 Page 336.10b
3			\$40,013,175		\$7,422,123	
4	\$89,376	100.0000%	\$89,376	18.5492% (b)	\$16,579	FERC Form 1 Page 117.64c
5	(\$384,165)	100.0000%	(\$384,165)	18.5492% (b)	(\$71,260)	FERC Form 1 Page 266.8f - Footnote (f)
6	\$32,088,055	100.0000%	\$32,088,055	18.5492% (b)	\$5,952,078	FERC Form 1 Page 263.10,17,23,28i - Footnote (e)
<u>Transmission Operation and Maintenance</u>						
7	\$56,023,206		\$56,023,206	18.5492% (b)	\$10,391,857	FERC Form 1 Page 321.112b
8	\$12,561,903		\$12,561,903	18.5492% (b)	\$2,330,132	FERC Form 1 Page 321.96b
9	\$9,651,875		\$9,651,875	18.5492% (b)	\$1,790,346	FERC Form 1 Page 321.84-92b less 87b
10	\$0		\$0		\$0	FERC Form 1 Page 321.93b & .98b
11	\$33,809,428		\$33,809,428	18.5492% (b)	\$6,271,379	
<u>Transmission Administrative and General</u>						
12	\$36,456,496					FERC Form 1 Page 323.197b
13	\$113,624					FERC Form 1 Page 323.185b
14	\$3,645,548					FERC Form 1 Page 323.189b
15	\$0					FERC Form 1 Page 323.191b
16	\$32,697,324	99.7856% (a)	\$32,627,221	18.5492% (b)	\$6,052,088	
17	\$113,624	99.3496% (c)	\$112,885	18.5492% (b)	\$20,939	Line 13
18	\$2,502,632	99.3496% (c)	\$2,486,355	18.5492% (b)	\$461,199	Attachment 5 Line 6
19	\$0		\$0	18.5492% (b)	\$0	Line 15
20	\$53,850		\$53,850	18.5492% (b)	\$9,989	FERC Form 1 Page 350.10c
21	\$35,367,430		\$35,280,311		\$6,544,215	
22	\$1,602,581	99.7856% (a)	\$1,599,145	18.5492% (b)	\$296,629	FERC Form 1 Page 263.3,4i - Footnote (d)
<u>(d) Payroll taxes - G/L 408.1</u>						
	\$0					
	\$0					
	\$1,602,581					
	\$0					
	\$1,602,581					
<u>(e) Property Taxes FF1, Page 263i</u>						
			32088055.3			
	\$0		Massachusetts	\$0		FERC Form 1 Page 263.10(i)
	\$0		New Hampshire	\$0		FERC Form 1 Page 263.17(i)
	\$0		Vermont	\$0		FERC Form 1 Page 263.23(i)
	\$0		Maine	\$0		n/a
	\$0		Rhode Island	\$0		FERC Form 1 Page 263.28(i) & 35(i)
	\$0		Connecticut	\$0		FERC Form 1 Page 263.31(i)
				\$32,088,055		

(a) Worksheet 5 Line 11

(b) Worksheet 5 Line 3

(c) Worksheet 5 Line 16

(d) Transmission Only - Payroll Taxes - Specifically identified in FERC Form 1

(e) Transmission Only - Property Taxes - Specifically Identified in FERC Form 1

(f) Transmission Only - Amortization of ITC - Specifically Identified in FERC Form 1

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

Line No.		NEP	Source Reference
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	\$346,682,784	
2		\$1,868,987,189	Attachment 1, Page 1 FERC Form 1 Page 207.58g - Page 200.4b
3	Percent Allocation (Line 1/Line 2)	<u>18.5492%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	\$0	FERC Form 1 Page 354.14b
5	Affiliated Company Transmission Wages and Salaries	\$18,493,757	General Ledger Query
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	\$18,493,757	
7	Total Wages and Salaries	\$0	FERC Form 1 Page 354.28b
8	Administrative and General Wages and Salaries	\$0	FERC Form 1 Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	\$18,533,501	General Ledger Query
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	\$18,533,501	
11	Percent Allocation (Line 6/Line 10)	<u>99.7856%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	\$1,868,987,189	Line 2
13	plus Transmission-Related General Plant	\$6,008,072	Worksheet 3, Line 3, Column 3
14	= Revised Numerator (Line 12 + Line 13)	<u>\$1,874,995,261</u>	
15	Total Plant in Service	\$1,887,269,647	FERC Form 1 Page 207.104g - Page 200.4b
16	Percent Allocation (Line 14 / Line 16)	<u>99.3496%</u>	

Shading denotes input

**New England Power Company
Pre-97 RNs Revenue Requirements
For Test Year Ended 12/31/2013**

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1 Reference	TOTAL	
			Revenues (a)	Expenses (b)
NSTAR	HQ Phase II - AC in MA	Pg 332 Line 5 Col (g)		\$109,892
	Bell Rock Road	Page 330.5 Line 12 Col (n)	\$39,828	
	Boston Edison -345 kV NH/MA border - Tewksbury 394 Line (Seabrook	Page 330.1 Line 8 Col (n)	\$379,686	
NU	Public Service Co. -Moore 115 kV Substation	Page 330.1 Line 5 Col (n)	\$14,736	
NEP	Chester SVC	Transmission Billing		\$603,873
	HQ Phase II - AC in MA	Page 330 Line 11 Col (n)	\$4,735,618	
VT Elec Co.	Comerford 115 kV Substation	Page 330.1 Line 12 Col (n)	\$38,115	
		Totals	\$5,207,983	\$713,765

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 22, Column 5)

\$0

Shading denotes an input

New England Power Company
2013 Informational Filing
PTF Plant Allocation

				<u>Percent Pre/Post</u>
1	2012	Pre-1997 PTF Transmission Plant	\$349,727,420	
2	2012	Post-1996 PTF Transmission Plant	\$900,658,296	
3	2013	Additions/Retirements	\$115,978,155	
4	2013	Pre-1997 PTF Transmission Plant	\$346,682,784	25.37%
5	2013	Post-1996 PTF Transmission Plant	\$1,019,681,086	74.63%
6	2013	Total PTF Transmission Plant	\$1,366,363,870	100.00%

Sources:

- 1 PTF Plant Reports for previous year
- 2 PTF Plant Reports for previous year
- 3 Line 6 - Line 1 + Line 2
- 4 PTF Plant Reports for current year
- 5 PTF Plant Reports for current year
- 6 Line 4 + 5

Shading denotes an input

GROSS PLANT ASSOC. WITH HVDC LEASES
2013

LINE NO		(HVDC) NHH/NEH <u>LEASE</u>
1	Gross Plant Value Comerford Station to Tewksbury Line	\$14,975,714
	<u>Allocation</u>	
2	Miles used by NHH (a)	224
3	Total miles at Comerford Station	253
4	Percentage of Total Gross Plant leased by NHH (a)	89%
5	Total Gross Plant leased by NHH (a)	\$13,328,385.46
6	Total Land from Sandy Pond to New Hampshire	\$1,106,146
7	HVDC lines occupy 35% of Right of Way	35%
8	Total Land leased by NEH (a)	\$387,151
9	Total NEP Gross Plant leased by HVDC to be excluded from PTF Revenue requirement	\$13,715,537

Source:

- 1 FERC Form 1, Page 422.1-423.1, Lines 5 + 16 col (l)
- 2 Total miles used per lease agreement
- 3 FERC Form 1, Page 422.1 Lines 5 + 16 col (f)
- 4 Line 2 / Line 3
- 5 Line 1 * Line 4
- 6 FERC Form 1, Page 422-423, Line 15 col (j)
- 7 Percentage per lease agreement
- 8 Line 6 * Line 7
- 9 Line 5 + Line 8

Note:

- (a) NEH and NHH are acronyms for two of the three "Hydro Companies, New England Hydro Transmission (NEH) Electric Company, New England Electric Transmission Corporation, and New England Hydro Transmission Electric Company, Inc. (NHH)".

New England Power Company
Determination of Book Depreciation on Equity AFUDC

		<u>2013</u>
1	Total Current Year Book Depreciation on Equity AFUDC	\$1,500,152
2	Less: Specifically Identified Transmission-Related	
	Tewksbury Line	\$54,708
	Hydro-Quebec	\$23,543
	Montaup Transmission	\$9,668
	1998 Transmission	\$13,959
	1999 Transmission	\$42,457
	2000 Transmission	(\$8,299)
	2001 Transmission	\$23,561
	2002 Transmission	\$8,889
	2003 Transmission	\$16,500
	2004 Transmission	\$15,518
	2005 Transmission	\$49,757
	2006 Transmission	\$64,352
	2007 Transmission	\$42,418
	2008 Transmission	\$57,508
	2009 Transmission	\$98,437
	2010 Transmission	\$79,948
	2011 Transmission	\$155,706
	2012 Transmission	\$210,246
	2013 Transmission	\$153,901
		\$1,112,777
3	Total Unidentified Book Depreciation on Equity AFUDC	\$387,375
4	Plant Allocator Factor	99.3496%
5	Allocated Transmission Related Book Depreciation on Equity AFUDC	\$384,856
6	Plus: Specifically Identified Transmission-Related Equity AFUDC	\$1,112,777
7	Total Transmission-Related Equity AFUDC	\$1,497,633
8	Pre-97 PTF Allocation Factor	18.5492%
9	Transmission-Related Equity AFUDC	\$277,799

Sources:

- 1 & 2 Transmission Rates includes \$9,668 from Montaup
- 3 Line 1 - Line 2
- 4 Worksheet 5 - PTF Plant Allocation Factor
- 5 Line 3 * Line 4
- 6 Line 2
- 7 Line 5 + Line 6
- 8 Worksheet 5 - Pre-97 PTF Allocation Factor
- 9 Line 7 * Line 8

Shading denotes an input

New England Power Company
Determination of the PTF Related Integrated Facilities Charges

	<u>Narragansett</u> <u>2013</u>	<u>MECO</u> <u>2013</u>
1 Total Integrated Facilities Charges	\$98,617,357	\$15,090,817
2 Total 2013 PTF Property	\$532,002,487	\$24,811,154
3 Total Transmission Plant in 2013	\$624,336,746	\$53,681,733
4 NECO or MECO PTF Plant Allocator	85.21%	46.22%
5 PTF Related Integrated Facilities Charge	\$84,032,663	\$6,974,823
6 Total Integrated Facilities		<u><u>\$91,007,486</u></u>

Source:

- 1 FF1 Page 330.4 Lines 13 & 14 Col (n)
- 2 PowerPlant Reports
- 3 FF1 Page 207 Line 58 (g)
- 4 Line 2 / Line 3
- 5 Line 1 * Line 4
- 6 Line 5 Totals for Narragansett and Massachusetts Electric

New England Power Company
Development of 2013 Regulatory Commission Expense

Line No.		<u>2013</u>	<u>Source</u>
1	Total Regulatory Commission Expense - NEP	\$3,645,548	Estimated FERC Form1 Page 350.46d
2	Less: New Hampshire PUC Assessment	\$63,704	Estimated FERC Form1 Page 350.2d
3	Less: Mass Emergency Fund	\$0	Estimated FERC Form1 Page 350.7d
4	Less Mass DPU Special Assessment	\$229,133	Estimated FERC Form1 Page 350.8d
5	Less: Utility Expenses	\$850,079	Estimated FERC Form1 Page 350.46c
6	Total Federal Assessments	\$2,502,632	Line 1 - (Line 2-5)

Transmission Rents Received from Electric Property

New England Power Company

	2013
Revenues	\$1,034,650
Plant Allocation Factor	100.00%
Transmission Allocated	\$1,034,650
PTF Allocation	18.5492%
Total PTF Revenue	\$191,919

Source: SAP account C4540000, C454000W, C4545000

Revenue for Short-Term Transmission Service under the NEPOOL Tariff

New England Power Company

	<u>2012</u>
Revenues	\$514,715
Pre-97 PTF Percent	25.3727%
Total Pre-97 PTF Revenue	\$ 130,597

Source: Short Term Through and Out Revenues from ISO New England

ISO Tariff Billing
 ISO Annual Transmission Revenue Requirements
 per Tariff Attachment F and ISO Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on:	
Revenue Requirements for (year):	Calendar Year 2013
Rates Effective for the Period: Through:	June 2014 May 2015
Customer:	New England Power Company
Customer's NABs Number:	
Name of Participant responsible for customer's billing:	
DUNs number of Participant responsible for customer's billing:	

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	<u>\$142,889,550</u> ^(a)	<u>\$162,544,944</u> ^(f)
Total of Attachment F - Section J - Support Revenue	<u>\$5,207,983</u> ^(b)	<u>\$0</u> ^(g)
Total of Attachment F - Section K - Support Expense	<u>\$713,765</u> ^(c)	<u>\$0</u> ^(h)
Total of Attachment F - Section (L through O)	<u>(\$322,516)</u> ^(d)	<u>(\$948,601)</u> ⁽ⁱ⁾
Sub Total - Sum (A through I) - J + K + (L through O)	<u>\$138,072,817</u> ^{(e)=(a)-(b)+(c)+(d)}	<u>\$161,596,343</u> ^(j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>\$54,717,557</u> ^(k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u> ^(l)	<u>N/A</u> ^(m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>\$138,072,817</u> ^{(n)=(e)+(l)}	<u>\$216,313,900</u> ^{(o)=(j)+(k)+(m)}
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements and True-ups (including interest)		<u>\$354,386,717</u> ^{(p) = (n) + (o)}

New England Power Company
Annual Revenue Requirements of PTF Facilities
For Costs in 2013

POST-1996

Shading denotes an input

Line No.	Section:	Attachment F Reference	NEP	Reference
I. INVESTMENT BASE				
1	Transmission Plant	(A)(1)(a)	\$1,019,681,086	Worksheet 3, line 1&2 column 5
2	General Plant	(A)(1)(b)	\$3,277,878	Worksheet 3, line 3 column 5
3	Plant Held For Future Use	(A)(1)(c)	\$560,266	Worksheet 3, line 5 column 5
4	Total Plant (Lines 1+2+3)		<u>\$1,023,519,230</u>	
5	Accumulated Depreciation	(A)(1)(d)	(\$217,253,403)	Worksheet 3, line 8 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(\$198,353,187)	Worksheet 3, line 11 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	\$105,582	Worksheet 3, line 12 column 5
8	Other Regulatory Assets	(A)(1)(g)	\$23,888,060	Worksheet 3, line 16 column 5
9	Net Investment (Line 4+5+6+7+8)		<u>\$631,906,282</u>	
10	Prepayments	(A)(1)(h)	\$0	Worksheet 3, line 17 column 5
11	Materials & Supplies	(A)(1)(i)	\$1,923,656	Worksheet 3, line 18 column 5
12	Cash Working Capital	(A)(1)(j)	\$4,711,739	Worksheet 3, line 25 column 5
13	NEEWS CWIP	(A)(1)(k)	\$15,340,495	Worksheet 3, line 26 column 5
14	Total Investment Base (Line 9+10+11+12+13)		<u><u>\$653,882,172</u></u>	
II. REVENUE REQUIREMENTS				
15	Investment Return and Income Taxes	(A)	\$84,802,485	Worksheet 2
16	Depreciation Expense	(B)	\$21,830,348	Worksheet 4, line 3, column 5
17	Amortization of Loss on Reacquired Debt	(C)	\$48,762	Worksheet 4, line 4, column 5
18	Investment Tax Credit	(D)	(\$209,592)	Worksheet 4, line 5, column 5
19	Property Tax Expense	(E)	\$17,506,569	Worksheet 4, line 6, column 5
20	Payroll Tax Expense	(F)	\$872,460	Worksheet 4, line 22, column 5
21	Operation & Maintenance Expense	(G)	\$18,445,715	Worksheet 4, line 11, column 5
22	Administrative & General Expense	(H)	\$19,248,197	Worksheet 4, line 21, column 5
23	Transmission Related Integrated Facilities Charge	(I)	\$0	Attachment 4, line 6
24	Transmission Support Revenue	(J)	\$0	Worksheet 6
25	Transmission Support Expense	(K)	\$0	Worksheet 6
26	Transmission Related Expense from Generators	(L)	\$0	
27	Transmission Related Taxes and Fees Charge	(M)	\$0	
28	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(\$384,118)	Attachment 7
29	Transmission Rents Received from Electric Property	(O)	(\$564,483)	Attachment 6
30	Total Revenue Requirements (Line 14 thru 28)		<u><u>\$161,596,343</u></u>	

New England Power Company
Post 1996 Regional Network Service Revenue Requirement
For Test Year Ended 12/31/2013

Shading denotes an input

<u>Line No.</u>	<u>Description</u>	<u>Attachment F Reference</u>	<u>Forecasted Amount \$</u>	<u>Reference</u>
1	Forecasted Revenue Requirements for Forecasted Transmission Plant Additions (FTPA)		\$ 40,578,307	Line 6
2	Forecasted Revenue Requirements for Forecasted Transmission CWIP		\$14,139,250	Line 9
3	Forecasted Transmission Revenue Requirements		\$ 54,717,557	Line 1 + Line 2
4	Forecasted Revenue Requirements for Forecasted Transmission Plant Additions (FTPA)	Appendix C iv	\$ 262,525,453	Project Detail
5	Carrying Charge Factor (CCF)	Appendix C vi	15.45690%	Line 20
6	Forecasted Revenue Requirements for FTPA		\$ 40,578,307	Line 4 * Line 5
7	Forecasted New England Power Company (NEP) NEEWS CWIP (FNCWIP)	Appendix C xiii	\$ 102,335,530	Project Detail
8	NEEWS NEP Cost of Capital Rate (NCOC)	Appendix C xiv	13.81656%	Workpaper 4
9	Forecasted Revenue Requirements for FNCWIP		\$ 14,139,250	Line 7 * Line 8
<u>Derivation of Carrying Charge (CCF)</u>				
10	Investment Return and Income Taxes	(A)	\$79,868,665	Summary, Line 14
11	Depreciation Expense	(B)	21,830,348	Summary, Line 15
12	Amortization of Loss on Reacquired Debt	(C)	48,762	Summary, Line 16
13	Investment Tax Credit	(D)	(209,592)	Summary, Line 17
14	Property Tax Expense	(E)	17,506,569	Summary, Line 18
15	Payroll Tax Expense	(F)	872,460	Summary, Line 19
16	Operation & Maintenance Expense	(G)	18,445,715	Summary, Line 20
17	Administrative & General Expense	(H)	19,248,197	Summary, Line 21
18	Total Expenses (Lines 10 thru 17)		\$157,611,124	
19	PTF Transmission Plant	(A)(1)(a)	\$1,019,681,086	Summary, Line 1
20	Carrying Charge Factor (FTPA)		15.45690%	Line 18 / Line 19

New England Power Company
Annual Revenue Requirements
For Costs in 2013

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 410,350,000	35.83%	0.63%	0.23%	
PREFERRED STOCK	\$ 1,111,700	0.10%	6.02%	0.01%	0.01%
COMMON EQUITY	\$ 733,940,928	64.08%	11.64%	7.46%	7.46%
TOTAL INVESTMENT RETURN	\$1,145,402,628	100.01%	7.70%	7.47%	

Cost of Capital Rate=

(a) Weighted Cost of Capital	=	<u>0.0770</u>
(b) Federal Income Tax	= (	$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1}$
	= (	$\frac{0.0747 + \left(\frac{(\$209,592) + \$817,077}{\$653,882,172} \right) / 0.35}{1}$
	=	<u>0.0407233</u>
(c) State Income Tax	= (	$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate} + \text{State Income Tax Rate}}{1}$
	= (	$\frac{0.0747 + \left(\frac{(\$209,592) + \$817,077}{\$653,882,172} \right) / 0.0407233 + 0.059466}{1}$
	=	<u>0.0073565</u>
(a)+(b)+(c) Cost of Capital Rate	=	<u>0.1250798</u>

(PTF)

INVESTMENT BASE	\$653,882,172	From Worksheet 1
x Cost of Capital Rate	0.1250798	
= Investment Return and Income Taxes	<u>\$81,787,451</u>	To Worksheet 1
INVESTMENT BASE (Excluding NEEWS CWIP)	\$638,541,677	From Worksheet 1
x Cost of Capital Rate	0.1250798	
= Investment Return and Income Taxes	<u>\$79,868,665</u>	To Worksheet 2

Post 2003 PTF Investment Base w/ Incremental 100 bps

Plant In-Service	\$ 369,839,726	From Attachment 1	
Accumulated Depreciation	(77,820,369)	From Worksheets 5 & 7	
Accumulate Deferred Income Taxes	(71,475,120)	From Worksheets 5 & 7	
Total Post-2003 Investment	<u>\$ 220,544,237</u>	Calculated	
Incremental ROE:	1.00%	0.00641	Calculated
Federal Income Taxes:		0.00345	Per Attachment F
State Income Taxes:		0.00062	Per Attachment F
Cost of Capital Rate		0.01048	
Incremental Return and Taxes on Post-2003 PTF Investment		<u>\$ 2,311,694</u>	

NEEWS In-Service w/ Incremental 125 bps:

New England Power NEEWS In-Service	\$ 64,294,797	Plant Accounting Records	
Accumulated Depreciation	(13,528,684)	From Worksheets 3 & 5	
Accumulate Deferred Income Taxes	(12,425,594)	From Worksheets 3 & 5	
Total New England Power NEEWS Investment	<u>\$ 38,340,519</u>	Calculated	
Incremental ROE:	1.25%	0.00801	Calculated
Federal Income Taxes:		0.00431	Per Attachment F
State Income Taxes:		0.00078	Per Attachment F
Cost of Capital Rate		0.01310	
Incremental Return and Taxes on NEEWS PTF Investment		<u>\$ 502,346</u>	

NEEWS in CWIP

New England Power NEEWS In-Service	\$ 15,340,495	From Worksheets 3	
Accumulated Depreciation	0		
Accumulate Deferred Income Taxes	0		
Total New England Power NEEWS Investment	<u>\$ 15,340,495</u>	Calculated	
Incremental ROE:	1.25%	0.00801	Calculated
Federal Income Taxes:		0.00431	Per Attachment F
State Income Taxes:		0.00078	Per Attachment F
Cost of Capital Rate		0.01310	
Incremental Return and Taxes on NEEWS PTF Investment		<u>\$ 200,994</u>	

NEEWS Allocation Factor

Total Transmission Investment	\$1,868,987,189	Worksheet 7 Line 2
Total NEEWS In-Service - NEP	\$ 64,294,797	Plant Accounting Records
For Accumulated Depreciation	3.4401%	
NEEWS Allocation Factor	3.4401%	
Plant Allocation Factor	0.99349%	Worksheet 7 Line 16
For Accumulated Deferred Income Taxes	3.4177%	

New England Power Company
Annual Revenue Requirements
For Costs in 2013

Shading denotes an input

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 410,350,000	35.83%	0.63%	0.23%	
PREFERRED STOCK	\$ 1,111,700	0.10%	6.02%	0.01%	0.01%
COMMON EQUITY	\$ 733,940,928	64.08%	12.89%	8.26%	8.26%
TOTAL INVESTMENT RETURN	\$1,145,402,628	100.01%		8.50%	8.27%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0850

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \left(\frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}} \right)$$

=
$$\left(\frac{0.0827 + \left(\frac{(\$209,592) + \$817,077}{\$653,882,172} \right) / 0.35}{1} \right) \times \left(\frac{0.35}{0.35} \right)$$

= 0.0450310

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{State Income Tax Rate}}{1} \right) + \left(\frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0827 + \left(\frac{(\$209,592) + \$817,077}{\$653,882,172} \right) / 0.059466}{1} \right) + \left(\frac{0.0450310}{0.059466} \right) \times 0.059466$$

= 0.0081346

(a)+(b)+(c) Cost of Capital Rate = 0.1381656

New England Power Company

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Source Reference for Col (1)
1					\$1,019,681,086	Attachment 1, Page 1
2					\$0	Attachment 2
3	\$ 6,020,981	99.7856% (a)	\$6,008,072	54.5579% (b)	\$3,277,878	FERC Form 1 page 207.99g
4			<u>\$6,008,072</u>		<u>\$1,022,958,964</u>	
5	\$ 1,026,919		\$1,026,919	54.5579% (b)	<u>\$560,266</u>	FERC Form 1 page 214.2d,4d,9d
<u>Transmission Accumulated Depreciation</u>						
6	\$ (393,265,685)		(\$393,265,685)	54.5579% (b)	(\$214,557,499)	FERC Form 1 page 219.25b
7	\$ (4,951,981)	99.7856% (a)	(\$4,941,364)	54.5579% (b)	(\$2,695,904)	FERC Form 1 Page 219.28b
8			<u>(\$398,207,049)</u>		<u>(\$217,253,403)</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
9	\$ (285,024,854)	99.3496% (c)	(\$283,171,053)	54.5579% (b)	(\$154,492,180)	FERC Form 1 page 113.62-64
10	\$ (80,919,805)	99.3496% (c)	(\$80,393,503)	54.5579% (b)	(\$43,861,007)	FERC Form 1 page 111.82
11			<u>(\$363,564,556)</u>		<u>(\$198,353,187)</u>	
12	\$ 193,522	100.0000%	\$193,522	54.5579% (b)	<u>\$105,582</u>	FERC Form 1 Page 111.81c
<u>Other Regulatory Assets</u>						
13	\$ -	99.7856% (a)	\$0	54.5579% (b)	\$0	FERC Form 1 Page 232.8f
14	\$ 43,784,787	100.0000%	\$43,784,787	54.5579% (b)	\$23,888,060	FERC Form 1 Page 232.6f
15	\$ -	100.0000%	\$0	54.5579% (b)	\$0	FERC Form 1 Page 278
16	<u>\$43,784,787</u>		<u>\$43,784,787</u>		<u>\$23,888,060</u>	
17	\$ -	99.7856% (a)	\$0	54.5579% (b)	<u>\$0</u>	FERC Form 1 Page 111.57c
18	\$ 3,525,898		\$3,525,898	54.5579% (b)	<u>\$1,923,656</u>	FERC Form 1 Page 227.8c
<u>Cash Working Capital</u>						
20					\$18,445,715	Worksheet 1, Line 20
21					\$19,248,197	Worksheet 1, Line 21
22					\$0	Worksheet 8
23					<u>\$37,693,912</u>	
24					0.1250	x 45 / 360
25					<u>\$4,711,739</u>	
26	\$ 15,340,495				<u>\$15,340,495</u>	Plant Accounting Records

(a) Worksheet 7 Line 11

(b) Worksheet 7 Line 3

(c) Worksheet 7 Line 16

New England Power Company

Shading denotes an input

Line No.	(1) Total (g)	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Source Reference for Col (1)
Depreciation Expense						
1	\$39,679,487		\$39,679,487	54.5579%	\$21,648,295	FERC Form 1 Page 336.7b
2	\$334,405	99.7856% (a)	\$333,688	54.5579%	\$182,053	FERC Form 1 Page 336.10b
3			\$40,013,175		\$21,830,348	
4	\$89,376		\$89,376	54.5579%	\$48,762	FERC Form 1 Page 117.64c
5	(\$384,165)		(\$384,165)	54.5579%	(\$209,592)	FERC Form 1 Page 266.8f - Footnote (f)
6	\$32,088,055		\$32,088,055	54.5579%	\$17,506,569	FERC Form 1 Page 263.10,17,23,28,31i - Footnote (e)
Transmission Operation and Maintenance						
7	\$56,023,206		\$56,023,206	54.5579%	\$30,565,085	FERC Form 1 Page 321.112b
8	\$12,561,903		\$12,561,903	54.5579%	\$6,853,510	FERC Form 1 Page 321.96b
9	\$9,651,875		\$9,651,875	54.5579%	\$5,265,860	FERC Form 1 Page 321.84-92b less 87b
10	\$0		\$0		\$0	FERC Form 1 Page 321.93b & .98b
11	\$33,809,428		\$33,809,428	54.5579%	\$18,445,715	
Transmission Administrative and General						
12	\$36,456,496					FERC Form 1 Page 323.197b
13	\$113,624					FERC Form 1 Page 323.185b
14	\$3,645,548					FERC Form 1 Page 323.189b
15	\$0					FERC Form 1 Page 323.191b
16	\$32,697,324	99.7856% (a)	\$32,627,221	54.5579%	\$17,800,727	
17	\$113,624	99.3496% (c)	\$112,885	54.5579%	\$61,588	Line 13
18	\$2,502,632	99.3496% (c)	\$2,486,355	54.5579%	\$1,356,503	Attachment 5 Line 6
19	\$0		\$0	54.5579%	\$0	Line 15
20	\$53,850		\$53,850	54.5579%	\$29,379	FERC Form 1 Page 350.18c
21	\$35,367,430		\$35,280,311		\$19,248,197	
22	\$1,602,581	99.7856% (a)	\$1,599,145	54.5579%	\$872,460	FERC Form 1 Page 263.3,4i - Footnote (d)
(d) Payroll taxes - G/L 408.1						
(e) Property Taxes FF1, Page 263i						
Federal Unemployment FICA	\$0	Line 4(i)	Massachusetts		\$0	Property Taxes FERC Form 1 Page 263.10(i)
Payroll Taxes	\$1,602,581	Line 3(i)	New Hampshire		\$0	FERC Form 1 Page 263.17(i)
State Unemployment Total	\$0	Line 9 (i)	Vermont		\$0	FERC Form 1 Page 263.23(i)
	\$1,602,581		Maine		\$0	n/a
			Rhode Island		\$0	FERC Form 1 Page 263.28(i) & 35(i)
			Connecticut		\$0	FERC Form 1 Page 263.31(i)
					\$32,088,055	

(a) Worksheet 7, Line 11

(b) Worksheet 7 Line 3

(c) Worksheet 7 Line 16

(d) Transmission Only - Payroll Taxes - Specifically identified in FERC Form 1

(e) Transmission Only - Property Taxes - Specifically Identified in FERC Form 1

(f) Transmission Only - Amortization of ITC - Specifically Identified in FERC Form 1

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

Line No.		NEP	Source Reference
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	\$1,019,681,086	
2	Total Transmission Investment	1,868,987,188.93	Attachment 1, Page 1 FERC Form 1 Page 207.58g - Page 200.4b
3	Percent Allocation (Line 1/Line 2)	54.5579%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	\$0	FERC Form 1 Page 354.14b
5	Affiliated Company Transmission Wages and Salaries	\$18,493,757	General Ledger Query
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	\$18,493,757	
7	Total Wages and Salaries	\$0	FERC Form 1 Page 354.28b
8	Administrative and General Wages and Salaries	\$0	FERC Form 1 Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	\$18,533,501	General Ledger Query
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	\$18,533,501	
11	Percent Allocation (Line 6/Line 10)	99.7856%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	\$1,868,987,189	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	\$6,008,072	Worksheet 5, Line 3, Column 3
14	= Revised Numerator (Line 12 + Line 13)	\$1,874,995,261	
15	Total Plant in Service	\$1,887,269,647	FERC Form 1 Page 207.104g - Page 200.4b
16	Percent Allocation (Line 14 / Line 16)	99.3496%	
<u>Post-2003 PTF Allocation Factor</u>			
17	Total Post-2003 PTF Investment	\$ 369,839,726	Attachment 1 Line 7
18	Total Transmission Investment	\$1,868,987,189	Line 2
19	Percent Allocation (Line 17/Line 18) for Post-2003 to Total Tx	19.7882%	
20	Total Invst in Tx Plant/Total Plant in Serv *		
21	Post-2003 PTF Tx Plant/Total Invst in Tx Plant	19.6595%	Line 19 * Line 16

Shading denotes input

**New England Power Company
Pre-97 RNs Revenue Requirements
For Test Year Ended 12/31/2013**

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1 Reference	TOTAL	
			Revenues (a)	Expenses (b)
NSTAR	HQ Phase II - AC in MA	Pg 332 Line 5 Col (g)		\$0
	Bell Rock Road	Page 330.5 Line 12 Col (n)	\$0	
	Boston Edison -345 kV NH/MA border - Tewksbury 394 Line (Seabrook)	Page 330.1 Line 8 Col (n)	\$0	
NU	Public Service Co. -Moore 115 kV Substation	Page 330.1 Line 5 Col (n)	\$0	
NEP	Chester SVC	Transmission Billing		\$0
	HQ Phase II - AC in MA	Page 330 Line 11 Col (n)	\$0	
VT Elec Co.	Comerford 115 kV Substation	Page 330.1 Line 12 Col (n)	\$0	
		Totals	\$0	\$0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 22, Column 5)

\$0

New England Power Company
2013 Informational Filing
PTF Plant Allocation

				<u>Percent Pre/Post</u>
1	2012	Pre-1997 PTF Transmission Plant	\$349,727,420	
2	2012	Post-1996 PTF Transmission Plant	\$900,658,296	
3	2013	Additions/Retirements	\$115,978,155	
4	2013	Pre-1997 PTF Transmission Plant	\$346,682,784	25.37%
5	2013	Post-1996 PTF Transmission Plant	\$1,019,681,086	74.63%
6	2013	Total PTF Transmission Plant	\$1,366,363,870	100.00%
7	2013	Post-2003 PTF Transmission Plant	\$369,839,726	

Sources:

- 1 PTF Plant Reports for previous year
- 2 PTF Plant Reports for previous year
- 3 Line 6 - Line 1 + Line 2
- 4 PTF Plant Reports for current year
- 5 PTF Plant Reports for current year
- 6 Line 4 + 5
- 7 PTF Plant Report: Post 2003 RSP Projects

Shading denotes an input

GROSS PLANT ASSOC. WITH HVDC LEASES
2013

LINE NO		(HVDC) NHH/NEH <u>LEASE</u>
1	Gross Plant Value Comerford Station to Tewksbury Line	\$0
	Allocation	
2	Miles used by NHH (a)	0
3	Total miles at Comerford Station	0
4	Percentage of Total Gross Plant leased by NHH (a)	0%
5	Total Gross Plant leased by NHH (a)	\$0
6	Total Land from Sandy Pond to New Hampshire	\$0
7	HVDC lines occupy 35% of Right of Way	0%
8	Total Land leased by NEH (a)	\$0
9	Total NEP Gross Plant leased by HVDC to be excluded from PTF Revenue requirement	\$0

Source:

- 1 FERC Form 1, Page 423.1, Lines 5 + 16
- 2 Total miles used per lease agreement
- 3 Total miles per lease agreement
- 4 Line 2 / Line 3
- 5 Line 1 * Line 4
- 6 FERC Form 1, Page 422-423, Line 15
- 7 Percentage per lease agreement
- 8 Line 6 * Line 7
- 9 Line 5 + Line 8

Note:

- (a) NEH and NHH are acronyms for two of the three "Hydro Companies, New England Hydro Transmission (NEH) Electric Company, New England Electric Transmission Corporation, and New England Hydro Transmission Electric Company, Inc. (NHH)".

New England Power Company
Determination of Book Depreciation on Equity AFUDC

		<u>2013</u>
1	Total Current Year Book Depreciation on Equity AFUDC	\$1,500,152
2	Less: Specifically identified Transmission-Related	
	Tewksbury Line	\$54,708
	Hydro-Quebec	\$23,543
	Montaup Transmission	\$9,668
	1998 Transmission	\$13,959
	1999 Transmission	\$42,457
	2000 Transmission	(\$8,299)
	2001 Transmission	\$23,561
	2002 Transmission	\$8,889
	2003 Transmission	\$16,500
	2004 Transmission	\$15,518
	2005 Transmission	\$49,757
	2006 Transmission	\$64,352
	2007 Transmission	\$42,418
	2008 Transmission	\$57,508
	2009 Transmission	\$98,437
	2010 Transmission	\$79,948
	2011 Transmission	\$155,706
	2012 Transmission	\$210,246
	2013 Transmission	\$153,901
		\$1,112,777
3	Total unidentified Book Depreciation on Equity AFUDC	\$387,375
4	Plant Allocator Factor	99.3496%
5	Allocated Transmission Related Book Depreciation on Equity AFUDC	\$384,856
6	Plus: Specifically Identified Transmission-Related Equity AFUDC	<u>\$1,112,777</u>
7	Total Transmission-Related Equity AFUDC	\$1,497,633
8	Post-96 PTF Allocation Factor	54.5579%
9	Transmission-Related Equity AFUDC	\$817,077

Sources:

- 1 & 2 Transmission Rates includes \$9,668 from Montaup
- 3 Line 1 - Line 2
- 4 Worksheet 5 - PTF Plant Allocation Factor
- 5 Line 3 * Line 4
- 6 Line 2
- 7 Line 5 + Line 6
- 8 Worksheet 6 - Post-96 PTF Allocation Factor
- 9 Line 7 * Line 8

New England Power Company
 Determination of the PTF Related Integrated Facilities Charges

	<u>Narragansett</u> <u>2013</u>	<u>MECO</u> <u>2013</u>
1 Total Integrated Facilities Charges	\$0	\$0
2 Total 2013 PTF Property	\$0	\$0
3 Total Transmission Plant in 2013	\$0	\$0
4 NECO or MECO PTF Plant Allocator	0.00%	0.00%
5 PTF Related Integrated Facilities Charge	\$0	\$0
6 Total Integrated Facilities		<u><u>\$0</u></u>

Source:

- 1 FF1 Page 330.4 Lines 13 & 14 Col (n)
- 2 PowerPlant Reports
- 3 FF1 Page 207 Line 58 (g)
- 4 Line 2 / Line 3
- 5 Line 1 * Line 4
- 6 Line 5 Totals for Narragansett and Massachusetts Electric

Shading denotes an input

Attachment 5

New England Power Company
Development of 2013 Regulatory Commission Expense

Line No.		<u>2013</u>	<u>Source</u>
1	Total Regulatory Commission Expense - NEP	\$3,645,548	Estimated FERC Form1 Page 350.46d
2	Less: New Hampshire PUC Assessment	\$63,704	Estimated FERC Form1 Page 350.2d
3	Less: Mass Emergency Fund	\$0	Estimated FERC Form1 Page 350.7d
4	Less Mass DPU Special Assessment	\$229,133	Estimated FERC Form1 Page 350.8d
5	Less: Utility Expenses	\$850,079	Estimated FERC Form1 Page 350.46c
6	Total Federal Assessments	\$2,502,632	Line 1 - (Line 2-5)

Transmission Rents Received from Electric Property

New England Power Company

	<u>2013</u>
Revenues	\$1,034,650
Plant Allocation Factor	100.00%
Transmission Allocated	\$1,034,650
PTF Allocation	54.5579%
Total PTF Revenue	\$564,483

Source: SAP account C4540000, C454000W, C4545000

Revenue for Short-Term Transmission Service under the NEPOOL Tariff

New England Power Company

	<u>2013</u>
Revenues	\$514,715
Post-96 PTF Percent	74.6273%
Total Post-96 PTF Revenue	\$384,118

Source: Short Term Through and Out Revenues from ISO New England

**RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
For RNS Rates Effective June 1, 2014 through May 31, 2015**

Revenue Requirements for Test Year: 2013

Customer: NHT

Customer's NABs Number: _____

Name of Participant responsible for customer's billing: NHT

DUNs number of Participant responsible for customer's billing: _____

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	1 <u>2,843,871</u> Pre-97 WS1, In 14-22	<u>8,819,422</u> Post-96 WS1, In 14-2
Total of Attachment F - Section J - Support Revenue	2 <u>0</u> Pre-97 WS1, In 23	<u>0</u> Post-96 WS1, In 23
Total of Attachment F - Section K - Support Expense	3 <u>659,237</u> Pre-97 WS1, In 24	<u>0</u> Post-96 WS1, In 24
Total of Attachment F - Section (L through O)	4 <u>(320)</u> Pre-97 WS1, In 27	<u>(814)</u> Post-96 WS1, In 27
Sub Total - Sum (A through I) - J + K + (L through O)	5 <u>3,502,787</u> Sum of above	<u>8,818,608</u> Sum of above
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	6 <u>N/A</u>	<u>\$381,696</u> Post-96 WS8, In. 3
Annual True-up (per Attachment C to Attachment F Implementation Rule)	7 <u>\$ (599,383)</u> TU WS4, line 16	<u>\$ 6,975,035</u> TU WS4, line 16
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	8 <u>\$ 2,903,404</u> Ins. 5+6+7	<u>\$16,175,338</u> Ins. 5+6+7

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)

\$19,078,742 Sum of lines 8 Pre-97 & Post-96 above

Note: The calculations reflected in this file reflect a request for waiver from the Attachment F Implementation Rule filed by NHT, including the omission of certain one-time costs from the base component O&M costs in order to reduce the level of PTF revenue requirements that would otherwise occur absent their omission and approval of this waiver. FERC accepted NHT's requested waiver by Order dated June 9, 2014 in Docket No. ER14-1989-000.

**RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
Pre-'97 ATRR**

Shading denotes an input

<u>Line No.</u>		<u>Attachment F Reference</u>	<u>Pre-'97</u>	<u>Reference</u>
	I. INVESTMENT BASE			
		Section:		
1	Transmission Plant	(A)(1)(a)	17,161,382	Pre-97 WS3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Pre-97 WS3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Pre-97 WS3, line 4 column 5
4	Total Plant (Lines 1+2+3)		17,161,382	
5	Accumulated Depreciation	(A)(1)(d)	6,724,441	Pre-97 WS3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	3,337,322	Pre-97 WS3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Pre-97 WS3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Pre-97 WS3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		7,099,619	
10	Prepayments	(A)(1)(h)	13,441	Pre-97 WS3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	0	Pre-97 WS3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	205,631	Pre-97 WS3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		7,318,691	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	1,035,737	Pre-97 WS2
15	Depreciation Expense	(B)	548,281	Pre-97 WS4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Pre-97 WS4, line 4 column 5
17	Investment Tax Credit	(D)	0	Pre-97 WS4, line 5 column 5
18	Property Tax Expense	(E)	272,134	Pre-97 WS4, line 9 column 5
19	Payroll Tax Expense	(F)	1,906	Pre-97 WS4, line 33 column 5
20	Operation & Maintenance Expense	(G)	415,457	Pre-97 WS4, line 14 column 5
21	Administrative & General Expense	(H)	570,356	Pre-97 WS4, line 30 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	NA
23	Transmission Support Revenue	(J)	0	NA
24	Transmission Support Expense	(K)	659,237	Pre-97 WS7
25	Transmission Related Expense from Generators	(L)	0	NA
26	Transmission Related Taxes and Fees Charge	(M)	0	NA
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(320)	Pre-97 WS8, line 5 column b
28	Transmission Rents Received from Electric Property	(O)	0	NA
29	Total Pre-'97 Revenue Requirements (Line 14 thru 28)		3,502,787	

NOTES:

1. All amounts represent NHT's 88.22889% ownership share in the Seabrook Transmission Substation.

RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
Pre-'97 ATRR

Shading denotes an input

	<u>CAPITALIZATION</u> <u>12/31/13</u>	<u>CAPITALIZATION</u> <u>RATIOS</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>EQUITY</u> <u>PORTION</u>
LONG-TERM DEBT	\$ 19,873,325	40.04%	6.00%	2.40%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	29,758,011	59.96%	11.64%	6.98%	6.98%
TOTAL INVESTMENT RETURN	\$ 49,631,336	100.00%		9.38%	6.98%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0938

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp}}{\text{PTF Inv. Base}} \right) / \text{PTF Inv. Base}}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0698 + \left(\frac{0 + 1,710}{7,318,602} \right) / 7,318,602}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0377104

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp}}{\text{PTF Inv. Base}} \right) / \text{PTF Inv. Base}}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0698 + \left(\frac{0 + 1,710}{7,318,602} \right) / 7,318,602}{1} \right) + \frac{0.0377104}{0.085} \times 0.085$$

= 0.0100090

(a)+(b)+(c) Cost of Capital Rate = 0.1415194

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 7,318,602	From Pre-97 WS1, line 13
x Cost of Capital Rate	0.1415194	
= Investment Return and Income Taxes	<u>1,035,724</u>	To Pre-97 WS1, Line 14

**RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
Pre-'97 ATRR**

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) Pre-Post PTF Allocation Factor	(5) = (3)*(4) PTF Allocated	Reference for col (1)
<u>Transmission Plant</u>						
1	17,161,382	Directly Assigned	17,161,382	Directly Assigned	17,161,382	Pre-97 WS 5, line 1
2	0		0		0	
3					<u>17,161,382</u>	
4	NA		NA		0	
<u>Transmission Accumulated Depreciation</u>						
5	6,724,441	Directly Assigned	6,724,441	Directly Assigned	6,724,441	From Plant Data Support 5
6	0		0		0	
7					<u>6,724,441</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	11,818,274	Directly Assigned	11,818,274	Pre-97 PTF Factor 28.2387% (a)	3,337,322	From Plant Data Support 5
9	0		0		0	
10					<u>3,337,322</u>	
11	0		0		0	
<u>Other Regulatory Assets</u>						
12	0		0		0	
13	0		0		0	
14	0		0		0	
15					<u>0</u>	
16	54,508	100.0000%	54,508	PTF Allocation Factor 24.6595% (b)	13,441	
17	0		0		0	
<u>Cash Working Capital</u>						
19					415,457	Pre-97 WS 1, Line 20
20					570,356	Pre-97 WS 1, Line 21
21					659,237	Pre-97 WS 7
22					<u>1,645,049</u>	
23					0.125	x 45 / 360
24					<u>205,631</u>	

Notes:

References:

(b) Worksheet 5, line 3 (Pre-97 PTF/HTF Transmission Plant Allocation Factor)

RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
Pre-'97 ATRR

Shading denotes an input

Line No.	(1) Total	(2) Wage / PTF- Non-PTF Plant Allocation	(3) = (1)*(2) Transmission Allocated	(4) PTF/HTF Allocation Factor	(5) = (3)*(4) PTF Allocated	Reference for col (1)
<u>Depreciation Expense</u>						
1	548,281	Directly Assigned	548,281	Directly Assigned	548,281	Plant Data Su
2	0		0		0	
3					548,281	
4	0		0		0	
5	0		0		0	
<u>Property Taxes</u>						
7	1,103,568	100% (c)	1,103,568	24.6595% (a)	272,134	From Form 1
8	0		0		0	
9					272,134	
<u>Transmission Operation and Maintenance</u>						
10	1,684,773	(e) Directly Assigned	1,684,773	24.6595% (a)	415,457	From Form 1
11	0		0		0	
12	0		0		0	
13	0		0		0	
14					415,457	
<u>Transmission Administrative and General</u>						
20	2,312,926					From Form 1
21	103,859					From Form 1
22	48,825					From Form 1
23	2,881					
24		Directly Assign (b)	2,157,361	24.6595% (a)	531,994	
26	103,859	100% (c)	103,859	24.6595% (a)	25,611	From Form 1
28	48,825	100% (c)	48,825	24.6595% (a)	12,040	From Form 1
29	2,881	100%	2,881	24.6595%	710	
30					570,356	
33	7,730	Directly Assign (b)	7,730	24.6595% (a)	1,906	From Form 1

References:

- (a) Worksheet 5, line 3 (PTF/HTF Allocation Factor applicable to NHT)
- (b) Worksheet 5, line 14 (Wage and Salary Allocation Factor applicable to NHT. All Wages and Salaries are Transmission Related thus costs are directly assigned.)
- (c) Worksheet 5, line 19 (Transmission Plant Allocation Factor applicable to NHT. All plant owned by NHT is Transmission Related and thus costs are directly assigned.)


RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
OE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
Pre-'97 ATRR

Shading denotes an input

Line No.		Pre-'97	Reference
	<u>PTF/HTF Transmission Plant Allocation Factor</u>		
1	PTF Transmission Investment (Pre 1997)	17,161,382	Plant Data Support or Form 1
2	Total Transmission Investment	69,593,417	Plant Data Support or Form 1
3	Percent Allocation (Line 1/Line 2)	24.6595%	Line 1 / line 2
	<u>PTF/HTF Transmission Plant Allocation Factor</u>		
4	PTF Transmission Investment (Post-1996)	43,611,267	Plant Data Support or Form 1
5	Total Transmission Investment	69,593,417	Plant Data Support or Form 1
6	Percent Allocation (Line 4/Line 5)	62.6658%	Line 4 / line 5
	<u>Transmission Wages and Salaries Allocation Factor</u>		
7	Direct Transmission Wages and Salaries	0	Form 1
8	Affiliated Company Transmission Wages and Salaries	0	Form 1
9	Total Transmission Wages and Salaries (Line 7 + Line 8)	0	Sum Lines 7 + 8
10	Total Wages and Salaries	0	Form 1
11	Administrative and General Wages and Salaries	0	Form 1
12	Affiliated Company Wages and Salaries less A&G	0	
13	Total Wages and Salaries net of A&G (Line 10 - 11 + 12)	0	Sum Lines 10 + 11 + 12
14	Percent Allocation (Line 9/Line 13)	100.00%	Line 9 / Line 13
	Force to	100%	because NHT has no other business function other than Transmission
	<u>Plant Allocation Factor</u>		
15	Total Transmission Investment	69,593,417	Form 1
16	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	0	Pre-97 WS3, Line 2
17	Total Transmission Related Investment (Line 15 + Line 16)	69,593,417	Sum Lines 15 + 16
18	Total Plant in Service	69,593,417	Form 1
19	Percent Allocation (Line 17 / Line 18)	100.0000%	Line 17 / Line 18
	<u>Pre-1997 and Post 1996 Transmission Plant</u>		
20	PTF PRE 1997 Transmission Investment	17,161,382	Plant Data Support or Form 1
21	PTF POST 1996 Transmission Investment	43,611,267	Plant Data Support or Form 1
22	Total PTF Transmission Plant (Line 20+21)	60,772,649	Sum Lines 20 + 21
23	Percentage PTF PRE 1997 Transmission Investment (Line 20 / 22)	28.2387%	Line 20 / Line 22
24	Percentage PTF POST 1996 Transmission Investment (Line 21 / 22)	71.7613%	Line 21 / Line 22
25	Total PTF Transmission Plant Percentage (Line 23 + 24)	100.0000%	Sum Lines 23 + 24
	<u>General Plant Allocation Factor Per NHT Accounting Records</u>		
27	Pre-97 PTF	0	
28	Post-96 PTF	605,173	98.7%
29	Non-PTF	7,971	1.3%
30	Total	613,144	100.0%

**RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
Pre-'97 ATRR**

Affiliated Company Wages and Salaries

 Shading denotes an input

<u>Line</u>	<u>NHT</u>
<u>"Affiliated" Transmission Wages and Salaries</u>	
<u>#560 - 573</u>	
1 560	0
2 562	0
3 564	0
4 566	0
5 568	0
6 569	0
7 570	0
8 571	0
9 572	0
10 573	0
11 Total Transmission (1 thru 10)	<u>0</u>
12 Total "Affiliated" Wages and Salaries	<u>0</u>
<u>Less "Affiliated" Administrative and General Salaries</u>	
<u>#920 - 935</u>	
13 920	0
14 921	0
15 923	0
16 925	0
17 926	0
18 928	0
19 930	0
20 935	0
21 Total Affiliated Administrative and General Salaries (13 thru 20)	<u>0</u>
22 = 12 Total "Affiliated" less A&G	<u><u>0</u></u>

**RTO-NE Regional Transmission Service
 NHT's PTF Annual Transmission Revenue Requirements
 per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
 SED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
 Pre-'97 ATRR**

Input Revenues associated with the NPTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	NHT		
			Revenues (a)	Expenses (b)	
NEP	345 kV NH/MA border - Tewksbury 394 line			332,324	See note
NU	345 kV 363, 369 and 394 Seabrook Lines			326,913	See note
Total =			0	659,237	

Amount by which Support Expense exceeds Support Revenues 659,237
 (To Worksheet 3, Line 21, Column 5)

Note: Amounts reflect Transmission Support Payments paid by NHT in 2013 pursuant to the Seabrook Transmission Support Agreement.

RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
Pre-'97 ATRR

Short-Term Revenues Received Under ISO-NE Tariff

Line No.	Revenue Source ^(a)	Total Amount ^(b)	Reference
1	TOUT Revenues	\$1,135	ISO-NE
2	Post-96 PTF Plant Allocator	71.8%	Post-96 WS5, line 24
3	Pre-97 PTF Plant Allocator	28.2%	Post-96 WS5, line 23
4	Post-96 Revenues	\$814	Line 1 x Line 2
5	Pre-97 Revenues	\$320	Line 1 x Line 3

RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
Post-'96

Shading denotes an input

Line No.	Attachment F Reference	NHT	Reference
I. INVESTMENT BASE			
	Section:		
1	Transmission Plant (A)(1)(a)	43,611,267	Post-96 WS 3, line 1, column 5
2	General Plant (A)(1)(b)	605,173	Post-96 WS 3, line 2, column 5
3	Plant Held For Future Use (A)(1)(c)	<u>553,788</u>	Post-96 WS 3, line 5, column 5
4	Total Plant (Lines 1+2+3)	44,770,228	
5	Accumulated Depreciation (A)(1)(d)	6,021,619	Post-96 WS 3, line 8, column 5
6	Accumulated Deferred Income Taxes (A)(1)(e)	8,480,951	Post-96 WS 3, line 12, column 5
7	Loss On Reacquired Debt (A)(1)(f)	0	Post-96 WS 3, line 14, column 5
8	Other Regulatory Assets (A)(1)(g)	<u>0</u>	Post-96 WS 3, line 18, column 5
9	Net Investment (Line 4-5-6+7+8)	30,267,658	
10	Prepayments (A)(1)(h)	34,158	Post-96 WS 3, line 19, column 5
11	Materials & Supplies (A)(1)(i)	0	Post-96 WS 3, line 20, column 5
12	Cash Working Capital (A)(1)(j)	<u>313,149</u>	Post-96 WS 3, line 27, column 5
13	Total Investment Base (Line 9+10+11+12)	<u>30,614,965</u>	
II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes (Post-'96 / Pre-'04 Investments) (A)	4,330,698	Post-96 WS2
15	Incentive Investment Return and Income Taxes (Eligible Investments) (A)	0	Post-96 WS2A
16	Depreciation Expense (B)	1,287,130	Post-96 WS4, line 3 column 5
17	Amortization of Loss on Reacquired Debt (C)	0	Post-96 WS4, line 4 column 5
18	Investment Tax Credit (D)	0	Post-96 WS4, line 5 column 5
19	Property Tax Expense (E)	691,560	Post-96 WS4, line 9 column 5
20	Payroll Tax Expense (F)	4,844	Post-96 WS4, line 32 column 5
21	Operation & Maintenance Expense (G)	1,055,776	Post-96 WS4, line 14 column 5
22	Administrative & General Expense (H)	1,449,414	Post-96 WS4, line 28 column 5
23	Transmission Related Integrated Facilities Charge (I)	0	NA
24	Transmission Support Revenue (J)	0	Post-96 WS7
25	Transmission Support Expense (K)	0	Post-96 WS7
26	Transmission Related Expense from Generators (L)	0	NA
27	Transmission Related Taxes and Fees Charge (M)	0	NA
28	Revenue for ST Trans. Service Under NEPOOL Tariff (N)	(814)	Post-96 WS9, line 7 column b
29	Transmission Rents Received from Electric Property (O)	<u>0</u>	NA
30			
31	Total Post-'96 Revenue Requirements (Line 14 thru 29)	<u>8,818,608</u>	

NOTES:

1. All amounts represent NHT's 88.22889% ownership share in the Seabrook Transmission Substation.

RTO-NE Regional Transmission Service
 NHT's PTF Annual Transmission Revenue Requirements
 per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
 ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
 Post-'96

Shading denotes an input

	CAPITALIZATION 12/31/13	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 19,873,325	40.04%	6.00%	2.40%	
PREFERRED STOCK	-	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY (see note)	29,758,011	59.96%	11.64%	6.98%	6.98%
TOTAL INVESTMENT RETURN	\$ 49,631,336	100.00%		9.38%	6.98%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0938

(b) Federal Income Tax = $\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv.}}{\text{Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}} \right) / \text{PTF Inv. Base}}{1} \right) \times \text{Federal Income Tax Rate}$

= $\left(\frac{0.0698 + (0 + 4,345) / 30,614,739}{1} \right) \times 0.35$

= 0.0376610

(c) State Income Tax = $\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv.}}{\text{Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}} \right) / \text{PTF Inv. Base}}{1} \right) \times \text{Federal Income Tax} + \text{State Income Tax Rate}$

= $\left(\frac{0.0698 + (0 + 4,345) / 30,614,739}{1} \right) \times 0.0376610 + 0.085$

= 0.0099959

(a)+(b)+(c) Cost of Capital Rate = 0.1414569

(PTF)

INVESTMENT BASE	\$ 30,614,739	From Post-96 WS 1, line 13
x Cost of Capital Rate	0.1414569	
= Investment Return and Income Taxes	<u>4,330,666</u>	To Post-96 WS 1, Line 14

RTO-NE Regional Transmission Service
 NHT's PTF Annual Transmission Revenue Requirements
 per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
 ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
 Post-'96

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)/(2) Transmission Allocated	(4) PTF Allocation Factor	(5) = (3)/(4) PTF Allocated	Reference for col (1)
<u>Transmission Plant</u>						
1	43,611,267	Directly Assigned	43,611,267		43,611,267	Post-96 WS 5, line 4
2	613,144	100.00%	613,144	Directly Assigned	605,173	Form 1 Data Sheet
3	44,224,411				44,216,440	
4	0				0	Post-96 WS 5, line 26
5	553,788	Directly Assigned	553,788	Directly Assigned	553,788	Form 1 Data Sheet
<u>Transmission Accumulated Depreciation</u>						
6	5,992,849	Directly Assigned	5,992,849	Directly Assigned	5,992,849	From Plant Data Support 5
7	29,149	Directly Assigned	29,149	98.7000%	28,770	Form 1 Data Sheet
8					6,021,619	
9	NA	0	NA	0	NA	
<u>Transmission Accumulated Deferred Taxes</u>						
10	11,818,274	Directly Assigned	11,818,274	Post-96 PTF Factor (a)	8,480,951	From Plant Data Support 5
11	0		0	71.7613%		
12					8,480,951	
13	NA	NA	NA	NA	NA	Note 2
14	0		0		0	
<u>Other Regulatory Assets</u>						
15	0		0		0	
16	0		0		0	
17	0		0		0	
18	0		0		0	
19	54,508	100%	54,508	PTF Allocation Factor	34,158	From Form 1 Data worksheet
20	0		0	62.8658% (b)		
<u>Cash Working Capital</u>						
22					1,055,776	Post-96 WS 1, Line 21
23					1,449,414	Post-96 WS 1, Line 22
24					0	Post-96 WS 7
25					2,505,190	
26					0.125	x 45 / 360
27					313,149	

References:

- (b) Worksheet 5, line 3 (Pre-97 PTF/HTF Transmission Plant Allocation Factor)
- (a) Worksheet 5, line 23 % of Pre-97 PTF to total PTF Plant

RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
 Post-96

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF/HTF Allocation Factor	(5) = (3)*(4) PTF Allocated	Reference for col (1)
Depreciation Expense						
1	1,268,114	100.00%	1,268,114	Directly Assigned	1,268,114	Plant Data Support 5 worksheet
2	19,016	Directly Assigned	19,016	Directly Assigned	19,016	
3					<u>1,287,130</u>	
4	0		0		<u>0</u>	
5	0		0		<u>0</u>	
Property Taxes						
7	1,103,568	100%	1,103,568	62.6658% (a)	691,560	From Form 1 Data worksheet
8	0		0		0	
9	1,103,568				<u>691,560</u>	
Transmission Operation and Maintenance						
10	1,684,773	Directly Assigned (c)	1,684,773	62.6658% (a)	1,055,776	From Form 1 Data worksheet
11	0		0		0	
12	0		0		0	
13	0		0		0	
14	1,684,773				<u>1,055,776</u>	
Transmission Administrative and General						
15	2,312,926					From Form 1 Data worksheet
16	103,859					From Form 1 Data worksheet
17	48,825					From Form 1 Data worksheet
18	2,881					
19	2,157,361	Directly Assigned (b)	2,157,361	62.6658% (a)	1,351,928	
25	103,859	100%	103,859	62.6658% (a)	65,084	From Form 1 Data worksheet
26	48,825	100%	48,825	62.6658% (a)	30,597	From Form 1 Data worksheet
27	2,881	100%	2,881	62.6658% (a)	1,805	
28	2,312,926		0	62.6658% (a)	<u>1,449,414</u>	
32	7,730	Directly Assigned (b)	7,730	62.6658% (a)	4,844	From Form 1 Data worksheet

Notes:

- Reference (a) Worksheet 5, line 3 (PTF/HTF Allocation Factor applicable to NHT)
 (b) Worksheet 5, line 14 (Wage and Salary Allocation Factor applicable to NHT. All Wages and Salaries are Transmission Related thus costs are directly assigned.)
 (c) Worksheet 5, line 19 (Transmission Plant Allocation Factor applicable to NHT. All plant owned by NHT is Transmission Related and thus costs are directly assigned.)

RTO-NE Regional Transmission Service
 NHT's PTF Annual Transmission Revenue Requirements
 per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
 ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
 Post-'96

Shading denotes an input

Line No.		NHT	Reference
<u>PTF/HTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment (Pre 1997)	17,161,382	From Data Support 5 worksheet
2	Total Transmission Investment	69,593,417	From NHT 2011 Form 1 - See worksheet "Form 1 Data" (Transmission Plant In Service + Held For Future Use)
3	Percent Allocation	24.6995%	Line 1 / line 2
<u>PTF/HTF Transmission Plant Allocation Factor</u>			
4	PTF Transmission Investment (Post-1996)	43,611,267	From Data Support 1 & 4 worksheets
5	Total Transmission Investment	69,593,417	From NHT 2011 Form 1 - See worksheet "Form 1 Data"
6	Percent Allocation	62.6658%	Line 4 / line 5
<u>Transmission Wages and Salaries Allocation Factor</u>			
7	Direct Transmission Wages and Salaries	0	Form 1
8	Affiliated Company Transmission Wages and Salaries	0	Form 1
9	Total Transmission Wages and Salaries	0	Sum Lines 7 + 8
10	Total Wages and Salaries	393,492	Form 1
11	Administrative and General Wages and Salaries	393,492	Form 1
12	Affiliated Company Wages and Salaries less A&G	0	
13	Total Wages and Salaries net of A&G	0	Sum Lines 10 + 11 + 12
14	Percent Allocation	100.00%	Line 9 / Line 13
	Force to	100%	because NHT has no other business function other than Transmission
<u>Plant Allocation Factor</u>			
15	Total Transmission Investment	69,593,417	Form 1
16	plus Transmission-Related General Plant	613,144	
17	Total Transmission Related Investment	70,206,561	Sum Lines 15 + 16
18	Total Plant in Service	70,206,561	Form 1 includes Total Transmission Plant + Plant Held For Future Use + General Plant
19	Percent Allocation	100.0000%	Line 17 / Line 18
<u>Pre-1997 and Post 1996 Transmission Plant</u>			
20	PTF PRE 1997 Transmission Investment	17,161,382	Plant Data Support or Form 1
21	PTF POST 1996 Transmission Investment	43,611,267	Plant Data Support or Form 1
22	Total PTF Transmission Plant	60,772,649	Sum Lines 20 + 21
23	Percentage PTF PRE 1997 Transmission Investment	28.2387%	Line 20 / Line 22
24	Percentage PTF POST 1996 Transmission Investment	71.7613%	Line 21 / Line 22
25	Total PTF Transmission Plant Percentage	100.0000%	Sum Lines 23 + 24
<u>General Plant Allocation Factor Per NHT Accounting Records</u>			
27	Pre-'97 PTF	0	
28	Post-'96 PTF	605,173	98.7%
29	Non-PTF	7,971	1.3%
30	Total	613,144	100.0%

RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
Post-'96
Affiliated Company Wages and Salaries

Shading denotes an input

Line	NHT
"Affiliated" Transmission Wages and Salaries	
#560 - 573	
1 560	0
2 562	0
3 564	0
4 566	0
5 568	0
6 569	0
7 570	0
8 571	0
9 572	0
10 573	0
11 Total Transmission (1 thru 10)	0
12 Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries	
#920 - 935	
13 920	0
14 921	0
15 923	0
16 925	0
17 926	0
18 928	0
19 930	0
20 935	0
21 Total Affiliated Administrative and General Salaries (13 thru 20)	0
22 = 12 Total "Affiliated" less A&G	0

RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder
Post-'96

Input Revenues associated with the NPTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Post-97 WS1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	NHT		
			Revenues (a)	Expenses (b)	
NEP				0	
	Not Applicable to Post-96 Period				
				0	
Total =			0	0	

Amount by which Support Expense exceeds Support Revenues
(To Post-96 WS3, Line 24, Column 5) 0

Note: All amounts represent NHT's 88.22889% ownership share in the Seabrook Substation.

**RTO-NE Regional Transmission Service
NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff
ROE BASED ON REHEARING ORDER BASE ROE SET AT 10.4% + 0.74 Bond Yield Adjustment + 0.5 RTO Adder**

Forecast Transmission Revenue Requirements of PTF Facilities

Shading denotes an input

Line No.	Description	Period	Attachment F Reference Section:	NHT	Reference
I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS					
1	Forecasted Transmission Plant Additions	2014	Appendix C	\$1,937,610	Note 1
2	Carrying Charge Factor		Appendix C	19.70%	Line 15
3	Total Forecasted Revenue Requirements (Lines 1*2)			\$381,696	Line 1 x Line 2
II. CARRYING CHARGE FACTOR					
4	Investment Return and Income Taxes (Post-'96 / Pre-'04 Investments)		(A)	\$4,330,698	Post-96, WS 1, line 14
5	Incentive Investment Return and Income Taxes (Eligible Investments)			0	Post-96, WS 1, line 15
6	Depreciation Expense		(B)	1,287,130	Post-96, WS 1, line 16
7	Amortization of Loss on Reacquired Debt		(C)	0	Post-96, WS 1, line 17
8	Investment Tax Credit		(D)	0	Post-96, WS 1, line 18
9	Property Tax Expense		(E)	691,560	Post-96, WS 1, line 19
10	Payroll Tax Expense		(F)	4,844	Post-96, WS 1, line 20
11	Operation & Maintenance Expense		(G)	1,055,776	Post-96, WS 1, line 21
12	Administrative & General Expense		(H)	1,449,414	Post-96, WS 1, line 22
13	Total Expenses (Lines 4 thru 12)			\$8,819,422	Sum lines 4 thru 12
14	PTF Transmission Plant		(A)(1)(a)	\$44,770,228	Post-96, WS 1, line 4
15	Carrying Charge Factor (Lines 13/14)			19.70%	Line 13 / Line 15

Note: Forecast Plant Addition includes following projects expected to be placed in service / closed to books by 12/31/14:

1	Protective Relay Upgrade System Phase II	\$ 711,652
2	369 Line Structural TTR6	497,467
3	Battery Monitoring System 1-Battery 3-Relay Room	258,095
4	Battery Monitoring System 2-Battery 4-Relay Room	180,234
5	100A Hi-Pot Recepticles in PA Switchyard	88,229
6	SF6 Leak Repair	66,172
7	Capital Tools	59,938
8	Fixed Asset Solutions Project	52,078
9	Compliance System Development Costs	13,261
10	FERC Module Costs	10,484
Total Forecast Capital Additions		1,937,610

**NHT's PTF Annual Transmission Revenue Requirements
per Tariff Attachment F of the ISO-NE Open Access Transmission Tariff**

Short-Term Revenues Received Under ISO-NE Tariff

Line No.	(a) Revenue Source	(b) Total Amount	Reference
1	TOUT Revenues	\$1,135	NHT Accounting
2	Post-96 PTF Plant Allocator	71.8%	Post-96 WS5, line 24
3	Pre-97 PTF Plant Allocator	28.2%	Post-96 WS5, line 23
4	Post-96 Revenues	\$814	Line 1 x Line 2
5	Pre-97 Revenues	\$320	Line 1 x Line 3

NHT
Annual Revenue Requirements of PTF Facilities
Supporting True Up for Rates Effective June 1, 2014

Shading denotes an input

Line No.	I. INVESTMENT BASE	Attachment F Reference Section:	PRE97		POST 1996		Reference
1	Transmission Plant		\$	17,161,382	\$	43,611,267	Per-97 and Post-96 WS1
2	General Plant	Appendix C		0		605,173	Per-97 and Post-96 WS1
3	Plant Held For Future Use	Appendix C		0		553,788	Per-97 and Post-96 WS1
4	Total Plant (Lines 1+2+3)		\$	17,161,382	\$	44,770,228	Per-97 and Post-96 WS1
5	Accumulated Depreciation	Appendix C	\$	6,724,441	\$	6,021,619	Per-97 and Post-96 WS1
6	Accumulated Deferred Income Taxes	Appendix C		3,337,322		8,480,951	Per-97 and Post-96 WS1
7	Loss On Reacquired Debt	Appendix C		0		0	Per-97 and Post-96 WS1
8	Other Regulatory Assets	Appendix C		0		0	Per-97 and Post-96 WS1
9	Net Investment (Line 4-5-6+7+8)		\$	7,099,619	\$	30,267,658	Per-97 and Post-96 WS1
10	Prepayments	Appendix C		13,441		34,158	Per-97 and Post-96 WS1
11	Materials & Supplies	Appendix C		0		0	Per-97 and Post-96 WS1
12	Cash Working Capital	Appendix C		205,631		313,149	Per-97 and Post-96 WS1
13	Total Investment Base (Line 9+10+11+12)		\$	7,318,691	\$	30,614,965	Per-97 and Post-96 WS1
II. REVENUE REQUIREMENTS							
14	Investment Return and Income Taxes	Appendix C	\$	1,035,737	\$	4,330,698	Per-97 and Post-96 WS1
15	Incentive Return and Income Taxes (Post-2003 Investments)	Appendix C				0	Per-97 and Post-96 WS1
16	Depreciation Expense	Appendix C		548,281		1,287,130	Per-97 and Post-96 WS1
17	Amortization of Loss on Reacquired Debt	Appendix C		0		0	Per-97 and Post-96 WS1
18	Investment Tax Credit	Appendix C		0		0	Per-97 and Post-96 WS1
19	Property Tax Expense	Appendix C		272,134		691,560	Per-97 and Post-96 WS1
20	Payroll Tax Expense	Appendix C		1,906		4,844	Per-97 and Post-96 WS1
21	Operation & Maintenance Expense	Appendix C		415,457		8,121,595 (a)	Per-97 and Post-96 WS1
22	Administrative & General Expense	Appendix C		570,356		1,449,414	Per-97 and Post-96 WS1
23	Transmission Related Integrated Facilities Charge	Appendix C		0		0	Per-97 and Post-96 WS1
24	Transmission Support Revenue	Appendix C		0		0	Per-97 and Post-96 WS1
25	Transmission Support Expense	Appendix C		659,237		0	Per-97 and Post-96 WS1
26	Transmission Related Expense from Generators	Appendix C		0		0	Per-97 and Post-96 WS1
27	Transmission Related Taxes and Fees Charge	Appendix C		0		0	Per-97 and Post-96 WS1
28	Revenue for ST Trans. Service Under NEPOOL Tariff	Appendix C		(320)		(814)	Per-97 and Post-96 WS1
29	Transmission Rents Received from Electric Property	Appendix C		0		0	Per-97 and Post-96 WS1
30	Restated per 2013 Form 1 Total Revenue Requirements (Line 14 thru 28)		\$	3,502,787	\$	15,884,427	Per-97 and Post-96 WS1
31	As-Filed / Billed June 1, 2013 - May 31, 2014 less True-Up component		\$	4,082,841	\$	9,134,327	June 2, 2009 RNS Rates
32	True-Up (Over) / Under Collection (line 30-31)		\$	(580,054)	\$	6,750,099	line 30 less line 31

NHT
FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities

Undercollection / (Overcollection)							
PRE97	\$ (580,054)	Over collection					
Post1996	\$ 6,750,099	Under collection					
Net Total	\$ 6,170,046	Net Under collection					
Line No.	Initial Billing Period	PRE97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE97 Interest	POST 1996 Interest	
1	June 2013	\$ (580,053.76)	\$ 6,750,099	0.27%	\$ (1,566)	\$ 18,225	
2	July 2013	(581,619.91)	6,768,324.54	0.28%	(1,628.54)	18,951.31	
3	August 2013	(581,619.91)	6,768,324.54	0.28%	(1,628.54)	18,951.31	
4	September 2013	(581,619.91)	6,768,324.54	0.27%	(1,570.37)	18,274.48	
6	October 2013	(586,447.35)	6,824,501.63	0.28%	(1,642.05)	19,108.60	
7	November 2013	(586,447.35)	6,824,501.63	0.27%	(1,583.41)	18,426.15	
8	December 2013	(586,447.35)	6,824,501.63	0.28%	(1,642.05)	19,108.60	
9	January 2014	(591,314.86)	6,881,144.99	0.28%	(1,655.68)	19,267.21	
10	February 2014	(591,314.86)	6,881,144.99	0.25%	(1,478.29)	17,202.86	
11	March 2014	(591,314.86)	6,881,144.99	0.28%	(1,655.68)	19,267.21	
12	April 2014	(596,104.51)	6,936,882.27	0.27%	(1,609.48)	18,729.58	
13	May 2014	(596,104.51)	6,936,882.27	0.28%	(1,669.09)	19,423.27	
14			Total Interest		\$ (19,329)	\$ 224,936	\$ 205,607
15			True-Up		\$ (580,054)	\$ 6,750,099	\$ 6,170,046
16			Total TU & Int		\$ (599,383)	\$ 6,975,035	\$ 6,375,652
							Net Under Collection Charged to PTF ATRR

CALCULATION OF PRE 1997 AND POST 1996
PLANT IN SERVICE AND ACCUMULATED DEPRECIATION

	Pre - 97		Post - 96										Total Post - 96
	Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	2013 Additions		
Plant in Service at 12/31/03	21,996,233	2,009,542	-	-	-	-	-	-	-	-	-	-	2,009,542
Accumulated provision for Depreciation	6,436,069	587,989	-	-	-	-	-	-	-	-	-	-	587,989
	15,560,164	1,421,553	-	-	-	-	-	-	-	-	-	-	1,421,553
Monthly Depreciation Expense													
Depreciable Balance	21,996,233	2,009,542	31,762	-	-	-	-	-	-	-	-	-	2,041,304
Monthly Depreciation Rate = .0312 /12	0.0026	0.0026	0.0026	0.0026	-	-	-	-	-	-	-	-	
Monthly Depreciation Expense	57,190.21	5,225	82.58	-	-	-	-	-	-	-	-	-	5,307
Jan - December 2004	12	12	11.5	-	-	-	-	-	-	-	-	-	
2004 Depreciation Expense	686,282	62,698	950	-	-	-	-	-	-	-	-	-	63,647
Plant In Service at 12/31/04	21,996,233	2,009,542	31,762	-	-	-	-	-	-	-	-	-	2,041,304
Accumulated provision for Depreciation at 12/31/04	7,122,351	650,687	950	-	-	-	-	-	-	-	-	-	651,636
Net Plant NBV @ 12/31/04	14,873,882	1,358,855	30,813	-	-	-	-	-	-	-	-	-	1,389,668
2005													
Additions													
Jan - August				0									-
September				255,084									255,084
October				0									-
November				350,072									350,072
December				(704)									(704)
Retirements and Removal													
Jan - August	0												-
September	132,343												-
October	0												-
November	268,687												-
December	0												-
Monthly Depreciation Expense													
Depreciable Balance @ 12/31/04	21,996,233	2,009,542	31,762	-	-	-	-	-	-	-	-	-	2,041,304
Monthly Depreciation Rate = .0312 /12	0.0026	0.0026	0.0026	-	-	-	-	-	-	-	-	-	
Monthly Depreciation Expense	57,190	5,225	83	-	-	-	-	-	-	-	-	-	5,307
Jan - December	12	12	12	-	-	-	-	-	-	-	-	-	
Depreciation Expense on 2004 Balance	686,282	62,698	991	-	-	-	-	-	-	-	-	-	63,689
Add:													
September Additions/Retirements	(132,343)			255,084									
Monthly Depreciation Rate = .0312 /12	0.0026			0.0026									
Monthly Depreciation Expense	(344)			663									
Sept - December	4			4									
Deprec Exp.on Sept Addition/Retirement	(1,376)			2,653									2,653
November Additions/Retirements	(268,687)			350,072									
Monthly Depreciation Rate = .0312 /12	0.0026			0.0026									
Monthly Depreciation Expense	(699)			910									
Nov - December	1.5			1.5									
Deprec Exp.on Nov Addition/Retirement	(1,048)			1,365									1,365
December Additions/Retirements	0			(704)									
Monthly Depreciation Rate = .0312 /12				0.0026									
Monthly Depreciation Expense				(2)									
December				0.5									
Deprec Exp.on Dec Addition/Retirement				(1)									(1)
Plant In Service at 12/31/05	21,595,203	2,009,542	31,762	604,451	-	-	-	-	-	-	-	-	2,645,756
Accumulated provision for Depreciation at 12/31/05	7,405,180	713,384	1,941	4,017	-	-	-	-	-	-	-	-	719,342
Net Plant NBV @ 12/31/05	14,190,023	1,296,158	29,822	600,434	-	-	-	-	-	-	-	-	1,926,413

	Pre - 97	Post - 96										Total Post - 96	
	Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	2013 Additions		
Plant in Service at 12/31/03	21,996,233	2,009,542	-	-	-	-	-	-	-	-	-	-	2,009,542
	Pre - 97 (PTF)	Post - 96 (PTF)											
		Pre -2004	2004 Additions	2005 Additions	2006 Additions							Total Post - 96	
Plant in Service at 12/31/05	21,595,203	2,009,542	31,762	604,451							2,645,756		
Accumulated provision for Depreciation at 12/31/05	7,405,180	713,384	1,941	4,017							719,342		
Net Plant NBV @ 12/31/05	14,190,023	1,296,158	29,822	600,434							1,926,413		

2006												
Additions												
Jan					8,876							
March					60							
June					356,063							
August					18,807							
September					13,845							
October					(448)							
November					448							
December					977							
Retirements and Removal												
Jan - May												
June Retirement	134,088											
June - Removal	3,000											
July - Dec												
Monthly Depreciation Expense												
Depreciable Balance @ 12/31/05	21,595,203	2,009,542	31,762	604,451	-							2,645,756
Monthly Depreciation Rate = .0312 /12	0.0026	0.0026	0.0026	0.0026								
Monthly Depreciation Expense	56,148	5,225	83	1,572								6,879
Jan - December	12	12	12	12								
Depreciation Expense on 2005 Balance	673,770	62,698	991	18,859								82,548
Add:												
January Additions/Retirements					8,876							
Monthly Depreciation Rate = .0312 /12					0.0026							
Monthly Depreciation Expense					23							
Jan - December					11.5							265
Deprec Exp.on Jan Addition/Retirement					265							
Add:												
March Additions/Retirements					60							
Monthly Depreciation Rate = .0312 /12					0.0026							
Monthly Depreciation Expense					0.16							
March - December					9.5							1
Deprec Exp.on March Addition/Retirement					1							
Add:												
June Additions/Retirements	(134,088)				353,063							
Monthly Depreciation Rate = .0312 /12	0.0026				0.0026							
Monthly Depreciation Expense	(349)				917.96							
June - December	6.5				6.5							
Deprec Exp.on June Addition/Retirement	(2,266)				5,967							5,967
Add:												
Aug Additions/Retirements					18,807							
Monthly Depreciation Rate = .0312 /12					0.0026							
Monthly Depreciation Expense					48.90							
Aug - December					4.5							220
Deprec Exp.on August Addition/Retirement					220							
Add:												
Sept Additions/Retirements					13,845							
Monthly Depreciation Rate = .0312 /12					0.0026							
Monthly Depreciation Expense					36.00							
Sept - December					3.5							126
Deprec Exp.on Sept Addition/Retirement					126							
Add:												
Oct Additions/Retirements					(448)							
Monthly Depreciation Rate = .0312 /12					0.0026							
Monthly Depreciation Expense					(1.16)							
Oct - December					2.5							(3)
Deprec Exp.on Oct Addition/Retirement					(3)							
Add:												
Nov. Additions/Retirements					448							
Monthly Depreciation Rate = .0312 /12					0.0026							
Monthly Depreciation Expense					1.16							
Nov. - December					1.5							2
Deprec Exp.on Nov Addition/Retirement					2							
Add:												
Dec Additions/Retirements					977							
Monthly Depreciation Rate = .0312 /12					0.0026							
Monthly Depreciation Expense					2.54							
December					0.5							1
Deprec Exp.on Dec Addition/Retirement					1							
Plant In Service at 12/31/06	21,458,115	2,009,542	31,762	604,451	398,628							3,044,384
Accumulated provision for Depreciation at 12/31/06	7,939,596	776,082	2,932	22,876	6,580							808,470
Net Plant NBV @ 12/31/06	13,518,519	1,233,460	28,831	581,575	392,048							2,235,914

Depreciation expense 2006 89,127

YEAR 2007	Pre - 97 (PTF)	Post - 96 (PTF)					Total Post - 96
	Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions		

	Pre - 97	Post - 96											Total Post - 96
		Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	2013 Additions	
Plant in Service at 12/31/03	21,996,233	2,009,542	-	-	-	-	-	-	-	-	-	-	2,009,542
Plant In Service at 12/31/06	21,458,115	2,009,542	31,762	604,451	398,628								3,044,384
Accumulated provision for Depreciation at 12/31/06	7,939,596	776,082	2,932	22,876	6,580								808,470
Net Plant NBV @ 12/31/06	13,518,519	1,233,460	28,831	581,575	392,048								2,235,914

2007													
Additions													
March													3,018
April													(964)
May													243,906
June													53,452
July													5,886
September													131,867
November													29,547
December													2,878
Retirements and Removal													
Jan - Apr													
May Retirement	134,088												
May - Removal	-												
June - Dec													
Monthly Depreciation Expense													
Depreciable Balance @ 12/31/06	21,458,115	2,009,542	31,762	604,451	398,628								3,044,384
Monthly Depreciation Rate = .0312 /12	0.0026	0.0026	0.0026	0.0026	0.0026								
Monthly Depreciation Expense	55,791	5,226	83	1,572	1,036								7,915
Jan - December	12	12	12	12	12								
Depreciation Expense on 2006 Balance	669,493	62,698	991	18,859	12,437								94,985
Add:													
March Additions/Retirements													3,018
Monthly Depreciation Rate = .0312 /12													0.0026
Monthly Depreciation Expense													9
Mar - December													9.5
Deprec Exp.on Mar Addition/Retirement													75
Add:													
April Additions/Retirements													(964)
Monthly Depreciation Rate = .0312 /12													0.0026
Monthly Depreciation Expense													(2.51)
April - December													8.5
Deprec Exp.on April Addition/Retirement													(21)
Add:													
May Additions/Retirements	(134,088)												243,906
Monthly Depreciation Rate = .0312 /12	0.0026												0.0026
Monthly Depreciation Expense	(349)												634.16
May - December	7.5												7.5
Deprec Exp.on May Addition/Retirement	(2,615)												4,756
Add:													
Jun Additions/Retirements													53,452
Monthly Depreciation Rate = .0312 /12													0.0026
Monthly Depreciation Expense													138.98
Jun - December													6.5
Deprec Exp.on June Addition/Retirement													903
Add:													
July Additions/Retirements													5,886
Monthly Depreciation Rate = .0312 /12													0.0026
Monthly Depreciation Expense													15.30
July - December													5.5
Deprec Exp.on July Addition/Retirement													84
Add:													
Sept Additions/Retirements													131,867
Monthly Depreciation Rate = .0312 /12													0.0026
Monthly Depreciation Expense													342.85
Sept - December													3.5
Deprec Exp.on Sept Addition/Retirement													1,200
Add:													
Nov. Additions/Retirements													29,547
Monthly Depreciation Rate = .0312 /12													0.0026
Monthly Depreciation Expense													76.82
Nov. - December													1.5
Deprec Exp.on Nov Addition/Retirement													115
Add:													
Dec. Additions/Retirements													2,878
Monthly Depreciation Rate = .0312 /12													0.0026
Monthly Depreciation Expense													7.48
December													0.5
Deprec Exp.on Dec Addition/Retirement													4
Plant In Service at 12/31/07	21,324,028	2,009,542	31,762	604,451	398,628	469,590							3,513,974
Accumulated provision for Depreciation at 12/31/07	8,472,387	838,780	3,923	41,735	19,017	7,116							910,570
Net Plant NBV @ 12/31/07	12,851,641	1,170,762	27,840	562,716	379,611	462,474							2,603,403

Depreciation expense 2007 102,101

YEAR 2008

Pre - 97 (PTF)	Post - 96 (PTF)											Total Post - 96	
	Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions							

Plant in Service at 12/31/07	21,324,028	2,009,542	31,762	604,451	398,628	469,590							3,513,974
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	Pre - 97	Post - 96											Total Post - 96
		Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	2013 Additions	
Plant in Service at 12/31/03	21,996,233	2,009,542	-	-	-	-	-	-	-	-	-	-	2,009,542
Accumulated provision for Depreciation at 12/31/07	8,472,387	838,780	3,923	41,735	19,017	7,116	-	-	-	-	-	-	910,570
Net Plant NBV @ 12/31/07	12,851,641	1,170,762	27,840	562,716	379,611	462,474	-	-	-	-	-	-	2,603,403

2008													
Additions													
January													425
February													1,168
March													840
April													2,419
May													187
June													16,922
October													91,340
December													
Retirements and Removal													
Jan - Mar													
April - June													
July - Sept													
Oct - Dec													
Monthly Depreciation Expense													
Depreciable Balance @ 12/31/07	21,324,028	2,009,542	31,762	604,451	398,628	469,590							3,513,974
Monthly Depreciation Rate = .0312 /12	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026							
Monthly Depreciation Expense	55,442	5,225	83	1,572	1,036	1,221							9,136
Jan - December	12	12	12	12	12	12							
Depreciation Expense on 2007 Balance Add:	665,310	62,696	991	18,859	12,437	14,651							109,636
Deprec Exp.on 2008 Addition/Retirement													
January Additions/Retirements								425					
Monthly Depreciation Rate = .0312 /12								0.0026					
Monthly Depreciation Expense								1,111					
Jan - December								11,5					
Deprec Exp.on Feb Addition/Retirement Add:								13					13
Feb Additions/Retirements								1,168					
Monthly Depreciation Rate = .0312 /12								0.0026					
Monthly Depreciation Expense								3,04					
Feb - December								10,5					
Deprec Exp.on March Addition/Retirement Add:								32					32
March Additions/Retirements								840					
Monthly Depreciation Rate = .0312 /12								0.0026					
Monthly Depreciation Expense								2,18					
March - December								9,5					
Deprec Exp.on April Addition/Retirement Add:								21					21
April Additions/Retirements								2,419					
Monthly Depreciation Rate = .0312 /12								0.0026					
Monthly Depreciation Expense								6,29					
April - December								8,5					
Deprec Exp.on May Addition/Retirement Add:								53					53
May Additions/Retirements								187					
Monthly Depreciation Rate = .0312 /12								0.0026					
Monthly Depreciation Expense								0,49					
May - December								7,5					
Deprec Exp.on June Addition/Retirement Add:								4					4
June Additions/Retirements								16,922					
Monthly Depreciation Rate = .0312 /12								0.0026					
Monthly Depreciation Expense								44,00					
June - December								6,5					
Deprec Exp.on Oct. Addition/Retirement Add:								286					286
Oct. Additions/Retirements								91,340					
Monthly Depreciation Rate = .0312 /12								0.0026					
Monthly Depreciation Expense								237,48					
Oct - December								2,5					
Deprec Exp.on Nov Addition/Retirement Add:								594					594
Dec Additions/Retirements													
Monthly Depreciation Rate = .0312 /12													
Monthly Depreciation Expense													
December													
Deprec Exp.on Dec Addition/Retirement													
Plant in Service at 12/31/08	21,324,028	2,009,542	31,762	604,451	398,628	469,590	113,302						3,627,276
Accumulated provision for Depreciation at 12/31/08	9,137,697	901,478	4,914	60,594	31,454	21,767	1,002						1,021,208
Net Plant NBV @ 12/31/08	12,186,331	1,108,064	26,849	543,857	367,174	447,823	112,300						2,606,067
Depreciation expense 2008	665,310												110,638

	Pre - 97 (PTF)	Post - 96 (PTF)							Total Post - 96
		Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	
Plant in Service at 12/31/08	21,324,028	2,009,542	31,762	604,451	398,628	469,590	113,302	-	3,627,276
Accumulated provision for Depreciation									

Pre - 97

Post - 96

Plant in Service at 12/31/03
at 12/31/08
Net Plant NBV @ 12/31/08

	Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	2013 Additions	Total Post - 96
	21,996,233	2,009,542	-	-	-	-	-	-	-	-	-	2,009,542
	9,137,697	901,478	4,914	60,594	31,454	21,767	1,002	-	-	-	-	1,021,208
	12,186,331	1,108,064	26,849	543,857	367,174	447,823	112,300	-	-	-	-	2,606,067

2009												
Additions												
January							488,111					
February							(127)					
March							351,925					
April							65,614					
May							277,561					
June							55,184					
July							99,363					
August							6,169					
September							39,364					
October							(56,073)					
November							1,117					
December							11,978					
Retirements												
Jan - Mar	(78,946)											
Oct - Dec	(1,941,328)											
Removal												
Jan - Mar	(3,000)											
Oct - Dec	(1,036,877)											
Adjustment	(2,998)											
Monthly Depreciation Expense												
Depreciable Balance @ 12/31/09	21,324,028	2,009,542	31,762	604,451	398,628	469,590	113,302					3,627,276
Monthly Depreciation Rate = .0312 /12	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026					
Monthly Depreciation Expense	55,442	5,225	83	1,572	1,036	1,221	295					9,431
Jan - December	12	12	12	12	12	12	12					
Depreciation Expense on 2008 Balance Add:	665,310	62,698	991	18,859	12,437	14,651	3,535					113,171
Deprec Exp.on Jan Addition/Retirement												
January Additions/Retirements	(59,467)						488,111					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	(155)						1,269.09					
Jan - December	11.5						11.5					
Deprec Exp.on Feb Addition/Retirement Add:	(1,778)						14595					14,595
Feb Additions/Retirements	-						(127)					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	-						(0.33)					
Feb - December	10.5						10.5					
Deprec Exp.on March Addition/Retirement Add:							(3)					(3)
March Additions/Retirements	(21,827)						351,925					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	(57)						915.01					
March - December	9.5						9.5					
Deprec Exp.on April Addition/Retirement Add:	(539)						8,693					8,693
April Additions/Retirements	2,349						65,614					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	6						170.60					
April - December	8.5						8.5					
Deprec Exp.on May Addition/Retirement Add:	52						1,450					1,450
May Additions/Retirements	-						277,561					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	-						721.66					
May - December	7.5						7.5					
Deprec Exp.on June Addition/Retirement Add:	-						5,412					5,412
June Additions/Retirements	-						55,184					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	-						143.48					
June - December	6.5						6.5					
Deprec Exp.on Oct. Addition/Retirement Add:	-						933					933
July Additions/Retirements	-						99,363					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	-						258.34					
July - December	5.5						5.5					
Deprec Exp.on Oct. Addition/Retirement Add:	-						1,421					1,421
August Additions/Retirements	-						6,169					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	-						16.04					
August - December	4.5						4.5					
Deprec Exp.on Oct. Addition/Retirement Add:	-						72					72
Sept Additions/Retirements	-						39,364					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	-						102.35					
Sept - December	3.5						3.5					
Deprec Exp.on Oct. Addition/Retirement Add:	-						358					358
Oct Additions/Retirements	(1,941,328)						(56,073)					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	(5,047)						(145.79)					

	Pre - 97	Post - 96											Total Post - 96
	Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	2013 Additions		
Plant In Service at 12/31/03	21,996,233	2,009,542	-	-	-	-	-	-	-	-	-	-	2,009,542
Oct - December	2.5	-	-	-	-	-	2.5	-	-	-	-	-	-
Deprec Exp.on Oct. Addition/Retirement	(12,619)	-	-	-	-	-	(364)	-	-	-	-	-	(364)
Add:	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov Additions/Retirements	-	-	-	-	-	-	1,117	-	-	-	-	-	-
Monthly Depreciation Rate = .0312 /12	0.0026	-	-	-	-	-	0.0026	-	-	-	-	-	-
Monthly Depreciation Expense	-	-	-	-	-	-	2.90	-	-	-	-	-	-
Nov - December	1.5	-	-	-	-	-	1.5	-	-	-	-	-	-
Deprec Exp.on Oct. Addition/Retirement	-	-	-	-	-	-	4	-	-	-	-	-	4
Add:	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec Additions/Retirements	-	-	-	-	-	-	11,978	-	-	-	-	-	-
Monthly Depreciation Rate = .0312 /12	0.0026	-	-	-	-	-	0.0026	-	-	-	-	-	-
Monthly Depreciation Expense	-	-	-	-	-	-	31.14	-	-	-	-	-	-
December	0.5	-	-	-	-	-	0.5	-	-	-	-	-	-
Deprec Exp.on Dec Addition/Retirement	-	-	-	-	-	-	16	-	-	-	-	-	16
Plant In Service at 12/31/09	19,303,754	2,009,542	31,762	604,451	398,628	469,590	113,302	1,340,187	-	-	-	-	4,967,462
Accumulated provision for Depreciation at 12/31/09	6,724,974	964,175	5,905	79,453	43,891	36,418	4,537	32,585	-	-	-	-	1,166,965
Net Plant NBV @ 12/31/09	12,578,780	1,045,367	25,858	524,999	354,737	433,172	108,765	1,307,601	-	-	-	-	3,800,497
Depreciation expense 2009	650,426	62,698	991	18,859	12,437	14,651	3,535	32,585	-	-	-	-	145,756

YEAR 2010

	Pre - 97 (PTF)	Post - 96 (PTF)										Total Post - 96	
	Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions					
Plant In Service at 12/31/09	19,303,754	2,009,542	31,762	604,451	398,628	469,590	113,302	1,340,187	-	-	-	-	4,967,462
Accumulated provision for Depreciation	-	-	-	-	-	-	-	-	-	-	-	-	-

New Hampshire Transmission, LLC

January-December 2013

Additions		PTF Only	Non PTF					Project
Accounting month	asset description	Additions_PTF	NPTE	GSU-C	EUT	GSU	SS	S2
January 2013	Asset 97 INSTRUMENT (Westinghouse SCADA REDDAC Equipment)	(4,092.00)						
January 2013	Asset 102 SWITCH, DISCONNECTING 251-400 KV 1 POLE	13,894.00						
January 2013	Asset 103 SWITCH, DISCONNECTING 251-400 KV 1 POLE	2,522.00						
January 2013	Asset 104 BUS, 251-400 KV	11,386.00						
January 2013	Asset 105 BUS, 251-400 KV	7,711.00						
January 2013	Asset 106 BUS, 251-400 KV	12,325.00						
January 2013	Asset 107 BUS, 251-400 KV		125,967.00					
January 2013	Asset 108 BUS, 251-400 KV	5,860.00						
January 2013	Asset 109 FOUNDATION	19,169.00						
January 2013	Asset 110 FOUNDATION	661.00						
January 2013	Asset 111 CABINET,RELAYING/CARRIER/METERING	3,112.00						
January 2013	Asset 112 CABINET,RELAYING/CARRIER/METERING	18,971.00						
January 2013	Asset 155 CONDUIT *	4,348.00						
January 2013	Asset 114 Miscellaneous Buildings	21,749.00						
January 2013	Asset 156 Miscellaneous Buildings	525.00						
January 2013	Asset 116 Miscellaneous Test Equipment	221.00						
January 2013	Asset 117 CIRCUIT BREAKER,AIR 345.0 KV 4000AMP	4,206.00						
January 2013	Asset 118 CIRCUIT BREAKER,AIR 345.0 KV 4000AMP	24,697.00						
January 2013	Asset 119 CAPACITOR,COUPLING	3,539.00						
January 2013	Asset 120 CAPACITOR,COUPLING	1,190.00						
January 2013	Asset 146 TTR-6 4000 Amp open air 3 phase disconnect switch	(46,216.00)						
January 2013	Asset 161 Control Battery Bank 125V tag 1-SY-B-4							
January 2013	Asset 165 Switchyard Platform Bird Netting	1,309.00	872.00					
January 2013	Asset 166 363 Line TTR6 Air Break	(852.00)						
January 2013	Asset 167 Term Yard Weather Monitoring system RCM-Sbk N-0989-TYRCM	4,040.00						
January 2013	Asset 175 Sync Check Relay	(1,481.00)						
January 2013	Asset 176 Single Phase Bus Differential Relay	(2,533.00)						
January 2013	Asset 183 Breaker 22, Bushing Electrical, Entrance	15,536.00						
January 2013	Asset 184 Breaker 22, Disconnect Switch Assembly	(14,138.00)						
January 2013	Asset 187 ROHE Partial Discharge Monitoring System	19,205.00						
January 2013	Asset 188 ROHE-Cable, Fiber Optic-Partial Discharge Monitor	36,279.00						
January 2013	Asset 189 Fibernet	8,262.00						
January 2013	Asset 190 Fibernet	(3,735.00)						
January 2013	Asset 191 Fibernet	(1,845.00)						
January 2013	Asset 192 Fibernet	(1,968.00)						
January 2013	Asset 201 Raceway & Wiring - Bus 2	272,616.00						
January 2013	Asset 202 Relay Cabinet - Bus 2	76,322.00						
January 2013	Asset 205 Raceway & Wiring - Bus 1	272,616.00						
January 2013	Asset 206 Relay Cabinet - Bus 1	76,322.00						
January 2013	102	2,292,963						(2,292,963.36)
January 2013	103	416,192						(416,192.00)
January 2013	104	1,879,069						(1,879,069.47)
January 2013	105	1,272,609						(1,272,609.02)
January 2013	106	2,034,104						(2,034,104.46)
January 2013	107		2,791,040.00					(2,791,040.00)
January 2013	108	967,099						(967,098.88)
January 2013	109	3,163,554						(3,163,553.75)
January 2013	110	109,098						(109,098.22)
January 2013	111	513,650						(513,650.30)
January 2013	112	3,130,925						(3,130,925.33)
January 2013	113	0						-
January 2013	155	717,612						(717,611.54)
January 2013	114	3,589,426						(3,589,425.77)
January 2013	115	0						-
January 2013	115	(0)						0.00
January 2013	156	86,637						(86,637.21)
January 2013	116	36,496						(36,495.53)
January 2013	117	694,209						(694,209.27)
January 2013	118	4,075,866						(4,075,865.78)
January 2013	119	584,008						(584,008.06)
January 2013	120	196,421						(196,420.58)
January 2013 Total		26,621,680.51	2,917,879.00	-	-	-	-	(28,550,978.51)
February 2013 Total		1,429.00	-	-	-	-	-	-
June 2013 Total		640,673.00	-	-	-	-	-	-
July 2013 Total		2,293.00	-	-	-	-	-	-
August 2013 Total		3,591.00	-	-	-	-	-	-
September 2013 Total		21,504.00	-	-	-	-	-	-
October 2013 Total		1,218,519.00	-	-	-	-	-	-
November 2013 Total		380,514.00	-	-	-	-	-	-
December 2013	100003400 Accrual for transfer of FERC and Compliance syst	10,484.23						
December 2013	100003401 Accrual for transfer of FERC and Compliance syst	13,260.85						
December 2013	100003383-To recognize est. relay test equip NHT	52,937.33						
December 2013	100003418-Asset in srvc WBS ""074""056,55,58,59"	54,996.03						
December 2013	100003424-Assets in srvc prior 12/31/13	70,573.94						
December 2013	100003425-Asset in srvc WBS ""055,57,59,60"& Rev. line 3 & 4 doc 1-3418	(83,395.86)						
December 2013	Asset 208 Coupling Capacitor Voltage Transformer Line 363	458,625.00						
December 2013	Asset 211 SF 6 Bridge Netting	74,317.00						
December 2013	Asset 212 Wave Trap Replacement Line - 363	636,346.00						
December 2013 Total		1,288,144.52	-	-	-	-	-	-
Grand Total		30,178,348.03	2,917,879.00	-	-	-	-	(28,550,978.51)

New Hampshire Transmission, LLC (formerly Florida Power & Light Company - New England Division)
 Statement AE
 Summary
 Page 1 of 1

**Accumulated Depreciation and Amortization
 Summary**

Line No.

ASSUMES: Tools and Test Equip additions of \$99,950 (at 100% value) in January 2004 split as per ABB
 ASSUMES: NO retirements, salvage or removal for 2004
 ASSUMES: Retirements and Removal in 2005 & 2006 = 100% PTF per ABB study
 ASSUMES: Additions in 2005 & 2006 replaced items retired in 2005 & 2006 and are 100% PTF
 ASSUMES: Annual depreciation rate of 3.12% applied to all properties.

Account 353 Balances, Including Test Equipment															
6	As of December 31, 2002	100%	88.22889%												
8	Plant in Service	\$ 53,069,453	46,822,590												
10	Accumulated Depreciation	13,891,620	12,256,422												
11	Net Plant	\$ 39,177,833	\$ 34,566,168												
				AT 88.22889%											
13	As of December 31, 2003 (REVISED)	100%	88.22889%	(a)	(b)	(c) (a + b) PTF	(d)	(e)	(f) (c+d+e) Total	(g)	(h)	(i)			
16	Plant in Service Excluding Land	\$ 53,135,792	46,881,120	PTF	NPTF	NPTF	GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Total		
18	Accumulated Depreciation	15,547,473	13,717,363	7,024,063	326,187	7,350,249	793,409	106,199	8,249,858	4,965,595		501,910	13,717,363		
19	Net Plant	\$ 37,588,319	\$ 33,163,757	\$ 16,981,712	\$ 788,604	\$ 17,770,317	\$ 1,918,184	\$ 256,753	\$ 19,945,253	\$ 12,005,061		\$ 1,213,443	\$ 33,163,757		
				88.22889%											
22	As of May 31, 2004 estimated/actual	100%	88.22889%												
24	Plant in Service Excluding Land	\$ 53,235,742	46,969,305	PTF	NPTF	NPTF	GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Total	LNS + SS + GSU-Diff + Pri 52	
26	Accumulated Depreciation	16,239,408	14,327,849	7,336,509	340,691	7,677,201	828,672	110,924	8,616,797	5,185,016	1,407	524,631	14,327,852	9,142,835	
27	Net Plant	\$ 36,996,335	\$ 32,641,456	\$ 16,701,029	\$ 775,159	\$ 17,476,187	\$ 1,883,980	\$ 252,557	\$ 19,612,724	\$ 11,781,966	\$ 20,020	\$ 1,226,745	\$ 32,641,455	20,859,489	
28				100%	18,929,206	878,577	19,807,783	2,135,332	286,252	22,229,368	13,353,864	22,691	1,390,411	36,996,334	23,642,470
				88.22889%											
30	As of December 31, 2004														
32	Plant in Service	\$ 53,235,742	\$ 46,969,305	\$ 24,037,538	\$ 1,115,850	\$ 25,153,388	\$ 2,712,652	\$ 363,481	\$ 28,229,521	\$ 16,966,982	\$ 21,427	\$ 1,751,376	\$ 46,969,305	\$ 30,002,324	
33	Accumulated Depreciation @ 5/31/04	16,239,408	14,327,849	7,336,509	340,691	7,677,201	828,672	110,924	8,616,797	5,185,016	1,407	524,631	14,327,849	9,142,835	
34	Accumulated Depreciation June - December 2004	968,891	854,840	437,483	20,308	457,792	49,370	6,615	513,777	308,799	390	31,875	854,841	546,042	
35	Net Plant	\$ 36,027,444	\$ 31,786,615	\$ 16,263,545	\$ 754,850	\$ 17,018,396	\$ 1,834,610	\$ 245,942	\$ 19,098,947	\$ 11,473,167	\$ 19,630	\$ 1,194,870	\$ 31,786,614	20,313,446	
				88.22889%											
54	As of December 31, 2005	100%	88.22889%												
56	Plant in Service	MEMO ONLY \$ 53,466,303	\$ 47,172,726	\$ 24,240,959	\$ 1,115,850	\$ 25,356,809	\$ 2,712,652	\$ 363,481	\$ 28,432,942	\$ 16,966,982	\$ 21,427	\$ 1,751,376	\$ 47,172,728	\$ 30,205,745	
58	Accumulated Depreciation	18,416,524	16,248,695	8,124,527	395,814	8,520,341	962,677	128,880	9,611,898	6,023,185	2,466	611,149	16,248,698	10,225,513	
60	Net Plant	\$ 35,049,779	\$ 30,924,031	\$ 16,116,433	\$ 720,036	\$ 16,836,468	\$ 1,749,975	\$ 234,601	\$ 18,821,044	\$ 10,943,797	\$ 18,961	\$ 1,140,227	\$ 30,924,029	19,980,232	
				88.22889%											
84	As of December 31, 2006	100%	88.22889%												
86	Plant in Service	MEMO ONLY \$ 53,762,737	\$ 47,434,266	\$ 24,502,499	\$ 1,115,850	\$ 25,618,349	\$ 2,712,652	\$ 363,481	\$ 28,694,482	\$ 16,966,982	\$ 21,427	\$ 1,751,376	\$ 47,434,268	\$ 30,467,285	
88	Accumulated Depreciation	19,934,185	17,587,710	8,748,068	430,629	9,178,697	1,047,312	140,220	10,366,229	6,552,555	3,134	665,792	17,587,711	11,035,156	
90	Net Plant	\$ 33,828,552	\$ 29,846,556	\$ 15,754,431	\$ 685,221	\$ 16,439,652	\$ 1,665,340	\$ 223,261	\$ 18,328,253	\$ 10,414,427	\$ 18,293	\$ 1,085,584	\$ 29,846,557	19,432,129	

Plant Data Support 3

Table with multiple sections for years 2007, 2008, 2009, and 2010. Each section includes 'As of December 31', 'Depreciation Expense for', and monthly breakdowns. Columns include PTF, NPTF, GSU-C, FUT, LNS, GSU, SS, Project 52, Total, and LNS + SS + GSU-Diff + Pri 52. Values are in millions of dollars.

Plant Data Support 3

285	January-12	\$	176,958	156,128	67,488	2,239	69,727	4,282	797	74,806	357	4,793	76,172	156,128	156,128		
286	February-12	\$	177,058	156,216	67,533	2,238	69,771	4,281	796	74,848	414	4,781	76,172	156,216	156,216		
287	March-12	\$	177,187	156,330	67,602	2,238	69,840	4,282	794	74,916	472	4,770	76,172	156,330	156,330		
288	April-12	\$	178,087	157,125	68,210	2,260	70,470	4,297	809	75,576	494	4,882	76,172	157,125	157,125		
289	May-12	\$	177,459	156,570	67,700	2,300	70,000	4,315	799	75,113	479	4,806	76,172	156,570	156,570		
290	June-12	\$	179,393	158,277	69,314	2,360	71,874	4,345	799	76,818	479	4,807	76,172	158,277	158,277		
291	July-12	\$	179,603	158,462	69,503	2,358	71,861	4,345	799	77,005	479	4,806	76,172	158,462	158,462		
292	August-12	\$	181,489	160,126	71,166	2,358	73,525	4,345	799	78,668	479	4,806	76,172	160,126	160,126		
293	September-12	\$	187,062	165,042	76,083	2,358	78,441	4,345	799	83,585	479	4,806	76,172	165,042	165,042		
294	October-12	\$	185,371	163,551	74,620	2,352	76,972	4,339	794	82,105	479	4,795	76,172	163,551	163,551		
295	November-12	\$	186,279	164,352	75,421	2,352	77,773	4,339	794	82,906	479	4,795	76,172	164,352	164,352		
296	December-12	\$	189,665	167,339	78,407	2,352	80,760	4,339	794	85,892	479	4,795	76,172	167,339	167,339		
297	Total Jan-Dec 2012		2,175,612	1,919,518	0	853,047	27,765	880,812	51,851	9,575	942,238	0	5,570	57,642	914,068	1,919,518	1,919,518

298				88.22889%				PTF		Total	Memo Only					LNS + SS +
299	As of December 31, 2012	100%			PTF	NPTF	NPTF	GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Project 52	Total	GSU-Diff + Pri 52
300		MEMO ONLY														
301	Plant in Service (per ABB Study - adjusted)	\$ 58,201,336	\$ 51,350,393		\$ 32,270,378	\$ 904,719	\$ 33,175,097	\$ 2,118,364	\$ 305,501	\$ 35,598,962	\$ 16,966,982	\$ 175,258	\$ 1,853,237	\$ 28,550,979	\$ 54,594,439	\$ 66,178,435
302	Accumulated Depreciation	\$ 2,339,512	\$ 2,064,125		\$ 8,564,229	\$ 138,609	\$ 8,702,838	\$ 803,977	\$ 105,331	\$ 9,612,145	\$ 8,361,236	\$ 12,364	\$ 863,641	\$ 3,689,051	\$ 18,849,386	\$ 14,177,202
303	Net Plant	\$ 55,861,824	\$ 49,286,267		\$ 23,706,149	\$ 766,110	\$ 24,472,260	\$ 1,314,387	\$ 200,170	\$ 25,986,817	\$ 8,605,747	\$ 162,894	\$ 989,595	\$ 24,861,927	\$ 35,745,053	\$ 52,001,233
304	Jan- Dec 2012 Changes															
305	Additions	7,604,047	6,708,967		6,542,485	51,311	6,593,795	27,464	4,168	6,625,427	-	52,188	31,352	-	6,708,967	6,708,967
306	CIAC	-	-		-	-	-	-	-	-	-	-	-	-	-	-
307	Removal	25,540	22,534		-	-	-	-	-	-	-	-	-	22,534	-	22,534
308	Scrap sale	-	-		-	-	-	-	-	-	-	-	-	-	-	-
309	Adst to classif.(retirement 2010)***	-	-		38,617	(38,617)	-	-	-	-	-	-	-	-	-	-
310	Retirements	(189,440)	(167,141)		(141,925)	(4,063)	(145,988)	(3,483)	(3,019)	(152,490)	-	(1,746)	(12,904)	-	(167,141)	(167,141)
311	Depreciation	2,175,612	1,919,518		853,047	27,765	880,812	51,851	9,575	942,238	0	5,570	57,642	914,068	1,005,451	1,919,518

*** This line is only to fix this file. In Dec. 10 there was \$38,617 included in PTF. FERC was reported correctly

312	Depreciation Expense for 2013	MEMO ONLY			PTF	NPTF	NPTF	GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Project 52	Total	GSU-Diff + Pri 52
313	January-13	\$ 193,414	170,647		82,487	2,352	84,838	5,508	794	91,140		479	4,795	74,233	170,647	170,647
314	February-13	\$ 193,423	170,655		82,495	2,352	84,846	5,508	794	91,148		479	4,795	74,233	170,655	170,655
315	March-13	\$ 193,423	170,655		82,494	2,352	84,846	5,508	794	91,148		479	4,795	74,233	170,655	170,655
316	April-13	\$ 193,423	170,655		82,494	2,352	84,846	5,508	794	91,148		479	4,795	74,233	170,655	170,655
317	May-13	\$ 193,457	170,685		82,523	2,353	84,876	5,508	794	91,178		479	4,795	74,233	170,685	170,685
318	June-13	\$ 193,491	170,715		82,552	2,354	84,906	5,508	794	91,208		479	4,795	74,233	170,715	170,715
319	July-13	\$ 196,322	173,213		85,050	2,354	87,404	5,508	794	93,706		479	4,795	74,233	173,213	173,213
320	August-13	\$ 194,374	171,494		83,331	2,354	85,685	5,508	794	91,987		479	4,795	74,233	171,494	171,494
321	September-13	\$ 194,893	171,952		83,788	2,354	86,143	5,508	794	92,445		479	4,795	74,233	171,952	171,952
322	October-13	\$ 194,907	171,964		83,801	2,354	86,156	5,508	794	92,458		479	4,795	74,233	171,964	171,964
323	November-13	\$ 222,743	196,524		107,994	2,354	110,348	5,508	794	116,650		479	4,795	74,599	196,524	196,524
324	December-13	\$ 204,706	180,610		91,713	2,354	94,067	5,508	794	100,369		479	4,795	74,966	180,610	180,610
325	Reclass project 52 to ptf/non ptf		(0)		804,447	87,444	891,891			891,891				(891,891)	(0)	(0)
326	Total Jan-Dec 2013	2,368,575	2,089,768	0	1,835,168	115,685	1,950,853	66,093	9,532	2,026,477	0	5,749	57,542	(0)	2,089,768	2,089,768

327	As of December 31, 2013	100%			PTF	NPTF	NPTF	GSU-C	FUT	Total	Memo Only					LNS + SS +
328		MEMO ONLY								LNS	GSU	GSU-Diff	SS	Project 52	Total	GSU-Diff + Pri 52
329	Plant in Service (per ABB Study - adjusted)	\$ 38,097,879	\$ 33,613,336		\$ 61,931,604	\$ 3,822,598	\$ 65,754,202	\$ 2,118,364	\$ 305,501	\$ 68,178,067	\$ 16,966,982	\$ 175,258	\$ 1,853,237	\$ 0	\$ 87,173,544	\$ 70,206,561
330	Accumulated Depreciation	\$ 3,623,829	\$ 3,197,264		\$ 12,763,522	\$ 631,317	\$ 13,394,839	\$ 870,069	\$ 114,863	\$ 14,379,771	\$ 8,361,236	\$ 18,113	\$ 921,183	(0)	\$ 23,680,303	\$ 15,319,067
331	Net Plant	\$ 34,474,050	\$ 30,416,072		\$ 49,168,082	\$ 3,191,281	\$ 52,359,363	\$ 1,248,295	\$ 190,638	\$ 53,798,295	\$ 8,605,747	\$ 157,145	\$ 932,053	\$ 0	\$ 63,493,241	\$ 54,887,494
332	Jan- Dec 2013 Changes															
333	Additions	37,511,772	33,096,220		30,178,341	2,917,879	33,096,220			33,096,220				(28,550,979)	33,096,220	4,545,242
334	CIAC	180,886	159,594		159,594	-	159,594			159,594				-	159,594	159,594
335	Removal	(669,147)	(590,381)		(590,381)	-	(590,381)			(590,381)				-	(590,381)	(590,381)
336	Reclass project 52 to ptf/non ptf				3,312,027	377,024	3,689,051			3,689,051				(3,689,051)	3,689,051	(0)
337	Scrap sale	-	-		-	-	-			-				-	-	-
338	Adst to classif.(retirement 2010)***	-	-		-	-	-			-				-	-	-
339	Retirements	(586,107)	(517,115)		(517,115)	-	(517,115)			(517,115)				-	(517,115)	(517,115)
340	Depreciation	2,368,575	2,089,768		1,835,168	115,685	1,950,853	66,093	9,532	2,026,477	0	5,749	57,542	(0)	2,089,768	2,089,768

Derivation of Accumulated Depreciation Reserve and Depreciation Expense

Accumulated Depreciation Reserve		GP-Related %	Adjusted ADR
Total	15,319,067		
Pre-97 PTF	6,724,441		6,724,441
Post-96 PTF	6,021,619	98.7%	5,992,849
Non-PTF	1,633,707	1.3%	1,633,328
General Plant-related			29,149
Amounts Excluded from Rates	<u>939,295</u>		<u>939,295</u>
Total Check	15,319,062		15,319,062
General Plant-related included in above	29,149		

Depreciation Expense		GP-Related %	Adjusted DE
Total	2,089,768		
Pre-97 PTF	548,281		548,281
Post-96 PTF	1,286,882	98.7%	1,268,114
Non-PTF	191,309	1.3%	191,062
General Plant-related			19,016
Amounts Excluded from Rates	<u>63,291</u>		<u>63,291</u>
Total Check (off by \$4.00 - assumed rounding error)	2,089,764		2,089,764
General Plant-related included in above	19,016		

Analysis of deferreds as of 12/31/2013

		12/31/2013	Amounts Applicable in Rates	
FERC 282				Category %
	PTF	(11,739,297.39)	(11,739,297)	92.54%
	NPTF	(653,455.96)	(653,456)	5.15%
	Amounts Excluded	(293,405.44)	(293,405)	2.31%
	Total Deferred account 282	\$ (12,686,159)	(12,686,159)	100.00%
FERC 283				Categorized
REG 101	FAS109 Increment to Reg Asset - BS only	\$ (83,945) NA	-	
PPD101	Prepaid Insurance	(13,870)	(13,870)	(78,976)
PPD201	Prepaid Other	9,864	9,864	(4,396)
Regulatory assets/liabilities	Regulatory assets/liabilities	(3,051,746) NA	-	(1,974)
RES136	Other Accrued Liabilities and other	(81,342)	(81,342)	(85,346)
	Rounding	2	2	
	Total Deferred account 283	\$ (3,221,037)	(85,346)	
FERC 190				
Regulatory assets/liabilities	Regulatory assets/liabilities			
PPD101	Prepaid Insurance			
	Net operating loss	2,263,050 NA	-	
	Total deferred	\$ (13,644,146)	\$ (12,771,505)	
				Net Total Categorized
				PTF (100% Post-96) (11,818,274)
				NPTF (657,852)
				Amounts Excluded (295,379)
				Total in Rates (12,771,505)

	Assets	NHT Form 1	Adj from Form 1	Notes
ELECTRIC UTILITY PLAN:				
Transmission Plant in service		\$ 69,652,773		Includes General Plant
Held for Future Use		553,788	\$ 70,206,561	Not included in Transmission Plant In-Service Balance
Electric Plant In Service Subcategory:				
Pool Transmission Facilities (PTF)		\$ 61,377,818		adjusted to exclude Plant Held for Future Use and General Plant included in this category
Non-Pool Transmission Facilities (NPTF)		6,246,405		
Reserved		-		
Amounts excluded under the LNS Tariff		2,028,550		
Total Transmission Plant In-Service (excl. Plant Held for Future Use)		\$ 69,652,773		adjusted to exclude \$ 553,788 Plant Held for Future Use
Total including Plant Held for Future Use		70,206,561	62,544,750	Ties to Form 1, Pg. 450.1
Transmission Related General Plant		\$ 613,144		98.7% included in Post-96 PTF above; 1.3% is in Non-PTF above.
General Plant Related Accumulated Depreciation Reserve included below.		29,149		From NHT Accounting - Asset Listing File
Accumulated Provision for Depreciation Transmission Plant		\$ 15,319,067		
Accumulated Provision for Depreciation Subfunctional Category:				
Pool Transmission Facilities (PTF)		\$ 12,746,065	\$ 12,717,295	reflects removal of 98.7% of General Plant-Related Accumulated Depreciation Reserve from Post-96 PTF
Non-Pool Transmission Facilities (NPTF)		1,633,707	1,633,328	reflects removal of 1.3% of General Plant-Related Accumulated Depreciation Reserve
Reserved		-		
General Plant Related		-	29,149	See above under Transmission Related General Plant per Accounting Records
Amounts excluded under the LNS Tariff		939,295	939,295	
Total Accumulated Provision		\$ 15,319,067	\$ 15,319,067	
Accumulated Deferred Taxes Assets				
Accumulated Deferred Taxes Assets - Other		2,263,050.00		Account 190
Total Accumulated Deferred Taxes - Assets		2,263,050.00		
Accumulated Deferred Taxes - Liabilities				
Accumulated Deferred Taxes - Liabilities - Other		3,221,037	Account 283	Excludes \$146,118 of non-property related deferred taxes per NHT Accounting
Accumulated Deferred Taxes - Liabilities - Transmission Related		12,686,159	Account 282	
Total Accumulated Deferred Taxes - Liabilities		\$ 15,907,196		
Total Net Accumulated Deferred Taxes		\$ 13,644,146		Ties to Form 1, pg. 450.1
EXPENSES				
Depreciation Expense		\$ 2,089,768		
Pool Transmission Facilities (PTF)		1,835,168	1,816,399	reflects removal of 98.7% of General Plant-Related Depreciation Expense from Post-96 PTF
Non-Pool Transmission Facilities (NPTF)		191,309	191,062	reflects removal of 1.3% of General Plant-Related Depreciation Expense
Reserved		-		
General Plant Related		-	19,016	From Asset Listing File Account 398 (98.7% Post-96 PTF / 1.3% Non-PTF related.
Amounts excluded under the LNS Tariff		63,291	63,291	
		\$ 2,089,768	\$ 2,089,768	Ties to Form 1, pg. 450.2
O & M Expense				
O&M excluding Transmission Support Payments		8,750,592		
Transmission Support Payments		659,237		
A & G Expense				
Property Insurance Expense		\$ 103,859		
Regulatory Commission Expense		48,825		
Other A&G Expenses		2,160,242		
Total Administrative and General Expenses		\$ 2,312,926		
Transmission Wages and Salaries		-		
Administrative and General Wages and Salaries		393,492		
Total Wages and Salaries		\$ 393,492		
Other				
Prepayments		\$ 54,508		
Supporting Information From Form 1				
FERC Account	Prepayments	54,508		
165	Taxes Other than Income Taxes - Payroll Taxes	7,730		From NHT Accounting Records
408.1	Taxes Other than Income Taxes - Property Taxes	1,103,568		Reflects breakout of Payroll Tax amount and credit from Town of Seabrook from total of \$1,052,037
408.1	Regulatory Commission Assessments	-		
408.1	Income Taxes	-		
409.1	Income Taxes	-		
409.2	Provision for Deferred Income Taxes	-		
410.1	Provision for Deferred Income Taxes - Credit	-		
419	Interest Income	-		
430	Interest Expense	691,628		Form 1, pg. 117
431	Interest Expense	118,350		Form 1, pg. 117
432	AFUDC Equity Depreciation	6,934		Form 1, pg. 117
	Tariff Revenue	-		
561.5	Reliability Planning and Standards Development	3,396,822		Form 1, pg. 321
561.8	Reliability Planning and Standards Development Services	3,791,403		Form 1, pg. 321
562	Station Expense - Support Payments	659,237		Form 1, pg. 321
562	Station Expense - Other	1,111		Form 1, pg. 321
562	Station Expense - Other	-		
562	Misc. Transmission Expense	-		
566	Maintenance of Station Equipment	1,561,256		
568-573	Total O&M Less Support Payments	8,750,592		
920	Administrative and General Salaries	393,492		
921	A&G - Office Supplies & Expenses	124,582		
922	A&G / Overhead	-		
923	Outside Services	1,566,348		
924	Property Insurance	103,859		
925	Injuries and Damages	1,899		
926	Pension & Welfare	34,294		
928	Regulatory Commission Expense	48,825		
930.1	General Advertising Expense	2,881		
930.2	Misc. General Expense	24,659		
930.3	Rents	12,087		
	Total A&G	2,312,926		Form 1, pg. 323

For the base rate component, a one-time adjustment to exclude expenses not anticipated to be incurred during 2014 is made so as to reduce the impact to customers that would otherwise occur as a result of the formula rate mechanism. The formula would result in a recovery of twice the amount excluded by way of including it in the base component and then again by way of that expense getting included in the True Up component.

Note: 7,065,819 Non-recurring Reliability Planning Study Costs

ISO-NE Tariff Billing
PTO Annual Transmission Revenue Requirements
per OATT Attachment F

Submitted on: May 31, 2014

Revenue Requirements for (year): Calendar Year 2013

Customer: Northeast Utilities System Companies'

Customer's NABs Number: # 34

Name of Participant responsible for customer's billing: Northeast Utilities Transmission

DUNs number of Participant responsible for customer's billing: # 95 - 910 - 8929

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	= <u>80,160,435</u> (a)	<u>565,778,384</u> (g)
Total of Attachment F - Section J - Support Revenue	<u>3,181,120</u> (b)	<u>-</u> (h)
Total of Attachment F - Section K - Support Expense	<u>2,995,106</u> (c)	<u>-</u> (i)
Total of Attachment F - Section (L through O)	<u>(5,914,569)</u> (d)	<u>8,488,007</u> (j)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>74,059,852</u> (e)=(a)-(b)+(c)+(d)	<u>574,266,391</u> (k)=(g)-(h)+(i)+(j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u> (f)	<u>59,677,000</u> (l)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>(7,910,868)</u> (m)	<u>(31,728,148)</u> (n)
Adjusted Sub Total (Sub Total + True-up)	<u>66,148,984</u> (o) = (e)+(f)+(m)	<u>602,215,243</u> (p) = (k)+(l)+(n)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)		<u>668,364,227</u> (q) = (o) + (p)

Northeast Utilities System Companies'
Annual Revenue Requirements of PTF Facilities -2013
for Rates billed June 1, 2014 - May 31, 2015
Pre-1997

Line No.	Attachment F Reference	Section:			Total	Reference
		CL&P	PSNH	WMECO		
I. INVESTMENT BASE						
1	(A)(1)(a)	359,345,031	88,526,386	53,623,187	501,494,604	W/S 3A,3B,3C line 1
2	(A)(1)(b)	12,494,067	8,265,644	1,193,422	21,953,133	W/S 3A,3B,3C line 2
3	(A)(1)(c)	950,590	2,619,012	99,987	3,669,589	W/S 3A,3B,3C line 4
4		<u>372,789,688</u>	<u>99,411,042</u>	<u>54,916,596</u>	<u>527,117,326</u>	
5	(A)(1)(d)	71,340,506	18,103,370	3,012,239	92,456,115	W/S 3A,3B,3C line 7
6	(A)(1)(e)	44,852,336	15,791,690	12,125,690	72,769,716	W/S 3A,3B,3C line 10
7	(A)(1)(f)	741,588	321,227	25,382	1,088,197	W/S 3A,3B,3C line 11
8	(A)(1)(g)	2,155,691	1,188,585	194,458	3,538,734	W/S 3A,3B,3C line 15
9		<u>259,494,125</u>	<u>67,025,794</u>	<u>39,998,507</u>	<u>366,518,426</u>	
10	(A)(1)(h)	2,790,257	642,885	17,438	3,450,580	W/S 3A,3B,3C line 16
11	(A)(1)(i)	4,044,689	1,647,787	199,372	5,891,848	W/S 3A,3B,3C line 17
12	(A)(1)(j)	1,089,608	420,657	153,153	1,663,418	W/S 3A,3B,3C line 23
13		<u>267,418,679</u>	<u>69,737,123</u>	<u>40,368,470</u>	<u>377,524,272</u>	
II. REVENUE REQUIREMENTS						
14	(A)	34,515,194	8,508,068	4,748,139	47,771,401	W/S 2A,2B,2C
15	(B)	8,640,249	1,969,605	902,793	11,512,647	W/S 4A,4B,4C line 3
16	(C)	70,922	32,682	3,557	107,161	W/S 4A,4B,4C line 4
17	(D)	(58,739)	(985)	(2,548)	(62,272)	W/S 4A,4B,4C line 5
18	(E)	5,261,181	2,221,847	851,767	8,334,795	W/S 4A,4B,4C line 8
19	(F)	58,573	14,477	4,136	77,186	W/S 4A,4B,4C line 19
20	(G)	4,155,268	1,335,047	404,336	5,894,651	W/S 4A,4B,4C line 17
21	(H)	4,561,596	1,459,042	504,228	6,524,866	W/S 4A,4B,4C line 18
22	(I)	-	-	-	-	
23	(J)	(2,806,966)	(374,154)	-	(3,181,120)	W/S 7
24	(K)	1,733,127	945,319	316,660	2,995,106	W/S 7
25	(L)	-	-	-	-	
26	(M)	1,520,931	17,677	(30)	1,538,578	Attachment B line 14
27	(N)	(107,274)	(25,831)	(13,924)	(147,029)	Attachment C line 9
28	(O)	<u>(5,085,344)</u>	<u>(1,800,008)</u>	<u>(420,766)</u>	<u>(7,306,118)</u>	
29		<u>52,458,718</u>	<u>14,302,786</u>	<u>7,298,348</u>	<u>74,059,852</u>	

Northeast Utilities System Companies'
Annual Revenue Requirements of PTF Facilities -2013
for Rates billed June 1, 2014 - May 31, 2015
Post-1996

Line No.	I. INVESTMENT BASE	Attachment F	CL&P	PSNH	WMECO	Total	Reference
		Reference					
		Section:					
1	Transmission Plant	(A)(1)(a)	2,214,928,606	480,694,893	696,363,807	3,391,987,306	W/S 3A,3B,3C line 1
2	General Plant	(A)(1)(b)	77,010,558	44,882,197	15,498,027	137,390,782	W/S 3A,3B,3C line 2
3	Plant Held For Future Use	(A)(1)(c)	5,859,216	14,221,155	1,298,453	21,378,824	W/S 3A,3B,3C line 4
4	Total Plant (Lines 1+2+3)		<u>2,297,798,380</u>	<u>539,798,245</u>	<u>713,160,287</u>	<u>3,550,756,912</u>	
5	Accumulated Depreciation	(A)(1)(d)	439,726,490	98,300,748	39,117,583	577,144,821	W/S 3A,3B,3C line 7
6	Accumulated Deferred Income Taxes	(A)(1)(e)	276,459,495	85,748,399	157,466,794	519,674,688	W/S 3A,3B,3C line 10
7	Loss On Reacquired Debt	(A)(1)(f)	4,570,976	1,744,253	329,622	6,644,851	W/S 3A,3B,3C line 11
8	Other Regulatory Assets	(A)(1)(g)	13,287,188	6,453,981	2,525,271	22,266,440	W/S 3A,3B,3C line 15
9	Net Investment (Line 4-5-6+7+8)		<u>1,599,470,559</u>	<u>363,947,332</u>	<u>519,430,803</u>	<u>2,482,848,694</u>	
10	Prepayments	(A)(1)(h)	17,198,503	3,490,848	226,455	20,915,806	W/S 3A,3B,3C line 16
11	Materials & Supplies	(A)(1)(i)	24,930,534	8,947,435	2,589,081	36,467,050	W/S 3A,3B,3C line 17
12	Cash Working Capital	(A)(1)(j)	6,716,094	1,896,478	1,474,849	10,087,421	W/S 3A,3B,3C line 23
13	Total Investment Base Excluding CWIP (Line 9+10+11+12)		<u>1,648,315,690</u>	<u>378,282,093</u>	<u>523,721,188</u>	<u>2,550,318,971</u>	
14	NEEWS Construction Work In Progress	(A)(1)(l)	97,520,882		7,569,568	105,090,450	
15	Total Investment Base Including CWIP (Line 13+14)		<u>1,745,836,572</u>	<u>378,282,093</u>	<u>531,290,756</u>	<u>2,655,409,421</u>	
	II. REVENUE REQUIREMENTS						
16	Investment Return and Income Taxes	(A)	212,690,415	46,151,172	61,599,562	320,441,149	W/S 2A,2B,2C
17	Investment Return and Income Taxes-CWIP		12,583,607	-	890,325	13,473,932	W/S 2A,2B,2C
18	Depreciation Expense	(B)	53,256,505	10,694,896	11,723,856	75,675,257	W/S 4A,4B,4C line 3
19	Amortization of Loss on Reacquired Debt	(C)	437,147	177,462	46,196	660,805	W/S 4A,4B,4C line 4
20	Investment Tax Credit	(D)	(362,056)	(5,350)	(33,085)	(400,491)	W/S 4A,4B,4C line 5
21	Property Tax Expense	(E)	32,428,713	12,064,563	11,061,226	55,554,502	W/S 4A,4B,4C line 8
22	Payroll Tax Expense	(F)	361,030	78,608	53,706	493,344	W/S 4A,4B,4C line 19
23	Operation & Maintenance Expense	(G)	25,612,119	7,249,265	5,250,785	38,112,169	W/S 4A,4B,4C line 17
24	Administrative & General Expense	(H)	28,116,630	7,922,555	6,548,009	42,587,194	W/S 4A,4B,4C line 18
25	Transmission Related Integrated Facilities Charge	(I)	-	-	-	-	
26	Transmission Related Expense from Generators	(L)	-	-	-	-	
27	Transmission Related Taxes and Fees Charge	(M)	9,374,669	95,988	(390)	9,470,267	Attachment B line 16
28	Revenue for ST Trans. Service Under the OATT	(N)	(661,161)	(140,287)	(180,812)	(982,260)	Attachment C line 10
29	Total Revenue Requirements (Line 16 thru 28)		<u>373,837,618</u>	<u>84,288,872</u>	<u>96,959,378</u>	<u>555,085,868</u>	

Northeast Utilities System Companies'
Annual Revenue Requirements of Incremental Return -2013
for Rates billed June 1, 2014 - May 31, 2015
Post-2003

Worksheet 1C

Line	I. INVESTMENT BASE	<u>CL&P</u>	<u>PSNH</u>	<u>WMECO</u>	<u>Total</u>	<u>Reference</u>
1	Transmission Plant	\$ 1,535,678,864	\$ 124,281,072	\$ 12,384,353	\$ 1,672,344,289	Attachment D,D1,D2
2	Accumulated Depreciation	\$ 185,636,843	\$ 16,246,348	\$ 1,634,262	\$ 203,517,453	Attachment D,D1,D2
3	Accumulated Deferred Income Taxes	\$ 138,335,678	\$ 14,596,823	\$ 2,412,496	\$ 155,344,997	
4	Net Investment (Line 1-2-3)	\$ 1,211,706,343	\$ 93,437,901	\$ 8,337,595	\$ 1,313,481,839	
	II. INCREMENTAL RETURN					
5	Incremental Revenue Requirements	<u>\$ 10,447,332</u>	<u>\$ 816,928</u>	<u>\$ 68,593</u>	<u>\$ 11,332,853</u>	W/S 2A,2B,2C Post 2003

Northeast Utilities System Companies'
Annual Revenue Requirements of Incremental Return -2013
for Rates billed June 1, 2014 - May 31, 2015
M-N Advanced Technology

Worksheet 1D

Line	<u>I. INVESTMENT BASE</u>	<u>CL&P</u>	<u>Reference</u>
1	Transmission Plant	\$ 421,403,193	Attachment E
2	Accumulated Depreciation	\$ 35,893,534	Attachment E
3	Accumulated Deferred Income Taxes	<u>\$ 30,611,100</u>	
4	Net Investment (Line 1-2-3)	<u>\$ 354,898,559</u>	
	 <u>II. INCREMENTAL RETURN</u>		
5	Incremental Revenue Requirements	<u><u>\$ 1,379,846</u></u>	w/s 2A M-N Adv Tech

Northeast Utilities System Companies'
Annual Revenue Requirements of Incremental Return -2013
for Rates billed June 1, 2014 - May 31, 2015
NEEWS

Worksheet 1E

Line	I. INVESTMENT BASE	<u>CL&P</u>	<u>WMECO</u>	<u>Total</u>	<u>Reference</u>
1	Transmission Plant	\$ 161,772,298	\$ 542,905,015	\$ 704,677,313	Attachment F
2	Accumulated Depreciation	\$ 4,186,946	\$ 12,488,629	\$ 16,675,575	Attachment F
3	Accumulated Deferred Income Taxes	\$ 39,652,763	\$ 138,929,728	\$ 178,582,491	
4	Net Investment Excluding CWIP(Line 1-2-3)	<u>\$ 117,932,589</u>	<u>\$ 391,486,658</u>	<u>\$ 509,419,247</u>	
5	NEEWS Construction Work In Progress	\$ 97,520,882	\$ 7,569,568	\$ 105,090,450	Attachment F
6	Net Investment Including CWIP(Line 4+5)	<u>\$ 215,453,471</u>	<u>\$ 399,056,226</u>	<u>\$ 614,509,697</u>	
	II. INCREMENTAL RETURN				
7	Incremental Revenue Requirements	\$ 1,276,031	\$ 4,058,151	\$ 5,334,182	w/s 2A NEEWS
8	Incremental Revenue Requirements-CWIP	\$ 1,055,176	\$ 78,466	\$ 1,133,642	w/s 2A NEEWS
9	Total Incremental Revenue Requirements (line 7+8)	<u>\$ 2,331,207</u>	<u>\$ 4,136,617</u>	<u>\$ 6,467,824</u>	

NEEWS

Northeast Utilities System Companies'
Forecasted Transmission Revenue Requirements of PTF Facilities - 2014 Estimated
for Rates billed June 1, 2014 - May 31, 2015
Post-1996

Worksheet 1F

I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS		Attachment F Reference	CL&P	PSNH	WMECO	Total NU	Reference
Line No.							
1	Forecasted Transmission Plant Additions (excl. Localized)	App. C	\$ 184,281,000	\$ 71,287,000	\$ 59,161,000		Attachment G
2	Carrying Charge Factor (line 18)	App. C	15.92%	17.54%	13.82%		
3	Forecasted Transmission Revenue Requirements (Lines 1 * 2)		\$ 29,338,000	\$ 12,504,000	\$ 8,176,000	\$ 50,018,000	
4	Forecasted NEEWS CWIP		\$ 75,235,000		\$ (6,710,000)		
5	NEEWS Cost of Capital Rate (line 21)		13.98%		12.80%		
6	Forecasted Transmission Rev. Req. for CWIP (Lines 4 * 5)		\$ 10,518,000		\$ (859,000)	\$ 9,659,000	
7	Total Forecasted Transmission Revenue Requirements (Lines 3 + 6)		\$ 39,856,000	\$ 12,504,000	\$ 7,317,000	\$ 59,677,000	
II. CARRYING CHARGE FACTOR (Post 96) (*)							
8	Investment Return and Income Taxes	(A)	\$ 212,690,415	46,151,172	61,599,562	320,441,149	W/S 1B line 16
9	Depreciation Expense	(B)	53,256,505	10,694,896	11,723,856	75,675,257	W/S 1B line 17
10	Amortization of Loss on Reacquired Debt	(C)	437,147	177,462	46,196	660,805	W/S 1B line 18
11	Investment Tax Credit	(D)	(362,056)	(5,350)	(33,085)	(400,491)	W/S 1B line 19
12	Property Tax Expense	(E)	32,428,713	12,064,563	11,061,226	55,554,502	W/S 1B line 20
13	Payroll Tax Expense	(F)	361,030	78,608	53,706	493,344	W/S 1B line 21
14	Operation & Maintenance Expense	(G)	25,612,119	7,249,265	5,250,785	38,112,169	W/S 1B line 22
15	Administrative & General Expense	(H)	28,116,630	7,922,555	6,548,009	42,587,194	W/S 1B line 23
16	Total Expenses (Lines 8 thru 15)		\$352,540,503	\$84,333,171	\$96,250,255	\$533,123,929	
17	PTF Transmission Plant		\$2,214,928,606	\$480,694,893	\$696,363,807	\$3,391,987,306	W/S 1B line 1
18	Carrying Charge Factor (Lines 16/17)		15.92%	17.54%	13.82%	15.72%	
19	Cost of Capital Rate - 11.64% ROE		12.90%		11.76%		W/S 2A, 2C
20	Cost of Capital Rate - 1.25% bp ROE adder for NEEWS		1.08%		1.04%		W/S 2A, 2C
21	NEEWS Cost of Capital Rate		13.98%		12.80%		

(*) The Carrying Charge Factor shall reflect the most recent calendar year data used in determining Post-1996 Annual Transmission Revenue Requirements and shall equal the sum of Attachment F Sections II.A through II. H divided by PTF Transmission Plant.

Northeast Utilities System Companies'
Transmission Revenue Requirements of PTF Facilities- 2013 True-up
for Rates billed June 1, 2014 - May 31, 2015
Pre-1997 & Post-1996

Line I. ANNUAL TRUE-UP	Pre-1997	Post-1996	TOTAL	
1 Transmission Revenue Requirements (as billed)	81,715,606	604,971,347	686,686,953	ATRR - Prior Year
2 True-up 2013 Actual Annual RR @ 11.64% ROE	<u>74,059,852</u>	<u>574,266,391</u>	<u>648,326,243</u>	PTF Pre and Post on ATRR
3 Total Rate Year Surcharge/(Refund) (Line 2 - 1)	(7,655,754)	(30,704,956)	(38,360,710)	

Northeast Utilities System Companies'
FERC Interest Calculation associated with Surcharge / (Refund)
Transmission Revenue Requirements of PTF Facilities
Pre-1997 & Post-1996

Pre Post	Surcharge / (Refund)		FERC Monthly Interest Rate	Interest		
	Pre-1997	Post-1996		Pre-1997	Post-1996	
	Surcharge / (Refund)					
	(7,655,754)					
	(30,704,956)					
	Initial Billing	Balance				
	Period	Pre-1997	Post-1996	Pre-1997	Post-1996	
	June 2013	\$ (7,655,754)	\$ (30,704,956)	\$ (20,671)	\$ (82,903)	
	July 2013	\$ (7,676,425)	\$ (30,787,859)	\$ (21,494)	\$ (86,206)	
	August 2013	\$ (7,676,425)	\$ (30,787,859)	\$ (21,494)	\$ (86,206)	
	September 2013	\$ (7,676,425)	\$ (30,787,859)	\$ (20,726)	\$ (83,127)	
	October 2013	\$ (7,740,139)	\$ (31,043,398)	\$ (21,672)	\$ (86,922)	
	November 2013	\$ (7,740,139)	\$ (31,043,398)	\$ (20,898)	\$ (83,817)	
	December 2013	\$ (7,740,139)	\$ (31,043,398)	\$ (21,672)	\$ (86,922)	
	January 2014	\$ (7,804,381)	\$ (31,301,059)	\$ (21,852)	\$ (87,643)	
	February 2014	\$ (7,804,381)	\$ (31,301,059)	\$ (19,511)	\$ (78,253)	
	March 2014	\$ (7,804,381)	\$ (31,301,059)	\$ (21,852)	\$ (87,643)	
	April 2014	\$ (7,867,596)	\$ (31,554,598)	\$ (21,243)	\$ (85,197)	
	May 2014	\$ (7,867,596)	\$ (31,554,598)	\$ (22,029)	\$ (88,353)	
	Total Surcharge/(Refund)	\$ (7,910,868)		\$ (31,728,148)		
				Interest	Principal	Total (check) variance
				Pre-1997	\$ (255,114)	\$ (7,655,754) \$ (7,910,868) \$ -
				Post-1996	\$ (1,023,192)	\$ (30,704,956) \$ (31,728,148) \$ -
				Total	\$ (1,278,306)	\$ (38,360,710) \$ (39,639,016)

**Connecticut Light & Power Company (CL&P)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
Pre-1997**

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 2,479,498,796	46.80%	5.59%	2.62%	
PREFERRED STOCK	\$ 116,817,453	2.20%	4.80%	0.11%	0.11%
COMMON EQUITY	\$ 2,701,876,362	51.00%	11.64%	5.94%	5.94%
TOTAL INVESTMENT RETURN	\$ 5,298,192,611	100.00%		8.67%	6.05%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0867

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{Federal Income Tax Rate})}{1 - 0.35} \right) \times 0.35$$

= 0.033034

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{State Income tax Rate}) + \text{Federal Income Tax}}{1 - 0.09} \right) \times 0.09$$

= 0.009334

(a)+(b)+(c) Cost of Capital Rate = 0.129068

	Pre-1997 PTF	
INVESTMENT BASE	\$ 267,418,679	From Worksheet 1, line 13
x Cost of Capital Rate	0.129068	
= Investment Return and Income Taxes	<u>\$ 34,515,194</u>	To Worksheet 1, line 14

**Connecticut Light & Power Company (CL&P)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
Post-1996**

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 2,479,498,796	46.80%	5.59%	2.62%	
PREFERRED STOCK	\$ 116,817,453	2.20%	4.80%	0.11%	0.11%
COMMON EQUITY	\$ 2,701,876,362	51.00%	11.64%	5.94%	5.94%
TOTAL INVESTMENT RETURN	\$ 5,298,192,611	100.00%		8.67%	6.05%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0867

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{Federal Income Tax Rate})}{1 - \text{Federal Income Tax Rate}} \right) \times \text{Federal Income Tax Rate}$$

=
$$\frac{0.0605 + \left(\frac{(362,056) + 1,759,926}{1 - 0.35} \right) / 1,745,836,572}{1 - 0.35} \times 0.35$$

= 0.033008

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{State Income tax Rate}) + \text{Federal Income Tax}}{1 - \text{State Income tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\frac{0.0605 + \left(\frac{(362,056) + 1,759,926}{1 - 0.09} \right) / 1,745,836,572 + 0.033008}{1 - 0.09} \times 0.09$$

= 0.009327

(a)+(b)+(c) Cost of Capital Rate = 0.129035

	Post - 1996 Total PTF	-	Post - 1996 PTF CWIP	=	Post -1996 PTF Excluding CWIP	
INVESTMENT BASE	\$ 1,745,836,572		\$ 97,520,882		\$ 1,648,315,690	From Worksheet 1, line 13, 15
x Cost of Capital Rate	0.129035		0.129035		0.129035	
= Investment Return and Income Taxes	<u>\$ 225,274,022</u>		<u>\$ 12,583,607</u>		<u>\$ 212,690,415</u>	To Worksheet 1, line 16

**Connecticut Light & Power Company (CL&P)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
Post-2003**

	<u>CAPITALIZATION 12/31/2013</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>WEIGHTED COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 2,479,498,796	46.80%	#N/A		
PREFERRED STOCK	116,817,453	2.20%			
COMMON EQUITY	2,701,876,362	51.00%	1.00%	0.51%	0.51%
TOTAL INVESTMENT RETURN	\$ <u>5,298,192,611</u>	<u>100.00%</u>		<u>0.51%</u>	<u>0.51%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0051

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)}{(1 - \text{Federal Income Tax Rate})}$$

=
$$\frac{0.0051 + \left(\left(\frac{0 + 0}{1,211,706,343} \right) \times 0.35 \right)}{(1 - 0.35)}$$

= 0.002746

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax} \right) \times \text{State Income Tax Rate}}{(1 - \text{State Income Tax Rate})}$$

=
$$\frac{0.0051 + \left(\left(\frac{0 + 0}{1,211,706,343} \right) + 0.002746 \right) \times 0.09}{(1 - 0.09)}$$

= 0.000776

(a)+(b)+(c) Cost of Capital Rate = 0.008622

Post - 2003 PTF

INVESTMENT BASE	\$ 1,211,706,343	From Worksheet 1 Line 4
x Cost of Capital Rate	0.008622	
= Investment Return and Income Taxes	<u>10,447,332</u>	To Worksheet 1a Line 5

**Connecticut Light & Power Company (CL&P)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
M-N Advanced Technology**

	<u>CAPITALIZATION 12/31/2013</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>WEIGHTED COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 2,479,498,796	46.80%	#N/A		
PREFERRED STOCK	\$ 116,817,453	2.20%			
COMMON EQUITY	\$ 2,701,876,362	51.00%	0.46%	0.23%	0.23%
TOTAL INVESTMENT RETURN	<u>\$ 5,298,192,611</u>	<u>100.00%</u>		<u>0.23%</u>	<u>0.23%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0023

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)}{(1 - \text{Federal Income Tax Rate})}$$

=
$$\frac{0.0023 + \left(\left(\frac{0 + 0}{354,898,559} \right) \times 0.35 \right)}{(1 - 0.35)}$$

= 0.001238

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax} \right) \times \text{State Income Tax Rate}}{(1 - \text{State Income Tax Rate})}$$

=
$$\frac{0.0023 + \left(\left(\frac{0 + 0}{354,898,559} \right) + 0.001238 \right) \times 0.09}{(1 - 0.09)}$$

= 0.000350

(a)+(b)+(c) Cost of Capital Rate = 0.003888

	<u>M-N Adv Tech PTF</u>	
INVESTMENT BASE	\$ 354,898,559	From Worksheet 1 Line 4
x Cost of Capital Rate	0.003888	
= Investment Return and Income Taxes	<u>\$ 1,379,846</u>	To Worksheet 1a Line 5

**Connecticut Light & Power Company (CL&P)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
NEEWS**

Worksheet 2A NEEWS

	<u>CAPITALIZATION 12/31/2013</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>WEIGHTED COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 2,479,498,796	46.80%	#N/A		
PREFERRED STOCK	\$ 116,817,453	2.20%			
COMMON EQUITY	\$ 2,701,876,362	51.00%	1.25%	0.64%	0.64%
TOTAL INVESTMENT RETURN	<u>\$ 5,298,192,611</u>	<u>100.00%</u>		<u>0.64%</u>	<u>0.64%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0064

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)}{(1 - \text{Federal Income Tax Rate})}$$

=
$$\frac{0.0064 + \left(\left(\frac{0 + 0}{215,453,471} \right) \times 0.35 \right)}{(1 - 0.35)}$$

= 0.003446

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax} \right) \times \text{State Income Tax Rate}}{(1 - \text{State Income Tax Rate})}$$

=
$$\frac{0.0064 + \left(\left(\frac{0 + 0}{215,453,471} \right) + 0.003446 \right) \times 0.09}{(1 - 0.09)}$$

= 0.000974

(a)+(b)+(c) Cost of Capital Rate = 0.0108200

	<u>Total NEEWS</u>	<u>NEEWS CWIP</u>	<u>NEEWS Excluding CWIP</u>	
INVESTMENT BASE	\$ 215,453,471	\$ 97,520,882	\$ 117,932,589	From Worksheet 1 Line 4
x Cost of Capital Rate	0.010820	0.010820	0.010820	
= Investment Return and Income Taxes	<u>\$ 2,331,207</u>	<u>\$ 1,055,176</u>	<u>\$ 1,276,031</u>	To Worksheet 1a Line 5

**Connecticut Light & Power Company (CL&P)
Rate Base Items - 2013
for Rates billed June 1, 2014 - May 31, 2015**

Worksheet 3A

Line No.	(1) Transmission	(2) Wage/Plant Allocation Factors (a)	(3) Transmission	Pre-1997 PTF		Post-1996 PTF		Reference
				(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	(6) PTF Allocation Factor (b)	(7) = (3)*(6) PTF Allocated	
1	Transmission Plant							
2	General Plant			12.3429%	359,345,031	76.0788%	2,214,928,606	Attachment A (H1)
3	Total (line 1+2)				12,494,067		77,010,558	FF1 page 204 In. 96, footnote
					371,839,098		2,291,939,164	
4	Transmission Plant Held for Future Use	7,701,509 (c)	7,701,509	12.3429%	950,590	76.0788%	5,859,216	(c)
	<u>Transmission Accumulated Depreciation</u>							
5	Transmission Accum. Depreciation	554,619,872	554,619,872	12.3429%	68,456,176	76.0788%	421,948,143	FF1 page 219 In. 25
6	General Plant Accum. Depreciation	23,368,333	23,368,333	12.3429%	2,884,330	76.0788%	17,778,347	FF1 page 219 In. 28, footnote
7	Total (line 5+6)	577,988,205	577,988,205		71,340,506		439,726,490	
	<u>Transmission Accumulated Deferred Taxes</u>							
8	Accumulated Deferred Taxes (281 to 283)	(432,860,116)	(432,860,116)	12.3429%	(53,427,491)	76.0788%	(329,314,782)	FF1 page 274 In. 9 & 276 In. 19, footnote
9	Accumulated Deferred Taxes (190)	69,474,396 (d)	69,474,396	12.3429%	8,575,155	76.0788%	52,855,287	(d)
10	Total (line 8+9)	(363,385,720)	(363,385,720)		(44,852,336)		(276,459,495)	
11	Transmission loss on Reacquired Debt	6,008,213	6,008,213	12.3429%	741,588	76.0788%	4,570,976	FF1 page 110 In. 81, footnote
	<u>Other Regulatory Assets</u>							
12	FAS 106	85,324	85,324	12.3429%	10,531	76.0788%	64,913	FF1 page 232, In. 29, footnote
13	FAS 109	22,547,529	22,547,529	12.3429%	2,783,019	76.0788%	17,153,889	FF1 page 232 In. 10, footnote
14	Other Regulatory Liabilities (254.DK)	(5,167,818)	(5,167,818)	12.3429%	(637,859)	76.0788%	(3,931,614)	FF1 page 278 In. 3, footnote
15	Total (line 12+13+14)	17,465,035	17,465,035		2,155,691		13,287,188	
16	Transmission Prepayments (165)	22,606,170	22,606,170	12.3429%	2,790,257	76.0788%	17,198,503	FF1 page 110 In. 57, footnote
17	Transmission Materials and Supplies	32,769,357	32,769,357	12.3429%	4,044,689	76.0788%	24,930,534	FF1 page 227 In. 8
	<u>Cash Working Capital</u>							
18	Operation & Maintenance Expense				4,155,268		25,612,119	W/S 4A, Line 17
19	Administrative & General Expense				4,561,596		28,116,630	W/S 4A, Line 18
20	Transmission Support Expense				-		-	W/S 7
21	Subtotal (line 18+19+20)				8,716,864		53,728,749	
22					0.125		0.125	x 45 / 360
23	Total (line 21 * line 22)				1,089,608		6,716,094	

(a) All items are specifically Transmission related and reflected in the FERC Form No. 1 or associated footnotes. Therefore, the Wages & Salaries and Plant Allocation Factors are not used (column 2).

(b) W/S 5A & 5B

(c)

Account 105	39,098,481	FF1 page 214 In. 35
Less Third Underground Conduit Duct	31,396,972	FF1 page 214 In. 22
	<u>7,701,509</u>	

(d)

Account 190	71,302,493	FF1 page 234 In. 18, footnote
Less Reserve for Disputed Transactions	1,828,097	FF1 page 234 In. 18, footnote
Total Account 190	<u>69,474,396</u>	

**Connecticut Light & Power Company (CL&P)
Expense Items - 2013
for Rates billed June 1, 2014 - May 31, 2015**

Worksheet 4A

Line No.	(1) Transmission	(2) Wage/Plant Allocation Factors (a)	(3) Transmission	PRE-97 PTF		POST-96 PTF		Reference
				(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	(6) PTF Allocation Factor (b)	(7) = (3)*(6) Post-96 PTF Allocated	
<u>Depreciation Expense</u>								
1	64,599,378		64,599,378	12.3429%	7,973,437	76.0788%	49,146,432	FF1 page 336 ln. 7
2	5,402,390		5,402,390	12.3429%	666,812	76.0788%	4,110,073	FF1 page 336 ln. 10, footnote
3	<u>70,001,768</u>		<u>70,001,768</u>		<u>8,640,249</u>		<u>53,256,505</u>	
4	574,597		574,597	12.3429%	70,922	76.0788%	437,147	FF1 page 114 ln. 64, footnote
5	475,896		475,896	12.3429%	58,739	76.0788%	362,056	FF1 page 266 ln. 8, footnote
<u>Property Taxes</u>								
6	42,625,163		42,625,163	12.3429%	5,261,181	76.0788%	32,428,713	FF1 page 262 ln. 24i, footnote
7	-		-	12.3429%	-	76.0788%	-	
8	<u>42,625,163</u>		<u>42,625,163</u>		<u>5,261,181</u>		<u>32,428,713</u>	
<u>Transmission Operation and Maintenance</u>								
9	115,480,481		115,480,481	12.3429%	14,253,640	76.0788%	87,856,164	FF1 page 321 ln. 112
10	62,706,796		62,706,796	12.3429%	7,739,837	76.0788%	47,706,578	FF1 page 321 ln. 96
11	-		-	12.3429%	-	76.0788%	-	FF1 page 321 ln. 84
12	3,208,518		3,208,518	12.3429%	396,024	76.0788%	2,441,002	FF1 page 321 ln. 85
13	7,104,680		7,104,680	12.3429%	876,924	76.0788%	5,405,155	FF1 page 321 ln. 86
14	1,312,332		1,312,332	12.3429%	161,980	76.0788%	998,406	FF1 page 321 ln. 87
15	7,482,905		7,482,905	12.3429%	923,607	76.0788%	5,692,904	FF1 page 321 ln. 88
16	-		-	12.3429%	-	76.0788%	-	FF1 page 321 ln. 93 + ln. 98
17	<u>33,665,250</u>		<u>33,665,250</u>		<u>4,155,268</u>		<u>25,612,119</u>	
<u>Transmission Administrative and General</u>								
18	36,957,247		36,957,247	12.3429%	4,561,596	76.0788%	28,116,630	FF1 page 320 ln. 197 b, footnote
19	474,547		474,547	12.3429%	58,573	76.0788%	361,030	
	Federal Unemployment	7,301						FF1 page 262 ln. 2i, footnote
	FICA	339,909						FF1 page 262 ln. 4i, footnote
	Medicare	102,421						FF1 page 262 ln. 8i, footnote
	CT Unemployment	21,704						FF1 page 262 ln. 14i, footnote
	DC Unemployment	17						FF1 page 262.1 ln. 14i, footnote
	FL Unemployment	2						FF1 page 262.1 ln. 18i, footnote
	GA Unemployment	-						FF1 page 262 footnote
	MA Unemployment	127						FF1 page 262 ln. 32i, footnote
	MA Universal Health	25						FF1 page 262 ln. 33i, footnote
	MI Unemployment	18						FF1 page 262.1 ln. 22i, footnote
	NH Unemployment	2,983						FF1 page 262.1 ln. 4i, footnote
	NJ Unemployment	-						FF1 page 262 footnote
	NY Unemployment	40						FF1 page 262.1 ln. 10i, footnote
	Total	<u>474,547</u>						To Line 19

** To the extent that PTF Support Payments are reflected in worksheet 7 they will be excluded from this calculation.

(a) All items are specifically Transmission related and reflected in the FERC Form No. 1 or associated footnotes. Therefore, the Wages & Salaries and Plant Allocation Factors are not used (column 2).

(b) W/S 5A & 5B

(c) Transmission related general property taxes are included in the Transmission Property tax number footnoted in the FF1

**Public Service Company of New Hampshire (PSNH)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
Pre-1997**

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 1,042,453,215	47.94%	4.12%	1.98%	
PREFERRED STOCK	\$ -	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	\$ 1,131,876,004	52.06%	11.64%	6.06%	6.06%
TOTAL INVESTMENT RETURN	\$ 2,174,329,219	100.00%		8.04%	6.06%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0804

(b) Federal Income Tax =

$$\frac{(R.O.E. + \frac{PTF\ Inv. (Tax\ Credit + Eq.\ AFUDC\ of\ Deprec.\ Exp.)}{PTF\ Inv.\ Base}) \times Federal\ Income\ Tax\ Rate}{(1 - Federal\ Income\ Tax\ Rate)}$$

=

$$\frac{0.0606 + \frac{(985 + 32,684)}{69,737,123} \times 0.35}{(1 - 0.35)}$$

= 0.032876

(c) State Income Tax =

$$\frac{R.O.E. + \frac{PTF\ Inv. (Tax\ Credit + Eq.\ AFUDC\ of\ Deprec.\ Exp.)}{PTF\ Inv.\ Base} + Federal\ Income\ Tax}{(1 - State\ Income\ Tax\ Rate)} \times State\ Income\ Tax\ Rate$$

=

$$\frac{0.0606 + \frac{(985 + 32,684)}{69,737,123} + 0.032876}{(1 - 0.085)} \times 0.085$$

= 0.008726

(a)+(b)+(c) Cost of Capital Rate = 0.122002

	Pre-1997 PTF	
INVESTMENT BASE	\$ 69,737,123	From Worksheet 1, line 13
x Cost of Capital Rate	0.1220020	
= Investment Return and Income Taxes	\$ 8,508,068	To Worksheet 1, line 14

**Public Service Company of New Hampshire (PSNH)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
Post-1996**

	<u>CAPITALIZATION 12/31/2013</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>WEIGHTED COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 1,042,453,215	47.94%	4.12%	1.98%	
PREFERRED STOCK	\$ -	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	\$ 1,131,876,004	52.06%	11.64%	6.06%	6.06%
TOTAL INVESTMENT RETURN	<u>\$ 2,174,329,219</u>	<u>100.00%</u>		<u>8.04%</u>	<u>6.06%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0804

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{Federal Income Tax Rate})}{0.0606 + \left(\frac{(5,350) + 177,474}{1 - 0.35} \right) / 378,282,093} \right) \times 0.35$$

= 0.032876

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{State Income Tax Rate}) + \text{Federal Income Tax} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0606 + \left(\frac{(5,350) + 177,474}{1 - 0.085} \right) / 378,282,093}{0.032876} \right) \times 0.085$$

= 0.008726

(a)+(b)+(c) Cost of Capital Rate = 0.122002

Post - 1996 Total PTF

INVESTMENT BASE	\$ 378,282,093	From Worksheet 1, line 13
x Cost of Capital Rate	0.122002	
= Investment Return and Income Taxes	<u>\$ 46,151,172</u>	To Worksheet 1, line 16

**Public Service Company of New Hampshire (PSNH)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
Post-2003**

	<u>CAPITALIZATION 12/31/2013</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>WEIGHTED COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 1,042,453,215	47.94%	#N/A		
PREFERRED STOCK	\$ -	0.00%			
COMMON EQUITY	\$ 1,131,876,004	52.06%	1.00%	0.52%	0.52%
TOTAL INVESTMENT RETURN	<u>\$ 2,174,329,219</u>	<u>100.00%</u>		<u>0.52%</u>	<u>0.52%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0052

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{1 - \text{Federal Income Tax Rate}} \right)$$

=
$$\left(\frac{0.0052 + \left(\frac{0 + 0}{93,437,901} \right) \times 0.35}{1 - 0.35} \right)$$

= 0.002800

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{1 - \text{State Income Tax Rate}} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0052 + \left(\frac{0 + 0}{93,437,901} \right) + 0.002800}{1 - 0.085} \right) \times 0.085$$

= 0.000743

(a)+(b)+(c) Cost of Capital Rate = 0.008743

	<u>Post - 2003 PTF</u>	
INVESTMENT BASE	\$ 93,437,901	From Worksheet 1 Line 4
x Cost of Capital Rate	0.008743	
= Investment Return and Income Taxes	<u>\$ 816,928</u>	To Worksheet 1a Line 5

**Public Service Company of New Hampshire (PSNH)
Rate Base Items - 2013
for Rates billed June 1, 2014 - May 31, 2015**

Worksheet 3B

Line No.	(1) Transmission	(2) Wage/Plant Allocation Factors (a)	(3) Transmission	Pre-1997 PTF		Post-1996 PTF		Reference
				(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	(6) PTF Allocation Factor (b)	(7) = (3)*(6) Post-96 PTF Allocated	
<u>Transmission Plant</u>								
1	Transmission Plant				88,526,386		480,694,893	Attachment A1
2	General Plant	57,416,654	57,416,654	14.3959%	8,265,644	78.1693%	44,882,197	FF1 page 204 ln. 99, footnote
3	Total (line 1+2)	<u>57,416,654</u>	<u>57,416,654</u>		<u>96,792,030</u>		<u>525,577,090</u>	
4	<u>Transmission Plant Held for Future Use</u>	18,192,763	18,192,763	14.3959%	<u>2,619,012</u>	78.1693%	<u>14,221,155</u>	FF1 page 214 ln. 33
<u>Transmission Accumulated Depreciation</u>								
5	Transmission Accum. Depreciation	112,572,660	112,572,660	14.3959%	16,205,848	78.1693%	87,997,260	FF1 page 219 ln. 25
6	General Plant Accum. Depreciation	13,180,990	13,180,990	14.3959%	1,897,522	78.1693%	10,303,488	FF1 page 219 ln. 28, footnote
7	Total (line 5+6)	<u>125,753,650</u>	<u>125,753,650</u>		<u>18,103,370</u>		<u>98,300,748</u>	
<u>Transmission Accumulated Deferred Taxes</u>								
8	Accumulated Deferred Taxes (281-283)	(122,540,921)	(122,540,921)	14.3959%	(17,640,868)	78.1693%	(95,789,380)	FF1 page 274 ln. 9 & 276 ln. 19, footnote
9	Accumulated Deferred Taxes (190)	12,845,172 (c)	12,845,172	14.3959%	1,849,178	78.1693%	10,040,981	(c)
10	Total (line 8+9)	<u>(109,695,749)</u>	<u>(109,695,749)</u>		<u>(15,791,690)</u>		<u>(85,748,399)</u>	
11	<u>Transmission loss on Reacquired Debt</u>	2,231,378	2,231,378	14.3959%	<u>321,227</u>	78.1693%	<u>1,744,253</u>	FF1 page 110 ln. 81, footnote
<u>Other Regulatory Assets</u>								
12	FAS 106	213,770	213,770	14.3959%	30,774	78.1693%	167,103	FF1 page 232.1 ln. 26, footnote
13	FAS 109	8,053,717	8,053,717	14.3959%	1,159,405	78.1693%	6,295,534	FF1 page 232 ln. 1, footnote
14	Other Regulatory Liabilities (254.DK)	(11,073)	(11,073)	14.3959%	(1,594)	78.1693%	(8,656)	FF1 page 278 ln. 1, footnote
15	Total (line 12+13+14)	<u>8,256,414</u>	<u>8,256,414</u>		<u>1,188,585</u>		<u>6,453,981</u>	
16	<u>Transmission Prepayments</u>	4,465,753	4,465,753	14.3959%	<u>642,885</u>	78.1693%	<u>3,490,848</u>	FF1 page 110 ln. 57, footnote
17	<u>Transmission Materials and Supplies</u>	11,446,226	11,446,226	14.3959%	<u>1,647,787</u>	78.1693%	<u>8,947,435</u>	FF1 page 227 ln. 8
<u>Cash Working Capital</u>								
18	Operation & Maintenance Expense				1,335,047		7,249,265	WS 4B, Line 17
19	Administrative & General Expense				1,459,042		7,922,555	WS 4B, Line 18
20	Transmission Support Expense				571,165		-	WS 7
21	Subtotal (line 18+19+20)				<u>3,365,254</u>		<u>15,171,820</u>	
22					0.125		0.125	x 45 / 360
23	Total (line 21 * line 22)				<u>420,657</u>		<u>1,896,478</u>	

(a) All items are specifically Transmission related and reflected in the FERC Form No. 1 or associated footnotes. Therefore, the Wages & Salaries and Plant Allocation Factors are not used (column 2).

(b) W/S 5A & 5B

(c)

Account 190	12,845,172	FF1 page 234 ln. 18, footnote
Less Reserve for Disputed Transactions	-	FF1 page 234 ln. 18, footnote
<u>Total Account 190</u>	<u>12,845,172</u>	

**Public Service Company of New Hampshire (PSNH)
Expense Items - 2013
for Rates billed June 1, 2014 - May 31, 2015**

Worksheet 4B

Line No.	(1) Transmission	(2) Wage/Plant Allocation Factors (a)	(3) Transmission	Pre-1997 PTF		Post-1996 PTF		Reference
				(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	(6) PTF Allocation Factor (b)	(7) = (3)*(6) Post-96 PTF Allocated	
<u>Depreciation Expense</u>								
1	10,877,087		10,877,087	14.3959%	1,565,855	78.1693%	8,502,543	FF 1 page 336 ln. 7
2	2,804,621		2,804,621	14.3959%	403,750	78.1693%	2,192,353	FF1 page 336 ln. 10, footnote
3	<u>13,681,708</u>		<u>13,681,708</u>		<u>1,969,605</u>		<u>10,694,896</u>	
4	227,023		227,023	14.3959%	32,682	78.1693%	177,462	FF1 page 114 ln. 64, footnote
5	6,844		6,844	14.3959%	985	78.1693%	5,350	FF1 page 266 ln. 8, footnote
<u>Property Taxes</u>								
6	15,433,889		15,433,889	14.3959%	2,221,847	78.1693%	12,064,563	FF1 page 262 ln. 23i + ln. 31i +
7	-		-	14.3959%	-	78.1693%	-	page 262.1 ln. 3i, footnote
8	<u>15,433,889</u>		<u>15,433,889</u>		<u>2,221,847</u>		<u>12,064,563</u>	
<u>Transmission Operation and Maintenance</u>								
9	36,701,490		36,701,490	14.3959%	5,283,510	78.1693%	28,689,298	FF1 page 321 ln. 112
10	23,494,692		23,494,692	14.3959%	3,382,272	78.1693%	18,365,636	FF1 page 321 ln. 96
11	-		-	14.3959%	-	78.1693%	-	FF1 page 321 ln. 84
12	786,362		786,362	14.3959%	113,204	78.1693%	614,694	FF1 page 321 ln. 85
13	577,821		577,821	14.3959%	83,183	78.1693%	451,679	FF1 page 321 ln. 86
14	35,509		35,509	14.3959%	5,112	78.1693%	27,757	FF1 page 321 ln. 87
15	2,533,305		2,533,305	14.3959%	364,692	78.1693%	1,980,267	FF1 page 321 ln. 88
16	-		-	14.3959%	-	78.1693%	-	FF1 page 321 ln. 93 + ln. 98
17	<u>9,273,801</u>		<u>9,273,801</u>		<u>1,335,047</u>		<u>7,249,265</u>	
<u>Transmission Administrative and General</u>								
18	10,135,123		10,135,123	14.3959%	1,459,042	78.1693%	7,922,555	FF1 page 320 ln. 197 b, footnote
19	100,561		100,561	14.3959%	14,477	78.1693%	78,608	
	Federal Unemployment							FF1 page 262 ln. 3i, footnote
	FICA							FF1 page 262 ln. 5i, footnote
	Medicare							FF1 page 262 ln. 8i, footnote
	CT Unemployment							FF1 page 262.1 ln. 8i, footnote
	DC Unemployment							FF1 page 262 ln. 27i, footnote
	FL Unemployment							FF1 page 262.1 ln. 28i, footnote
	GA Unemployment							FF1 page 262.1 ln. 32i, footnote
	MA Unemployment							FF1 page 262.1 ln. 16i, footnote
	MA Universal Health							FF1 page 262.1 ln. 17i, footnote
	MI Unemployment							FF1 page 262.1 ln. 32i, footnote
	NH Unemployment							FF1 page 262 ln. 15i, footnote
	NJ Unemployment							FF1 page 262, footnote
	NY Unemployment							FF1 page 262.1 ln. 23i, footnote
	<u>Total</u>							
	100,561	To Line 19						

** To the extent that PTF Support Payments are reflected in worksheet 7 they will be excluded from this calculation.

- (a) All items are specifically Transmission related and reflected in the FERC Form No. 1 or associated footnotes. Therefore, the Wages & Salaries and Plant Allocation Factors are not used (column 2).
- (b) W/S 5A & 5B
- (c) Transmission related general property taxes are included in the Transmission Property tax number footnoted in the FF1.

Western Massachusetts Electric Company (WMECO)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
Pre-1997

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 568,310,938	49.53%	4.22%	2.09%	
PREFERRED STOCK	\$ -	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	\$ 579,105,823	50.47%	11.64%	5.87%	5.87%
TOTAL INVESTMENT RETURN	\$ 1,147,416,761	100.00%		7.96%	5.87%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0796

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{Federal Income Tax Rate})}{0.0587 + \left(\frac{(2,548) + 10,984}{1 - 0.35} \right)} \right) \times 0.35$$

= 0.031720

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{State Income Tax Rate}) + \text{Federal Income Tax}}{0.0587 + \left(\frac{(2,548) + 10,984}{1 - 0.065} \right) + 0.031720} \right) \times 0.065$$

= 0.006300

(a)+(b)+(c) Cost of Capital Rate = 0.117620

Pre-1997 PTF

INVESTMENT BASE	\$ 40,368,470	From Worksheet 1, line 13
x Cost of Capital Rate	0.117620	
= Investment Return and Income Taxes	<u>\$ 4,748,139</u>	To Worksheet 1, line 14

Western Massachusetts Electric Company (WMECO)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
Post-1996

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 568,310,938	49.53%	4.22%	2.09%	
PREFERRED STOCK	\$ -	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	\$ 579,105,823	50.47%	11.64%	5.87%	5.87%
TOTAL INVESTMENT RETURN	\$ 1,147,416,761	100.00%		7.96%	5.87%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0796

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{1 - \text{Federal Income Tax Rate}} \right)$$

=
$$\left(\frac{0.0587 + \left(\frac{(33,085) + 142,638}{531,290,756} \right) \times 0.35}{1 - 0.35} \right)$$

= 0.031719

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{1 - \text{State Income Tax Rate}} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0587 + \left(\frac{(33,085) + 142,638}{531,290,756} \right) + 0.031719}{1 - 0.065} \right) \times 0.065$$

= 0.006300

(a)+(b)+(c) Cost of Capital Rate = 0.117619

	Post - 1996 Total PTF	Post - 1996 PTF CWIP	Post -1996 PTF Excluding CWIP	
INVESTMENT BASE	\$ 531,290,756	\$ 7,569,568	\$ 523,721,188	From Worksheet 1, line 13, 15
x Cost of Capital Rate	0.1176190	0.1176190	0.1176190	
= Investment Return and Income Taxes	<u>\$ 62,489,887</u>	<u>\$ 890,325</u>	<u>\$ 61,599,562</u>	To Worksheet 1, line 14

**Western Massachusetts Electric Company (WMECO)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
Post-2003**

	<u>CAPITALIZATION 12/31/2013</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>WEIGHTED COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 568,310,938	49.53%	#N/A		
PREFERRED STOCK	\$ -	0.00%			
COMMON EQUITY	\$ 579,105,823	50.47%	1.00%	0.50%	0.50%
TOTAL INVESTMENT RETURN	\$ 1,147,416,761	100.00%		0.50%	0.50%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0050

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{(1 - \text{Federal Income Tax Rate})} \times \text{Federal Income Tax Rate} \right)$$

=
$$\left(\frac{0.0050 + \left(\frac{0 + 0}{8,337,595} \right)}{(1 - 0.35)} \times 0.35 \right)$$

= 0.002692

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{(1 - \text{State Income Tax Rate})} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0050 + \left(\frac{0 + 0}{8,337,595} \right) + 0.002692}{(1 - 0.065)} \right) \times 0.065$$

= 0.000535

(a)+(b)+(c) Cost of Capital Rate = 0.008227

	<u>Post - 2003 PTF</u>	
INVESTMENT BASE	\$ 8,337,595	From Worksheet 1 Line 4
x Cost of Capital Rate	0.008227	
= Investment Return and Income Taxes	<u>\$ 68,593</u>	To Worksheet 1a Line 5

**Western Massachusetts Electric Company (WMECO)
Investment Return and Income Taxes - 2013
for Rates billed June 1, 2014 - May 31, 2015
NEEWS**

Worksheet 2C NEEWS

	<u>CAPITALIZATION 12/31/2013</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>WEIGHTED COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 568,310,938	49.53%	#N/A		
PREFERRED STOCK	\$ -	0.00%			
COMMON EQUITY	\$ 579,105,823	50.47%	1.25%	0.63%	0.63%
TOTAL INVESTMENT RETURN	\$ 1,147,416,761	100.00%		0.63%	0.63%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0063

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{1 - \text{Federal Income Tax Rate}} \right)$$

=
$$\left(\frac{0.0063 + \left(\frac{0 + 0}{399,056,226} \right) \times 0.35}{1 - 0.35} \right)$$

= 0.003392

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{1 - \text{State Income Tax Rate}} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0063 + \left(\frac{0 + 0}{399,056,226} \right) + 0.003392}{1 - 0.065} \right) \times 0.065$$

= 0.000674

(a)+(b)+(c) Cost of Capital Rate = 0.010366

	<u>Total NEEWS</u>	<u>NEEWS CWIP</u>	<u>NEEWS Excluding CWIP</u>	
INVESTMENT BASE	\$ 399,056,226	\$ 7,569,568	\$ 391,486,658	From Worksheet 1 Line 4
x Cost of Capital Rate	0.010366	0.010366	0.010366	
= Investment Return and Income Taxes	<u>\$ 4,136,617</u>	<u>\$ 78,466</u>	<u>\$ 4,058,151</u>	To Worksheet 1a Line 5

Western Massachusetts Electric Company (WMECO)
Rate Base Items - 2013
for Rates billed June 1, 2014 - May 31, 2015

Worksheet 3C

Line No.	(1) Transmission	(2) Wage/Plant Allocation Factors (a)	(3) Transmission	Pre-1997 PTF		Post-1996 PTF		Reference
				(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	(6) PTF Allocation Factor (b)	(7) = (3)*(6) Post-96 PTF Allocated	
<u>Transmission Plant</u>								
1					53,623,187		696,363,807	Attachment A2
2	17,903,651		17,903,651	6.6658%	1,193,422	86.5635%	15,498,027	FF1 page 204 ln. 96, footnote
3	<u>17,903,651</u>		<u>17,903,651</u>		<u>54,816,609</u>		<u>711,861,834</u>	
4	1,500,000		1,500,000	6.6658%	<u>99,987</u>	86.5635%	<u>1,298,453</u>	FF1 page 214 ln. 13
<u>Transmission Accumulated Depreciation</u>								
5	41,617,572		41,617,572	6.6658%	2,774,144	86.5635%	36,025,627	FF1 page 219 ln. 25
6	3,571,893		3,571,893	6.6658%	238,095	86.5635%	3,091,956	FF1 page 219 ln. 28, footnote
7	<u>45,189,465</u>		<u>45,189,465</u>		<u>3,012,239</u>		<u>39,117,583</u>	
<u>Transmission Accumulated Deferred Taxes</u>								
8	(201,344,031)		(201,344,031)	6.6658%	(13,421,190)	86.5635%	(174,290,440)	FF1 page 274 ln. 9 & 276 ln. 19, footnote
9	19,435,034 (c)		19,435,034	6.6658%	1,295,500	86.5635%	16,823,646	(c)
10	<u>(181,908,997)</u>		<u>(181,908,997)</u>		<u>(12,125,690)</u>		<u>(157,466,794)</u>	
11	380,786		380,786	6.6658%	<u>25,382</u>	86.5635%	<u>329,622</u>	FF1 page 110 ln. 81, footnote
<u>Other Regulatory Assets</u>								
12	(16,456)		(16,456)	6.6658%	(1,097)	86.5635%	(14,245)	FF1 page 232 ln. 1, footnote
13	3,019,310		3,019,310	6.6658%	201,261	86.5635%	2,613,620	FF1 page 232 ln. 9, footnote
14	(85,607)		(85,607)	6.6658%	(5,706)	86.5635%	(74,104)	FF1 page 278 ln. 5, footnote
15	<u>2,917,247</u>		<u>2,917,247</u>		<u>194,458</u>		<u>2,525,271</u>	
16	261,606		261,606	6.6658%	<u>17,438</u>	86.5635%	<u>226,455</u>	FF1 page 110 ln. 57, footnote
17	2,990,962		2,990,962	6.6658%	<u>199,372</u>	86.5635%	<u>2,589,081</u>	FF1 page 227 ln. 8
<u>Cash Working Capital</u>								
19					404,336		5,250,785	W/S 4C, Line 17
20					504,228		6,548,009	W/S 4C, Line 18
21					316,660			W/S 7
22					<u>1,225,224</u>		<u>11,798,794</u>	
23					0.125		0.125	x 45 / 360
24					<u>153,153</u>		<u>1,474,849</u>	

(a) All items are specifically Transmission related and reflected in the FERC Form No. 1 or associated footnotes. Therefore, the Wages & Salaries and Plant Allocation Factors are not used (column 2).

(b) W/S 5A & 5B

(c)

Account 190	19,435,034	FF1 page 234 ln. 18, footnote
Less Reserve for Disputed Transactions	-	FF1 page 234 ln. 18, footnote
Total Account 190	<u>19,435,034</u>	

Western Massachusetts Electric Company (WMECO)
Expense Items - 2013
for Rates billed June 1, 2014 - May 31, 2015

Worksheet 4C

Line No.	(1) Transmission	(2) Wage/Plant Allocation Factors (a)	(3) Transmission	Pre-1997 PTF		Post-1996 PTF		Reference
				(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	(6) PTF Allocation Factor (b)	(7) = (3)*(6) Post-96 PTF Allocated	
<u>Depreciation Expense</u>								
1	Transmission Depreciation		12,889,132	6.6658%	859,164	86.5635%	11,157,284	FF1 page 336 ln. 7
2	General Depreciation		654,516	6.6658%	43,629	86.5635%	566,572	FF1 page 336 ln. 10, footnote
3	Total (line 1+2)		<u>13,543,648</u>		<u>902,793</u>		<u>11,723,856</u>	
4	<u>Amortization of Loss on Reacquired Debt</u>		53,367	6.6658%	3,557	86.5635%	46,196	FF1 page 114, ln. 64, footnote
5	<u>Amortization of Investment Tax Credits</u>		38,220	6.6658%	2,548	86.5635%	33,085	FF1 page 266 ln. 8, footnote
<u>Property Taxes</u>								
6	Transmission Property Taxes		12,778,164	6.6658%	851,767	86.5635%	11,061,226	FF1 page 262 ln. 32i, footnote
7	General Property Taxes (b)			6.6658%	-	86.5635%	-	
8	Total (line 6+7)		<u>12,778,164</u>		<u>851,767</u>		<u>11,061,226</u>	
<u>Transmission Operation and Maintenance</u>								
9	Operation and Maintenance		8,383,623	6.6658%	558,836	86.5635%	7,257,157	FF1 page 321 ln. 112
10	Transmission of Electricity by Others - #565		1,115,556	6.6658%	74,361	86.5635%	965,664	FF1 page 321 ln. 96
11	Load Dispatching - #561		-	6.6658%	-	86.5635%	-	FF1 page 321 ln. 84
12	Account 561.1		-	6.6658%	-	86.5635%	-	FF1 page 321 ln. 85
13	Account 561.2		35,646	6.6658%	2,376	86.5635%	30,856	FF1 page 321 ln. 86
14	Account 561.3		-	6.6658%	-	86.5635%	-	FF1 page 321 ln. 87
15	Account 561.4		1,166,603	6.6658%	77,763	86.5635%	1,009,852	FF1 page 321 ln. 88
16	**Station Expenses & Rents		-	6.6658%	-	86.5635%	-	FF1 page 321 ln. 93 + ln. 98
17	O&M less lines 10 thru 16		<u>6,065,818</u>		<u>404,336</u>		<u>5,250,785</u>	
<u>Transmission Administrative and General</u>								
18	Administrative and General		7,564,400	6.6658%	504,228	86.5635%	6,548,009	FF1 page 320 ln. 197, footnote
19	<u>Payroll Tax Expense</u>		<u>62,042</u>	6.6658%	<u>4,136</u>	86.5635%	<u>53,706</u>	
	Federal Unemployment		896					FF1 page 262 ln. 3i, footnote
	FICA		44,197					FF1 page 262 ln. 5i, footnote
	Medicare		13,485					FF1 page 262 ln. 9i, footnote
	CT Unemployment		2,476					FF1 page 262 ln. 13i, footnote
	DC Unemployment		2					FF1 page 262.1 ln. 6i, footnote
	FL Unemployment		-					FF1 page 262.1 ln. 10i, footnote
	GA Unemployment		-					FF1 page 262, footnote
	MA Unemployment		467					FF1 page 262 ln. 22i, footnote
	MA Universal Health		99					FF1 page 262 ln. 27i, footnote
	MI Unemployment		-					FF1 page 262, footnote
	NH Unemployment		414					FF1 page 262 ln. 37i, footnote
	NJ Unemployment		-					FF1 page 262 footnote
	NY Unemployment		6					FF1 page 262.1 ln. 2i, footnote
	Total		<u>62,042</u>					To Line 19

** To the extent that PTF Support Payments are reflected in worksheet 7 they will be excluded from this calculation.

(a) All items are specifically Transmission related and reflected in the FERC Form No. 1 or associated footnotes. Therefore, the Wages & Salaries and Plant Allocation Factors are not used (column 2).

(b) W/S 5A & 5B

(c) Transmission related general property taxes are included in the Transmission Property tax number footnoted in the FF1.

**Northeast Utilities System Companies'
Allocation Factors - 2013
for Rates billed June 1, 2014 - May 31, 2015
Pre-1997**

Worksheet 5A

Line
No.

<u>PTF Transmission Plant Allocation Factor</u>		<u>CL&P</u>	<u>PSNH</u>	<u>WMECO</u>	<u>TOTAL</u>	<u>Reference</u>
1	PTF Transmission Investment	359,345,031	88,526,386	53,623,187	501,494,604	W/S 3A,3B,3C line 1
2	Total Transmission Investment	<u>2,911,360,368</u>	<u>614,940,977</u>	<u>804,454,147</u>	<u>4,330,755,492</u>	FF1 page 206-207 ln 58
3	Percent Allocation (Line 1/ Line 2)	<u>12.3429%</u>	<u>14.3959%</u>	<u>6.6658%</u>	<u>11.5798%</u>	

**Northeast Utilities System Companies'
Allocation Factors - 2013
for Rates billed June 1, 2014 - May 31, 2015
Post-1996**

Worksheet 5B

Line
No.

<u>PTF Transmission Plant Allocation Factor</u>		<u>CL&P</u>	<u>PSNH</u>	<u>WMECO</u>	<u>TOTAL</u>	<u>Reference</u>
1	PTF Transmission Investment	2,214,928,606	480,694,893	696,363,807	3,391,987,306	W/S 3A,3B,3C line 1
2	Total Transmission Investment	<u>2,911,360,368</u>	<u>614,940,977</u>	<u>804,454,147</u>	<u>4,330,755,492</u>	FF1 page 206-207 ln 58
3	Percent Allocation (Line 1/ Line 2)	<u>76.0788%</u>	<u>78.1693%</u>	<u>86.5635%</u>	<u>78.3232%</u>	

**Northeast Utilities System Companies'
Transmission Support Revenues and Expenses - 2013
for Rates billed June 1, 2014 - May 31, 2015
Pre-1997**

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	CL&P		PSNH		WMECO		TOTAL	
			Revenues (a)	Expenses (b)	Revenues (a)	Expenses (b)	Revenues (a)	Expenses (b)	Revenues (a)	Expenses (b)
NSTAR	345 kV Sherman - Medway 336 line									-
	115 kV Somerville 402 Substation									-
	115/345 kV North Cambridge 509 Substation									-
	345 kV Golden Hills -Mystic 389 (x&y) line									-
	West Medway 345 kV breaker									-
	115 kV Millbury-Medway 201 line									-
	HQ Phase II - AC in MA	FF1 page 332 In. 7 (NSTAR)		90,295		47,962		18,955		157,212
	345 kV "stabilizer" 342 line									-
	345 kV Walpole - Medway 325 line									-
	345 kV Carver - Walpole 331 line									-
345 kV Jordan Rd - Canal 342 line									-	
CEC	Second Canal line									-
	345 kV Pilgrim-Bridgewater - 355 line									-
	345 kV Myles Standish - Canal 342 line									-
CMP	345 kV Buxton-South Gorham 386 line					8,214				8,214
	115 kV Wyman 164-167 lines					3,207				3,207
	115 kV Saco Valley									-
EUA	345 kV Carver - Walpole 331 line									-
	345 kV Medway - Bridgewater 344 Line									-
	Northern Rhode Island transmission									-
NEP	Chester SVC	FF1 page 332 In. 13		488,012		259,216		102,447		849,675
	Comerford 115 kV Substation									-
	345 kV Sandy-Tewksbury 337 line									-
	345 kV Tewksbury-Woburn 338 line									-
	115 kV Tewksbury - Woburn M139 line									-
	115 kV Tewksbury - Woburn N140 line									-
	Moore 115 kV Substation	FF1 page 332.2 In. 4				13,319				13,319
	HQ Phase II - AC in MA	FF1 page 332 In. 6 (NEP)		1,154,820		613,401		242,424		2,010,645
	345 kV Golden Hills-Mystic 349 line									-
	345 kV NH/MA border-Tewksbury 394 line									-
115 kV Read - Washington V148 line									-	
French King/Shelburne							(47,166)		(47,166)	
NU	345 kV 363, 369 and 394 Seabrook lines	FF1 page 330.1 In. 3			374,154				374,154	-
	Fairmont 115 kV Substation									-
	345 kV Millstone-Manchester 310 line	FF1 page 330.1 In. 5	2,569,432						2,569,432	-
	UI Substations									-
Black Pond	FF1 page 330.1 In 6		237,534						237,534	
Total =			2,806,966	1,733,127	374,154	945,319	-	316,660	3,181,120	2,995,106

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

	<u>0</u>	<u>571,165</u>	<u>316,660</u>	<u>0</u>
	Support Revenue Expenses			

Connecticut Light and Power Company										
Substations and Lines										
PTF Investment as of 12/31/13 (101 + 106)										
	350	352	353	354	355	356	357	358	359	Grand Total
1979 + PRIOR	36,387,271.43	2,345,382.93	45,031,770.45	17,849,942.95	47,097,473.39	39,989,974.08	817,910.81	5,448,469.52	394,326.26	195,362,521.81
1980	312,323.69	0.00	1,180,639.68	1,207,553.88	1,165,524.66	1,775,231.51	0.00	0.00	0.00	5,641,273.41
1981	838,924.83	411,977.49	7,198,565.92	3,363,183.07	3,675,306.30	2,837,169.62	0.00	0.00	445,359.14	18,770,486.37
1982	1,321,417.28	10,210.30	936,899.37	0.00	4,319,368.05	3,134,787.45	0.00	0.00	457,303.27	10,179,985.72
1983	144,404.48	97,133.02	3,073,239.46	1,633,362.93	1,373,080.64	940,203.55	0.00	452,348.46	114,420.29	7,828,192.83
1984	23,940.59	127,739.45	2,724,743.54	736,432.67	13,538.77	638,920.92	0.00	0.00	105,693.03	4,371,008.98
1985	0.00	660,780.92	7,370,023.38	254,460.70	12,716,402.36	11,053,419.13	0.00	14,035.59	2,086,693.18	34,155,815.26
1986	17.45	14,718.73	4,683,115.62	0.00	203,272.05	588,706.25	0.00	0.00	7,934.56	5,497,764.66
1987	39,081.03	9,201.64	1,255,946.79	220,544.60	2,282,408.84	1,192,027.94	0.00	0.00	141,730.14	5,140,940.98
1988	12,321.82	94,980.56	3,152,593.65	0.00	419,496.90	813,077.54	0.00	0.00	247,458.25	4,739,928.72
1989	13,407.54	205,181.92	711,640.62	180,966.57	2,241,153.50	1,818,485.72	0.00	23,806.86	552,449.96	5,747,092.68
1990	54,227.47	175,832.80	7,562,078.20	244,967.25	392,708.18	758,013.37	0.00	0.00	96,769.87	9,284,597.14
1991	893,384.98	0.00	7,347,243.15	92,885.29	6,010,808.09	5,941,696.63	0.00	0.00	1,288,940.98	21,574,959.12
1992	42,485.41	10,038.23	2,138,528.76	0.00	2,596,097.44	1,534,439.82	0.00	0.00	744,782.51	7,066,372.18
1993	1,193.02	0.00	829,060.29	140,492.94	14,625,229.34	2,855,451.27	0.00	0.00	19,686.26	18,471,113.12
1994	1,194.53	0.00	2,357,433.40	0.00	390,839.13	168,061.11	0.00	0.00	90,525.06	3,008,053.23
1995	2,545.44	37,028.38	152,980.53	0.00	347,481.69	256,664.17	0.00	0.00	0.00	796,700.21
1996	0.00	93,326.15	1,218,297.75	0.00	324,259.63	72,341.50	0.00	0.00	0.00	1,708,225.03
	40,088,140.98	4,293,532.51	98,924,800.56	25,924,792.85	100,194,448.96	76,368,671.58	817,910.81	5,938,660.43	6,794,072.76	359,345,031.45
1997	39,442.79	38,745.58	4,719,015.90	0.00	118,897.46	4,837,106.76	0.00	0.00	0.00	9,753,208.49
1998	(6,147.32)	52,858.77	240,086.94	0.00	109,005.21	105,664.19	0.00	0.00	0.00	501,467.79
1999	0.00	0.00	437,187.91	0.00	26,718.64	6,688.86	0.00	0.00	0.00	470,595.41
2000	0.00	0.00	2,573,280.60	0.00	256,383.81	5,663.06	136,633.03	179,004.16	61,360.97	3,212,325.63
2001	822,820.03	243,887.16	16,901,628.25	0.00	1,215,633.51	28,447.99	0.00	0.00	0.00	19,212,416.94
2002	0.00	93,534.58	6,055,495.38	184,907.20	1,932,736.37	2,939,424.59	0.00	0.00	0.00	11,206,098.13
2003	(30,877.09)	186,641.00	13,838,914.15	55,332.28	8,802,574.20	2,570,587.65	0.00	0.00	0.00	25,423,172.19
2004	608,926.57	1,967,453.67	56,323,985.40	0.00	1,916,089.10	377,603.79	1,058,908.61	1,180,509.94	18,824.61	63,452,301.69
2005	3,146,607.24	4,569,298.32	77,300,280.78	0.00	3,479,912.42	3,110,943.64	16,291,589.29	9,150,257.10	0.00	117,048,888.78
2006	11,309,368.96	7,276,069.70	80,613,442.99	0.00	20,069,205.58	9,020,162.39	20,432,422.46	67,443,769.08	3,924,497.21	220,088,938.37
2007	10,995,817.07	3,672,997.57	75,592,866.50	0.00	74,678,629.60	44,665,486.87	0.00	0.00	29,274.47	209,635,072.09
2008	3,211,587.22	9,426,846.60	210,590,924.34	364,883.89	78,948,127.08	49,505,158.15	355,889,297.64	303,546,515.48	18,160,230.39	1,029,643,570.79
2009	1,328,049.43	6,939,302.60	48,605,476.81	0.00	7,631,127.62	527,853.60	51,804.71	16,940.16	148,041.11	65,248,596.03
2010	1,400,778.02	759,623.91	21,753,003.47	0.00	10,159,916.07	2,386,449.11	0.00	1,341,534.95	4,141,286.56	41,942,592.09
2011	1,832,612.68	3,895,138.69	34,702,135.79	586,555.68	5,385,169.34	904,867.32	0.00	33,128.70	217,458.78	47,557,066.97
2012	359,719.87	3,500,415.38	28,033,229.17	46,763.90	40,146,403.55	24,888,026.16	0.00	0.00	100,877.33	97,075,435.35
2013	1,401,516.76	289,501.93	140,944,311.37	1,127,875.07	81,388,668.06	17,548,307.17	0.00	0.00	10,756,679.40	253,456,859.76
Post-1996	36,420,222.23	42,912,315.44	819,225,265.74	2,366,318.02	336,265,197.63	163,428,441.30	393,860,655.74	382,891,659.57	37,558,530.82	2,214,928,606.48
Grand Total	76,508,363.21	47,205,847.95	918,150,066.30	28,291,110.87	436,459,646.59	239,797,112.88	394,678,566.55	388,830,320.00	44,352,603.58	2,574,273,637.93

PSNH										
Substations and Lines										
PTF Investment as of 12/31/13 (101 + 106)										
	350	352	353	354	355	356	357	358	359	Grand Total
1979 + PRIOR	6,969,630.84	1,593,788.68	9,667,498.19	4,984,250.97	14,168,175.61	13,178,406.65	0.00	0.00	124,577.96	50,686,328.91
1980	1,509,193.04	23,076.77	851,347.54	3,683,253.81	130,557.04	2,446,589.80	0.00	0.00	468,079.93	9,112,097.93
1981	0.00	0.00	39,142.64	0.00	55,105.42	8,828.28	0.00	0.00	0.00	103,076.34
1982	18.16	0.00	16,772.26	0.00	119,784.62	9,531.48	0.00	0.00	15,557.34	161,663.86
1983	3,063,758.36	4,803.81	486,141.49	0.00	6,712,752.36	4,147,566.73	0.00	0.00	58,959.34	14,473,982.09
1984	1,251.27	0.00	362,171.54	0.00	29,450.05	3,868.27	0.00	0.00	0.00	396,741.13
1985	41.35	0.00	75,076.17	0.00	180,351.54	30,518.62	0.00	0.00	0.00	285,987.68
1986	0.00	575.06	94,157.53	0.00	284,255.28	131,113.36	0.00	0.00	0.00	510,101.23
1987	772,440.36	0.00	11,072.67	0.00	136,774.99	21,938.13	0.00	0.00	3,785.03	946,011.18
1988	3,609.60	0.00	0.00	965,848.51	956,126.76	1,500,829.53	0.00	0.00	0.00	3,426,414.40
1989	14,647.25	0.00	187,015.22	0.00	375,064.19	91,236.57	0.00	0.00	1,113.97	669,077.20
1990	0.00	5,566.96	165,406.52	0.00	313,413.43	10,127.91	0.00	0.00	3,015.40	497,530.22
1991	16,694.54	0.00	22,363.34	0.00	320,427.76	58,253.11	0.00	0.00	6,908.16	424,646.91
1992	391.77	0.00	32,652.18	0.00	404,513.81	58,366.32	0.00	0.00	0.00	495,924.08
1993	1,139,182.15	0.00	450,230.71	0.00	1,497,726.39	1,564,499.00	0.00	0.00	0.00	4,651,638.25
1994	559,024.64	22,971.42	68,462.85	0.00	328,705.67	62,836.06	0.00	0.00	10,622.94	1,052,623.58
1995	0.00	0.00	38,570.62	0.00	105,310.72	147,016.99	0.00	0.00	0.00	290,898.33
1996	12,216.10	0.00	469,922.82	0.00	60,177.02	(209,101.66)	0.00	0.00	8,428.10	341,642.38
Pre-1997	14,062,099.43	1,650,782.70	13,038,004.29	9,633,353.29	26,178,672.66	23,262,425.15	0.00	0.00	701,048.17	88,526,385.70
1997	16,059.00	0.00	166,533.03	0.00	0.00	0.00	0.00	0.00	0.00	182,592.03
1998	0.00	0.00	180,500.93	0.00	34,083.95	4,290.69	0.00	0.00	0.00	218,875.57
1999	0.00	0.00	469,871.03	0.00	435,301.73	35,742.50	0.00	0.00	0.00	940,915.26
2000	2,048.65	0.00	57,100.84	0.00	600,090.39	99,376.72	0.00	0.00	0.00	758,616.59
2001	1,850.00	0.00	1,203,812.01	0.00	1,939,565.20	986,743.91	0.00	0.00	0.00	4,131,971.12
2002	17.06	50,855.44	2,023,271.76	0.00	1,323,131.65	340,583.63	0.00	0.00	0.00	3,737,859.54
2003	984,130.03	120,922.26	13,672,076.60	0.00	3,907,008.02	1,490,494.91	0.00	0.00	0.00	20,174,631.82
2004	840,294.21	870,370.11	16,816,273.36	0.00	2,690,432.38	941,348.68	0.00	0.00	0.00	22,158,718.74
2005	731,133.17	1,100,579.93	12,936,236.07	0.00	3,316,986.24	1,516,010.48	0.00	0.00	0.00	19,600,945.89
2006	533,133.16	417,670.90	14,220,113.85	0.00	4,334,388.25	1,775,394.93	0.00	0.00	0.00	21,280,701.09
2007	5,012.50	416,869.30	21,018,019.59	48,014.31	17,662,667.30	4,424,350.60	0.00	0.00	0.00	43,574,933.60
2008	0.00	8,948,645.80	49,768,512.01	23,769.94	7,630,645.96	4,633,690.33	0.00	0.00	0.00	71,005,264.04
2009	5,203.01	2,028,318.83	47,176,233.46	0.00	7,022,272.21	10,283,506.03	0.00	0.00	7,337.13	66,522,870.67
2010	2,166,323.01	952,033.03	12,726,129.84	0.00	5,977,324.45	1,707,037.62	0.00	0.00	23,143.45	23,551,991.40
2011	0.00	2,802,635.18	45,419,821.41	0.00	9,254,001.57	4,314,132.61	0.00	0.00	58,909.77	61,849,500.54
2012	108,410.33	18,517,335.52	11,250,457.45	0.00	8,358,440.83	2,958,181.31	0.00	0.00	2,215.13	41,195,040.57
2013	413,294.95	33,629,931.47	22,464,198.93	0.00	20,876,204.16	2,418,612.47	0.00	0.00	7,222.18	79,809,464.16
Post-1996	5,806,909.07	69,856,167.77	271,569,162.15	71,784.25	95,362,544.29	37,929,497.42	0.00	0.00	98,827.66	480,694,892.62
Grand Total	19,869,008.50	71,506,950.48	284,607,166.45	9,705,137.54	121,541,216.95	61,191,922.57	0.00	0.00	799,875.83	569,221,278.32

Western Massachusetts Electric Company

Attachment A2

Substations and Lines

PTF Investment as of 12/31/13 (101 + 106)

	350	352	353	354	355	356	357	358	359	Grand Total
1979 + PRIOR	9,200,401.31	1,308,331.39	12,935,933.39	894,500.25	9,230,521.04	12,720,018.44	-	-	5,614.05	46,295,319.86
1980	1,449.53	-	1,098,945.90	-	-	1,909.38	-	-	-	1,102,304.81
1981	12,424.35	-	124,091.55	-	-	-	-	-	-	136,515.90
1982	50,999.36	-	266,122.88	-	-	13,901.64	-	-	-	331,023.88
1983	-	15,300.56	54,883.12	-	-	-	-	-	-	70,183.68
1984	73,847.45	-	1,078,068.16	-	26,396.17	92,762.53	-	-	-	1,271,074.31
1985	199,055.53	17,437.12	67,255.47	-	40,356.20	10,366.45	-	-	-	334,470.77
1986	-	-	365,951.29	-	-	61,388.46	-	-	-	427,339.75
1987	2,043.94	-	190,111.63	-	-	37,797.17	-	-	-	229,952.74
1988	1,125.58	-	601,121.09	-	39,865.01	33,013.71	-	-	25,912.84	701,038.23
1989	1,477.73	-	150,274.22	-	358,973.63	113,378.48	-	-	-	624,104.06
1990	9,163.43	-	21,366.08	-	97,580.99	28,009.37	-	-	-	156,119.87
1991	-	-	113,252.79	-	249,560.35	92,439.47	-	-	-	455,252.61
1992	-	-	353,129.03	-	183,464.03	15,808.38	-	-	-	552,401.44
1993	-	-	138,279.75	-	31,810.33	289,806.41	-	-	-	459,896.49
1994	-	22,086.54	21,248.13	-	134,481.31	45,255.98	-	-	-	223,071.95
1995	-	-	22,347.86	-	781.40	-	-	-	-	23,129.26
1996	-	16,412.76	-	-	-	213,574.66	-	-	-	229,987.42
Pre-1997	9,551,988.21	1,379,568.36	17,602,382.34	894,500.25	10,393,790.46	13,769,430.53	-	-	31,526.89	53,623,187.04
1997	-	-	384,094.55	-	414,195.88	885,828.36	-	-	-	1,684,118.79
1998	15,233.06	-	18,704.50	-	-	-	-	-	-	33,937.56
1999	-	-	1,737,401.32	-	1,918,025.30	2,252,079.42	-	-	-	5,907,506.04
2000	-	2,488.27	153,554.55	-	25,815.66	-	-	-	25,475.05	207,333.53
2001	-	-	1,969,495.00	-	13,159.84	95,408.84	-	-	-	2,078,063.68
2002	-	77,480.18	3,220,550.80	-	293,740.57	66,730.45	-	-	-	3,658,502.00
2003	-	-	1,916,183.19	-	-	-	-	-	-	1,916,183.19
2004	-	61,210.48	5,312,475.04	-	317,630.33	138,799.22	-	-	4,668.80	5,834,783.87
2005	-	52,214.30	7,413,912.85	-	49,026.42	-	-	-	-	7,515,153.57
2006	-	-	7,684,802.10	-	458,963.84	169,031.15	-	-	22,539.43	8,335,336.52
2007	900.03	-	6,612,525.62	-	198,528.56	686,951.86	-	-	4,728.76	7,503,634.82
2008	1,346,430.67	88,764.64	5,819,233.97	-	4,056,325.76	373,039.45	-	-	12,386.05	11,696,180.54
2009	10,041,354.92	310,170.46	8,900,279.73	-	8,034,339.86	1,151,429.18	-	-	-	28,437,574.16
2010	5,441,483.30	-	9,209,471.99	-	10,680,985.28	480,184.14	-	-	5,885.39	25,818,010.10
2011	828,727.06	4,847,381.95	23,036,231.14	-	14,729,058.26	1,726,535.16	-	-	47,002.18	45,214,935.75
2012	1,002,748.58	4,343,314.76	100,237,389.64	755,945.33	132,086,217.27	76,606,547.00	-	-	866,765.97	315,898,928.55
2013	980,018.87	-	104,146,482.49	-	26,684,970.73	92,806,798.81	-	-	5,353.81	224,623,624.71
Post-1996	19,656,896.49	9,783,025.05	287,772,788.48	755,945.33	199,960,983.56	177,439,363.04	-	-	994,805.44	696,363,807.39
Grand Total	29,208,884.70	11,162,593.41	305,375,170.82	1,650,445.58	210,354,774.02	191,208,793.57	0.00	0.00	1,026,332.33	749,986,994.43

Transmission Related Taxes and Fees								
Calendar Year 2013								
Ln.	Tax - Description	CL&P	PSNH	WMECO	TOTAL	Reference From		
1	CT Gross Earnings Tax	12,304,126	-	-	12,304,126	FF1 page 262 FN		
2	CT Insurance Premium Excise Tax	49,770	10,986	9,151	69,907			
3	NH Excise Tax	-	-	-	-			
4	Fed. Excise Tax	-	-	-	-			
5	Mass. Excise Tax	27	6	8	41			
6	Corporation Business Tax	-	-	671	671			
7	MA Sales Tax	-	-	867	867			
8	CT Sales Tax	(51,164)	(13,181)	(16,721)	(81,066)			
9	NH Business Enterprise Tax	19,555	124,984	5,573	150,112			
10	NY Business Franchise Tax	-	-	-	-			
11	Federal Highway use Tax	-	-	-	-			
12	TOTAL (sum of lines 1 to 11)	12,322,314	122,795	(451)	12,444,658	To Total RR Wksht 1		
13	Pre-97 %	12.3429%	14.3959%	6.6658%		Worksheet 5A (Pre-1997)		
14	Total Pre-97 Related Exp. (line 12x13)	1,520,931	17,677	(30)	1,538,578	To Worksheet 1A line 26		
15	Post-96 %	76.0788%	78.1693%	86.5635%		Worksheet 5B (Post-1996)		
16	Total Post-96 Related Exp. (line 12x15)	9,374,669	95,988	(390)	9,470,267	To Worksheet 1B line 27		
Note:								
(a)	The purpose of this section of the tariff is to recover any taxes and fees not recovered through payroll taxes or income taxes (cannot recover income							
(b)	See W/Ps M-1 through M-3 for an explanation of allowable taxes and fees in this calculation.							

CL+P RSP INVESTMENT BY TOTAL TRANSMISSION AT 12-31-13				
		Values		
Work Order in Service Y	Plant A/C	Sum of Gross Plant	Sum of Accum Depr	Sum of Net Plant
2004	35002	423,777.17	52,112.59	371,664.58
	35016	1,695,586.15	0.00	1,695,586.15
	352	1,161,779.38	278,849.87	882,929.51
	353	51,383,047.95	8,271,750.92	43,111,297.03
	355	233,478.02	81,424.70	152,053.32
	356	163,768.35	48,162.83	115,605.52
	357	1,058,908.61	159,179.04	899,729.57
	358	1,180,509.94	95,959.12	1,084,550.82
2004 Total		57,300,855.57	8,987,439.07	48,313,416.50
2005	35002	2,561,861.43	286,391.57	2,275,469.86
	35017	170,266.76	19,034.19	151,232.57
	352	4,433,913.69	956,830.29	3,477,083.40
	353	66,806,609.29	9,831,306.72	56,975,302.57
	355	2,569,188.47	800,894.51	1,768,293.96
	356	2,669,039.42	697,695.87	1,971,343.55
	357	28,257,370.72	3,904,445.81	24,352,924.91
	358	15,870,901.39	1,237,339.44	14,633,561.95
2005 Total		123,339,151.17	17,733,938.40	105,605,212.77
2006	35001	667,786.66	0.00	667,786.66
	35002	8,917,122.27	894,153.63	8,022,968.64
	35016	4,512,744.67	0.00	4,512,744.67
	352	13,705,111.23	2,623,538.33	11,081,572.90
	353	91,895,255.14	12,204,789.88	79,690,465.26
	355	17,448,331.55	4,793,920.19	12,654,411.36
	356	5,483,973.68	1,255,632.15	4,228,341.53
	357	37,649,206.97	4,722,958.98	32,926,247.99
	358	120,775,361.04	8,961,109.07	111,814,251.97
	359	3,909,140.72	416,433.23	3,492,707.49
2006 Total		304,964,033.93	35,872,535.46	269,091,498.47
2007	35001	118,049.25	0.00	118,049.25
	35002	10,866,768.33	960,538.66	9,906,229.67
	35017	166,659.89	14,731.45	151,928.44
	352	3,742,331.09	624,652.66	3,117,678.43
	353	57,813,379.60	6,813,766.40	50,999,613.20
	355	75,596,878.67	17,982,019.35	57,614,859.32
	356	35,126,140.04	6,915,738.76	28,210,401.28
	357	4,506,847.28	504,966.64	4,001,880.64
	358	3,414,117.22	238,494.70	3,175,622.52
2007 Total		191,351,171.37	34,054,908.62	157,296,262.75
2008	35001	197,750.88	0.00	197,750.88
	35002	646,688.13	49,222.83	597,465.30
	35017	410,775.47	31,266.28	379,509.19
	352	9,329,723.89	1,327,219.28	8,002,504.61
	353	192,071,671.89	19,637,899.41	172,433,772.48
	354	75,434.70	11,571.90	63,862.80
	355	102,128,386.78	20,537,754.07	81,590,632.71
	356	52,280,472.91	8,639,044.96	43,641,427.95
	357	394,602,654.40	35,827,943.65	358,774,710.75
	358	310,195,192.31	24,955,828.77	285,239,363.54
359	18,115,551.80	1,443,571.45	16,671,980.35	
2008 Total		1,080,054,303.16	112,461,322.60	967,592,980.56
2009	35002	1,962,326.02	124,432.11	1,837,893.91
	353	370,039.18	31,774.30	338,264.88
2009 Total		2,332,365.20	156,206.41	2,176,158.79
2010	35002	605,307.25	30,413.31	574,893.94
2010 Total		605,307.25	30,413.31	574,893.94
2011	35002	433,543.46	15,859.66	417,683.80
2011 Total		433,543.46	15,859.66	417,683.80
Grand Total		1,760,380,731.11	209,312,623.53	1,551,068,107.58

PSNH RSP INVESTMENT BY PLANT ACCOUNT AT 12-31-13

		Values		
Plant A/C	Work Order in Serv	Sum of Gross Plant2	Sum of Accum. Depr.2	Sum of Net Plant2
35017	2007	5,012.50	0.00	5,012.50
35017 Total		5,012.50	0.00	5,012.50
352	2006	401,937.67	42,686.85	359,250.82
	2007	416,869.30	39,290.12	377,579.18
	2008	8,203,611.74	670,478.57	7,533,133.17
352 Total		9,022,418.71	752,455.54	8,269,963.17
353	2004	14,069,510.91	2,221,574.78	11,847,936.13
	2005	5,432,171.26	785,590.98	4,646,580.28
	2006	11,488,410.15	1,502,239.45	9,986,170.70
	2007	14,237,722.52	1,655,434.53	12,582,287.99
	2008	36,228,117.45	3,660,959.94	32,567,157.52
353 Total		81,455,932.30	9,825,799.68	71,630,132.62
355	2004	1,684,384.08	393,670.09	1,290,713.99
	2005	145,459.57	30,555.32	114,904.25
	2006	3,091,882.44	575,876.99	2,516,005.45
	2007	16,838,977.22	2,732,828.59	14,106,148.63
	2008	3,905,123.42	539,514.33	3,365,609.09
355 Total		25,665,826.73	4,272,445.32	21,393,381.41
356	2004	741,149.36	186,998.65	554,150.71
	2005	38,143.60	8,461.49	29,682.11
	2006	1,555,946.54	299,023.52	1,256,923.02
	2007	4,126,890.94	674,541.97	3,452,348.97
	2008	1,669,751.37	226,621.55	1,443,129.82
356 Total		8,131,881.81	1,395,647.18	6,736,234.63
Grand Total		124,281,072.05	16,246,347.72	108,034,724.33

WMECO RSP INVESTMENT BY PLANT ACCT 12-31-13

		Data		
Plant A/C	Work Order	Sum of Gross Plant2	Sum of Accum Depr2	Sum of Net Plant2
353	2004	3,577,849.67	529,440.18	3,048,409.49
	2005	3,055,668.68	417,562.08	2,638,106.60
	2006	4,654,941.92	579,961.68	4,074,980.24
	2008	1,095,892.69	107,297.77	988,594.92
353 Total		12,384,352.96	1,634,261.70	10,750,091.25
Grand Total		12,384,352.96	1,634,261.70	10,750,091.25

CL+P ADVANCED TECHNOLOGY INVESTMENT AT 12-31-13							
2013 ADVANCED TECHNOLOGY INVESTMENT							
Work Order	Work Order Description	Asset Description	Plant A/C	Work Order In Service Year	Gross Plant	Accum. Depr.	Net Plant
40291601	MN 345KV SEG1 BESECK SWITCH STATION	(7) - 345kV Breaker Condition Monitors	35389	2007	214,782.79	25,313.86	189,468.93
40292501	MN 345KV SEGMENT 2 EAST DEVON S/S-115KV WORK	(7) - 115kV Breaker Condition Monitors	35389	2008	242,950.15	24,839.85	218,110.30
40292502	MN 345KV SEGMENT 2 EAST DEVON S/S-345KV WORK	(7) - 345kV Breaker Condition Monitors	35389	2008	155,527.35	15,901.51	139,625.84
40292503	MN 345KV SEGMENT 2 EAST DEVON S/S-AUTOS	(3) - Single phase units DRMCC monitors	35389	2008	167,348.48	17,110.14	150,238.34
40292503	MN 345KV SEGMENT 2 EAST DEVON S/S-AUTOS	(3) - Single phase units DRMCC monitors	35389	2008	131,699.72	13,465.32	118,234.40
40293001	MN 345KV SEGMENT 3 EAST DEVON TO SINGER	Underground 345kV XLPE Double Circuit including the cost of undergrounding	357	2008	29,727,273.87	2,909,203.75	26,818,070.12
40293001	MN 345KV SEGMENT 3 EAST DEVON TO SINGER	Underground 345kV XLPE Double Circuit including the cost of undergrounding	358	2008	20,921,098.89	1,354,775.45	19,566,323.44
40293801	MN 345KV SEG 3 ROW EASEMENTS	EASEMENT: UB DOCKSIDE, LLC, 955 FERRY BLVD, STRATFORD, CT; LL601	35002	2007	159,437.18	14,093.02	145,344.16
40293802	MN 345KV SEG 3 ROW EASEMENTS	Easements	35002	2007	329,790.68	29,150.98	300,639.70
40293803	BRIDGEPORT 2006 ACQUIRED EASEMENTS SEG 3 MN345K	Easements	35002	2006	551,702.94	55,321.34	496,381.60
40293804	MN 345KV SEG 3 ROW EASEMENT LL 430_BRIDGEPORT	Easements	35002	2009	170,502.97	10,811.68	159,691.29
40293805	MN 345KV SEG 3 ROW EASEMENT LL 430.01 BRIDGEP	Easements	35002	2009	53,105.96	3,367.48	49,738.48
40293806	MN 345KV SEG 3 ROW EASEMENT LL 437 BRIDGEPORT	Easements	35002	2010	93,861.12	4,716.00	89,145.12
40293807	MN 345KV SEG 3 ROW EASEMENT LL 442 & 443	Easements	35002	2009	54,542.04	3,458.54	51,083.50
40293808	MN 345KV SEG 3 ROW EASEMENT LL 444 BRIDGEPORT	Easements	35002	2010	19,780.99	993.88	18,787.11
40293809	MN 345KV SEG 3 ROW EASEMENT LL 451.02 B'PORT	Easements	35002	2009	14,681.15	930.94	13,750.21
40294001	MN 345KV SEGMENT 4 SINGER TO NORWALK	Underground 345kV XLPE Double Circuit including the cost of undergrounding	357	2008	212,508,482.65	20,796,743.14	191,711,739.52
40294001	MN 345KV SEGMENT 4 SINGER TO NORWALK	Underground 345kV XLPE Double Circuit including the cost of undergrounding	358	2008	138,709,593.20	8,982,336.66	129,727,256.54
40294501	MN 345KV SEGMENT 4 NORWALK SS	(3) - Single phase units DRMCC monitors	35389	2008	88,159.73	9,013.68	79,146.06
40294501	MN 345KV SEGMENT 4 NORWALK SS	(3) - Single phase units DRMCC monitors	35389	2008	276,984.31	28,319.59	248,664.72
40294501	MN 345KV SEGMENT 4 NORWALK SS	(3) - Single phase units DRMCC monitors	35389	2008	132,244.65	13,521.03	118,723.62
402945AT	MN 345KV SEGMENT 4 NORWALK SS_SHUNT REACTORS	(2) - 345kV Shunt Reactor foundations	35389	2008	7,967,373.18	814,604.63	7,152,768.55
40294801	MN 345KV SEG 4 ROW EASEMENTS	Easements	35002	2007	832,242.54	73,563.83	758,678.71
40294802	MN 345KV SEG 4 ROW EASEMENTS	Easements	35002	2007	1,969,149.47	174,057.65	1,795,091.82
40294803	MN 345KV SEG 4 ROW EASEMENTS	Easements	35002	2007	1,100,725.15	97,295.65	1,003,429.50
40294804	FAIRFIELD 2006 ACQUIRED EASEMENTS MN345KV SEG4	Easements	35002	2006	1,276,433.81	127,992.86	1,148,440.95
40294805	WESTPORT 2006 EASEMENTS ACQUIRED MN345KV SEG4	Easements	35002	2006	1,471,790.40	147,582.00	1,324,208.40
40294806	NORWALK 2006 EASEMENTS ACQUIRED MN345KV SEG 4	Easements	35002	2006	871,657.40	87,404.39	784,253.01
40294807	MN 345KV SEG 4 ROW EASEMENT LL 421 FAIRFIELD	Easements	35002	2009	172,772.58	10,955.60	161,816.98
40294812	MN 345KV SEG 4 ROW EASEMENT LL 518 WESTPORT	Easements	35002	2010	146,494.92	7,360.55	139,134.37
40294813	MN 345KV SEG 4 ROW EASEMENT LL 520 WESTPORT	Easements	35002	2009	70,682.00	4,481.98	66,200.02
40294814	MN 345KV SEG 4 ROW EASEMENT LL 523 WESTPORT	Easements	35002	2010	97,312.09	4,889.39	92,422.70
40294815	MN 345KV SEG 4 ROW EASEMENT LL 541 WESTPORT	Easements	35002	2010	91,794.06	4,612.14	87,181.92
40294816	MN 345KV SEG 4 ROW EASEMENT LL 543.01 WESTPOR	Easements	35002	2008	21,606.96	1,644.62	19,962.34
40294817	MN 345KV SEG 4 ROW EASEMENT LL 515 NORWALK	Easements	35002	2011	232,761.22	8,514.75	224,246.47
40294818	MN 345KV SEG 4 ROW EASEMENT LL 516 NORWALK	Easements	35002	2011	200,782.24	7,344.91	193,437.33
40294819	MN 345KV SEG 4 ROW EASEMENT LL 543.01 WESTPOR	Easements	35002	2010	156,064.07	7,841.35	148,222.72
Grand Total		TOTAL CL+P ADVANCED TECHNOLOGY ADDITIONS AT 12-31-13			421,403,192.91	35,893,534.13	385,509,658.78

CL&P/WMECO NEEWS Investment Balances as of 12-31-13								
Company	Work Order	Work Order Description	G/L A/C	Plant A/C	Work Order In Service	Gross Plant	Accum Depr	Net Plant
CL&P	40283015	NEEWS: N. BLOOMFIELD G02A MODS 115KV SIDE	10601	353	2013	3,728,981.91	40,183.29	3,688,798.62
	40283042	N. BLOOMFIELD-LINE 3642 TIE IN_(345KV)	10101	355	2013	685,955.58	12,607.36	673,348.22
	40283042	N. BLOOMFIELD-LINE 3642 TIE IN_(345KV)	10101	356	2013	177,219.94	2,594.18	174,625.76
	40283042	N. BLOOMFIELD-LINE 3642 TIE IN_(345KV)	10101	353	2013	16,270.27	175.33	16,094.94
	40283068	GRANBY JCT-REPLACE ONE STRUCTURE-115KV	10101	355	2013	393,723.18	7,236.34	386,486.84
	40283068	GRANBY JCT-REPLACE ONE STRUCTURE-115KV	10101	356	2013	116,102.30	1,699.53	114,402.77
	4028307X	NEEWS: N. BLOOMFIELD AUTO XFRMR 2A-7X 3 UNITS	10101	353	2013	8,734,773.18	94,125.39	8,640,647.79
	4028307X	NEEWS: N. BLOOMFIELD AUTO XFRMR 2A-7X 3 UNITS	10101	352	2013	258,211.06	3,550.18	254,660.88
	402830BB	CT/MA BORDER TO N. BLOOMFIELD CIRCUIT 3216	10601	355	2013	40,161,413.40	738,137.46	39,423,275.94
	402830BB	CT/MA BORDER TO N. BLOOMFIELD CIRCUIT 3216	10601	356	2013	5,131,419.62	75,114.85	5,056,304.77
	402830BB	CT/MA BORDER TO N. BLOOMFIELD CIRCUIT 3216	10601	359	2013	10,754,082.10	82,249.47	10,671,832.63
	402830BB	CT/MA BORDER TO N. BLOOMFIELD CIRCUIT 3216	10601	353	2013	1,130,862.07	12,186.10	1,118,675.97
	402830CB	NEEWS: N. BLOOMFIELD 115KV CAPACITOR BANKS	10101	353	2012	765,268.80	23,915.85	741,352.95
	402830NB	NEEWS: N. BLOOMFIELD G02A MODS 345KV SIDE	10601	353	2013	42,191,227.68	454,650.14	41,736,577.54
	40329001	REALIGN 115KV CKT. 1448	10601	355	2012	432,263.83	23,757.02	408,506.81
	40329001	REALIGN 115KV CKT. 1448	10601	356	2012	232,133.01	10,194.62	221,938.39
	40329002	345KV 3642 LINE,RECONFIGURE 345KV-3557 LINE	10601	356	2012	13,451,694.96	590,760.11	12,860,934.85
	40329003	REALIGN 1763/1310 115KV DOUBLE CIRCUIT POLES	10101	355	2012	2,262,453.67	124,343.43	2,138,110.24
	40329003	REALIGN 1763/1310 115KV DOUBLE CIRCUIT POLES	10101	356	2012	471,613.78	20,711.93	450,901.85
	403290MR	MANCHESTER S/S MODS,345KV 3642 LINE TIE-IN	10101	353	2012	4,520,256.79	141,265.06	4,378,991.73
	40329301	REBUILD #353 345KV LINE FROM KLEEN TO WRJ	10101	355	2010	1,423,289.38	182,041.44	1,241,247.94
	40329301	REBUILD #353 345KV LINE FROM KLEEN TO WRJ	10101	356	2010	350,026.97	36,237.28	313,789.69
	40330401	310/368 LINE SEPARATION	10101	355	2010	6,164,599.96	788,464.11	5,376,135.85
	40330401	310/368 LINE SEPARATION	10101	356	2010	1,792,942.46	185,618.17	1,607,324.29
	40330402	310/368 LINE REBUILD/SEPARATION	10101	355	2010	429,763.61	54,967.59	374,796.02
	40330402	310/368 LINE REBUILD/SEPARATION	10101	356	2010	5,149.68	533.13	4,616.55
	40330403	310/368 LINE REBUILD/SEPARATION	10101	355	2010	1,271,935.06	162,682.92	1,109,252.14
	40330403	310/368 LINE REBUILD/SEPARATION	10101	356	2010	194,030.91	20,087.45	173,943.46
	40330404	310/368 LINE REBUILD MANCHESTER 345KV SS MODS	10101	353	2011	259,023.38	13,080.84	245,942.54
	40330404	310/368 LINE REBUILD MANCHESTER 345KV SS MODS	10101	352	2011	118,062.71	7,872.43	110,190.28
	40330405	INSTALL STRUCTURE 10006 FOR 368 LINE	10101	355	2011	598,120.60	54,686.50	543,434.10
	40330405	INSTALL STRUCTURE 10006 FOR 368 LINE	10101	356	2011	677.18	49.77	627.41
	403326AA	LINE 1163 2609 MOUNTAIN ROAD, W.SUFFIELD,CT	10101	35002	2011	498,919.85	18,251.22	480,668.63
	403326AB	LINE 1201 RATLEY RD, LOT 40, W.SUFFIELD,CT	10601	35001	2013	479,115.54	0.00	479,115.54
	403326AC	LINE 1202 RATLEY RD, LOT 41, W.SUFFIELD,CT	10601	35001	2013	286,766.17	0.00	286,766.17
	403326AG	1007.00 PURCHASE LAND IN BLOOMFIELD,CT	10101	35001	2012	275,700.41	0.00	275,700.41
	403326AG	1007.00 PURCHASE LAND IN BLOOMFIELD,CT	10101	35002	2012	113.49	2.54	110.95
	40342401	MANCHESTER-REPLACE BREAKERS 4T AND 11T	10101	353	2013	608,516.14	6,557.34	601,958.80
	403694AW	NEEWS MANCHESTER-MEEKVILLE JCT LAND ACQUIS	10101	35002	2011	113,478.35	4,151.20	109,327.15

CL&P/WMECO NEEWS Investment Balances as of 12-31-13								
Company	Work Order	Work Order Description	G/L A/C	Plant A/C	Work Order In Service	Gross Plant	Accum Depr	Net Plant
	403694CR	NEEWS MANCHESTER-MEEKVILLE JCT LAND ACQUIS	10101	35002	2011	36,730.36	1,343.65	35,386.71
	403694JC	NEEWS MANCHESTER-MEEKVILLE JCT LAND ACQUIS	10101	35002	2011	145,395.25	5,318.77	140,076.48
	40373901	1410 LINE UPRATE MONTVILLE TO BUDDINGTON	10101	355	2012	1,077,550.70	59,221.68	1,018,329.02
	40373901	1410 LINE UPRATE MONTVILLE TO BUDDINGTON	10101	356	2012	207,645.25	9,119.19	198,526.06
	40385584	LINE 1784-RECONDUCTOR/N. BLOOMFIELD/SIMSBURY	10601	356	2013	2,950,067.44	43,183.74	2,906,883.70
	40385901	BESECK-INSTALL 75-150 MVAR SHUNT REACTOR	10601	353	2013	6,526,293.23	70,326.94	6,455,966.29
	40387101	N. BLOOMFIELD SS SERIES REACTOR UPGRADE	10601	353	2013	342,457.05	3,690.30	338,766.75
CL&P Total						161,772,298.26	4,186,945.84	157,585,352.42
WMECO	40295215	NEEWS: LINE 1515 TIE IN TO LUDLOW SS	10101	355	2012	547,866.49	15,633.80	532,232.69
	40295215	NEEWS: LINE 1515 TIE IN TO LUDLOW SS	10101	356	2012	152,515.91	4,500.00	148,015.91
	40295216	NEEWS: LINE 1601 FAIRMONT/SHAWINIGAN (GRP 2)	10601	355	2013	10,007,166.17	113,221.88	9,893,944.29
	40295218	NEEWS: LINE 1803 FAIRMONT TO CADWELL (GRP 2)	10601	355	2013	11,590,875.85	131,140.10	11,459,735.75
	40295227	LINE 1327-FAIRMONT TO PINESHED	10601	356	2013	746,808.38	8,561.25	738,247.13
	40295228	LINE 1428-FAIRMONT TO MT. TOM	10601	356	2013	752,360.39	8,624.90	743,735.49
	40295230	NEEWS: LINE 301 TIE IN TO LUDLOW SS	10101	355	2012	1,198,934.84	34,212.55	1,164,722.29
	40295230	NEEWS: LINE 301 TIE IN TO LUDLOW SS	10101	356	2012	517,153.59	15,258.71	501,894.88
	40295230	NEEWS: LINE 301 TIE IN TO LUDLOW SS	10101	359	2012	14,735.54	307.99	14,427.55
	40295234	NEEWS: LINE 3419 TIE IN TO LUDLOW SS	10601	355	2012	782,782.31	22,337.31	760,445.00
	40295234	NEEWS: LINE 3419 TIE IN TO LUDLOW SS	10601	356	2012	204,044.37	6,020.36	198,024.01
	40295234	NEEWS: LINE 3419 TIE IN TO LUDLOW SS	10601	353	2012	47,880.86	1,487.57	46,393.29
	40295245	LINE 1645-REBUILD/RECONDUCTOR FOR NEEWS	10601	355	2012	131,007.74	3,738.41	127,269.33
	40295245	LINE 1645-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	70,286.49	2,073.81	68,212.68
	40295245	LINE 1645-REBUILD/RECONDUCTOR FOR NEEWS	10601	353	2012	14,200.05	441.17	13,758.88
	40295256	LINE 1556-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2013	468,653.90	5,372.55	463,281.35
	40295268	LINE 1768-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2013	7,467,298.48	85,603.54	7,381,694.94
	40295281	LINE 1781-REBUILD/RECONDUCTOR FOR NEEWS	10101	355	2012	9,461,747.62	269,998.45	9,191,749.17
	40295281	LINE 1781-REBUILD/RECONDUCTOR FOR NEEWS	10101	356	2012	2,389,948.67	70,515.85	2,319,432.82
	40295281	LINE 1781-REBUILD/RECONDUCTOR FOR NEEWS	10101	353	2012	50,539.26	1,570.17	48,969.09
	40295282	LINE 1782-REBUILD/RECONDUCTOR FOR NEEWS	10101	355	2012	6,842,284.27	195,249.98	6,647,034.29
	40295282	LINE 1782-REBUILD/RECONDUCTOR FOR NEEWS	10101	356	2012	2,496,064.17	73,646.80	2,422,417.37
	40295296	NEEWS: LINE 3196 AGAWAM TO LUDLOW (GROUP 2)	10601	355	2012	33,371,191.18	952,273.30	32,418,917.88
	402952A2	NEEWS: AGAWAM AUTO XFMR 16C-2X 3 UNITS	10101	353	2012	7,544,545.94	234,395.44	7,310,150.50
	402952A2	NEEWS: AGAWAM AUTO XFMR 16C-2X 3 UNITS	10101	352	2012	275,962.27	9,388.77	266,573.50
	402952A3	NEEWS: AGAWAM AUTO XFMR 16C-3X 3 UNITS	10101	353	2012	7,482,127.62	232,456.23	7,249,671.39
	402952A3	NEEWS: AGAWAM AUTO XFMR 16C-3X 3 UNITS	10101	352	2012	206,682.13	7,031.72	199,650.41
	402952A5	NEEWS: AGAWAM G16C SS MODS-115KV SIDE OF SS	10101	353	2012	15,926,469.62	494,806.73	15,431,662.89
	402952AB	NEEWS: AGAWAM 115KV CAPACITOR BANKS	10101	353	2011	3,600,017.43	179,242.09	3,420,775.34
	402952AG	NEEWS: AGAWAM G16C SS MODS-345KV SIDE OF SS	10101	353	2012	37,367,814.63	1,160,950.75	36,206,863.88
	402952AG	NEEWS: AGAWAM G16C SS MODS-345KV SIDE OF SS	10101	352	2012	2,881,165.27	98,022.76	2,783,142.51
	402952AL	LINE 3196-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	48,275,083.93	1,424,364.56	46,850,719.37

CL&P/WMECO NEEWS Investment Balances as of 12-31-13								
Company	Work Order	Work Order Description	G/L A/C	Plant A/C	Work Order In Service	Gross Plant	Accum Depr	Net Plant
	402952AP	LINE 1230-REBUILD/RECONDUCTOR FOR NEEWS	10101	355	2012	6,209,742.49	177,199.92	6,032,542.57
	402952AP	LINE 1230-REBUILD/RECONDUCTOR FOR NEEWS	10101	356	2012	2,338,454.87	68,996.51	2,269,458.36
	402952AP	LINE 1230-REBUILD/RECONDUCTOR FOR NEEWS	10101	353	2012	31,042.66	964.44	30,078.22
	402952BA	CT/MA BORDER TO AGAWAM CIRCUIT 3216	10601	356	2013	28,803,758.22	330,200.24	28,473,557.98
	402952BR	NEEWS: BRECKWOOD J20A SS MODIFICATIONS	10601	353	2013	1,328,936.25	14,330.32	1,314,605.93
	402952CA	LINE 1314-REBUILD/RECONDUCTOR FOR NEEWS	10101	355	2012	20,380,752.45	581,580.85	19,799,171.60
	402952CA	LINE 1314-REBUILD/RECONDUCTOR FOR NEEWS	10101	356	2012	6,162,535.23	181,826.65	5,980,708.58
	402952CA	LINE 1314-REBUILD/RECONDUCTOR FOR NEEWS	10101	353	2012	33,832.68	1,051.12	32,781.56
	402952CD	NEEWS: CARDWELL G50F SS MODIFICATIONS	10101	35323	2011	1,083,982.01	53,970.63	1,030,011.38
	402952CD	NEEWS: CARDWELL G50F SS MODIFICATIONS	10101	353	2011	15,376,414.82	765,579.82	14,610,835.00
	402952CD	NEEWS: CARDWELL G50F SS MODIFICATIONS	10101	352	2011	4,283,566.12	240,844.75	4,042,721.37
	402952CF	LINE 1702-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2013	5,932,551.87	68,009.53	5,864,542.34
	402952CH	NEEWS: CHICOPEE J18L SS MODIFICATIONS	10601	353	2013	2,324,509.83	25,065.89	2,299,443.94
	402952CL	LINE 1481-REBUILD/RECONDUCTOR FOR NEEWS	10101	354	2012	99,325.58	3,395.39	95,930.19
	402952CL	LINE 1481-REBUILD/RECONDUCTOR FOR NEEWS	10101	355	2012	6,049,839.47	172,636.95	5,877,202.52
	402952CL	LINE 1481-REBUILD/RECONDUCTOR FOR NEEWS	10101	356	2012	4,705,944.12	138,849.68	4,567,094.44
	402952CL	LINE 1481-REBUILD/RECONDUCTOR FOR NEEWS	10101	359	2012	274,779.09	5,743.13	269,035.96
	402952CL	LINE 1481-REBUILD/RECONDUCTOR FOR NEEWS	10101	353	2012	17,033.56	529.20	16,504.36
	402952CR	LINE 1426-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2013	5,505,370.30	63,112.41	5,442,257.89
	402952ES	NEEWS: E. SPRINGFIELD SS MODIFICATIONS	10601	353	2013	1,220,536.80	13,161.41	1,207,375.39
	402952FA	LINE 1134-FAIRMONT TO AMHERST	10601	356	2013	431,027.45	4,941.21	426,086.24
	402952FC	LINE 1803-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2013	6,950,358.54	79,677.45	6,870,681.09
	402952FH	LINE 1525-FAIRMONT TO HOLYOKE	10601	356	2013	383,865.37	4,400.55	379,464.82
	402952FM	NEEWS: FAIRMONT G16H SS MODIFICATIONS	10601	353	2013	39,550,798.76	426,488.13	39,124,310.63
	402952FP	LINE 1113-FAIRMONT TO PROSPECT	10601	356	2013	306,997.63	3,519.36	303,478.27
	402952FS	LINE 1601-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2013	8,485,407.63	97,274.93	8,388,132.70
	402952L3	NEEWS: LUDLOW AUTO 19S-3X 3 UNITS	10101	353	2012	7,698,675.10	239,183.98	7,459,491.12
	402952L3	NEEWS: LUDLOW AUTO 19S-3X 3 UNITS	10101	352	2012	418,497.04	14,238.07	404,258.97
	402952L4	NEEWS: LUDLOW SPARE AUTO XFMR 19S-1X 1 UNIT	10101	353	2012	25,362.46	787.97	24,574.49
	402952L4	NEEWS: LUDLOW SPARE AUTO XFMR 19S-1X 1 UNIT	10101	352	2012	88,993.71	3,027.74	85,965.97
	402952L5	NEEWS: LUDLOW G19S SS MODS 115KV SIDE	10601	353	2013	9,900,090.10	106,755.64	9,793,334.46
	402952LD	NEEWS: LUDLOW G19S SS MODS 345KV SIDE	10601	353	2013	33,890,243.01	365,448.66	33,524,794.35
	402952LR	LINE 1552-REBUILD/RECONDUCTOR FOR NEEWS	10101	355	2012	1,617,864.32	46,167.02	1,571,697.30
	402952LR	LINE 1552-REBUILD/RECONDUCTOR FOR NEEWS	10101	356	2012	3,773,216.43	111,329.40	3,661,887.03
	402952LR	LINE 1552-REBUILD/RECONDUCTOR FOR NEEWS	10101	359	2012	170,354.12	3,560.55	166,793.57
	402952LR	LINE 1552-REBUILD/RECONDUCTOR FOR NEEWS	10101	353	2012	25,813.32	801.98	25,011.34
	402952P1	NEEWS: FAIRMONT LINE X1 TIE IN TO PROSPECT	10601	353	2013	518,672.72	5,593.00	513,079.72
	402952PF	LINE 1904-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2013	18,014,906.23	206,519.10	17,808,387.13
	402952RD	NEEWS: ORCHARD J27A SS MODIFICATIONS	10601	353	2013	766,428.47	8,264.63	758,163.84
	402952SA	NEEWS: SOUTH AGAWAM G42E SS MODIFICATIONS	10601	353	2013	984,054.30	10,611.35	973,442.95
	402952SL	LINE 1845-REBUILD/RECONDUCTOR FOR NEEWS	10101	354	2012	656,619.75	22,446.17	634,173.58
	402952SL	LINE 1845-REBUILD/RECONDUCTOR FOR NEEWS	10101	355	2012	18,976,280.61	541,503.16	18,434,777.45

CL&P/WMECO NEEWS Investment Balances as of 12-31-13								
Company	Work Order	Work Order Description	G/L A/C	Plant A/C	Work Order In Service	Gross Plant	Accum Depr	Net Plant
	402952SL	LINE 1845-REBUILD/RECONDUCTOR FOR NEEWS	10101	356	2012	4,295,350.49	126,735.05	4,168,615.44
	402952SL	LINE 1845-REBUILD/RECONDUCTOR FOR NEEWS	10101	359	2012	109,569.37	2,290.10	107,279.27
	402952SL	LINE 1845-REBUILD/RECONDUCTOR FOR NEEWS	10101	353	2012	45,956.24	1,427.78	44,528.46
	402952SN	NEEWS: SHAWINIGAN G55B SS MODIFICATIONS	10601	353	2013	4,816,424.81	51,936.95	4,764,487.86
	402952X1	NEEWS: LINE X176 TIE IN TO LUDLOW SS	10101	355	2012	326,817.22	9,325.99	317,491.23
	402952X1	NEEWS: LINE X176 TIE IN TO LUDLOW SS	10101	356	2012	166,265.02	4,905.68	161,359.34
	40328901	W SPRINGFIELD-AGAWAM REBUILD 1311 LINE	10101	355	2011	10,009,810.57	410,807.25	9,599,003.32
	40328901	W SPRINGFIELD-AGAWAM REBUILD 1311 LINE	10101	356	2011	2,893,783.54	124,639.34	2,769,144.20
	40328901	W SPRINGFIELD-AGAWAM REBUILD 1311 LINE	10101	353	2011	26,947.14	1,341.68	25,605.46
	40328902	W SPRINGFIELD-AGAWAM 1412 LINE REBUILD	10101	355	2011	8,199,607.22	336,515.65	7,863,091.57
	40328902	W SPRINGFIELD-AGAWAM 1412 LINE REBUILD	10101	356	2011	2,118,019.10	91,226.07	2,026,793.03
	40328902	W SPRINGFIELD-AGAWAM 1412 LINE REBUILD	10101	353	2011	11,700.08	582.54	11,117.54
	403289AU	NEEWS: AGAWAM UNDERGROUND WORK	10101	357	2011	265,500.52	24,018.80	241,481.72
	403289AU	NEEWS: AGAWAM UNDERGROUND WORK	10101	358	2011	662,272.09	74,931.06	587,341.03
	403289TW	AGAWAM-1412 TERMINAL UPGRADE	10101	353	2011	637,770.55	31,754.11	606,016.44
	403289WS	NEEWS: WEST SPRINGFIELD G08C SS MODS	10101	353	2011	70,791.14	3,524.64	67,266.50
	403289WU	NEEWS: W. SPRINGFIELD UNDERGROUND WORK	10101	353	2011	240,080.02	11,953.40	228,126.62
	40329502	BPS COMMISSIONING STEPS 1 - 10	10601	353	2013	8,788,198.99	94,765.79	8,693,433.20
	403327AA	LINE 2006 28 MARLA PLACE AGAWAM MA	10101	35002	2008	110,580.72	114.06	110,466.66
	403327AB	LINE 2007 25 MARLA PLACE AGAWAM MA	10101	35002	2009	198,938.84	167.88	198,770.96
	403327AC	LINE 2008 15 MARLA PLACE AGAWAM MA	10101	35002	2008	29,324.26	30.25	29,294.01
	403327AD	LINE 2014 18 OAKRIDGE DRIVE AGAWAM MA	10101	35002	2008	64,370.39	66.39	64,304.00
	403327AE	LINE 2015 28 OAKRIDGE DRIVE AGAWAM MA	10101	35002	2008	43,774.89	45.15	43,729.74
	403327AF	LINE 2016 40 OAKRIDGE DRIVE AGAWAM MA	10101	35002	2008	42,444.71	43.78	42,400.93
	403327AG	LINE 2018 07 OAKRIDGE DRIVE AGAWAM MA	10101	35002	2009	62,830.19	53.02	62,777.17
	403327AH	LINE 2021 414 PINE ST AGAWAM MA	10101	35002	2009	65,899.05	55.61	65,843.44
	403327AI	LINE 2024 393 PINE ST AGAWAM MA	10101	35002	2008	60,348.28	62.25	60,286.03
	403327AJ	LINE 2025 BARRY STREET AGAWAM MA	10101	35002	2008	29,328.25	30.25	29,298.00
	403327AK	LINE 2026 258 BARRY STREET AGAWAM MA	10101	35002	2008	45,509.04	46.94	45,462.10
	403327AL	LINE 2029 850 SOUTH WESTFIELD ST AGAWAM MA	10101	35002	2010	400,163.37	262.66	399,900.71
	403327AM	LINE 2032 SOUTH WESTFIELD ST AGAWAM MA	10101	35002	2009	148,763.99	125.54	148,638.45
	403327AN	LINE 2038 539 SHOEMAKER LANE AGAWAM MA	10101	35002	2009	109,698.49	92.57	109,605.92
	403327AO	LINE 2043 444 SHOEMAKER LANE AGAWAM MA	10101	35002	2008	37,420.40	38.60	37,381.80
	403327AP	LINE 2044 MOYLAN LANE (LOT 10) AGAWAM MA	10101	35002	2009	50,177.47	42.34	50,135.13
	403327AQ	LINE 2047 68 MOYLAN LANE AGAWAM MA	10101	35002	2008	35,771.70	36.90	35,734.80
	403327AR	LINE 2048 769 SILVER STREET AGAWAM MA	10101	35002	2009	68,334.02	57.67	68,276.35
	403327AS	LINE 3017 338 SILVER STREET AGAWAM MA	10101	35002	2008	54,842.60	56.57	54,786.03
	403327AT	LINE 3019 223 MILL STREET AGAWAM MA	10101	35002	2008	39,672.95	40.92	39,632.03
	403327AU	LINE 3023 143 SILVER LAKE DRIVE AGAWAM MA	10101	35002	2008	96,954.30	100.00	96,854.30
	403327AV	LINE 3024 153 SILVER LAKE DRIVE AGAWAM MA	10101	35002	2008	108,122.99	111.52	108,011.47
	403327AW	LINE 3026 39 LAKE VIEW CIRCLE AGAWAM MA	10101	35002	2009	141,174.83	119.14	141,055.69
	403327AX	LINE 3028 42 LAKE VIEW CIRCLE AGAWAM MA	10101	35002	2008	63,345.74	65.34	63,280.40

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Company	Work Order	Work Order Description	G/L A/C	Plant A/C	Work Order In Service	Gross Plant	Accum Depr	Net Plant
	403327AY	LINE 3029 45 TENNIS ROAD, REAR AGAWAM MA	10101	35002	2009	82,022.40	69.22	81,953.18
	403327AZ	LINE 3045 86 WILLOW BROOK DRIVE AGAWAM MA	10101	35002	2009	77,322.28	65.25	77,257.03
	403327BA	LINE 4003 158 MAPPLE ST AGAWAM MA	10101	35002	2009	75,487.52	63.70	75,423.82
	403327BB	LINE 3009 415 SILVER STREET,AGAWAM,MA	10101	35002	2009	36,490.50	30.79	36,459.71
	403327BC	LINE 3011 405 SILVER STREET,AGAWAM,MA	10101	35002	2009	32,331.68	27.28	32,304.40
	403327BD	LINE 3022 135 SILVER LAKE DRIVE, AGAWAM, MA	10101	35002	2009	56,567.21	47.74	56,519.47
	403327BG	LINE 3041 668 COOPER STREET,AGAWAM,MA	10101	35002	2009	352,307.64	297.31	352,010.33
	403327BH	LINE 3042 700 COOPER STREET,AGAWAM,MA	10101	35002	2010	133,992.20	87.95	133,904.25
	403327BJ	LINE 3046 COOPER STREET,REAR,AGAWAM,MA	10101	35002	2009	100,163.78	84.53	100,079.25
	403327BK	LINE 3047 LINE STREET,AGAWAM,MA	10101	35002	2011	80,937.30	37.95	80,899.35
	403327BL	LINE 3048 147 LANCASTER DRIVE, AGAWAM,MA	10101	35002	2009	65,645.50	55.40	65,590.10
	403327BM	LINE 3049 135 LANCASTER DRIVE, AGAWAM,MA	10101	35002	2009	98,905.83	83.47	98,822.36
	403327BN	LINE 3052 138 LANCASTER DRIVE, AGAWAM,MA	10101	35002	2009	49,629.21	41.88	49,587.33
	403327BP	LINE 3053 154 LANCASTER DRIVE, AGAWAM,MA	10101	35002	2009	97,536.35	82.31	97,454.04
	403327BQ	LINE 3054 168 LANCASTER DRIVE, AGAWAM,MA	10101	35002	2009	43,131.91	36.40	43,095.51
	403327BR	LINE 3055 178 LANCASTER DRIVE, AGAWAM,MA	10101	35002	2009	29,473.12	24.87	29,448.25
	403327BS	LINE 3056 138 ROWLEY STREET,AGAWAM,MA	10101	35002	2009	76,348.85	64.43	76,284.42
	403327BT	LINE 3057 ROWLEY STREET,AGAWAM,MA	10101	35002	2009	194,133.24	163.83	193,969.41
	403327BU	LINE 3062 105 ROWLEY STREET,AGAWAM,MA	10101	35002	2009	121,089.13	102.19	120,986.94
	403327BV	LINE 3063 221-223 SPRINGFIELD ST,AGAWAM,MA	10101	35002	2009	56,685.41	47.84	56,637.57
	403327BW	LINE 3064 191 SPRINGFIELD ST,AGAWAM,MA	10101	35002	2010	101,098.62	66.36	101,032.26
	403327BX	LINE 3065 84 RAMAH CIRCLE NORTH,AGAWAM,MA	10101	35002	2009	39,483.89	33.32	39,450.57
	403327BY	LINE 3066 67 COLUMBUS STREET,AGAWAM,MA	10101	35002	2010	72,494.02	47.58	72,446.44
	403327BZ	LINE 4008 BIRCHWOOD TERRACE,AGAWAM,MA	10101	35002	2009	64,981.84	54.84	64,927.00
	403327CA	LINE 4044 138 SILVER STREET,W. SPRINGFIELD	10101	35002	2010	71,256.35	46.77	71,209.58
	403327CB	LINE 4052 21 FENCE STREET,W. SPRINGFIELD	10101	35002	2009	46,911.10	39.59	46,871.51
	403327CC	LINE 4060 1201 WESTFIELD ST, W. SPRINGFIELD	10101	35002	2009	33,442.64	28.22	33,414.42
	403327CD	LINE 4068 1290 WESTFIELD ST, W. SPRINGFIELD	10101	35002	2010	69,560.44	45.66	69,514.78
	403327CE	LINE 4072 KINGS HWY (94-13-2)W. SPRINGFIELD	10101	35002	2009	204,986.73	172.99	204,813.74
	403327CF	LINE 4027 FRONT STREET W. SPRINGFIELD	10101	35002	2010	74,274.58	48.75	74,225.83
	403327CG	LINE 4030 ASHLEY STREET W. SPRINGFIELD	10101	35002	2009	86,433.23	72.94	86,360.29
	403327CH	LINE 4038.01 NELSON CIRCLE W. SPRINGFIELD	10101	35002	2010	66,356.52	43.55	66,312.97
	403327CJ	LINE 4039 177-179 ASHLEY ST. W. SPRINGFIELD	10101	35002	2009	37,250.21	31.44	37,218.77
	403327CK	LINE 4043 136 SILVER STREET W. SPRINGFIELD	10101	35002	2010	99,345.97	65.21	99,280.76
	403327CL	LINE 4045 116 SILVER STREET W. SPRINGFIELD	10101	35002	2009	68,668.85	57.95	68,610.90
	403327CM	LINE 4046 104 SILVER STREET W. SPRINGFIELD	10101	35002	2009	41,226.88	34.79	41,192.09
	403327CN	LINE 4047 19 BROOK PLACE W. SPRINGFIELD	10101	35002	2009	57,078.78	48.17	57,030.61
	403327CP	LINE 4053 BROOK PLACE W. SPRINGFIELD	10101	35002	2009	127,719.93	107.78	127,612.15
	403327CQ	LINE 4054 44 MURRAY PLACE W. SPRINGFIELD	10101	35002	2009	82,665.04	69.76	82,595.28
	403327CR	LINE 4055 35 MURRAY PLACE W. SPRINGFIELD	10101	35002	2009	52,919.13	44.66	52,874.47
	403327CS	LINE 4057 36 DION DRIVE W. SPRINGFIELD	10101	35002	2009	37,749.76	31.86	37,717.90
	403327CT	LINE 4059 39 DION DRIVE W. SPRINGFIELD	10101	35002	2009	51,151.70	43.17	51,108.53

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	403327CU	LINE 4061 1233 WESTFIELD ST. W. SPRINGFIELD	10101	35002	2009	36,997.87	31.22	36,966.65
	403327CV	LINE 4062 1261 WESTFIELD ST. W. SPRINGFIELD	10101	35002	2010	198,958.30	130.59	198,827.71
	403327CW	LINE 4063 1297 WESTFIELD ST. W. SPRINGFIELD	10101	35002	2010	181,456.57	119.10	181,337.47
	403327CX	LINE 4065 1311 WESTFIELD ST. W. SPRINGFIELD	10101	35002	2009	58,517.04	49.38	58,467.66
	403327CY	LINE 4073 15 GREENLEAF AVE. W. SPRINGFIELD	10101	35002	2009	33,519.50	28.29	33,491.21
	403327CZ	LINE 4074 19 GREENLEAF AVE. W. SPRINGFIELD	10101	35002	2009	33,519.50	28.29	33,491.21
	403327DA	LINE 5069 6 AMHERST STR, CHICOPEE, MA	10101	35002	2008	20,552.42	21.20	20,531.22
	403327DB	LINE 5149.01 386 GRATTAN STR, CHICOPEE, MA	10101	35002	2009	50,419.56	42.55	50,377.01
	403327DC	LINE 5158 945 GRANBY STREET, CHICOPEE, MA	10101	35002	2009	34,331.00	28.97	34,302.03
	403327DD	LINE 5182 MONTGOMERY STREET, CHICOPEE, MA	10101	35002	2008	284,192.85	293.13	283,899.72
	403327DE	LINE 7002 MEMORIAL DRIVE, CHICOPEE, MA	10101	35002	2010	74,256.11	48.74	74,207.37
	403327DF	LINE 7002.01 MEMORIAL DR, CHICOPEE, MA	10101	35002	2010	1,919,767.49	1,260.08	1,918,507.41
	403327DG	LINE 7005 545 MEMORIAL DR., CHICOPEE, MA	10101	35002	2011	335,185.09	157.15	335,027.94
	403327DH	LINE 7007 505 MEMORIAL DR., CHICOPEE, MA	10101	35002	2009	336,646.99	284.10	336,362.89
	403327DI	LINE 7008 107 SHERIDAN STR, CHICOPEE, MA	10101	35002	2010	152,622.81	100.18	152,522.63
	403327DJ	LINE 7010 SHERIDAN STR, CHICOPEE, MA	10101	35002	2009	110,534.74	93.28	110,441.46
	403327DK	LINE 7013 63 SLATE ROAD, CHICOPEE, MA	10101	35002	2008	72,858.30	75.15	72,783.15
	403327DL	LINE 7015 81 SLATE ROAD, CHICOPEE, MA	10101	35002	2009	106,169.81	89.60	106,080.21
	403327DM	LINE 7017 105 SLATE RD, CHICOPEE, MA	10101	35002	2009	129,475.56	109.26	129,366.30
	403327DN	LINE 7018 107 SLATE RD, CHICOPEE, MA	10101	35002	2009	60,104.67	50.72	60,053.95
	403327DP	LINE 7021 FULLER ROAD, CHICOPEE, MA	10101	35002	2009	83,525.93	70.49	83,455.44
	403327DQ	LINE 7024 MORTON LANE, CHICOPEE, MA	10101	35002	2008	105,253.85	108.56	105,145.29
	403327DR	LINE 7036 LOMBARD ROAD, CHICOPEE, MA	10101	35002	2009	43,328.36	36.56	43,291.80
	403327DU	LINE 7040 LOMBARD ROAD, CHICOPEE, MA	10101	35002	2009	8,896.69	7.51	8,889.18
	403327DW	LINE 5077 79 DELANEY AVE, CHICOPEE, MA	10101	35002	2009	76,826.02	64.83	76,761.19
	403327DX	LINE 5078 16 TRURO ST, CHICOPEE, MA	10101	35001	2009	483,082.33	0.00	483,082.33
	403327DY	LINE 5081 TRURO ST, CHICOPEE, MA	10101	35002	2009	44,278.66	37.37	44,241.29
	403327DZ	LINE 5085 45 BILL ST CHICOPEE, MA	10101	35001	2010	317,977.86	0.00	317,977.86
	403327EA	LINE 7024.01 FULLER RD, CHICOPEE, MA	10101	35002	2009	93,394.10	78.82	93,315.28
	403327EB	LINE 5087 56 BILL STR, CHICOPEE, MA	10101	35002	2009	33,966.39	28.66	33,937.73
	403327EC	LINE 5088 50 BILL STR, CHICOPEE, MA	10101	35002	2009	50,394.64	42.53	50,352.11
	403327EE	LINE 5090.01 29 BILL STREET, CHICOPEE, MA	10101	35002	2009	35,994.83	30.38	35,964.45
	403327EF	LINE 5091 29 BILL STREET, CHICOPEE, MA	10101	35002	2009	35,969.58	30.35	35,939.23
	403327EG	LINE 5092 10 BILL STREET, CHICOPEE, MA	10101	35002	2009	43,088.11	36.36	43,051.75
	403327EH	LINE 5093.01 33 PAJAK STR, CHICOPEE, MA	10101	35002	2009	45,328.93	38.25	45,290.68
	403327EJ	LINE 5105 61 CHESTER STREET, CHICOPEE, MA.	10101	35002	2009	42,588.11	35.94	42,552.17
	403327EK	LINE 5139 740 GRANBY ROAD, CHICOPEE, MA.	10101	35002	2009	39,935.24	33.70	39,901.54
	403327EL	LINE 5142 27 SOPHIA STREET, CHICOPEE, MA.	10101	35002	2009	37,302.65	31.48	37,271.17
	403327EM	LINE 5143 10 POND STREET, CHICOPEE, MA.	10101	35002	2009	42,645.72	35.99	42,609.73
	403327EN	LINE 5155 38 SANDERS STR, CHICOPEE, MA.	10101	35002	2009	35,497.37	29.96	35,467.41
	403327EP	LINE 5178 444 MONTGOMERY STR, CHICOPEE, MA	10101	35002	2010	178,147.10	116.93	178,030.17
	403327EQ	LINE 6038 MONTGOMERY STR, CHICOPEE, MA	10101	35002	2009	159,576.87	134.67	159,442.20

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	403327ES	LINE 7006 529 MEMORIAL DR, CHICOPEE, MA	10101	35002	2010	15,331.23	10.06	15,321.17
	403327ET	LINE 7014 77 SLATE ROAD, CHICOPEE, MA	10101	35002	2009	40,111.84	33.85	40,077.99
	403327EU	LINE 7020 FULLER ROAD, CHICOPEE, MA	10101	35002	2009	41,583.11	35.09	41,548.02
	403327EV	LINE 7019 FULLER RD,NS MASS PIKE,CHICOPEE,MA	10101	35002	2009	59,531.62	50.24	59,481.38
	403327EX	LINE 5092.01 CHESTER ST, CHICOPEE, MA	10101	35002	2009	41,895.70	35.36	41,860.34
	403327FA	LINE 4010 79 HOWARD STREET,AGAWAM,MA	10101	35002	2009	65,709.69	55.45	65,654.24
	403327FB	LINE 4012 80 HOWARD STREET,AGAWAM,MA	10101	35002	2009	50,414.85	42.55	50,372.30
	403327FC	LINE 4013 219 HIGH STREET,AGAWAM,MA	10101	35002	2009	45,341.83	38.26	45,303.57
	403327FE	LINE 4017 248 HIGH ST,AGAWAM,MA	10101	35002	2009	75,557.06	63.76	75,493.30
	403327FF	LINE 4019 25 PASADENA STREET, AGAWAM,MA	10101	35002	2009	46,080.60	38.89	46,041.71
	403327FG	LINE 4020 OAK STREET, AGAWAM,MA	10101	35002	2009	74,593.45	62.95	74,530.50
	403327FH	LINE 4022 428 NORTH STREET, AGAWAM, MA	10101	35002	2009	40,688.58	34.34	40,654.24
	403327FJ	LINE 4023 VALLEY STREET, AGAWAM, MA	10101	35002	2009	53,400.29	45.06	53,355.23
	403327FL	LINE 4016 9 PASADENA ST,AGAWAM, MA	10101	35002	2009	49,037.57	41.38	48,996.19
	403327GA	LINE 4075 25 GREENLEAF AVE. W. SPRINGFIELD	10101	35002	2009	33,519.50	28.29	33,491.21
	403327GB	LINE 4076 31 GREENLEAF AVE. W. SPRINGFIELD	10101	35002	2009	44,325.12	37.41	44,287.71
	403327GC	LINE 4077 37 GREENLEAF AVE. W. SPRINGFIELD	10101	35002	2009	47,186.32	39.82	47,146.50
	403327GD	LINE 4078 43 GREENLEAF AVE. W. SPRINGFIELD	10101	35002	2009	44,325.12	37.41	44,287.71
	403327GE	LINE 4079 49 GREENLEAF AVE. W. SPRINGFIELD	10101	35002	2009	47,431.50	40.03	47,391.47
	403327GF	LINE 4080 55 GREENLEAF AVE. W. SPRINGFIELD	10101	35002	2010	48,187.28	31.63	48,155.65
	403327GG	LINE 4082 96 FORRIS STREET W. SPRINGFIELD	10101	35002	2009	70,264.98	59.30	70,205.68
	403327GH	LINE 4083 80 FORRIS STREET W. SPRINGFIELD	10101	35001	2010	(253,080.53)	0.00	(253,080.53)
	403327GJ	LINE 4087 99 FORRIS STREET W. SPRINGFIELD	10101	35002	2009	35,542.69	29.99	35,512.70
	403327GK	LINE 4088 77 FORRIS STREET W. SPRINGFIELD	10101	35002	2009	53,483.93	45.14	53,438.79
	403327GL	LINE 4091 20 CORA STREET W. SPRINGFIELD	10101	35002	2009	46,652.71	39.37	46,613.34
	403327GM	LINE 4092 42 CORA STREET W. SPRINGFIELD	10101	35002	2009	46,654.50	39.37	46,615.13
	403327GN	LINE 4098 66 LARCHWOOD ST W. SPRINGFIELD	10101	35002	2009	54,464.24	45.96	54,418.28
	403327GQ	LINE 4121.01 82 BOWERS ST W. SPRINGFIELD	10101	35002	2009	36,493.16	30.80	36,462.36
	403327GR	LINE 4125 MORTON ST(84-6-4) W. SPRINGFIELD	10101	35002	2009	25,529.77	21.54	25,508.23
	403327GS	LINE 4126 346 MORTON ST W. SPRINGFIELD	10101	35002	2009	42,221.04	35.63	42,185.41
	403327GT	LINE 4127 366 MORTON ST W. SPRINGFIELD	10101	35002	2009	70,530.23	59.52	70,470.71
	403327GU	LINE 4129 396 MORTON ST W. SPRINGFIELD	10101	35002	2009	43,776.45	36.94	43,739.51
	403327GW	LINE 4132 AMOSTOWN ROAD W. SPRINGFIELD	10101	35002	2010	52,238.05	34.29	52,203.76
	403327GY	LINE 4145 579 PIPER ROAD W. SPRINGFIELD	10101	35002	2009	61,849.78	52.20	61,797.58
	403327GZ	LINE 4146 573 PIPER ROAD W. SPRINGFIELD	10101	35002	2009	85,093.20	71.81	85,021.39
	403327HA	LINE 4147 575 PIPER ROAD W. SPRINGFIELD	10101	35002	2009	62,615.37	52.84	62,562.53
	403327HB	LINE 4148 465 MORGAN RD W. SPRINGFIELD	10101	35002	2009	173,685.56	146.57	173,538.99
	403327HC	LINE 4149 71 APPALOOSA LANE W. SPRINGFIELD	10101	35002	2009	67,206.44	56.72	67,149.72
	403327HE	LINE 4155 492 MORGAN ROAD, W. SPRINGFIELD	10101	35002	2009	33,217.41	28.03	33,189.38
	403327HF	LINE 4156 476 MORGAN ROAD, W. SPRINGFIELD	10101	35002	2009	142,653.23	120.39	142,532.84
	403327HG	LINE 4157 440 MORGAN ROAD, W. SPRINGFIELD	10101	35002	2009	73,983.19	62.43	73,920.76
	403327HH	LINE 4159 98 BLOSSOM ROAD, W. SPRINGFIELD	10101	35002	2009	48,956.95	41.31	48,915.64

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	403327HJ	LINE 4160 939 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	47,561.24	40.14	47,521.10
	403327HK	LINE 4161 955 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	25,931.82	21.88	25,909.94
	403327HL	LINE 4162 965 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	50,616.62	42.72	50,573.90
	403327HM	LINE 4163 977 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	52,233.96	44.08	52,189.88
	403327HN	LINE 4164 999 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	41,310.15	34.86	41,275.29
	403327HP	LINE 4165 1009 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	35,036.90	29.57	35,007.33
	403327HQ	LINE 4168 1031 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	27,147.86	22.91	27,124.95
	403327HR	LINE 4169 1010 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	70,830.21	59.77	70,770.44
	403327HS	LINE 4170 1030 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	58,993.21	49.78	58,943.43
	403327HT	LINE 4171 1044 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	66,432.63	56.06	66,376.57
	403327HU	LINE 5001 1158 PIPER ROAD, W. SPRINGFIELD	10101	35002	2010	64,801.23	42.53	64,758.70
	403327HV	LINE 5003 BRUSH HILL AVE, W. SPRINGFIELD	10101	35002	2010	56,545.36	37.11	56,508.25
	403327HW	LINE 5005.01 370 BRUSH HILL AVE. W. SPRGFLD	10101	35002	2009	54,987.24	46.40	54,940.84
	403327HX	LINE 5008 BRUSH HILL AVE. W. SPRINGFIELD	10101	35002	2010	199,733.94	131.10	199,602.84
	403327HY	LINE 5013 67 RIVERVIEW AVE, W. SPRINGFIELD	10101	35002	2009	44,816.67	37.82	44,778.85
	403327HZ	LINE 5014 LABELLE STREET, W. SPRINGFIELD	10101	35002	2009	83,867.11	70.78	83,796.33
	403327JA	LINE 5016 207 LABELLE ST, W. SPRINGFIELD	10101	35002	2009	67,146.89	56.67	67,090.22
	403327JB	LINE 5017 199 LABELLE ST, W. SPRINGFIELD	10101	35002	2009	60,721.23	51.24	60,669.99
	403327JC	LINE 5019 FREDERICK ST, W. SPRINGFIELD	10101	35002	2009	53,434.93	45.09	53,389.84
	403327JD	LINE 5020 185 LABELLE ST, W. SPRINGFIELD	10101	35002	2009	64,030.31	54.04	63,976.27
	403327JE	LINE 5021 53 FREDERICK ST, W. SPRINGFIELD	10101	35002	2009	53,237.58	44.93	53,192.65
	403327JF	LINE 5022 175 LABELLE ST, W. SPRINGFIELD	10101	35002	2010	111,482.85	73.17	111,409.68
	403327JG	LINE 5024 151 LABELLE ST, W. SPRINGFIELD	10101	35002	2011	136,645.97	64.07	136,581.90
	403327JH	LINE 5028 1 WILFRED ST, W. SPRINGFIELD	10101	35002	2009	44,544.57	37.59	44,506.98
	403327JK	LINE 4064 1311 WESTFIELD STREET, W. SPRINGFLD	10101	35002	2009	34,505.91	29.12	34,476.79
	403327JV	LINE 2060 SOUTHWEST ST, AGAWAM, MA	10101	35001	2009	96,463.38	0.00	96,463.38
	403327JV	LINE 2060 SOUTHWEST ST, AGAWAM, MA	10101	35001	2013	484,627.16	0.00	484,627.16
	403327JW	LINE 4048 ASHLEY ST, W. SPRINGFIELD	10101	35002	2009	92,365.75	77.95	92,287.80
	403327JY	LINE 3009.01 415 SILVER ST AGAWAM, MA	10101	35002	2009	37,276.22	31.46	37,244.76
	403327JZ	LINE 3009.40 415 SILVER ST AGAWAM, MA	10101	35002	2009	42,518.03	35.88	42,482.15
	403327KC	LINE 5013.01 67 RIVERVIEW AVE W. SPRINGFIELD	10101	35002	2009	105,181.15	88.76	105,092.39
	403327KM	LINE 3031 TENNIS ROAD AGAWAM, MA.	10101	35002	2009	39,874.03	33.65	39,840.38
	403327KN	LINE 4140 425 PIPER ROAD W. SPRINGFIELD	10101	35002	2010	72,445.42	47.55	72,397.87
	403327KP	LINE 4141 538 AMOSTOWN RD. W. SPRINGFIELD	10101	35002	2009	37,925.40	32.01	37,893.39
	403327KT	LINE 4160.4 939 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	45,085.42	38.05	45,047.37
	403327KV	LINE 3062.40-105 ROWLEY ST., AGAWAM, MA	10101	35002	2009	24,234.75	20.45	24,214.30
	403327LA	LINE 3033 267 MILL STREET, AGAWAM, MA	10101	35002	2009	22,291.05	18.81	22,272.24
	403327LF	LINE 4042 28 FENOR ST, W. SPRINGFIELD	10101	35002	2009	21,481.91	18.13	21,463.78
	403327LH	LINE 5014.4 LABELLE STREET, W. SPRINGFIELD	10101	35002	2009	21,139.40	17.84	21,121.56
	403327LY	LINE 2032.4 S. WESTFIELD ST, AGAWAM, MA	10101	35002	2009	51,959.58	43.85	51,915.73
	403327MA	LINE 7021.4 FULLER RD, CHICOPEE, MA	10101	35002	2009	28,166.38	23.77	28,142.61
	403327MD	LINE 4049.01 131 NELSON ST, W. SPRINGFIELD	10101	35002	2009	20,774.72	17.53	20,757.19

CL&P/WMECO NEEWS Investment Balances as of 12-31-13								
Company	Work Order	Work Order Description	G/L A/C	Plant A/C	Work Order In Service	Gross Plant	Accum Depr	Net Plant
	403327ME	LINE 4049.02 143 NELSON ST, W.SPRINGFIELD	10101	35002	2009	19,257.33	16.25	19,241.08
	403327MF	LINE 4049.03 16 FENOR ST, W.SPRINGFIELD	10101	35002	2009	15,918.16	13.43	15,904.73
	403327MG	LINE 4049.04 20 FENOR ST, W.SPRINGFIELD	10101	35002	2009	15,918.12	13.43	15,904.69
	403327MH	LINE 4049.05 17 FENOR ST,W.SPRINGFIELD	10101	35002	2009	16,625.36	14.03	16,611.33
	403327MJ	LINE 4052.4 21 FENOR ST,W.SPRINGFIELD	10101	35002	2009	16,652.63	14.05	16,638.58
	403327ML	LINE 4146.4 573 PIPER ROAD, W. SPRINGFIELD	10101	35002	2009	15,825.93	13.36	15,812.57
	403327MR	LINE 2003 BARRY ST, AGAWAM, MA	10101	35002	2011	4,084.68	1.92	4,082.76
	403327MT	LINE 2004 BARRY STREET, AGAWAM, MA	10101	35002	2011	53,302.91	24.99	53,277.92
	403327MU	LINE 11065 39 TANK FARM RD, LUDLOW,MA	10101	35002	2010	28,128.97	18.46	28,110.51
	403327MV	LINE 12002 HG&E LAND IN FEE HOLYOKE,MA	10101	35002	2010	443,274.25	290.95	442,983.30
	403327MW	LINE 3080 KIBBE, AGAWAM, MA	10101	35001	2010	354,246.05	0.00	354,246.05
	403327MY	LINE 4069 1338 WESTFIELD ST., W. SPRINGFIELD	10101	35002	2010	33,373.53	21.91	33,351.62
	403327MZ	LINE 5008.01 CLAYTON DRIVE W. SPRINGFIELD	10101	35002	2010	64,361.22	42.24	64,318.98
	403327NA	LINE 5008.41 CLAYTON DRIVE W. SPRINGFIELD	10101	35002	2010	20,322.70	13.34	20,309.36
	403327NB	LINE 5008.43 CLAYTON DRIVE W. SPRINGFIELD	10101	35002	2010	18,363.44	12.05	18,351.39
	403327NF	LINE 8023 WEST SIDE OF CADWELL DRIVE	10101	35002	2011	34,313.41	16.09	34,297.32
	403327NG	LINE 3035.01 TENNIS ROAD, AGAWAM, MA	10101	35002	2012	173,938.15	48.93	173,889.22
	403327NH	LINE 5118.01 MASS DOT,CHICOPEE,MA	10101	35002	2012	178,284.33	50.15	178,234.18
	403327NJ	LINE 5182.01 MASS PIKE ENTRANCE/EXIT 5-2ND X	10101	35002	2012	194,984.08	54.85	194,929.23
	403327NK	LINE 7019.01 MTA (LATERAL CROSSING)	10101	35002	2012	147,902.87	41.60	147,861.27
	403327NL	LINE 7037.01 MTA (EXIT 6)	10101	35002	2012	138,345.78	38.91	138,306.87
	403327NM	LINE 7040.03 MTA (EXIT 6) LINE 51-512B XING	10101	35002	2012	126,072.41	35.46	126,036.95
	403327NR	6053.00 PURCHASE EASEMENT IN CHICOPEE	10101	35002	2011	46,234.02	21.68	46,212.34
	403327NS	3056.00 PURCHASE EASEMENT IN AGAWAM	10601	35001	2013	87,970.35	0.00	87,970.35
	403327TF	LINE 11064 0 TANK FARM RD, LUDLOW,MA	10101	35002	2011	30,312.99	14.21	30,298.78
	403327TS	REMOVE STRUCTURE,TURRO ST, CHICOPEE	10101	35001	2011	43,157.92	0.00	43,157.92
	403327TT	LL 3004-PURCHASE A PERMANENT EASEMENT	10601	35001	2013	127,434.93	0.00	127,434.93
	403327TU	LL 5008.42-ACCESS ROAD OLD BRUSH HILL RD, WS	10101	35002	2012	43,220.96	12.16	43,208.80
	403327TW	EMINENT DOMAIN EASEMENT,650 MEMORIAL DR. MA	10601	35001	2013	62,332.03	0.00	62,332.03
	403327TX	DEMOLISH STR AT 981 CENTER ST, LUDLOW MA	10601	35001	2013	115,865.72	0.00	115,865.72
	403327TY	DEMOLITION OF STR AT 441 SHOEMAKER LN,AGAWAM	10601	35001	2013	101,788.68	0.00	101,788.68
	403327WS	REMOVE STRUCTURE,BILL ST, CHICOPEE	10101	35001	2011	30,075.00	0.00	30,075.00
	403349AA	LL#16031.00 CITY OF SPRFLD, WEST SPRINGFIELD	10101	35002	2010	61,343.13	40.26	61,302.87
	403349AD	LL#16042.00 TOWN OF WEST SPRINGFIELD, MA	10101	35002	2010	56,877.07	37.33	56,839.74
	403349BG	LL#2060.00 BOGLISCH PROPERTY PURCHASE AGAWAM	10101	35001	2009	91,809.68	0.00	91,809.68
	403349ES	LL#16018.40 MEMORIAL AVE. W. SPRINGFIELD MA	10101	35002	2009	103,585.68	87.42	103,498.26
	403349MA	LL#16018.00 MEMORIAL AVE. W. SPRINGFIELD MA	10101	35002	2009	187,836.20	158.51	187,677.69
	403349ME	LL#16027.01 TANGREDI, MARSHA CLAIRE AGAWAM MA	10101	35002	2009	34,535.15	29.14	34,506.01
	403349MJ	LL#16020.00 JOHNSON & RICHARD AGAWAM MA	10101	35002	2009	28,800.09	24.30	28,775.79
	403349ML	LL#16019.00 HOUGHTON & RACKLIFFE AGAWAM MA	10101	35002	2009	34,104.13	28.78	34,075.35
	403349MM	LL#16021.00 HOUGHTON & RACKLIFFE AGAWAM MA	10101	35002	2009	34,129.14	28.80	34,100.34
	403349MN	LL#16023.00 HOUGHTON & RACKLIFFE AGAWAM MA	10101	35002	2009	34,129.16	28.80	34,100.36

CL&P/WMECO NEEWS Investment Balances as of 12-31-13								
Company	Work Order	Work Order Description	G/L A/C	Plant A/C	Work Order In Service	Gross Plant	Accum Depr	Net Plant
	403349MQ	LL#16026.00 CATHERINE&MATTHEW SIANO AGAWAM MA	10101	35002	2010	63,336.62	41.57	63,295.05
	403349MT	LL#16030.00 CITY OF SPRFLD 147M ST AGAWAM MA	10101	35002	2010	84,059.25	55.17	84,004.08
	403349MX	LL#16010.00 299 WALNUT STREET,AGAWAM,MA	10101	35002	2010	89,610.79	58.82	89,551.97
	403349R5	LL#16045.00 CITY OF SPRINGFIELD,W.SPFLD, MA	10101	35002	2010	62,525.12	41.04	62,484.08
	403349RR	LL#16014.01 REAR RIVER RD. W.SPRINGFIELD MA	10101	35002	2010	57,104.57	37.48	57,067.09
WMECO Total						542,905,014.67	12,488,628.61	530,416,386.06
Grand Total						704,677,312.93	16,675,574.45	688,001,738.48

Legacy NU Transmission 2014 PTF In-Service Forecast
(\$'s X 1000)

Company	ISO-NE Project ID	Project Title	Estimated PTF In-Service
CL&P	1229	Line 1990 Structure Replacement	\$ 38,947
CL&P	1228	Stamford Area Reliability - Underground Cable	\$ 37,117
CL&P	N/A	Relay Replacements	\$ 22,338
CL&P	N/A	Storm Hardening	\$ 20,429
CL&P	N/A	Replace Montvill 18X & 19X Transformers	\$ 13,779
CL&P	N/A	Safety & Obsolete Equipment Replacement Projects	\$ 13,099
CL&P	N/A	115kV NERC Facility Ratings Projects	\$ 9,784
CL&P	1400	Haddam Neck 345kV Shunt Reactor Project	\$ 8,209
CL&P	N/A	Break Fix, Tools & Other Annuals	\$ 6,428
CL&P	(a)	NEEWS Projects - CT	\$ 3,511
CL&P		NEEWS CWIP	
CL&P	1534	Newtown 115kV Tie Breaker	\$ 2,170
CL&P	N/A	Hop Brook Erosion Mitigation	\$ 2,157
CL&P	N/A	Transform Load Tap Changers & Oil Filtration Systems	\$ 1,525
CL&P	N/A	East Meridan Substation 1T Breaker	\$ 1,211
CL&P	N/A	ConnDOT work at Railroad Avenue in	\$ 1,000
CL&P	N/A	CL&P SCADA Load Shedding Projects	\$ 850
CL&P	N/A	CIP Network Separation & Security Projects	\$ 835
CL&P	N/A	Upgrades to HPPF Pumphouse Fire Protection	\$ 828
CL&P	85	South Meadow Substation Bulk Power System Upgrades	\$ 808
CL&P	N/A	Norwalk Harbor Temperature Monitoring	\$ 753
CL&P	N/A	OPGW Project - Flax Hill	\$ 740
CL&P	N/A	Additional PTF Reliability Projects	\$ 1,763
		Total CL&P	\$ 188,281
PSNH	1301-1310, 1312, 1314, 1315, 1379,1495	Southern Region Reliability Projects	\$ 18,559
PSNH	1269-1272, 1275, 1346	Western Region Reliability Projects	\$ 11,815
PSNH	277, 1137, 1138, 1139, 1140, 1141	Littleton Second Autotransformer Project	\$ 8,883
PSNH	1276, 1277, 1278, 1312, 1314	Central Region Reliability Projects	\$ 8,334
PSNH	1316-1325	Seacoast Region Reliability Projects	\$ 6,973
PSNH	N/A	Safety & Obsolete Equipment Replacement Projects	\$ 4,296
PSNH	N/A	Break Fix, Tools & Other Annuals	\$ 3,589
PSNH	N/A	115kV NERC Facility Ratings Projects	\$ 3,386
PSNH	N/A	U199 Line Rebuild	\$ 2,963
PSNH	N/A	Transformer Geomagnetic Disturbance Monitoring	\$ 591
PSNH	N/A	Additional PTF Reliability Projects	\$ 1,898
		Total PSNH	\$ 71,287
WMECO	N/A	Structure Replacement Projects	\$ 20,412
WMECO	N/A	Safety & Obsolete Equipment Replacement Projects	\$ 12,644
WMECO	802, 1085, 810, 191	NEEWS - Greater Springfield Project	\$ 10,923
WMECO		NEEWS CWIP	
WMECO	1221-1226,1532	Pittsfield-Greenfield Area Solution	\$ 6,853
WMECO	N/A	115kV NERC Facility Ratings Projects	\$ 3,215
WMECO	1,092	Agawam BPS	\$ 2,867
WMECO	1217	NGRID Switching Station Tie	\$ 2,824
WMECO	N/A	Break Fix, Tools & Other Annuals	\$ 2,430
WMECO	N/A	OPGW Projects	\$ 1,385
WMECO	N/A	Storm Hardening Projects	\$ 1,297
WMECO	N/A	Replace Disconnects at French King	\$ 1,055
WMECO	N/A	Replace Oil Circuit Breakers at Midway & Pineshed	\$ 890
WMECO	N/A	Additional PTF Reliability Projects	\$ 366
		Total WMECO	\$ 67,161

Total Legacy NU PTF Plant In-Service \$ 326,729

Total Legacy NU CWIP \$ -

Total Legacy Northeast Utilities \$ 326,729

(a) There are multiple RSP Project ID's associated with the NEEWS Projects in both CT & MA: 191, 196, 259, 576, 687, 688, 802, 810,816,818,819,820,823,826,828,829,1010,1070,1071,1072,1073,1074,1080,1100,1101,1102,1103,1104,1105,1114,1368,1378

Note: RSP Project ID's based on approved ISO-NE Listing published on April 1, 2014

**Northeast Utilities System Companies'
Capitalization - 2013
for Rates billed June 1, 2014 - May 31, 2015**

Attachment H

Line No.		CL&P Year End	PSNH Year End	WMECO Year End	Reference
Long Term Debt					
1	Outstanding Bonds (A/C 221 & 224)	2,499,655,985	1,051,250,000	565,000,000	FF1 page 257 In. 33
2	Premium on LTD (A/C 225)	-	-	8,229,701	FF1 page 112 In. 22
3	Discount on LTD (A/C 226)	5,561,809	2,243,876	1,174,551	FF1 page 112 In. 23
4	Debt Expense (A/C 181)	14,595,380	6,552,909	3,744,212	FF1 page 111 In. 69
5	Gain on Reacquired Debt (A/C 257)	-	-	-	FF1 page 113 In. 61
6	Total LTD (Year End) line 1+2-3-4+5)	2,479,498,796	1,042,453,215	568,310,938	
7	Total LTD (Beginning of Year / End of Year Average)	2,343,008,787	1,016,601,510	556,264,418	(Line 6 + prior YE capitalization) / 2
8	Annual Amort of Prem Disc. & Exp. (A/C 428 minus A/C 429)	2,297,524	1,310,235	(453,727)	FF1 page 117 In. 63 minus In. 65
9	Annual Amort of Gain on Reacquired Debt (A/C 429.1)	-	-	-	FF1 page 117 In. 66
10	Annual Interest Cost (A/C 427)	128,703,101	40,529,805	23,929,122	FF1 page 257 In. 33
11	Total Annual Cost (line 8-9+10)	131,000,625	41,840,040	23,475,395	
12	LTD Cost of Capital (line 11/7)	5.59%	4.12%	4.22%	
Preferred Stock					
13	Outstanding Stock (A/C 204)	116,200,000	-	-	FF1 page 112 In. 3
14	Premium on PS (A/C 207)	820,027	-	-	G/L
15	Discount on PS (A/C 213)	-	-	-	
16	Unamortized Issue Expense (A/C 214)	202,574	-	-	FF1 page 112 In. 10
17	Net Proceeds (Year End) line 13+14-15-16	116,817,453	-	-	
18	Net Proceeds (BOY / EOY Average)	116,792,132	-	-	(Line 17 + prior YE Net Proceeds) / 2
19	Issue Expense Amortization (A/C 214)	50,643	-	-	FF1 page 112 In. 10 (diff. in py & cy)
20	Dividend (A/C 437)	5,558,609	-	-	FF1 page 118 In. 25
21	Annual Expense (line 19+20)	5,609,252	-	-	
22	PS Cost of Capital (line 21/18)	4.80%	-	-	
23	Proprietary Capital (A/C 201 to 219)	2,818,693,815	1,131,876,004	579,105,823	FF1 page 112 In. 16
24	Common Equity (line 23-17)	2,701,876,362	1,131,876,004	579,105,823	
25	Common Equity (BOY / EOY Average)	2,619,819,316	1,109,195,647	568,557,308	(Line 24 + prior YE common equity) / 2

Northeast Utilities System Companies'
AFUDC Equity Amortization in Depreciation - 2013
for Rates billed June 1, 2014 - May 31, 2015
Pre-1997

Attachment I

	<u>Transmission</u> (A)	<u>PTF Allocator</u> (B)	<u>Transmission</u> <u>PTF level</u> (C)=(A)x(B)	<u>General</u> <u>Transmission</u> (D)	<u>PTF Allocator</u> (E)	<u>General</u> <u>PTF level</u> (F)=(D)x(E)	<u>Total at</u> <u>PTF level</u> (G)=(C)+(F)
CL&P	2,180,618	12.3429%	269,151	132,676	12.3429%	16,376	285,527
PSNH	196,180	14.3959%	28,242	30,857	14.3959%	4,442	32,684
WMECO	163,530	6.6658%	10,901	1,249	6.6658%	83	10,984
	<u>2,540,328</u>		<u>308,294</u>	<u>164,782</u>		<u>20,901</u>	<u>329,195</u>

Northeast Utilities System Companies'
AFUDC Equity Amortization in Depreciation - 2013
for Rates billed June 1, 2014 - May 31, 2015
Post-1996

	<u>Transmission</u> (A)	<u>PTF Allocator</u> (B)	<u>Transmission</u> <u>PTF level</u> (C)=(A)x(B)	<u>General</u> <u>Transmission</u> (D)	<u>PTF Allocator</u> (E)	<u>General</u> <u>PTF level</u> (F)=(D)x(E)	<u>Total at</u> <u>PTF level</u> (G)=(C)+(F)
CL&P	2,180,618	76.0788%	1,658,988	132,676	76.0788%	100,938	1,759,926
PSNH	196,180	78.1693%	153,353	30,857	78.1693%	24,121	177,474
WMECO	163,530	86.5635%	141,557	1,249	86.5635%	1,081	142,638
	<u>2,540,328</u>		<u>1,953,898</u>	<u>164,782</u>		<u>126,140</u>	<u>2,080,038</u>

Note: This worksheet represents the "C" component of the Federal and State Income Tax Formula.

Connecticut Light and Power Company					
2013 PTF Activity					
	Beginning				Ending
	Balance			Adjustments/	Balance
Plant Account	01/01/2013	Additions	Retirements	Transfers	12/31/2013
350	74,193,788.12	1,401,516.76	0.00	913,058.33	76,508,363.21
352	45,916,129.59	684,453.14	(44,546.40)	649,811.62	47,205,847.95
353	782,059,721.69	139,885,500.64	(4,209,662.38)	414,506.35	918,150,066.30
354	27,807,177.64	589,788.53	(105,855.30)	0.00	28,291,110.87
355	350,315,036.69	88,051,581.07	(1,334,566.99)	(572,404.18)	436,459,646.59
356	224,765,203.52	15,627,317.79	(595,409.26)	0.83	239,797,112.88
357	394,385,258.09	289,038.95	0.00	4,269.51	394,678,566.55
358	388,638,511.34	189,015.20	0.00	2,793.46	388,830,320.00
359	33,499,309.05	10,853,294.53	0.00	0.00	44,352,603.58
Grand Total	2,321,580,135.73	257,571,506.61	(6,290,040.33)	1,412,035.92	2,574,273,637.93

Public Service Company of New Hampshire					
2013 PTF Activity					
	Beginning				Ending
	Balance			Adjustments/	Balance
Plant Account	01/01/2013	Additions	Retirements	Transfers	12/31/2013
350	18,442,046.13	413,294.95	0.00	1,013,667.41	19,869,008.49
352	37,821,629.61	33,649,169.71	(205.56)	36,356.72	71,506,950.48
353	263,735,678.43	22,101,205.89	(739,575.89)	(490,141.97)	284,607,166.46
354	9,705,137.54	0.00	0.00	0.00	9,705,137.54
355	100,754,637.24	20,865,927.98	(79,348.27)	0.00	121,541,216.95
356	59,008,271.01	2,323,950.04	(140,298.48)	0.00	61,191,922.57
357	0.00	0.00	0.00	0.00	0.00
358	0.00	0.00	0.00	0.00	0.00
359	792,537.44	7,222.18	0.00	116.21	799,875.83
Grand Total	490,259,937.40	79,360,770.75	(959,428.20)	559,998.37	569,221,278.32

Western Massachusetts Electric Company					
2013 PTF Activity					
	Beginning				Ending
	Balance			Adjustments/ Transfers	Balance
<u>Plant Account</u>	<u>1-1-13</u>	<u>Additions</u>	<u>Retirements</u>	<u>Transfers</u>	<u>12-31-13</u>
350	10,961,120.26	980,018.87	(151,421.83)	17,419,167.40	29,208,884.70
352	23,349,932.98	(12,267,722.16)		80,382.59	11,162,593.41
353	170,993,617.22	119,043,024.53	(2,336,498.35)	17,675,027.41	305,375,170.82
354	1,059,716.22	755,945.33	(165,215.97)		1,650,445.58
355	125,144,152.33	104,420,413.86	(1,093,044.13)	(18,116,748.04)	210,354,774.02
356	178,333,985.08	21,006,448.76	(3,156,635.50)	(4,975,004.77)	191,208,793.57
357	295,249.06			(295,249.06)	0.00
358	2,215,244.99			(2,215,244.99)	0.00
359	154,212.55	872,119.78			1,026,332.33
Grand Total	512,507,230.69	234,810,248.97	(6,902,815.77)	9,572,330.54	749,986,994.43

Norwood Municipal Light Department

Sheet: Input Panel

Input Panel

Regional Network Service
Annual Transmission Revenue Requirements
per Attachment F of the ISO New England Inc. Open Access Transmission Tariff

 Shading denotes an input

Submitted on: 5/12/2014

Revenue Requirements for (year): 2013

Customer: Norwood Municipal Light Department

Customer's NABs Number: 158

Name of Participant responsible for customer's billing: Malcolm McDonald

DUNs number of Participant responsible for customer's billing: 08-421-1572

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	<u> </u> (a)	<u>2,598,625</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u>0</u> (h)
Total of Attachment F - Section L through O	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>0</u> (e)=(a)-(b)+(c)+(d)	<u>2,598,625</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements		0 (m)
Annual True-up		<u>(33,726)</u> (n)
Interest Charge on Annual True-up	- (l)	<u>(1,124)</u> (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	0 (p)	2,563,775 (q)
Annual Projected 2014 Revenue Requirement Total = Sum of Pre-97 Revenue Requirements, plus Post-96 Revenue Requirements, plus Annual True-up, and plus Interest on Annual True-up:		<u>2,563,775</u> (r) = (p)+(q)

Norwood Municipal Light Department
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2013 and billed 06/13-05/14

RNS Rate

		Attachment F			
Line No.	I. INVESTMENT BASE	Reference	Pre 1997	Post 1996	Reference
		Section:			
1	Transmission Plant	I (A)(1)(a)	0	6	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	0	292,597	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	I (A)(1)(c)	0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>0</u>	<u>16,242,364</u>	
5	Accumulated Depreciation	I (A)(1)(d)	0	3,856,531	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	I (A)(1)(e)	0	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	I (A)(1)(f)	0	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	I (A)(1)(g)	0	0	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>0</u>	<u>12,385,833</u>	
10	Prepayments	I (A)(1)(h)	0	2,364	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	0	0	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	0	25,454	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		<u>0</u>	<u>12,413,651</u>	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	0	993,092	Worksheet 2
15	Depreciation Expense	I (B)	0	480,539	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	I (C)	0	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	I (D)	0	0	Worksheet 4, line 5 column 5
18	Property Taxes	I (E)	0	932,467	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	0	22,620	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	0	59,994	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	0	143,639	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	I (I)	0	0	
23	Transmission Support Revenue	I (J)	0	0	Worksheet 7
24	Transmission Support Expense	I (K)	0	0	Worksheet 7
25	Transmission Related Expense from Generators	I (L)	0	0	
26	Transmission Related Taxes and Fees Charge	I (M)	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	I (N)	0	0	Txm related Acct 456
28	Transmission Rents Received from Electric Properties	I (O)	0	0	Txm related Acct 454-rent
29	Total Revenue Requirements (Line 14 thru 28)		<u>0</u>	<u>2,632,351</u>	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			2,598,625	
31	Post-2003 Enhanced Return Addition to Revenue Requirement			-	
32	Total Post-96 PTF Revenue Requirement			2,598,625	
33	Post-96 PTF Transmission Plant in Service			15,910,580	
34	Post-96 Carrying Charge Factor (Post-96 CCF)			43872516.7%	
35	Forecasted Post-96 PTF Plant Additions			0	
36	Forecasted Post-96 Localized PTF Plant Additions			0	
37	Forecasted Post-96 Pool-Supported PTF Plant Additions			0	
38	Post-96 Estimated Incremental Revenue Requirement			<u>0</u>	

RNS Rate

**Norwood Municipal Light Department
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2013**

1 2013 Actual Annual RR			0	2,598,625	Input Panel Subtotals
2 2013 Est. Transmission Revenue Requirements (as billed)	6/12-05/13	Appendix C	0	2,632,351	ATRR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)			0	-33,726	

Pre'97
Post'96

(Overcollection)/Undercollection \$0 (\$33,726)

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2013	\$0	-\$33,726	0.27%	\$0	(\$91)
July 2013	0	-33,817	0.28%	0	(\$95)
August 2013	0	-33,817	0.28%	0	(\$95)
September 2013	0	-33,817	0.27%	0	(\$91)
October 2013	0	-34,098	0.28%	0	(\$95)
November 2013	0	-34,098	0.27%	0	(\$92)
December 2013	0	-34,098	0.28%	0	(\$95)
January 2014	0	-34,381	0.28%	0	(\$96)
February 2014	0	-34,381	0.25%	0	(\$86)
March 2014	0	-34,381	0.28%	0	(\$96)
April 2014	0	-34,659	0.27%	0	(\$94)
May 2014	0	-34,659	0.28%	0	(\$97)
		Total Interest		\$0	-\$1,124
		True-Up		\$0	-\$33,726
		Total TU & Int		\$0	-\$34,850

Sheet: Input Panel

NEPOOL Tariff Billing
NEPOOL Annual Transmission Revenue Requirements
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on: May 12, 2014

Revenue Requirements for (year): Calendar Year 2013

Customer: Norwood Municipal Light Department

Customer's NABs Number: 158

Name of Participant responsible for customer's billing: Malcolm McDonald

DUNs number of Participant responsible for customer's billing: 08-421-1572

	<u>Pre-97 Revenue Requirements</u>	<u>Post-97 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	_____ (a)	2,598,625 (f)
Total of Attachment F - Section J - Support Revenue	0 (b)	0 (g)
Total of Attachment F - Section K - Support Expense	0 (c)	0 (h)
Total of Attachment F - Section (L through O)	0 (d)	0 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	0 (e)=(a)-(b)+(c)+(d)	2,598,625 (j)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		2,598,625 (k) = (e) + (j)
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		0 (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		0 (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		0 (h)
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		2,598,625 (l)=(k)+(b)+(g)-(h)

Calendar Year 2013

Shading denotes an input

Line No.		Attachment F Reference	Norwood	Reference
	I. INVESTMENT BASE			
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	15,949,760	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	285,507	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		16,235,267	
5	Accumulated Depreciation	(A)(1)(d)	4,033,026	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		12,202,241	
10	Prepayments	(A)(1)(h)	2,343	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	22,717	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		12,227,301	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	978,184	Worksheet 2
15	Depreciation Expense	(B)	482,946	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	932,467	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	23,291	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	52,025	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	129,712	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		2,598,625	

Norwood Municipal Light Department
Annual Revenue Requirements
Calendar Year 2013

Shading denotes an input

	<u>CAPITALIZATION</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{12,227,301} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{12,227,301} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 12,227,301	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>978,184</u>	To Worksheet 1

Norwood Municipal Light Department

Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 24,496,222		24,496,222	65.1111%	15,949,760	Line 1, Worksheet 5
2	4,781,607	9.1704% (a)	438,492	65.1111%	285,507	Page 8B line 29(g)
3			<u>24,934,714</u>		<u>16,235,267</u>	
4	0		0	65.1111%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	6,050,914		6,050,914	65.1111%	3,939,817	Page 8A, line 31(g) less Page 16, line 31(g)
6	1,561,049	9.1704% (a)	143,154	65.1111%	93,209	Page 8B, line 29(g) less Page 17, line 29(g)
7			<u>6,194,068</u>		<u>4,033,026</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	33.5564% (c)	0	65.1111%	0	None known
9	0	33.5564% (c)	0	65.1111%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	33.5564% (c)	0	65.1111%	0	None known
<u>Other Regulatory Assets</u>						
12	0	9.1704% (a)	0	65.1111%	0	None known
13	0	33.5564% (c)	0	65.1111%	0	None known
14	0	33.5564% (c)	0	65.1111%	0	
15			<u>0</u>		<u>0</u>	
16	39,235	9.1704% (a)	3,598	65.1111%	2,343	Assumed none
17	0		0	65.1111%	0	Assumed none
<u>Cash Working Capital</u>						
19					52,025	Worksheet 1, Line 20
20					129,712	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					<u>181,737</u>	
23					0.125	x 45 / 360
24					<u>22,717</u>	

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

Norwood Municipal Light Department

Calendar Year 2013

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Depreciation Expense</u>						
1	728,967		728,967	65.1111%	474,638	Page 16, line 31(d)
2	139,129	9.1704% (a)	12,759	65.1111%	8,308	Page 17, line 29(d)
3			741,726		482,946	
4	0	33.5564% (c)	0	65.1111%	0	None known
5	0	33.5564% (c)	0	65.1111%	0	None known
<u>Property Taxes *</u>						
6	1,100,000 (d)	100.0000%	1,100,000	84.7697%	932,467	DTE, p. 21 line 24
7	0	2.2482% (a)	0	84.7697%	0	DTE, p. 21 line 24
8			1,100,000		932,467	
<u>Transmission Operation and Maintenance</u>						
9	2,876,624		2,876,624	0.651111	1,873,002	Page 40, line 50(b)
10	2,363,257		2,363,257	0.651111	1,538,743	Page 40, line 38(b)
11	0		0	0.651111	0	Page 40, line 34(b)
12	433,465		433,465	0.651111	282,234	Page 40, line 35(b) 40(b)
13	79,902		513,367	65.1111%	52,025	
<u>Transmission Administrative and General</u>						
14	1,884,794					Page 42, line 6(b)
15	109,375					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	3,262					assumed none
18	1,772,157	9.1704% (a)	162,514	65.1111%	105,815	
19	109,375	33.5564% (c)	36,702	65.1111%	23,897	
20	0	33.5564% (c)	0	65.1111%	0	
21	0	33.5564% (c)	0	65.1111%	0	
22	1,881,532		199,216		129,712	
23	390,073	9.1704% (a)	35,771	65.1111%	23,291	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16
 (d) Property Taxes are for Transmission Related Plant only

Shading denotes an input

Calendar Year 2013

<u>Line No.</u>		<u>Mass DTE AR Reference</u>
-----------------	--	------------------------------

PTF Transmission Plant Allocation Factor

Norwood

1	PTF Transmission Investment	15,949,767	See Worksheet Page 8A, line 31(g)
2	Total Transmission Investment	24,496,222	
3	Percent Allocation (Line 1/Line 2)	65.1111%	

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	277,794	See Worksheet Worksheet 6 & 6a of 8
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	277,794	
7	Total Wages and Salaries	3,546,117	Page 42, line 24 (c) Page 41, line 43(b) Worksheet 6 & 6a of 8
8	Administrative and General Wages and Salaries	516,884	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	3,029,233	
11	Percent Allocation (Line 6/Line 10)	9.1704%	

Plant Allocation Factor

12	Total Transmission Investment	24,496,222	Line 2 Worksheet 3, Line 2
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	438,492	
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	24,934,714	
15	Total Plant in Service	74,306,821	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	33.5564%	

Affiliated Company Wages and Salaries

Shading denotes an input

Calendar Year 2013

Line	Norwood
"Affiliated" Transmission Wages and Salaries	
#560 - 573	
1	560
2	562
3	564
4	566
5	568
6	569
7	570
8	571
9	572
10	573
11 = 1 thru 10	Total Transmission
	0
12 = Total "Affiliated" Wages and Salaries	
	0
Less "Affiliated" Administrative and General Salaries	
#920 - 935	
13	920
14	921
15	923
16	925
17	926
18	928
19	930
20	935
21 = 13 thru 20	Total
	0
22 = 12 less 21	
	Total "Affiliated" less A&G
	0

NORWOOD

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

NSTAR Electric Company

Regional Network Service
Annual Transmission Revenue Requirements
per Attachment F of the ISO New England Inc. Open Access Transmission Tariff

Submitted on: May 31, 2014

Revenue Requirements for (year): Calendar Year 2013

Customer: NSTAR Electric Company

Customer's NABs Number: # 3

Name of Participant responsible for customer's billing: NSTAR Electric Company

DUNS number of Participant responsible for customer's billing: # 00-695-1552

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>54,821,869</u> (a)	<u>160,323,889</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>411,501</u> (b)	<u>-</u> (g)
Total of Attachment F - Section K - Support Expense	<u>1,206,217</u> (c)	<u>-</u> (h)
Total of Attachment F - Section L through O	<u>(2,691,704)</u> (d)	<u>(127,258)</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>\$ 52,924,881</u> (e)=(a)-(b)+(c)+(d)	<u>\$ 160,196,631</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements	- n/a	12,505,229 (k)
Annual True-up	(3,317,562) (l)	18,330,845 (m)
Docket No. FA12-10-000 - Merger-related Internal Labor Cost Adjustment	<u>(49,081)</u> (n)	<u>(99,641)</u> (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	49,558,238 (p)	190,933,064 (q)
Annual Projected 2012 Revenue Requirement Total = Sum of Pre-97 Revenue Requirements, plus Post-96 Revenue Requirements, plus Annual True-up, and plus Interest on Annual True-up:		<u><u>\$ 240,491,302</u></u> (r) = (p)+(q)

NSTAR Electric Company
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2012 06/13-05/14

Line No. I.	INVESTMENT BASE	Attachment F Reference	Pre 1997	Post 1996	Reference
		Section:			
1	Transmission Plant	II (A)(1)(a)	\$ 394,658,617	\$ 1,135,945,382	Sheet 4, line 2
2	General Plant	II (A)(1)(b)	3,036,874	8,741,030	Sheet 4, line 3
3	Plant Held For Future Use	II (A)(1)(c)	-	2,092,836	Sheet 4, line 5
4	Total Plant		<u>\$ 397,695,491</u>	<u>\$ 1,146,779,248</u>	Sum Lines 1 thru 3
5	Accumulated Depreciation	II (A)(1)(d)	(93,983,105)	(270,511,448)	Sheet 4, line 9
6	Accumulated Deferred Income Taxes	II (A)(1)(e)	(71,774,200)	(206,587,584)	Sheet 4, line 14
7	Loss On Recquired Debt	II (A)(1)(f)	858,878	2,472,107	Sheet 4, line 15
8	Other Regulatory Assets	II (A)(1)(g)	5,211,114	14,999,143	Sheet 4, line 20
9	Net Investment		<u>\$ 238,008,178</u>	<u>\$ 687,151,466</u>	Sum Lines 4 thru 8
10	Prepayments	II (A)(1)(h)	433,608	1,248,053	Sheet 4, line 21
11	Materials & Supplies	II (A)(1)(II)	5,708,688	16,431,310	Sheet 4, line 22
12	Cash Working Capital	II (A)(1)(j)	1,051,767	2,741,370	Sheet 4, line 29
13	Total Investment Base		<u>\$ 245,202,241</u>	<u>\$ 707,572,199</u>	Sum Lines 9 thru 12
	II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	II (A)	\$ 31,254,949	\$ 92,491,259	Sheet 3, Line 26
15	Depreciation Expense	II (B)	8,543,114	24,589,633	Sheet 5, Line 4
16	Amortization of Loss on Recquired Debt	II (C)	120,989	348,242	Sheet 5, Line 5
17	Investment Tax Credit	II (D)	(82,974)	(238,824)	Sheet 5, Line 6
18	Property Taxes	II (E)	7,192,831	20,703,115	Sheet 5, Line 8
19	Payroll Tax Expense	II (F)	173,542	499,505	Sheet 5, Line 28
20	Operation & Maintenance Expense	II (G)	4,812,193	13,850,927	Sheet 5, Line 14
21	Administrative & General Expense	II (H)	2,807,225	8,080,032	Sheet 5, Line 27
22	Transmission Related Integrated Facilities Charge	II (I)	-	-	
23	Transmission Support Revenue	II (J)	(411,501)	-	Sheet 7, Line 8
24	Transmission Support Expense	II (K)	1,206,217	-	Sheet 7, Line 8
25	Transmission Related Expense from Generators	II (L)	-	-	
26	Transmission Related Taxes and Fees Charge	II (M)	-	-	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	II (N)	(44,202)	(127,258)	OATT Schedule 8 TOUT
28	Transmission Rents Received from Electric Property	II (O)	(2,647,502)	-	
29	Total Revenue Requirements		<u>\$ 52,924,881</u>	<u>\$ 160,196,631</u>	Sum Lines 14 thru 28
	III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT				
30	Carrying Charge Factor Base Revenue Requirement Numerator			\$ 160,323,889	Line 29 - Line 27
31	Less Post-2003 Enhanced Return Addition to Revenue Requirement			2,299,154	Sheet 3, Line 25
32	Total Post-96 PTF Revenue Requirement			<u>\$ 158,024,735</u>	Line 30 - Line 31
33	Post-96 PTF Transmission Plant in Service			\$ 1,135,945,382	Line 1
34	Post-96 Carrying Charge Factor (Post-96 CCF)			0.1391	Line 32 / Line 33
35	Forecasted Post-96 PTF Plant Additions			<u>\$ 89,901,000</u>	
36	Post-96 Estimated Incremental Revenue Requirement			<u>\$ 12,505,229</u>	Line 34 * Line 35

NSTAR Electric Company
FERC Interest Calculation associated with Under / (Over)
True-up and Interest Calculation 06/13-05/14

1	2013 Est. Transmission Revenue Requirements (as billed)	6/13-05/14	Appendix C	56,135,456	142,456,932	ATRR - Prior Year
2	2013 Actual Annual RR			52,924,881	160,196,631	ATRR - Current Year
3	True-up Over/(Under) (Line 1 - Line 2)			3,210,575	(17,739,699)	

	(Overcollection)/Undercollection
Pre'97	(\$3,210,575)
Post'96	\$17,739,699

Initial Billing Period	Pre-1997 Balance	Post-1996 Balance	FERC Monthly Interest Rate	Pre-1997 Interest Balance	Post-1996 Interest Balance
June 2012	\$ (3,210,575)	\$ 17,739,699	0.27%	\$ (8,669)	\$ 47,897
July 2012	\$ (3,219,244)	\$ 17,787,596	0.28%	\$ (9,014)	\$ 49,805
August 2012	\$ (3,219,244)	\$ 17,787,596	0.28%	\$ (9,014)	\$ 49,805
September 2012	\$ (3,219,244)	\$ 17,787,596	0.27%	\$ (8,692)	\$ 48,027
October 2012	\$ (3,245,964)	\$ 17,935,233	0.28%	\$ (9,089)	\$ 50,219
November 2012	\$ (3,245,964)	\$ 17,935,233	0.27%	\$ (8,764)	\$ 48,425
December 2012	\$ (3,245,964)	\$ 17,935,233	0.28%	\$ (9,089)	\$ 50,219
January 2013	\$ (3,272,906)	\$ 18,084,096	0.28%	\$ (9,164)	\$ 50,635
February 2013	\$ (3,272,906)	\$ 18,084,096	0.25%	\$ (8,182)	\$ 45,210
March 2013	\$ (3,272,906)	\$ 18,084,096	0.28%	\$ (9,164)	\$ 50,635
April 2013	\$ (3,299,416)	\$ 18,230,576	0.27%	\$ (8,908)	\$ 49,223
May 2013	\$ (3,299,416)	\$ 18,230,576	0.28%	\$ (9,238)	\$ 51,046
Total Surcharge/(Refund)				\$ (3,317,562)	\$ 18,330,845
			Interest	Principal	Total
		Pre-1997	\$ (106,987)	\$ (3,210,575)	\$ (3,317,562)
		Post-1996	\$ 591,146	\$ 17,739,699	\$ 18,330,845
		Total	\$ 484,159	\$ 14,529,124	\$ 15,013,283

* Interest Rate per FERC Web Site. Calculation in accordance with Section 35.19a.
<http://www.ferc.gov/legal/acct-matts/interest-rates.asp>

NSTAR Transmission 2014 PTF In-Service Forecast
(\$'s X 1000)

Company	ISO-NE Project ID	Project Title	Estimated PTF In-Service
NSTAR	N/A	Overhead Infrastructure Replacements	\$ 42,316
NSTAR	1175, 1338	Boston Network Solutions	\$ 13,860
NSTAR	N/A	Land Purchase for New Substation - Hyde Park	\$ 11,000
NSTAR	592, 1068, 1118, 1349-1351	SEMA	\$ 9,240
NSTAR	N/A	Underground Infrastructure Replacements	\$ 8,966
NSTAR	N/A	New Control Houses at K Street, Mystic and Brighton	\$ 2,289
NSTAR	1339	Greater Boston Study Projects	\$ 330
NSTAR	N/A	Bulk Power System Upgrades in Millbury/Bridgewater	\$ 315
NSTAR	1394	Breakers, Disconnects & CCVT's	\$ 289
NSTAR	1065	Bulk Power System Upgrades in Watham	\$ 209
NSTAR	N/A	Additional PTF Reliability Projects	\$ 1,087
		Total CL&P	\$ 89,901

ISO New England Inc.
 FERC Electric Tariff No. 3
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 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3
 NSTAR Electric Company
 Sheet 1

Submitted on:

Revenue Requirements for (year):

Customer:

Customer's NABs Number:

Name of Participant responsible for customer's billing:

DUNs number of Participant responsible for customer's billing:

May 31, 2014
Calendar Year 2013
NSTAR Electric Company
3
NSTAR Electric Company
00-695-1552

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I	= \$ <u>54,821,869</u> (a)	\$ <u>160,323,889</u> (f)
Total of Attachment F - Section J - Support Revenue	= \$ <u>411,501</u> (b)	\$ <u>-</u> (g)
Total of Attachment F - Section K - Support Expense	= \$ <u>1,206,217</u> (c)	\$ <u>-</u> (h)
Total of Attachment F - Sections L-O	= \$ <u>(2,691,704)</u> (d)	\$ <u>(127,258)</u> (i)
Sub Total - Sum (A through H) - J + K+ (L through O)	= \$ <u>52,924,881</u> (e)=(a)-(b)+(c)+(d)	\$ <u>160,196,631</u> (j)
Docket No. FA12-10-000 - Merger-Related Internal Labor Cost Adjustment	<u>(49,081)</u> (k)	<u>(99,641)</u> (l)
Total = (e) + (j) + (k) + (l)	<u><u>52,875,800</u></u> (m)	<u><u>160,096,990</u></u> (n)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		\$ <u><u>212,972,790</u></u> (o) = (m) + (n)

ISO New England Inc.
 FERC Electric Tariff No. 3
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 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3
 NSTAR Electric Company
 Sheet 2

Line	Investment Base	Attachment F Reference		Reference	
		Section:	Pre-1997	Post-1996	
	Col.A	Col.B	Col.C	Col.D	Col.E
1	Transmission Plant	II (A)(1)(a)	\$ 394,658,617	\$ 1,135,945,382	Sheet 4, line 2
2	General Plant	II (A)(1)(b)	3,036,874	8,741,030	Sheet 4, line 3
3	Plant Held For Future Use	II (A)(1)(c)	-	2,092,836	Sheet 4, line 5
4	Total Plant		397,695,491	1,146,779,248	Sum Lines 1 thru 3
5	Accumulated Depreciation	II (A)(1)(d)	(93,983,105)	(270,511,448)	Sheet 4, line 9
6	Accumulated Deferred Income Taxes	II (A)(1)(e)	(71,774,200)	(206,587,584)	Sheet 4, line 14
7	Loss On Reacquired Debt	II (A)(1)(f)	858,878	2,472,107	Sheet 4, line 15
8	Other Regulatory Asssets	II (A)(1)(g)	5,211,114	14,999,143	Sheet 4, line 20
9	Net Investment		238,008,178	687,151,466	Sum Lines 4 thru 8
10	Prepayments	II (A)(1)(h)	433,608	1,248,053	Sheet 4, line 21
11	Materials & Supplies	II (A)(1)(II)	5,708,688	16,431,310	Sheet 4, line 22
12	Cash Working Capital	II (A)(1)(j)	1,051,767	2,741,370	Sheet 4, line 29
13	Total Investment Base		\$ 245,202,241	\$ 707,572,199	Sum Lines 9 thru 12
<u>Revenue Requirement</u>					
14	Investment Return and Income Taxes	II (A)	31,254,949	\$ 92,491,259	Sheet 3, Line 26
15	Depreciation Expense	II (B)	8,543,114	24,589,633	Sheet 5, Line 4
16	Amortization of Loss on Reacquired Debt	II (C)	120,989	348,242	Sheet 5, Line 5
17	Investment Tax Credit	II (D)	(82,974)	(238,824)	Sheet 5, Line 6
18	Property Taxes	II (E)	7,192,831	20,703,115	Sheet 5, Line 8
19	Payroll tax Expense	II (F)	173,542	499,505	Sheet 5, Line 27
20	Operation & Maintenance Expense	II (G)	4,812,193	13,850,927	Sheet 5, Line 14
21	Administrative & General Expense	II (H)	2,807,225	8,080,032	Sheet 5, Line 26
22	Transmission Related Integrated Facilities Charge	II (I)	-	-	
23	Transmission Support Revenue	II (J)	(411,501)	-	Sheet 7, Line 8
24	Transmission Support Expense	II (K)	1,206,217	-	Sheet 7, Line 8
25	Transmission Related Expense from Generators	II (L)	-	-	
26	Transmission Related Taxes and Fees Charge	II (M)	-	-	
27	Revenue for ST Trans Service Under NEPOOL Tariff	II (N)	(44,202)	(127,258)	OATT Schedule 8 TOUT
28	Transmission Rents Received for Electric Property	II (O)	(2,647,502)	-	
29	Total Revenue Requirements		\$ 52,924,881	\$ 160,196,631	Sum Lines 14 thru 28
30	Total			\$ 213,121,512	Sum Line 29, Col C & Col D

ISO New England Inc.
 FERC Electric Tariff No. 3
 Open Access Transmission Tariff
 Section II - Attachment F Implementation Rule
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3
 NSTAR Electric Company
 Sheet 3

Line	Description	Capitalization 12/31/13	Weighted Capitalization	Weighted Cost of Capital	Weighted Cost of Capital	Equity Portion	
	Col.A	Col.B	Col.C	Col.D	Col.E	Col.F	
1	Long-Term Debt	\$ 1,794,716,740	42.22%	4.29%	1.81%		FF1 112.24(c)
2	Preferred Stock	43,000,000	1.01%	4.56%	0.05%	0.05%	FF1 112.3(c)
3	Common Equity	2,413,047,746	56.77%	11.64%	6.61%	6.61%	FF1 112.16(c) less Line 3(c)
4	Total Investment Return	\$ 4,250,764,486	100.00%		8.47%	6.66%	Sum of Lines 1 to 3
ROE per ISO New England Inc. Transmission, Markets and Services Tariff, Section II Attachment F II.A.2.(iii), page 231 http://www.iso-ne.com/regulatory/tariff/sect_2/oatt/sect_ii.pdf							
5	Federal Income Tax (FIT)						
6	A= Preferred & Equity Return	6.66%	6.66%				Line 4, Col F
7	B= Transmission Related Amortization of ITC	\$ (82,974)	\$ (238,824)				Sheet 2, Line 17
8	C= Equity AFUDC Component of Depreciation Expense	\$ -	\$ -				Equity AFUDC Component of Tramsion Dep Exp
9	D= Transmission Investment Base	\$ 245,202,241	\$ 707,572,199				Sheet 2, Line 13
10	FT = Federal Income Tax Rate	35.00%	35.00%				Federal Income Tax Rate
11	FIT = (A+[C+B]/D)(FT)/(1-FT)	3.56790%	3.56800%				Federal Income Tax
12	ST = State Income Tax Rate	6.50%	6.50%				State Tax Rate
13	State IncomeTax (SIT)						
14	SIT = (A+[(C+B)/D]+Federal Income Tax)(ST)/(1-ST)	0.7087%	0.7087%				State IncomeTax
15	Allowed Return	12.7466%	12.7467%				line 4, Col.E + Line 11 + Line 14
16	D= Transmission Investment Base	\$ 245,202,241	\$ 707,572,199				Sheet 2, Line 13
17	Return	\$ 31,254,949	\$ 90,192,105				Line 15 * Line 16
18	Incremental return for Post 2003 PTF Investment						
19	A= Incremental Return		1.0000%				Incremental return on Equity Component
20	Effective Incremental (a')		0.5700%				line 19 * line 3, Col B / line 4, Col B
21	Additional FIT (a'/A')		0.3069%				Incremental FIT = (A' x FT)/(1-FT)
22	Additional SIT (a'/A')		0.0610%				Incremental SIT = (A' + FIT)(ST)/(1-ST)
23	Additional Return		0.9379%				Sum lines 20 thru 22
24	Post 2003 PTF net Investment		\$ 245,138,489				Sheet 8, line 15
25	Additional 100 bp Return Post 2003 PTF Investment		\$ 2,299,154				Line 23 * Line 24
26	Total Return	\$ 31,254,949	\$ 92,491,259				Line 17 + Line 25
27	Incremental return for PTF 50 Basis Point Adder						
28	Long-Term Debt	\$ 1,794,716,740	42.22%	4.29%	1.81%		
29	Preferred Stock	43,000,000	1.01%	4.56%	0.05%		
30	Common Equity	2,413,047,746	56.77%	0.50%	0.28%	0.28%	
31	Total Investment Return	\$ 4,250,764,486	100.00%		2.14%	0.28%	
32	Federal Income Tax (FIT)						
33	A= Incremental Return	0.28%	0.28%				Line 31, Col F
34	B= Transmission Related Amortization of ITC	\$ -	\$ -				Sheet 2, Line 17
35	C= Equity AFUDC Component of Depreciation Expense	\$ -	\$ -				Equity AFUDC Component of Tramsion Dep Exp
36	D= Transmission Investment Base	\$ 245,202,241	\$ 707,572,199				Sheet 2, Line 13
37	FT = Federal Income Tax Rate	35.00%	35.00%				Federal Income Tax Rate
38	FIT = (A+[C+B]/D)(FT)/(1-FT)	0.15080%	0.15080%				Federal Income Tax
39	ST = State Income Tax Rate	6.50%	6.50%				State Tax Rate
40	State IncomeTax (SIT)						
41	SIT = (A+[(C+B)/D]+Federal Income Tax)(ST)/(1-ST)	0.0299%	0.0299%				State IncomeTax
42	Allowed Return	0.4607%	0.4607%				line 33 + Line 38 + Line 41
43	D= Transmission Investment Base	\$ 245,202,241	\$ 707,572,199				Sheet 2, Line 13
44	Return 50 bp Adder	\$ 1,129,647	\$ 3,259,785				Line 42 * Line 43
45	Total Return 50 bp Adder		\$ 4,389,432				Line 44 Pre-97 + Line 44 Post 96
46	Total Incremental Return		\$ 6,688,586				Line 25 + Line 45

ISO New England Inc.
 FERC Electric Tariff No. 3
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 Section II - Attachment F Implementation Rule
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3
 NSTAR Electric Company
 Sheet 4

Line	Description	Total	Allocation Factors	Transmission Allocated	Pre-97 PTF		Post-96 PTF		FERC Form 1 Reference for Col. B
					Allocation Factor (b)	Pre-97 PTF Allocated	Allocation Factor (b)	Post 96 PTF Allocated	
	Col.A	Col.B	Wage/Plant Col.C	Col.D (Col.B x Col.C)	Pre-97 PTF Col.E	Col.F (Col.D x Col.E)	Post 96 PTF Col.G	Col.H (Col.D x Col.G)	Col.I
1	<u>Transmission Plant</u>								
2	Transmission Plant (exc SCADA)	\$ 1,761,034,272		\$ 1,761,034,272		\$ 394,658,617		\$ 1,135,945,382	Sheet 6, Line 1
3	General Plant	\$ 184,576,602	7.3417% (a)	\$ 13,551,060	22.4106%	\$ 3,036,874	64.5044%	\$ 8,741,030	FF1 207.99(g)
4	Total Transmission Plant			\$ 1,774,585,332		\$ 397,695,491		\$ 1,144,686,412	Sum line 2 thru line 3
5	<u>Transmission Plant Held for Future Use</u>	\$ 2,092,836	100.0000%	\$ 2,092,836	0.0000%	\$ -	100.0000%	\$ 2,092,836	FF1 214.13(d) to 16(d)
6	<u>Transmission Accumulated Depreciation</u>								
7	Transmission Accum. Depreciation (e)	\$ (416,182,665)		\$ (416,182,665)	22.4106%	\$ (93,269,032)	64.5044%	\$ (268,456,131)	FF1 219.25(b)
8	General Plant Accum. Depreciation (e)	\$ (43,400,308)	7.3417% (a)	\$ (3,186,320)	22.4106%	\$ (714,073)	64.5044%	\$ (2,055,317)	FF1 219.28(b)
9	Total Transmission Acc Dep			\$ (419,368,985)		\$ (93,983,105)		\$ (270,511,448)	Sum line 7 thru line 8
10	<u>Transmission Accumulated Deferred Taxes</u>								
11	Accumulated Deferred Taxes (282) (d)	\$ (1,028,807,088)	27.6405% (c)	\$ (284,367,423)	22.4106%	\$ (63,728,446)	64.5044%	\$ (183,429,500)	Line 34
12	Accumulated Deferred Taxes (283)			\$ (42,195,787)	22.4106%	\$ (9,456,329)	64.5044%	\$ (27,218,139)	Sheet 9, Line 25, Col D
13	Accumulated Deferred Taxes (190)			\$ 6,294,230	22.4106%	\$ 1,410,575	64.5044%	\$ 4,060,055	Sheet 9, Line 10, Col D
14	Total			\$ (320,268,980)		\$ (71,774,200)		\$ (206,587,584)	Sum line 11 thru line 13
15	<u>Transmission loss on Reacquired Debt</u>	\$ 13,865,385	27.6405% (c)	\$ 3,832,462	22.4106%	\$ 858,878	64.5044%	\$ 2,472,107	FF1 111.81(c)
16	<u>Other Regulatory Assets</u>								
17	FAS 106	\$ -	7.3417% (a)	\$ -					FF1 232.1.25(f)
18	ASC 740 Regulatory Asset (FAS 109)	\$ 88,924,028	27.6405% (c)	\$ 24,579,046					FF1 232.1.14(f)
19	ASC 740 Regulatory Liability (FAS 109)	\$ (4,797,840)	27.6405% (c)	\$ (1,326,147)					FF1 278.2(f)
20	Total	\$ 84,126,188		\$ 23,252,899	22.4106%	\$ 5,211,114	64.5044%	\$ 14,999,143	Sum line 17 thru line 19
21	<u>Transmission Prepayments</u>	\$ 26,354,030	7.3417% (a)	\$ 1,934,834	22.4106%	\$ 433,608	64.5044%	\$ 1,248,053	FF1 111.57(c)
22	<u>Transmission Materials and Supplies</u>	\$ 25,473,161	100.0000%	\$ 25,473,161	22.4106%	\$ 5,708,688	64.5044%	\$ 16,431,310	FF1 227.8(c) + 227.5(c) Footnote
23	<u>Cash Working Capital</u>								
24	Operation & Maintenance Expense					\$ 4,812,193		\$ 13,850,927	Sheet 5, line 14
25	Administrative & General Expense					\$ 2,807,225		\$ 8,080,032	Sheet 5, line 26
26	Transmission Support Expense					\$ 794,716		\$ -	Sheet 7, line 9
27	Total					\$ 8,414,134		\$ 21,930,959	Sum line 24 thru line 26
28	45 day rule					0.1250		0.1250	= 45 / 360
29	Cash Working Capital					\$ 1,051,767		\$ 2,741,370	Line 27 * line 28
30	(a) Wages & Salaries Allocator Sheet 6, Line 13	7.3417%							
31	(b) PTF Allocator Sheet 6, Line 3				22.4106%		64.5044%		
32	(c) Plant Allocator Sheet 6, Line 18	27.6405%							
33	(d) Account 282	\$ 1,028,807,088	FF1 275.9(k)						
34	less amounts related to divestiture	\$ -	FF1 275.4(k)						
35	Total Account 282	\$ 1,028,807,088	Sum line 33 thru line 34						
36	(e) Reflects actual information per the Company's accounting records. Conforming revisions will be reflected in the 2014 FERC Form 1.								

ISO New England Inc.
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 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3
 NSTAR Electric Company
 Sheet 5

Shading denotes an input

Line	Description Col.A	Total Col.B	Wage/Plant Allocation Factors Col.C	Transmission Allocated Col.D (Col.B x Col.C)	Pre-97 PTF		Post 96 PTF		Reference for Col. B FF1 = FERC Form 1 Col.I
					Allocation Factor (b) Col.E	Pre-97 PTF Allocated Col.F (Col.D x Col.E)	Allocation Factor (b) Col.G	Post 96 PTF Allocated Col.H (Col.D x Col.G)	
1	Depreciation Expense								
2	Transmission Depreciation	\$ 37,514,145		\$ 37,514,145	22.4106%	\$ 8,407,145	64.5044%	\$ 24,198,274	FF1 336.7(b)
3	General Depreciation	\$ 8,263,975	7.3417% (a)	\$ 606,716	22.4106%	\$ 135,969	64.5044%	\$ 391,359	FF1 336.10(b)
4	Total	\$ 45,778,120		\$ 38,120,861		\$ 8,543,114		\$ 24,589,633	Sum line 2 thru line 3
5	Amortization of Loss on Reacquired Debt (e)	\$ 1,953,196	27.6405% (c)	\$ 539,873	22.4106%	\$ 120,989	64.5044%	\$ 348,242	FF1 117.64(c)
6	Amortization of Investment Tax Credits	\$ 1,339,500	27.6405% (c)	\$ 370,244	22.4106%	\$ 82,974	64.5044%	\$ 238,824	FF1 114.19(c)
7	Property Taxes								
8	Transmission Property Taxes	\$ 116,118,245	27.6405% (c)	\$ 32,095,664	22.4106%	\$ 7,192,831	64.5044%	\$ 20,703,115	FF1 263.5(i)
9	Transmission Operation and Maintenance								
10	Operation and Maintenance	\$ 381,313,112		\$ 381,313,112	22.4106%	\$ 85,454,556	64.5044%	\$ 245,963,735	FF1 321.112(b)
11	less: Transmission of Electricity by Others - #565	\$ 335,560,080		\$ 335,560,080	22.4106%	\$ 75,201,027	64.5044%	\$ 216,451,016	FF1 321.96(b)
12	less: Load Dispatching - #561 to #561.4	\$ 16,498,176		\$ 16,498,176	22.4106%	\$ 3,697,340	64.5044%	\$ 10,642,049	FF1 321.85(b)-321.88(b)
13	less: Rents - #567	\$ 7,782,016		\$ 7,782,016	22.4106%	\$ 1,743,996	64.5044%	\$ 5,019,743	FF1 321.98(b)
14	O&M for RNS Tariff	\$ 21,472,840		\$ 21,472,840		\$ 4,812,193		\$ 13,850,927	Line 10 - (Sum of line 11 thru 13)
15	Transmission Administrative and General								
16	Administrative and General	\$ 156,881,146							FF1 323.197(b)
17	less Office Supplies and Expenses (921) (d)	\$ -							FF1 323.182(b) Footnote
18	less Outside Services Employed (923) (d)	\$ -							FF1 323.184(b) Footnote
19	less Property Insurance (#924)	\$ 792,138							FF1 323.185(b)
20	less Regulatory Commission Expenses (#928)	\$ 10,054,374							FF1 323.189(b)
21	less Miscellaneous General Expenses (930.2) (f)	\$ 52,118							FF1 Page 320.192(b) Footnote
22	less General Advertising Expense (#930.1)	\$ 514,327							FF1 323.191(b)
23	Subtotal	\$ 145,468,189	7.3417% (a)	\$ 10,679,838	22.4106%	\$ 2,393,416	64.5044%	\$ 6,888,965	Line 16 - (Sum of line 17 thru 22)
24	Plus Property Ins. alloc. Using Plant Allocator	\$ 792,138	27.6405% (c)	\$ 218,951	22.4106%	\$ 49,068	64.5044%	\$ 141,233	Line 19
25	Plus Regulatory Comm. Exp (Transmission FERC Assessments)(g)	\$ 1,627,538	100.0000%	\$ 1,627,538	22.4106%	\$ 364,741	64.5044%	\$ 1,049,834	Line 35
26	Total A&G for RNS Tariff	\$ 147,887,865		\$ 12,526,327		\$ 2,807,225		\$ 8,080,032	Sum line 23 thru line 25
27	Payroll Tax Expense	\$ 10,547,609	7.3417% (a)	\$ 774,374	22.4106%	\$ 173,542	64.5044%	\$ 499,505	FF1 263.8(i)
28	(a) Wages & Ssalaries Allocator Sheet 6, Line 13	7.3417%							
29	(b) PTF Allocator Sheet 6, Line 3				22.4106%		64.5044%		
30	(c) Plant Allocator Sheet 6, Line 18	27.6405%							
31	(d) Merger related internal labor costs								
32	(e) Reflects actual information per the Company's accounting records. Conforming revisions will be reflected in the 2014 FERC Form 1.								
33	(f) NSTAR Green Program costs are excludable for Transmission billing purposes.								
34	(g) FERC Assessment			\$ 1,622,086					FF1 350.7(d)
35	Legal fees-Transmission			\$ 2,494					FF1 350.10(d)
36	Minor items-Transmission			\$ 2,958					FF1 350.12(d)
37	Total			\$ 1,627,538					Sum of line 34 thru 36

ISO New England Inc.
 FERC Electric Tariff No. 3
 Open Access Transmission Tariff
 Section II - Attachment F Implementation Rule
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3
 NSTAR Electric Company
 Sheet 6

Line	Description Col.A	Pre-1997 Col.B	Post - 1996 Col.C	Post - 2003 Col.D	Reference Col. E
<u>PTF Transmission Plant Allocation Factor</u>					
1	PTF Transmission Investment	\$ 394,658,617	\$ 1,135,945,382	\$ 330,134,363	(a)
2	Total Transmission Investment excluding SCADA	<u>\$ 1,761,034,272</u>	<u>\$ 1,761,034,272</u>	<u>\$ 1,761,034,272</u>	Sheet 8, Line 5, Col.G
3	Percent Allocation	22.4106%	64.5044%	18.7466%	Line 1 / Line 2
4	Total PTF Allocation (Pre 97 + Post 96)		86.9150%		Line 3, Col.B plus Col.C
<u>Transmission Wages and Salaries Allocation Factor</u>					
5	Direct Transmission Wages and Salaries	\$ 11,532,989			FF1 354.21(b)
6	Less EMC Transmission Wages and Salaries	2,264,490			Acct 561 Labor
7	Affiliated Company Transmission Wages and Salaries	-			N/A
8	Total Transmission Wages and Salaries	<u>\$ 9,268,499</u>			Line 5 - line 6 + line 7
9	Total Wages and Salaries	\$ 173,922,386			FF1 354.28(b)
10	Less Administrative and General Wages and Salaries	47,677,545			FF1 354.27(b)
11	Affiliated Company Wages and Salaries less A&G	-			N/A
12	Total Wages and Salaries net of A&G	<u>\$ 126,244,841</u>			Line 9 - line 10 + line 11
13	Percent Allocation		7.3417%		Line 8 / Line 12
<u>Plant Allocation Factor</u>					
14	Total Transmission Investment (exc SCADA)	\$ 1,761,034,272			Line 2
15	Plus Transmission Related General Plant	13,551,060			Sheet 4, Line 3, Col.D
16	Revised Numerator (Line 12 + Line 13)	<u>\$ 1,774,585,332</u>			Line 14 + Line 15
17	Total Plant in Service	<u>\$ 6,420,242,841</u>			FF1 207.104(g)
18	Percent Allocation		27.6405%		Line 16 / Line 17
(a)	Col (B) Pre-1997; Sheet 8, Line 1, Col (G). Col (C) Post-1996; Sheet 8, Line 2 + Line 3, Col (G). Col (D) Post-2003; Sheet 8, Line 3, Col (G).				

ISO New England Inc.
 FERC Electric Tariff No. 3
 Open Access Transmission Tariff
 Section II - Attachment F Implementation Rule
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3
 NSTAR Electric Company
 Sheet 7

Line	PTF Supporting Facilities	Revenues	Expenses	Reference
	Col.A	Col.B	Col.C	
1	NEP Lines 255-2337/2338	\$ 4,668		FF1 300.22(b) Footnote
2	Hydro Quebec Phase 2 Support	\$ 406,833		FF1 300.22(b) Footnote
3	Transmission support Revenue	\$ -		FF1 300.22(b) Footnote
4	New England Power Co		\$ (155,609)	FF1 332.1(h)
5	New England Power Support		\$ 6,853	FF1 321.98(b) Footnote
6	Hydro Quebec Phase II NEP AC, Chester SVC		\$ 1,292,020	FF1 321.98(b) Footnote
7	Transmission Line Rents		\$ 62,953	FF1 321.98(b) Footnote
8	Total	\$ 411,501	\$ 1,206,217	Sum of lines 1 thru 7
9	Net		\$ 794,716	Line 8, Col C - line 8, Col B

ISO New England Inc.
 FERC Electric Tariff No. 3
 Open Access Transmission Tariff
 Section II - Attachment F Implementation Rule
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3
 NSTAR Electric Company
 Sheet 8

Transmission Investment

Line	Description	12/31/12	Additions	Retirements	Transfers	Adjustments	12/31/2013
	Col.A	Col.B	Col.C	Col.D	Col.E	Col.F	Col.G
1	Pre-97 PTF(excl. SCADA)	\$398,330,325	\$1,278,644	(\$4,493,413)	(\$456,939)	\$ -	\$ 394,658,617
2	Post-96 PTF(excl. SCADA)	\$511,293,309	\$220,999,626	(\$3,649,209)	\$77,167,293	\$ -	\$ 805,811,019
3	Post-03 PTF (a)	\$328,309,849	\$1,362,434	(\$1,546,247)	\$2,008,327	\$ -	\$ 330,134,363
4	Non-PTF(excl. SCADA)	\$ 280,503,546	\$ 29,406,985	\$ (537,151)	\$ (78,943,107)	\$ -	\$ 230,430,273
5	Sub -Total Sum of Lines 1 thru line 4	\$ 1,518,437,029	\$ 253,047,689	\$ (10,226,020)	\$ (224,426)	\$ -	\$ 1,761,034,272
6	SCADA (Billed under Schedule 1)						
7	Pre-97 PTF	\$ 3,354,103	\$ -	\$ -	\$ -	\$ -	\$ 3,354,103
8	Post-96 PTF	\$ 7,916,648	\$ 49,504	\$ -	\$ -	\$ -	\$ 7,966,152
9	Non-PTF	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	Sub -Total Sum of Lines 6 thru line 9	\$ 11,270,751	\$ 49,504	\$ -	\$ -	\$ -	\$ 11,320,255
11	Total Transmission (lines 5 + 10)	<u>\$ 1,529,707,780</u>	<u>\$ 253,097,193</u>	<u>\$ (10,226,020)</u>	<u>\$ (224,426)</u>	<u>\$ -</u>	<u>\$ 1,772,354,527</u>
		FF1 206.58(b)	FF1 206.58(c)	FF1 207.58(d)	FF1 207.58f	FF1 207.58(e)	FF1 207.58(g)

		Actual Per Books	
12	Post-03 PTF in Plan subject to 100 bp adder	\$ 330,134,363	Line 3, Column G
13	Transmission Accum. Depreciation subject to 100 bp adder	\$ (51,162,603)	
14	Transmission Accumulated Deferred Taxes subject to 100 bp adder	\$ (33,833,271)	
15	Net Post-03 PTF in Plan subject to 100 bp adder	\$ 245,138,489	Sum lines 12 thru line 14

(a) The Post 2003 balance reflects the removal of \$27,016,117 of localized costs as a result of the ISO-NE's Transmission Cost Allocation (TCA) determination.

ISO New England Inc.
FERC Electric Tariff No. 3
Open Access Transmission Tariff
Section II - Attachment F Implementation Rule
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3
NSTAR Electric Company
Sheet 9

Transmission Related ADIT - Tariff Section II.A.1.e

	(a)	(b)	(c)	(d)	(e)
Line	Description	Amount	Allocator	Rate Base	Notes
1	Account 190				
2	General & Administrative Costs	\$ 20,110,238	7.3417%	\$ 1,476,433	FF1 Page 234.2(c) Footnote
3	Provision for Rate Refund	13,061,926	27.6405%	3,610,382	FF1 Page 234.2(c) Footnote
4	Self Insurance Reserves	2,907,814	27.6405%	803,734	FF1 Page 234.2(c) Footnote
5	Allowance for Uncollectible Accounts	15,349,945	0.0000%	-	FF1 Page 234.2(c) Footnote
6	Securitization Costs	1,322,863	0.0000%	-	FF1 Page 234.2(c) Footnote
7	Deferred Transition Revenues	3,580,963	0.0000%	-	FF1 Page 234.2(c) Footnote
8	CIC Payments	1,453,306	0.0000%	-	FF1 Page 234.2(c) Footnote
9	Litigation Expense	1,598,419	0.0000%	-	FF1 Page 234.2(c) Footnote
10	Other Items	1,460,469	27.6405%	403,681	FF1 Page 234.2(c) Footnote
11	Total 190	\$ 60,845,943	10.3445%	\$ 6,294,230	Sum Lines 2 thru 10
12	Account 283				
13	AFUDC MDPU Method Regulatory Asset	\$ (1,508,782)	27.6405%	\$ (417,035)	FF1 Page 276.3(k) Footnote
14	Bond Redemption Call Premiums	(5,129,977)	27.6405%	(1,417,951)	FF1 Page 276.3(k) Footnote
15	Pension Expense	(122,643,801)	7.3417%	(9,004,140)	FF1 Page 276.3(k) Footnote
16	Property Tax Lien Date Accrual	(25,270,429)	27.6405%	(6,984,873)	FF1 Page 276.3(k) Footnote
17	Retail Adjuster Clause Deferrals	(48,427,410)	0.0000%	-	FF1 Page 276.3(k) Footnote
18	Deferral Net Metering Costs	(4,438,899)	0.0000%	-	FF1 Page 276.3(k) Footnote
19	Medicare Part D Subsidy Regulatory Asset	(22,525,999)	0.0000%	-	FF1 Page 276.3(k) Footnote
20	Storm Contingency Fund	(42,862,254)	0.0000%	-	FF1 Page 276.3(k) Footnote
21	Pension Adjustment Mechanism	(8,670,984)	0.0000%	-	FF1 Page 276.3(k) Footnote
22	ASC 740 Deferred Income Taxes (FAS 109)	(84,126,189)	27.6405%	(23,252,899)	FF1 Page 276.3(k) Footnote
23	Goodwill	(181,564,561)	0.0000%	-	FF1 Page 276.3(k) Footnote
24	Urban Grid Monitoring and Renewables Integration	(1,430,405)	0.0000%	-	FF1 Page 276.3(k) Footnote
25	Other Items	(4,048,007)	27.6405%	(1,118,889)	FF1 Page 276.3(k) Footnote
26	Total 283	\$ (552,647,697)	7.6352%	\$ (42,195,787)	Sum Lines 13 thru 25
27	Wages & Salary Allocator		7.3417%		Sheet 6, Line 6, Col (c)
28	Plant Allocator		27.6405%		Sheet 6, Line 14, Col (c)

Exhibit 1

**Merger-Related Internal Labor Cost Adjustment
to the 2011 and 2012 Revenue Requirements
per FERC Audit Report in Docket No. FA12-10-000 for
Regional Network Service (Schedule 9)**

NSTAR Electric Company						
Merger-Related Internal Labor Cost Adjustment						
Per FERC Audit Report in Docket No. FA12-10-000						
Regional Network Service (Schedule 9)						
Summary of Principal and Interest						
	2011	Annual True-up Pre-97	Annual True-up Post-96	Total True-up Amount	Reference	
1	Principal	\$ (38,207)	\$ (77,079)	\$ (115,286)	Exhibit 1, page 2	
2	Interest	\$ (3,946)	\$ (7,962)	\$ (11,908)	Exhibit 1, page 5	
3	Total (line 1 + 2)	\$ (42,153)	\$ (85,041)	\$ (127,194)		
	2012					
4	Principal	\$ (6,487)	\$ (13,674)	\$ (20,161)	Exhibit 1, page 2	
5	Interest	\$ (441)	\$ (926)	\$ (1,367)	Exhibit 1, page 7	
6	Total (line 4 + 5)	\$ (6,928)	\$ (14,600)	\$ (21,528)		
	Total					
7	Principal (line 1 + 4)	\$ (44,694)	\$ (90,753)	\$ (135,447)		
8	Interest (line 2 + 5)	\$ (4,387)	\$ (8,888)	\$ (13,275)		
9	Total (line 7 + 8)	\$ (49,081)	\$ (99,641)	\$ (148,722)		
Note: As a result of the FERC Audit Report in Docket No. FA12-10-000, NSTAR was required to refund merger-related internal labor costs previously included in the actual 2011 and 2012 Operation and Maintenance and Administrative and General expenses in PTF Revenue Requirements.						

NSTAR Electric Company
Merger-Related Internal Labor Cost Adjustment
Per FERC Audit Report in Docket No. FA12-10-000
Regional Network Service (Schedule 9)

PTF Allocations

				PRE-97 PTF		POST-96 PTF	
				(1) Total	(2) PTF	(3) = (1)*(2) Pre-97	(4) PTF	(5) = (1)*(4) Post-96
Line No.	Transmission Adjustment		Allocation Factor		PTF Allocated	Allocation Factor	PTF Allocated
	<u>2011 Actual</u>						
1	Merger-Related Internal Labor Cost Adjustment	\$ (134,733) A	28.3575%		\$ (38,207)	57.2087%	\$ (77,079)
	<u>2012 Actual</u>						
2	Merger-Related Internal Labor Cost Adjustment	\$ (24,730) B	26.2329%		\$ (6,487)	55.2939%	\$ (13,674)
3	Total Merger-Related Internal Labor Cost Adjustment	\$ (159,463)			\$ (44,694)		\$ (90,753)
	Note: In order to determine the merger-related internal labor cost adjustment related to PTF, the total transmission merger-related internal labor cost adjustment was allocated using the plant allocation factors for each year (2011 and 2012).						
A	Exhibit 1, page 3						
B	Exhibit 1, page 6						

NSTAR Electric Company
Merger-Related Internal Labor Cost Adjustment
Per FERC Audit Report in Docket No. FA12-10-000
Regional Network Service (Schedule 9)
2011

(A)	(B)	(C)	(D) = (C) - (B)	(E)	(F) = (D) x (E)
Account	Total (a)	Amount Excluded from Formula Rate Calculation (b)	Amount still to be Excluded from Formula Rate Calculation	Allocator (b)	Amount to be Refunded through Attachment F (PTF) (c)
560	\$ 46,189	\$ -	\$ (46,189)	100.0000%	\$ (46,189)
561.1	\$ 563	\$ 563	\$ -	100.0000%	\$ -
920	\$ 1,354,627	\$ -	\$ (1,354,627)	6.5364%	\$ (88,544)
921	\$ 113,082	\$ 113,082	\$ -	6.5364%	\$ -
923	\$ 1,273,126	\$ 1,273,126	\$ -	6.5364%	\$ -
Total	\$ 2,787,587	\$ 1,386,771	\$ (1,400,816)		\$ (134,733)

(a) 2013 FERC Form 1, page 320 footnotes

(b) Regional Network Service (Schedule 9) actual revenue requirement calculation - June 2012. Operation and Maintenance Expense Accounts are 100% Transmission (561-561). Administrative and General Accounts are allocated to transmission using a wage and salary allocator (920, 921 & 923).

(c) This amount will be further allocated to PTF using the PTF plant allocators for pre-97 and post-96 (approximately 86% combined)

NSTAR Electric Company							
Merger-Related Internal Labor Cost Adjustment							
Per FERC Audit Report in Docket No. FA12-10-000							
Regional Network Service (Schedule 9)							
Interest Calculation - 2011							
PRE-97 & POST 96							
	(A)	(B)	(C)	(D)	(E)=(B)x(D)	(F)=(C)x(D)	
		Balance		FERC Monthly	Interest		
Line	Initial Billing Period	Pre	Post	Interest Rate	Pre	Post	
1	June 2011	\$ (38,207)	\$ (77,079)	0.27%	\$ (103)	\$ (208)	
2	July 2011	\$ (38,310)	\$ (77,287)	0.27%	\$ (103)	\$ (209)	
3	August 2011	\$ (38,310)	\$ (77,287)	0.28%	\$ (107)	\$ (216)	
4	September 2011	\$ (38,310)	\$ (77,287)	0.27%	\$ (103)	\$ (209)	
5	October 2011	\$ (38,623)	\$ (77,921)	0.28%	\$ (108)	\$ (218)	
6	November 2011	\$ (38,623)	\$ (77,921)	0.27%	\$ (104)	\$ (210)	
7	December 2011	\$ (38,623)	\$ (77,921)	0.28%	\$ (108)	\$ (218)	
8	January 2012	\$ (38,943)	\$ (78,567)	0.28%	\$ (109)	\$ (220)	
9	February 2012	\$ (38,943)	\$ (78,567)	0.26%	\$ (101)	\$ (204)	
10	March 2012	\$ (38,943)	\$ (78,567)	0.28%	\$ (109)	\$ (220)	
11	April 2012	\$ (39,262)	\$ (79,211)	0.27%	\$ (106)	\$ (214)	
12	May 2012	\$ (39,262)	\$ (79,211)	0.28%	\$ (110)	\$ (222)	
13	June 2012	\$ (39,262)	\$ (79,211)	0.27%	\$ (106)	\$ (214)	
14	July 2012	\$ (39,584)	\$ (79,861)	0.28%	\$ (111)	\$ (224)	
15	August 2012	\$ (39,584)	\$ (79,861)	0.28%	\$ (111)	\$ (224)	
16	September 2012	\$ (39,584)	\$ (79,861)	0.27%	\$ (107)	\$ (216)	
17	October 2012	\$ (39,913)	\$ (80,525)	0.28%	\$ (112)	\$ (225)	
18	November 2012	\$ (39,913)	\$ (80,525)	0.27%	\$ (108)	\$ (217)	
19	December 2012	\$ (39,913)	\$ (80,525)	0.28%	\$ (112)	\$ (225)	
20	January 2013	\$ (40,245)	\$ (81,192)	0.28%	\$ (113)	\$ (227)	
21	February 2013	\$ (40,245)	\$ (81,192)	0.25%	\$ (101)	\$ (203)	
22	March 2013	\$ (40,245)	\$ (81,192)	0.28%	\$ (113)	\$ (227)	
23	April 2013	\$ (40,572)	\$ (81,849)	0.27%	\$ (110)	\$ (221)	
24	May 2013	\$ (40,572)	\$ (81,849)	0.28%	\$ (114)	\$ (229)	
25	June 2013	\$ (40,572)	\$ (81,849)	0.27%	\$ (110)	\$ (221)	

NSTAR Electric Company						
Merger-Related Internal Labor Cost Adjustment						
Per FERC Audit Report in Docket No. FA12-10-000						
Regional Network Service (Schedule 9)						
Interest Calculation - 2011						
PRE-97 & POST 96						
	(A)	(B)	(C)	(D)	(E)=(B)x(D)	(F)=(C)x(D)
		Balance		FERC Monthly	Interest	
Line	Initial Billing Period	Pre	Post	Interest Rate	Pre	Post
26	July 2013	\$ (40,906)	\$ (82,520)	0.28%	\$ (115)	\$ (231)
27	August 2013	\$ (40,906)	\$ (82,520)	0.28%	\$ (115)	\$ (231)
28	September 2013	\$ (40,906)	\$ (82,520)	0.27%	\$ (110)	\$ (223)
29	October 2013	\$ (41,246)	\$ (83,205)	0.28%	\$ (115)	\$ (233)
30	November 2013	\$ (41,246)	\$ (83,205)	0.27%	\$ (111)	\$ (225)
31	December 2013	\$ (41,246)	\$ (83,205)	0.28%	\$ (115)	\$ (233)
32	January 2014	\$ (41,587)	\$ (83,896)	0.28%	\$ (116)	\$ (235)
33	February 2014	\$ (41,587)	\$ (83,896)	0.25%	\$ (104)	\$ (210)
34	March 2014	\$ (41,587)	\$ (83,896)	0.28%	\$ (116)	\$ (235)
35	April 2014	\$ (41,923)	\$ (84,576)	0.27%	\$ (113)	\$ (228)
36	May 2014	\$ (41,923)	\$ (84,576)	0.28%	\$ (117)	\$ (237)
37	Total Surcharge/(Refund)	\$ (42,153)	\$ (85,041)		\$ (3,946)	\$ (7,962)
		Total	Interest	Principal		
	Pre	\$ (42,153)	\$ (3,946)	\$ (38,207)		
	Post	\$ (85,041)	\$ (7,962)	\$ (77,079)		
	Total	\$ (127,194)	\$ (11,908)	\$ (115,286)		

NSTAR Electric Company
Merger-Related Internal Labor Cost Adjustment
Per FERC Audit Report in Docket No. FA12-10-000
Regional Network Service (Schedule 9)
2012

(A)	(B)	(C)	(D) = (C) - (B)	(E)	(F) = (D) x (E)
Account	Total (a)	Amount Excluded from Formula Rate Calculation (b)	Amount still to be Excluded from Formula Rate Calculation	Allocator (b)	Amount to be Refunded through Attachment F (PTF) (c)
560	\$ 1,874	\$ -	\$ (1,874)	100.0000%	\$ (1,874)
561.1	\$ -	\$ -	\$ -	100.0000%	\$ -
920	\$ 349,834	\$ -	\$ (349,834)	6.5243%	\$ (22,824)
921	\$ 605,269	\$ 604,784	\$ (485)	6.5243%	\$ (32)
923	\$ 238,210	\$ 238,210	\$ -	6.5243%	\$ -
Total	\$ 1,195,187	\$ 842,994	\$ (352,193)		\$ (24,730)

(a) 2013 FERC Form 1, page 320 footnotes

(b) Regional Network Service (Schedule 9) actual revenue requirement calculation - June 2013. Operation and Maintenance Expense Accounts are 100% Transmission (561-561). Administrative and General Accounts are allocated to transmission using a wage and salary allocator (920, 921 & 923).

(c) This amount will be further allocated to PTF using the PTF plant allocators for pre-97 and post-96 (approximately 82% combined)

NSTAR Electric Company							
Merger-Related Internal Labor Cost Adjustment							
Per FERC Audit Report in Docket No. FA12-10-000							
Regional Network Service (Schedule 9)							
Interest Calculation - 2012							
PRE-97 & POST 96							
	(A)	(B)	(C)	(D)	(E)=(B)x(D)	(F)=(C)x(D)	
		Balance		FERC Monthly	Interest		
Line	Initial Billing Period	Pre	Post	Interest Rate	Pre	Post	
1	June 2012	\$ (6,487)	\$ (13,674)	0.27%	\$ (18)	\$ (37)	
2	July 2012	\$ (6,505)	\$ (13,711)	0.28%	\$ (18)	\$ (38)	
3	August 2012	\$ (6,505)	\$ (13,711)	0.28%	\$ (18)	\$ (38)	
4	September 2012	\$ (6,505)	\$ (13,711)	0.27%	\$ (18)	\$ (37)	
5	October 2012	\$ (6,559)	\$ (13,824)	0.28%	\$ (18)	\$ (39)	
6	November 2012	\$ (6,559)	\$ (13,824)	0.27%	\$ (18)	\$ (37)	
7	December 2012	\$ (6,559)	\$ (13,824)	0.28%	\$ (18)	\$ (39)	
8	January 2013	\$ (6,613)	\$ (13,939)	0.28%	\$ (19)	\$ (39)	
9	February 2013	\$ (6,613)	\$ (13,939)	0.25%	\$ (17)	\$ (35)	
10	March 2013	\$ (6,613)	\$ (13,939)	0.28%	\$ (19)	\$ (39)	
11	April 2013	\$ (6,668)	\$ (14,052)	0.27%	\$ (18)	\$ (38)	
12	May 2013	\$ (6,668)	\$ (14,052)	0.28%	\$ (19)	\$ (39)	
13	June 2013	\$ (6,668)	\$ (14,052)	0.27%	\$ (18)	\$ (38)	
14	July 2013	\$ (6,723)	\$ (14,167)	0.28%	\$ (19)	\$ (40)	
15	August 2013	\$ (6,723)	\$ (14,167)	0.28%	\$ (19)	\$ (40)	
16	September 2013	\$ (6,723)	\$ (14,167)	0.27%	\$ (18)	\$ (38)	
17	October 2013	\$ (6,779)	\$ (14,285)	0.28%	\$ (19)	\$ (40)	
18	November 2013	\$ (6,779)	\$ (14,285)	0.27%	\$ (18)	\$ (39)	
19	December 2013	\$ (6,779)	\$ (14,285)	0.28%	\$ (19)	\$ (40)	
20	January 2014	\$ (6,835)	\$ (14,404)	0.28%	\$ (19)	\$ (40)	
21	February 2014	\$ (6,835)	\$ (14,404)	0.25%	\$ (17)	\$ (36)	
22	March 2014	\$ (6,835)	\$ (14,404)	0.28%	\$ (19)	\$ (40)	
23	April 2014	\$ (6,890)	\$ (14,520)	0.27%	\$ (19)	\$ (39)	
24	May 2014	\$ (6,890)	\$ (14,520)	0.28%	\$ (19)	\$ (41)	
25	Total Surcharge/(Refund)	\$ (6,928)	\$ (14,600)		\$ (441)	\$ (926)	
		Total	Interest	Principal			
	Pre	\$ (6,928)	\$ (441)	\$ (6,487)			
	Post	\$ (14,600)	\$ (926)	\$ (13,674)			
	Total	\$ (21,528)	\$ (1,367)	\$ (20,161)			

Reading Municipal Light Plant

Sheet: Input Panel

Input Panel

Regional Network Service
Annual Transmission Revenue Requirements
per Attachment F of the ISO New England Inc. Open Access Transmission Tariff

 Shading denotes an input

Submitted on: 5/12/2014

Revenue Requirements for (year): 2013

Customer: Reading Municipal Light Plant

Customer's NABs Number: 148

Name of Participant responsible for customer's billing: Bill Seldon

DUNs number of Participant responsible for customer's billing: 86-703-4654

		<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	=	<u>975</u> (a)	<u>283,056</u> (f)
Total of Attachment F - Section J - Support Revenue		<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense		<u>97,503</u> (c)	<u>43,744</u> (h)
Total of Attachment F - Section L through O		<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>98,478</u> (e)=(a)-(b)+(c)+(d)	<u>326,800</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements			0 (m)
Annual True-up		(233,651) (k)	(1,956) (n)
Interest Charge on Annual True-up		(7,786) (l)	(65) (o)
Total = (e) + (k) + (l) and (j) + (m) + (n) + (o)		(142,959) (p)	324,779 (q)
Annual Projected 2014 Revenue Requirement Total = Sum of Pre-97 Revenue Requirements, plus Post-96 Revenue Requirements, plus Annual True-up, and plus Interest on Annual True-up:			<u><u>181,820</u></u> (r) = (p)+(q)

Reading Municipal Light Plant
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2013 and billed 06/13-05/14

RNS Rate

		Attachment F			
Line No.	I. INVESTMENT BASE	Reference	Pre 1997	Post 1996	Reference
		Section:			
1	Transmission Plant	I (A)(1)(a)	0	2,839,236	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	0	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	I (A)(1)(c)	0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>0</u>	<u>2,839,236</u>	
5	Accumulated Depreciation	I (A)(1)(d)	0	789,240	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	I (A)(1)(e)	0	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	I (A)(1)(f)	0	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	I (A)(1)(g)	0	0	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>0</u>	<u>2,049,996</u>	
10	Prepayments	I (A)(1)(h)	0	0	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	0	0	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	39,118	<u>1,197</u>	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		<u><u>13,224</u></u>	<u><u>2,051,193</u></u>	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	3,129	164,095	Worksheet 2
15	Depreciation Expense	I (B)	0	63,713	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	I (C)	0	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	I (D)	0	0	Worksheet 4, line 5 column 5
18	Property Taxes	I (E)	0	50,266	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	0	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	0	999	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	0	8,579	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	I (I)	0	0	
22a	Share of Seabrook Transmission Revenue Requirement		16,059		Per MMWEC
23	Transmission Support Revenue	I (J)	0	41,104	Worksheet 7
24	Transmission Support Expense	I (K)	312,941	0	Worksheet 7
25	Transmission Related Expense from Generators	I (L)	0	0	
26	Transmission Related Taxes and Fees Charge	I (M)	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	I (N)	0	0	Txm related Acct 456
28	Transmission Rents Received from Electric Properties	I (O)	0	0	Txm related Acct 454-rent
				0	
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>332,129</u></u>	<u><u>328,756</u></u>	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			0	
31	Post-2003 Enhanced Return Addition to Revenue Requirement			-	
32	Total Post-96 PTF Revenue Requirement			0	
33	Post-96 PTF Transmission Plant in Service			2,839,236	
34	Post-96 Carrying Charge Factor (Post-96 CCF)			9.8%	
35	Forecasted Post-96 PTF Plant Additions				
36	Forecasted Post-96 Localized PTF Plant Additions			0	
37	Forecasted Post-96 Pool-Supported PTF Plant Additions			0	
38	Post-96 Estimated Incremental Revenue Requirement			<u>0</u>	

RNS Rate

Reading Municipal Light Plant
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2013

1 2013 Actual Annual RR			98,478	326,800	
2 2013 Est. Transmission Revenue Requirements (as billed)	6/13-05/14	Appendix C	332,129	328,756	ATRR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)			-233,651	-1,956	

Pre'97	(Overcollection)/Undercollection
Post'96	(\$233,651)
	(\$1,956)

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2013	(\$233,651)	-\$1,956	0.27%	(\$631)	(\$5)
July 2013	(234,282)	-1,961	0.28%	-656	(\$5)
August 2013	(234,282)	-1,961	0.28%	-656	(\$5)
September 2013	(234,282)	-1,961	0.27%	-633	(\$5)
October 2013	(236,226)	-1,978	0.28%	-661	(\$6)
November 2013	(236,226)	-1,978	0.27%	-638	(\$5)
December 2013	(236,226)	-1,978	0.28%	-661	(\$6)
January 2014	(238,187)	-1,994	0.28%	-667	(\$6)
February 2014	(238,187)	-1,994	0.25%	-595	(\$5)
March 2014	(238,187)	-1,994	0.28%	-667	(\$6)
April 2014	(240,116)	-2,010	0.27%	-648	(\$5)
May 2014	(240,116)	-2,010	0.28%	-672	(\$6)
				-\$7,786	-\$65
				-\$233,651	-\$1,956
			Total TU & Int	-\$241,437	-\$2,021

Sheet: Input Panel

NEPOOL Tariff Billing
NEPOOL Annual Transmission Revenue Requirements
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on:	<u>12-May-14</u>
Revenue Requirements for (year):	<u>Calendar Year 2013</u>
Customer:	<u>Reading Municipal Light Department</u>
Customer's NABs Number:	<u>148</u>
Name of Participant responsible for customer's billing:	<u>Bill Seldon</u>
DUNs number of Participant responsible for customer's billing:	<u>86-703-4654</u>

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>975</u> (a)	<u> </u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>97,503</u> (c)	<u> </u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>98,478</u> (e)=(a)-(b)+(c)+(d)	<u>0</u> (j)
 Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		 <u>98,478</u> (k) = (e) + (j)
 Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		 <u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		<u>0</u> (h)
 Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		 <u><u>98,478</u></u> (l)=(k)+(b)+(g)-(h)

Calendar Year 2013

Shading denotes an input

		Attachment F		
Line No.		Reference	Reading	Reference
		Section:		
I. INVESTMENT BASE				
1	Transmission Plant	(A)(1)(a)	0	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		0	
5	Accumulated Depreciation	(A)(1)(d)	0	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		0	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	12,188	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		12,188	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	975	Worksheet 2
15	Depreciation Expense	(B)	0	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	0	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	0	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	0	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	97,503	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		98,478	
			97,503	

Reading Municipal Light Department

Annual Revenue Requirements

Calendar Year 2013

Shading denotes an input

	<u>CAPITALIZATION</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{12,188} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{12,188} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

(PTF)

INVESTMENT BASE	\$ 12,188	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>975</u>	To Worksheet 1

Reading Municipal Light Department

Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 7,743,423	100.0000%	7,743,423	0.0000%	0	Line 1, Worksheet 5
2	\$ 23,317,284	0.0000% (a)	0	0.0000%	0	Page 8B line 29(g)
3			7,743,423		0	
4	0		0	0.0000%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	2,328,138		2,328,138	0.0000%	0	Page 8A, line 31(g) less Page 16, line 31(g)
6	17,892,390	0.0000% (a)	0	0.0000%	0	Page 8B, line 29(g) less Page 17, line 29(g)
7			2,328,138		0	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	6.0108% (c)	0	0.0000%	0	None known
9	0	6.0108% (c)	0	0.0000%	0	None known
10			0		0	
11	0	6.0108% (c)	0	0.0000%	0	None known
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	0.0000%	0	None known
13	0	6.0108% (c)	0	0.0000%	0	None known
14	0	6.0108% (c)	0	0.0000%	0	
15	0		0		0	
16	0	0.0000% (a)	0	0.0000%	0	Assumed none
17	0	0.0000%	0	0.0000%	0	Assumed none
<u>Cash Working Capital</u>						
19					0	Worksheet 1, Line 20
20					0	Worksheet 1, Line 21
21					97,503	Worksheet 1, Line 24
22					97,503	
23					0.125	x 45 / 360
24					12,188	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Reading Municipal Light Department

Calendar Year 2013

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Depreciation Expense</u>						
1	175,650		175,650	0.0000%	0	Page 16, line 31(d)
2	952,705	0.0000% (a)	0	0.0000%	0	Page 17, line 29(d)
3			175,650		0	
4	0	6.0108% (c)	0	0.0000%	0	None known
5	0	6.0108% (c)	0	0.0000%	0	None known
<u>Property Taxes *</u>						
6	2,283,324	6.0108%	137,246	0.0000%	0	DTE, p. 21 line 24
7	2,283,324	0.0000% (a)	0	0.0000%	0	DTE, p. 21 line 24
8			137,246		0	
<u>Transmission Operation and Maintenance</u>						
9	10,716,605		10,716,605	0	0	Page 40, line 50(b)
10	10,713,880		10,713,880	0	0	Page 40, line 38(b)
11	0		0	0	0	Page 40, line 34(b)
12	0		0	0	0	Page 40, line 35(b) 40(b)
13	2,725		2,725	0.0000%	0	
<u>Transmission Administrative and General</u>						
14	5,354,887					Page 42, line 6(b)
15	359,112					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	157,949					assumed none
18	4,837,826	0.0000% (a)	0	0.0000%	0	
19	359,112	6.0108% (c)	21,586	0.0000%	0	
20	0	6.0108% (c)	0	0.0000%	0	
21	0	6.0108% (c)	0	0.0000%	0	
22	5,196,938		21,586		0	
23	0	0.0000% (a)	0	0.0000%	0	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Shading denotes an input

<u>Line No.</u>		<u>Reading</u>	<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	0	See Worksheet Page 8A, line 31(g)
2	Total Transmission Investment	7,743,423	
3	Percent Allocation (Line 1/Line 2)	<u>0.0000%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	0	See Worksheet Worksheet 6 & 6a of 8
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	0	
7	Total Wages and Salaries	7,647,810	Page 42, line 24 (c) Page 41, line 43(b) Worksheet 6 & 6a of 8
8	Administrative and General Wages and Salaries	818,723	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	<u>6,829,087</u>	
11	Percent Allocation (Line 6/Line 10)	<u>0.0000%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	7,743,423	Line 2 Worksheet 3, Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	0	
14	= Revised Numerator (Line 12 + Line 13)	<u>7,743,423</u>	
15	Total Plant in Service	128,824,441	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	<u>6.0108%</u>	

Affiliated Company Wages and Salaries

Calendar Year 2013

Shading denotes an input

Line		Reading
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 =	Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

READING

Calendar Year 2013

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		2,258
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
	Schedule 125 Payments			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			12,278
	345 Sandy Tewksbury 337 Line			
	345 kV Tewksbury - Woburn 338 Line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
NEP	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		28,753
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		2,412
	115 kV Read - Washington V148 line			
NU	345 kV 363, 369 and 394 Seabrook lines			2,377
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		27,278
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
	Seabrook			22,147
Total =			0	97,503

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Sheet: Input Panel

NEPOOL Tariff Billing
NEPOOL Annual Transmission Revenue Requirements
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on: 12-May-14

Revenue Requirements for (year): Calendar Year 2013

Customer: Reading Municipal Light Department

Customer's NABs Number: 148

Name of Participant responsible for customer's billing: Bill Seldon

DUNs number of Participant responsible for customer's billing: 86-703-4654

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	_____ (a)	<u>283,056</u> (f)
Total of Attachment F - Section J - Support Revenue	0 (b)	0 (g)
Total of Attachment F - Section K - Support Expense	_____ (c)	<u>43,744</u> (h)
Total of Attachment F - Section (L through O)	0 (d)	0 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	0 (e)=(a)-(b)+(c)+(d)	<u>326,800</u> (j)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 326,800 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>43,744</u> (h)

Voting Share Total for Participant's R Value: 283,056 (l)=(k)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2013

Shading denotes an input

Line No.		Attachment F Reference	Reading	Reference
	I. INVESTMENT BASE			
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	2,839,234	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		2,839,234	
5	Accumulated Depreciation	(A)(1)(d)	853,644	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		1,985,590	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	6,582	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		1,992,172	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	159,374	Worksheet 2
15	Depreciation Expense	(B)	64,445	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	50,323	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	999	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	7,915	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	43,744	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		326,800	

Reading Municipal Light Department
Annual Revenue Requirements
Calendar Year 2013

Shading denotes an input

	<u>CAPITALIZATION</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{1,992,172} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{1,992,172} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 1,992,172	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>159,374</u>	To Worksheet 1

Reading Municipal Light Department

Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 7,743,423		7,743,423	36.6664%	2,839,234	Line 1, Worksheet 5
2	\$ 23,317,284	0.0000% (a)	0	36.6664%	0	Page 8B line 29(g)
3			<u>7,743,423</u>		<u>2,839,234</u>	
4	0		0	36.6664%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	2,328,138		2,328,138	36.6664%	853,644	Page 8A, line 31(g) less Page 16, line 31(g)
6	17,892,390	0.0000% (a)	0	36.6664%	0	Page 8B, line 29(g) less Page 17, line 29(g)
7			<u>2,328,138</u>		<u>853,644</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	6.0108% (c)	0	36.6664%	0	None known
9	0	6.0108% (c)	0	36.6664%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	6.0108% (c)	0	36.6664%	0	None known
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	36.6664%	0	None known
13	0	6.0108% (c)	0	36.6664%	0	None known
14	0	6.0108% (c)	0	36.6664%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	1,515,070	0.0000% (a)	0	36.6664%	0	Assumed none
17	1,519,286	0.0000% (a)	0	36.6664%	0	Assumed none
<u>Cash Working Capital</u>						
19					999	Worksheet 1, Line 20
20					7,915	Worksheet 1, Line 21
21					<u>43,744</u>	Worksheet 1, Line 24
22					52,658	
23					<u>0.125</u>	x 45 / 360
24					<u>6,582</u>	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Reading Municipal Light Department

Calendar Year 2013

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Depreciation Expense</u>						
1	175,760		175,760	36.6664%	64,445	Page 16, line 31(d)
2	952,705	0.0000% (a)	0	36.6664%	0	Page 17, line 29(d)
3			175,760		64,445	
4	0	6.0108% (c)	0	36.6664%	0	None known
5	0	6.0108% (c)	0	36.6664%	0	None known
<u>Property Taxes *</u>						
6	2,283,324	6.0108%	137,246	36.6664%	50,323	DTE, p. 21 line 24
7	2,283,324	0.0000% (a)	0	36.6664%	0	DTE, p. 21 line 24
8			137,246		50,323	
<u>Transmission Operation and Maintenance</u>						
9	10,716,605		10,716,605	0.366664	3,929,393	Page 40, line 50(b)
10	10,713,880		10,713,880	0.366664	3,928,394	Page 40, line 38(b)
11	0		0	0.366664	0	Page 40, line 34(b)
12	0		0	0.366664	0	Page 40, line 35(b) 40(b)
13	2,725		2,725	36.6664%	999	
<u>Transmission Administrative and General</u>						
14	5,354,887					Page 42, line 6(b)
15	359,112					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	157,949					assumed none
18	4,837,826	0.0000% (a)	0	36.6664%	0	
19	359,112	6.0108% (c)	21,586	36.6664%	7,915	
20	0	6.0108% (c)	0	36.6664%	0	
21	0	6.0108% (c)	0	36.6664%	0	
22	5,196,938		21,586		7,915	
23	0	0.0000% (a)	0	36.6664%	0	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Shading denotes an input

<u>Line No.</u>		<u>Reading</u>	<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	2,839,236	See Worksheet Page 8A, line 31(g)
2	Total Transmission Investment	7,743,423	
3	Percent Allocation (Line 1/Line 2)	<u>36.6664%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	0	See Worksheet Worksheet 6 & 6a of 8
5	Affiliated Company Transmission Wages and Salaries	<u>0</u>	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	0	
7	Total Wages and Salaries	7,647,810	Page 42, line 24 (c) Page 41, line 43(b) Worksheet 6 & 6a of 8
8	Administrative and General Wages and Salaries	818,723	
9	Affiliated Company Wages and Salaries less A&G	<u>0</u>	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	6,829,087	
11	Percent Allocation (Line 6/Line 10)	<u>0.0000%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	7,743,423	Line 2 Worksheet 3, Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	<u>0</u>	
14	= Revised Numerator (Line 12 + Line 13)	7,743,423	
15	Total Plant in Service	128,824,441	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	<u>6.0108%</u>	

Sheet: Worksheet 6

Affiliated Company Wages and Salaries

Calendar Year 2013

Shading denotes an input

Line		Reading
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 =	Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

READING

Calendar Year 2013

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			0
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		0
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		0
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
	Seabrook			43,744
Total =			0	43,744

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Taunton Municipal Light Plant

Sheet: Input Panel

Input Panel

Regional Network Service
Annual Transmission Revenue Requirements
per Attachment F of the ISO New England Inc. Open Access Transmission Tariff

 Shading denotes an input

Submitted on: 5/12/2014

Revenue Requirements for (year): 2013

Customer: Taunton Municipal Light Plant

Customer's NABs Number: 153

Name of Participant responsible for customer's billing: Michael Horrigan

DUNs number of Participant responsible for customer's billing: 04-661-6033

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	= <u>64,929</u> (a)	<u>66</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>37,190</u> (c)	<u>6,639</u> (h)
Total of Attachment F - Section L through O	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>102,119</u> (e)=(a)-(b)+(c)+(d)	<u>6,705</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements		<u>0</u> (m)
Annual True-up	<u>(170,401)</u> (k)	<u>6,705</u> (n)
Interest Charge on Annual True-up	<u>(5,678)</u> (l)	<u>223</u> (o)
Total = (e) + (k) + (l) and (j) + (m) + (n) + (o)	<u>(73,960)</u> (p)	<u>13,633</u> (q)
Annual Projected 2014 Revenue Requirement Total = Sum of Pre-97 Revenue Requirements, plus Post-96 Revenue Requirements, plus Annual True-up, and plus Interest on Annual True-up:		<u><u>(60,327)</u></u> (r) = (p)+(q)

Taunton Municipal Light Plant
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2013 and billed 06/13-05/14

RNS Rate

		Attachment F			
Line No.	I. INVESTMENT BASE	Reference	Pre 1997	Post 1996	Reference
		Section:			
1	Transmission Plant	I (A)(1)(a)	1,500,243	0	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	34,954	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	I (A)(1)(c)	0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		1,535,197	0	
5	Accumulated Depreciation	I (A)(1)(d)	1,392,580	0	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	I (A)(1)(e)	0	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	I (A)(1)(f)	0	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	I (A)(1)(g)	0	0	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		142,617	0	
10	Prepayments	I (A)(1)(h)	0	0	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	0	0	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	25,335	0	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		<u>167,952</u>	<u>0</u>	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	13,436	0	Worksheet 2
15	Depreciation Expense	I (B)	28,285	0	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	I (C)	0	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	I (D)	0	0	Worksheet 4, line 5 column 5
18	Property Taxes	I (E)	25,005	0	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	3,111	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	0	0	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	3,953	0	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	I (I)	0	0	
23	Transmission Support Revenue	I (J)	0	0	Worksheet 7
24	Transmission Support Expense	I (K)	198,730	0	Worksheet 7
25	Transmission Related Expense from Generators	I (L)	0	0	
26	Transmission Related Taxes and Fees Charge	I (M)	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	I (N)	0	0	Txm related Acct 456
28	Transmission Rents Received from Electric Properties	I (O)	0	0	Txm related Acct 454-rent
29	Total Revenue Requirements (Line 14 thru 28)		<u>272,520</u>	<u>0</u>	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			0	
31	Post-2003 Enhanced Return Addition to Revenue Requirement			-	
32	Total Post-96 PTF Revenue Requirement			0	
33	Post-96 PTF Transmission Plant in Service			0	
34	Post-96 Carrying Charge Factor (Post-96 CCF)			0.0%	
35	Forecasted Post-96 PTF Plant Additions			0	
36	Forecasted Post-96 Localized PTF Plant Additions			0	
37	Forecasted Post-96 Pool-Supported PTF Plant Additions			0	
38	Post-96 Estimated Incremental Revenue Requirement			<u>0</u>	

RNS Rate

**Taunton Municipal Light Plant
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2013**

1 2013 Actual Annual RR			<u>102,119</u>	<u>6,705</u>	Input Panel Subtotals
2 2013 Est. Transmission Revenue Requirements (as billed)	6/12-05/13	Appendix C	<u>272,520</u>	0	ATRR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)			<u>-170,401</u>	6,705	
4 Share of Seabrook Transmission Revenue Requirement					
Total True Up					

Pre'97	(Overcollection)/Undercollection
Post'96	(\$170,401) \$6,705

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2013	(\$170,401)	\$6,705	0.27%	(\$460)	\$18
July 2013	(170,861)	6,723	0.28%	-478	\$19
August 2013	(170,861)	6,723	0.28%	-478	\$19
September 2013	(170,861)	6,723	0.27%	-461	\$18
October 2013	(172,279)	6,779	0.28%	-482	\$19
November 2013	(172,279)	6,779	0.27%	-465	\$18
December 2013	(172,279)	6,779	0.28%	-482	\$19
January 2014	(173,709)	6,835	0.28%	-486	\$19
February 2014	(173,709)	6,835	0.25%	-434	\$17
March 2014	(173,709)	6,835	0.28%	-486	\$19
April 2014	(175,116)	6,891	0.27%	-473	\$19
May 2014	(175,116)	6,891	0.28%	-490	\$19
		Total Interest		-\$5,678	\$223
		True-Up		-\$170,401	\$6,705
		Total TU & Int		-\$176,079	\$6,928

Voting Share

Sheet: Input Panel

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on: 12-May-14
 Revenue Requirements for (year): Calendar Year 2013
 Customer: Taunton Municipal Lighting Plant
 Customer's NABs Number: 153
 Name of Participant responsible for customer's billing: Michael Horrigan
 DUNs number of Participant responsible for customer's billing: 04-661-6033

	<u>Pre-97 Revenue Requirements</u>	<u>Post-97 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	64,929 (a)	<u>0 (f)</u>
Total of Attachment F - Section J - Support Revenue	<u>0 (b)</u>	<u>0 (g)</u>
Total of Attachment F - Section K - Support Expense	<u>37,190 (c)</u>	<u>0 (h)</u>
Total of Attachment F - Section (L through O)	<u>0 (d)</u>	<u>0 (i)</u>
Sub Total - Sum (A through I) - J + K + (L through O)	<u>102,119 (e)=(a)-(b)+(c)+(d)</u>	<u>0 (j)</u>

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 102,119 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	n/a	<u>0 (b)</u>
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	(k)	<u>0 (g)</u>
Total of Attachment F - Section K - Post-96 Support Expense (from above)	(l)	<u>0 (h)</u>
	(p)	

Voting Share Total for Participant's R Value: 102,119 (l)=(k)+(b)+(g)-(h)
 (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2013

Shading denotes an input

Line No.		Attachment F Reference	Taunton	Reference
	<u>I. INVESTMENT BASE</u>			
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	1,500,243	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	6,036	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		1,506,279	
5	Accumulated Depreciation	(A)(1)(d)	1,388,100	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		118,179	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	8,054	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		126,233	
	<u>II. REVENUE REQUIREMENTS</u>			
14	Investment Return and Income Taxes	(A)	10,099	Worksheet 2
15	Depreciation Expense	(B)	5,755	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	21,195	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	642	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	23,141	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	4,097	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	37,190	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		102,119	
			64,929	

Taunton Municipal Lighting Plant
Annual Revenue Requirements
Calendar Year 2013

Shading denotes an input

	CAPITALIZATION	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \text{Federal Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 126,233}{1} \right) \times 0$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{State Income Tax Rate}}{1} \right) \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 126,233}{1} \right) \times 0.0000000$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

	(PTF)	
INVESTMENT BASE	\$ 126,233	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>10,099</u>	To Worksheet 1

Taunton Municipal Lighting Plant

Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 7,533,813		7,533,813		1,500,243	Line 1, Worksheet 5
2	35,039,986	0.0865% (a)	30,310	19.9135%	6,036	Page 8B line 29(g)
3			<u>7,564,123</u>		<u>1,506,279</u>	
4	0		0	19.9135%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	6,942,029		6,942,029	19.9135%	1,382,401	Page 8A, line 31(g) less Page 16, line 31(g)
6	33,083,200	0.0865% (a)	28,617	19.9135%	5,699	Page 8B, line 29(g) less Page 17, line 29(g)
7			<u>6,970,646</u>		<u>1,388,100</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	3.5835% (c)	0	19.9135%	0	None known
9	0	3.5835% (c)	0	19.9135%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	3.5835% (c)	0	19.9135%	0	None known
<u>Other Regulatory Assets</u>						
12	0	0.0865% (a)	0	19.9135%	0	None known
13	0	3.5835% (c)	0	19.9135%	0	None known
14	0	3.5835% (c)	0	19.9135%	0	
15			<u>0</u>		<u>0</u>	
16	0.00	0.0865% (a)	0	19.9135%	0	
17	0.00	3.5835%	0	19.9135%	0	
<u>Cash Working Capital</u>						
19					23,141	Worksheet 1, Line 20
20					4,097	Worksheet 1, Line 21
21					37,190	Worksheet 1, Line 24
22					<u>64,428</u>	
23					0.125	x 45 / 360
24					<u>8,054</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

Taunton Municipal Lighting Plant

Calendar Year 2013

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Depreciation Expense</u>						
1	27,206		27,206	19.9135%	5,418	Page 16, line 31(d)
2	1,956,786	0.0865% (a)	1,693	19.9135%	337	Page 17, line 29(d)
3			28,899		5,755	
4	0	3.5835% (c)	0	19.9135%	0	None known
5	0	3.5835% (c)	0	19.9135%	0	None known
<u>Property Taxes *</u>						
6	2,900,000	0.035835	103,922	19.9135%	20,695	
7	2,900,000	0.0865% (a)	2,509	19.9135%	500	
8			106,431		21,195	
<u>Transmission Operation and Maintenance</u>						
9	9,451,252		9,451,252	0.199135	1,882,075	Page 40, line 49(b)
10	9,051,092		9,051,092	0.199135	1,802,389	Page 40, line 38(b)
11	9,530		9,530	0.199135	1,898	Page 40, line 34(b)
12	274,422		274,422	0.199135	54,647	Page 40, line 35(b) 40(b)
13	116,208		116,208	19.9135%	23,141	
<u>Transmission Administrative and General</u>						
14	2,622,758					Page 42, line 5(b)
15	525,873					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	99,808					930.1
18	1,997,077	0.0865% (a)	1,727	19.9135%	344	
19	525,873	3.5835% (c)	18,845	19.9135%	3,753	
20	0	3.5835% (c)	0	19.9135%	0	assumed none
21	0	3.5835% (c)	0	19.9135%	0	
22	2,522,950		20,572		4,097	
23	3,728,243	0.0865% (a)	3,225	19.9135%	642	Footnote (d)

- (a) Worksheet 5 of 8, line 11
- (b) Worksheet 5 of 8, line 3
- (c) Worksheet 5 of 8, line 16
- (d) Payroll taxes



Taunton Municipal Lighting Plant
Calendar Year 2013

Shading denotes an input

<u>Line No.</u>		<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>		
	Taunton	
1	PTF Transmission Investment	See Worksheet
2	Total Transmission Investment	Page 8A, line 31(g)
3	Percent Allocation (Line 1/Line 2)	
	<u>19.9135%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	See Worksheet
5	Affiliated Company Transmission Wages and Salaries	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	
	<u>13,861</u>	
7	Total Wages and Salaries	Page 42, line 24©
8	Administrative and General Wages and Salaries	Page 41, line 43(b)
9	Affiliated Company Wages and Salaries less A&G	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	
	<u>16,018,297</u>	
11	Percent Allocation (Line 6/Line 10)	
	<u>0.0865%</u>	
<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	
	<u>7,533,813</u> <u>30,310</u> <u>7,564,123</u>	
15	Total Plant in Service	Page 8B, line 29(g)
	<u>211,082,325</u>	
16	Percent Allocation (Line 14 / Line 15)	
	<u>3.5835%</u>	

Affiliated Company Wages and Salaries

Shading denotes an input

Calendar Year 2013

Line		Taunton
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 =	Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

TAUNTON

PTF Revenue Requirements

Sheet: Worksheet 7

Calendar Year 2013

Worksheet 7 of 7

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		1,725
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			9,373
	Comerford 115 kV Substation			
	345 Sandy Tewksbury 337 Line			
	345 kV Tewksbury - Woburn 338 Line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	NEPAC-HQ-11	332.1(g); [332(g) for CL&P]		21,954
	345 kV Golden Hills-Mystic 349 line			
	SeabrookTewksbury			376
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			381
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
	Seabrook			3,381
Total =			0	37,190

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Voting Share

Sheet: Input Panel

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Submitted on: 12-May-14
 Revenue Requirements for (year): Calendar Year 2013
 Customer: Taunton Municipal Lighting Plant
 Customer's NABs Number: 153
 Name of Participant responsible for customer's billing: Michael Horrigan
 DUNs number of Participant responsible for customer's billing: 04-661-6033

	<u>Pre-97 Revenue Requirements</u>	<u>Post-97 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	(a)	66 (f)
Total of Attachment F - Section J - Support Revenue	<u>0 (b)</u>	<u>0 (g)</u>
Total of Attachment F - Section K - Support Expense	(c)	<u>6,639 (h)</u>
Total of Attachment F - Section (L through O)	<u>0 (d)</u>	<u>0 (i)</u>
Sub Total - Sum (A through I) - J + K + (L through O)	(e)=(a)-(b)+(d)	<u>6,705 (j)</u>

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 6,705 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	n/a	<u>0 (b)</u>
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	(k)	<u>0 (g)</u>
Total of Attachment F - Section K - Post-96 Support Expense (from above)	(l)	<u>6,639 (h)</u>
	(p)	

Voting Share Total for Participant's R Value: 66 (l)=(k)+(b)+(g)-(h)
 (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2013

Shading denotes an input

Line No.		Attachment F Reference	Taunton	Reference
	<u>I. INVESTMENT BASE</u>			
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	0	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		0	
5	Accumulated Depreciation	(A)(1)(d)	0	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		0	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	830	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		830	
	<u>II. REVENUE REQUIREMENTS</u>			
14	Investment Return and Income Taxes	(A)	66	Worksheet 2
15	Depreciation Expense	(B)	0	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	0	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	0	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	0	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	6,639	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		6,705	

Taunton Municipal Lighting Plant
Annual Revenue Requirements
Calendar Year 2013

Shading denotes an input

	CAPITALIZATION <u>1/1/1900</u>	CAPITALIZATION <u>RATIOS</u>	COST OF <u>CAPITAL</u>	COST OF <u>CAPITAL</u>	EQUITY <u>PORTION</u>
LONG-TERM DEBT	\$ 1	100.00%	8.00%	8.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0	0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1	100.00%	8.00%	8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. of Deprec. Exp.} + \text{Eq. AFUDC}}{\text{Tax Credit} + \text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{830} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. of Deprec. Exp.} + \text{Eq. AFUDC}}{\text{Tax Credit} + \text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{830} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 830	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>66</u>	To Worksheet 1

Taunton Municipal Lighting Plant

Calendar Year 2013

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 7,533,813		7,533,813		0	Line 1, Worksheet 5
2	35,039,986	0.0865% (a)	30,310	0.0000%	0	Page 8B line 29(g)
3			<u>7,564,123</u>		<u>0</u>	
4	0		0	0.0000%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	6,942,029		6,942,029	0.0000%	0	Page 8A, line 31(g) less Page 16, line 31(g)
6	16,020,133	0.0865% (a)	13,857	0.0000%	0	Page 8B, line 29(g) less Page 17, line 29(g)
7			<u>6,955,886</u>		<u>0</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	3.5835% (c)	0	0.0000%	0	None known
9	0	3.5835% (c)	0	0.0000%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	3.5835% (c)	0	0.0000%	0	None known
<u>Other Regulatory Assets</u>						
12	0	0.0865% (a)	0	0.0000%	0	None known
13	0	3.5835% (c)	0	0.0000%	0	None known
14	0	3.5835% (c)	0	0.0000%	0	
15			<u>0</u>		<u>0</u>	
16	0.00	0.0865% (a)	0	0.0000%	0	
17	0.00	3.5835%	0	0.0000%	0	
<u>Cash Working Capital</u>						
19					0	Worksheet 1, Line 20
20					0	Worksheet 1, Line 21
21					6,639	Worksheet 1, Line 24
22					<u>6,639</u>	
23					0.125	x 45 / 360
24					<u>830</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

Taunton Municipal Lighting Plant

Calendar Year 2013

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
Depreciation Expense						
1	27,206		27,206	0.0000%	0	Page 16, line 31(d)
2	1,956,786	0.0865% (a)	1,693	0.0000%	0	Page 17, line 29(d)
3			28,899		0	
4	0	3.5835% (c)	0	0.0000%	0	None known
5	0	3.5835% (c)	0	0.0000%	0	None known
Property Taxes *						
6	2,900,000	0.035835	103,922	0.0000%	0	
7	2,900,000	0.0865% (a)	2,509	0.0000%	0	
8			106,431		0	
Transmission Operation and Maintenance						
9	9,451,252		9,451,252	0	0	Page 40, line 49(b)
10	9,051,092		9,051,092	0	0	Page 40, line 38(b)
11	9,530		9,530	0	0	Page 40, line 34(b)
12	274,422		274,422	0	0	Page 40, line 35(b) 40(b)
13	116,208		116,208	0.0000%	0	
Transmission Administrative and General						
14	2,622,758					Page 42, line 5(b)
15	525,873					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	99,808					930.1
18	1,997,077	0.0865% (a)	1,727	0.0000%	0	
19	525,873	3.5835% (c)	18,845	0.0000%	0	
20	0	3.5835% (c)	0	0.0000%	0	assumed none
21	0	3.5835% (c)	0	0.0000%	0	
22	2,522,950		20,572		0	
23	3,728,243	0.0865% (a)	3,225	0.0000%	0	Footnote (d)

- (a) Worksheet 5 of 8, line 11
- (b) Worksheet 5 of 8, line 3
- (c) Worksheet 5 of 8, line 16
- (d) Payroll taxes



Taunton Municipal Lighting Plant
Calendar Year 2013

Shading denotes an input

<u>Line No.</u>		<u>Taunton</u>	<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	0	
2	Total Transmission Investment	7,533,813	See Worksheet Page 8A, line 31(g)
3	Percent Allocation (Line 1/Line 2)	<u>0.0000%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	13,861	
5	Affiliated Company Transmission Wages and Salaries	0	See Worksheet Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	<u>13,861</u>	
7	Total Wages and Salaries	17,932,428	Page 42, line 24©
8	Administrative and General Wages and Salaries	1,914,131	Page 41, line 43(b)
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	<u>16,018,297</u>	
11	Percent Allocation (Line 6/Line 10)	<u>0.0865%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	7,533,813	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	30,310	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	<u>7,564,123</u>	
15	Total Plant in Service	211,082,325	Page 8B, line 29(g)
16	Percent Allocation (Line 14 / Line 15)	<u>3.5835%</u>	

Affiliated Company Wages and Salaries

Shading denotes an input

Calendar Year 2013

Line	Taunton
"Affiliated" Transmission Wages and Salaries	
#560 - 573	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11 = 1 thru 10	0
Total Transmission	0
12 = Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries	
#920 - 935	
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21 = 13 thru 20	0
22 = 12 less 21	0

TAUNTON

PTF Revenue Requirements

Sheet: Worksheet 7

Calendar Year 2013

Worksheet 7 of 7

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			0
	Comerford 115 kV Substation			
	345 Sandy Tewksbury 337 Line			
	345 kV Tewksbury - Woburn 338 Line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	NEPAC-HQ-11	332.1(g); [332(g) for CL&P]		0
	345 kV Golden Hills-Mystic 349 line			
	SeabrookTewksbury			0
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
	Seabrook			6,639
Total =			0	6,639

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

The United Illuminating Company

Sheet: Input Panel

Input Panel

Regional Network Service
Annual Transmission Revenue Requirements
per Attachment F of the ISO New England Inc. Open Access Transmission Tariff

 Shading denotes an input

Submitted on: 05/15/2014

Revenue Requirements for (year): 2013

Rate Period 6/1/2014 - 5/31/2015

Customer: The United Illuminating Company

Customer's NABs Number: 51

Name of Participant responsible for customer's billing: The United Illuminating Company

DUNs number of Participant responsible for customer's billing: 00-691-7967

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	<u>21,153,172</u> (a)	<u>98,177,771</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>758,775</u> (c)	<u>0</u> (h)
Total of Attachment F - Section L through O	<u>(92,092)</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>21,819,855</u> (e)=(a)-(b)+(c)+(d)	<u>98,177,771</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements	0 n/a	2,876,192 (m)
Annual True-up	(530,629) (k)	(5,918,814) (n)
Interest Charge on Annual True-up	(17,682) (l)	(197,235) (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	21,271,544 (p)	94,937,914 (q)
Annual Projected 2013 Revenue Requirement Total = Sum of Pre-97 Revenue Requirements, plus Post-96 Revenue Requirements, plus Annual True-up, and plus Interest on Annual True-up:		<u><u>116,209,458</u></u> (r) = (p)+(q)

The United Illuminating Company
Annual Revenue Requirements of pre-1997/post-1996 PTF
for costs in 2013

RNS Rate

Sheet: Worksheet 1

Worksheet 1 of 8

Shading denotes an input

Line No.	Attachment F Reference	Attachment F			Reference
		Pre-1997	Post-1996	Total	
I. INVESTMENT BASE					
	<i>Section:</i>				
1	Transmission Plant I (A)(1)(a)	110,258,277	501,424,498	611,682,774	Worksheet 3, line 1 columns 5a, 5b
2	General Plant I (A)(1)(b)	5,425,777	24,674,949	30,100,726	Worksheet 3, line 2 columns 5a, 5b
3	Plant Held For Future Use I (A)(1)(c)	2,014,672	9,162,176	11,176,848	Worksheet 3, line 4 columns 5a, 5b
4	Total Plant (Lines 1+2+3)	117,698,726	535,261,623	652,960,349	
5	Accumulated Depreciation I (A)(1)(d)	19,183,419	87,240,946	106,424,365	Worksheet 3, line 7 columns 5a, 5b
6	Accumulated Deferred Income Taxes I (A)(1)(e)	27,351,916	124,389,035	151,740,951	Worksheet 3, line 10 columns 5a, 5b
7	Loss On Reacquired Debt I (A)(1)(f)	636,282	2,893,635	3,529,917	Worksheet 3, line 11 columns 5a, 5b
8	Other Regulatory Assets I (A)(1)(g)	8,389,813	38,154,576	46,544,389	Worksheet 3, line 15 columns 5a, 5b
9	Net Investment (Line 4-5-6+7+8)	80,189,486	364,679,853	444,869,339	
10	Prepayments I (A)(1)(h)	49,481	225,025	274,506	Worksheet 3, line 16 columns 5a, 5b
11	Materials & Supplies I (A)(1)(i)	0	0	0	Worksheet 3, line 17 columns 5a, 5b
12	Cash Working Capital I (A)(1)(j)	887,276	3,603,750	4,491,026	Worksheet 3, line 24 columns 5a, 5b
13	Total Investment Base (Line 9+11+12+13)	81,126,243	368,508,628	449,634,871	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes I (A)	9,959,325	45,239,667	55,198,992	Worksheet 2, 2a
15	Depreciation Expense I (B)	2,620,486	11,917,254	14,537,740	Worksheet 4, line 3 columns 5a, 5b
16	Amortization of Loss on Reacquired Debt I (C)	46,164	209,939	256,103	Worksheet 4, line 4 columns 5a, 5b
17	Investment Tax Credit I (D)	(8,248)	(37,510)	(45,758)	Worksheet 4, line 5 columns 5a, 5b
18	Property Taxes I (E)	2,121,828	9,649,492	11,771,320	Worksheet 4, line 8 columns 5a, 5b
19	Payroll Tax Expense I (F)	74,186	337,380	411,566	Worksheet 4, line 23 columns 5a, 5b
20	Operation & Maintenance Expense I (G)	5,172,730	23,524,162	28,696,892	Worksheet 4, line 13 columns 5a, 5b
21	Administrative & General Expense I (H)	1,166,701	5,305,837	6,472,538	Worksheet 4, line 22 columns 5a, 5b
22	Transmission Related Integrated Facilities Charge I (I)	0	0	0	
23	Transmission Support Revenue I (J)	0	0	0	Worksheet 7
24	Transmission Support Expense I (K)	758,775	0	758,775	Worksheet 7
25	Transmission Related Expense from Generators I (L)	0	0	0	
26	Transmission Related Taxes and Fees Charge I (M)	0	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff I (N)	(3,072)	0	(3,072)	Txm related Acct 456
28	Transmission Rents Received from Electric Property I (O)	(89,020)	0	(89,020)	Txm related Acct 454-rent
29	Total Revenue Requirements (Line 14 thru 28)	21,819,855	96,146,221	117,966,076	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator		96,146,221	96,146,221	Sum of Lines 14 through 21
31	Post-96 PTF Transmission Plant in Service		501,424,498	501,424,498	Line 1
32	Post-96 Carrying Charge Factor (Post-96 CCF)		0.191746158	0.191746158	Line 32 / Line 33
33	Forecasted Post-96 Pool-Supported PTF Plant Additions		15,000,000	15,000,000	Line 35 - Line 36
34	Post-96 Estimated Incremental Revenue Requirement		2,876,192	2,876,192	Line 34 * Line 37

The United Illuminating Company
Annual Revenue Requirements of post-2003 PTF Incremental Return
for costs in 2013

RNS Rate

Worksheet 1a of 8

Line No.	(1) Total Transmission	(2) Post-2003 ¹ PTF	(3) Post-2003 ² PTF	Total Transmission Reference	
I. INVESTMENT BASE					
1	Transmission Plant	687,032,402	309,182,243	194,235,326	Internal Plant Accounting
2	Accumulated Depreciation	112,338,247	49,393,480	31,030,109	Internal Plant Accounting
3	Accumulated Deferred Income Taxes	170,433,032	69,281,750	43,524,373	Internal Plant Accounting
4	Other Regulatory Assets	52,277,920	0	0	Included on Line 3, above
5	Net Investment (Line 1-2-3+4)	456,539,044	190,507,013	119,680,844	
II. ENHANCED RETURN ON POST-2003 TRANSMISSION PLANT					
6	Enhanced Return Addition to Revenue Requirement		1,545,945	485,605	Worksheet 2b + Worksheet 2c

Notes: 1. Incentive for New Trans Investment
Notes: 2. Incentive for used of Advanced Tech MN Proj

The United Illuminating Company
Annual Revenue Requirements of pre-1997 PTF
for costs in 2013

RNS Rate

Sheet: Worksheet 2

Worksheet 2 of 8

Shading denotes an input

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 845,460,000	51.69%	5.22%	2.70%	
PREFERRED STOCK		0.00%		0.00%	0.00%
COMMON EQUITY	790,212,213	48.31%	11.64%	5.62%	5.62%
TOTAL INVESTMENT RETURN	\$ 1,635,672,213	100.00%		8.32%	5.62%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 8.32%

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0562 + \left(\left(\frac{(8,248) + 96,426}{81,126,243} \right) \right)}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0308468

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0562 + \left(\left(\frac{(8,248) + 96,426}{81,126,243} \right) \right)}{1} \right) + \frac{0.0308468}{0.09} \times 0.09$$

= 0.0087165

(a)+(b)+(c) Cost of Capital Rate = 0.1227633

(pre-1997 PTF)

INVESTMENT BASE	\$ 81,126,243	From Worksheet 1
x Cost of Capital Rate	0.1227633	
= Investment Return and Income Taxes	\$ 9,959,325	To Worksheet 1

The United Illuminating Company
Annual Revenue Requirements of post-1996 PTF
for costs in 2013

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 845,460,000	51.69%	5.22%	2.70%	
PREFERRED STOCK		0.00%		0.00%	0.00%
COMMON EQUITY	790,212,213	48.31%	11.64%	5.62%	5.62%
TOTAL INVESTMENT RETURN	\$ <u>1,635,672,213</u>	<u>100.00%</u>		<u>8.32%</u>	<u>5.62%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 8.32%

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{PTF Inv. Base} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0562 + \left(\left(\frac{(37,510) + 438,520}{368,508,628} \right) / 368,508,628 \right)}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0308475

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{PTF Inv. Base} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0562 + \left(\left(\frac{(37,510) + 438,520}{368,508,628} \right) / 368,508,628 \right)}{1} \right) + \frac{0.0308475}{0.09} \times 0.09$$

= 0.0087167

(a)+(b)+(c) **Cost of Capital Rate** = 0.1227642

(post-1996 PTF)

INVESTMENT BASE	\$ 368,508,628	From Worksheet 1
x Cost of Capital Rate	0.1227642	
= Investment Return and Income Taxes	<u>\$ 45,239,667</u>	To Worksheet 1

The United Illuminating Company
Annual Revenue Requirements of post-2003 PTF Incremental Return
for costs in 2013
Incremental Portion of ROE at 1% Adder

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 845,460,000	51.69%	#N/A		
PREFERRED STOCK					
COMMON EQUITY	<u>790,212,213</u>	<u>48.31%</u>	<u>1.00%</u>	<u>0.48%</u>	<u>0.48%</u>
TOTAL INVESTMENT RETURN	<u>\$ 1,635,672,213</u>	<u>100.00%</u>		<u>0.48%</u>	<u>0.48%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0048

(b) Federal Income Tax =
$$\left(\frac{R.O.E. + \left(\left(\frac{PTF\ Inv. Tax\ Credit + Eq. AFUDC\ of\ Deprec. Exp.}{PTF\ Inv. Base} \right) \right)}{1} \right) \times \frac{Federal\ Income\ Tax\ Rate}{Federal\ Income\ Tax\ Rate}$$

=
$$\left(\frac{0.0048 + \left(\left(\frac{0 + 0}{190,507,013} \right) \right)}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0025846

(c) State Income Tax =
$$\left(\frac{R.O.E. + \left(\left(\frac{PTF\ Inv. Tax\ Credit + Eq. AFUDC\ of\ Deprec. Exp.}{PTF\ Inv. Base} \right) \right)}{1} + \frac{Federal\ Income\ Tax}{State\ Income\ Tax\ Rate} \right) \times \frac{State\ Income\ Tax\ Rate}{State\ Income\ Tax\ Rate}$$

=
$$\left(\frac{0.0048 + \left(\left(\frac{0 + 0}{190,507,013} \right) \right) + \frac{0.0025846}{0.09}}{1} \right) \times \frac{0.09}{0.09}$$

= 0.0007303

(a)+(b)+(c) **Cost of Capital Rate** = 0.0081149

(post-2003 PTF)

INVESTMENT BASE	\$ 190,507,013	From Worksheet 1a
x Cost of Capital Rate	0.0081149	
= Investment Return and Income Taxes	<u>\$ 1,545,945</u>	To Worksheet 1a

The United Illuminating Company
Annual Revenue Requirements of post-2003 PTF Incremental Return
for costs in 2013
Incremental Portion of ROE at 50 bp Adder

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 845,460,000	51.69%	#N/A		
PREFERRED STOCK					
COMMON EQUITY	<u>790,212,213</u>	<u>48.31%</u>	<u>0.50%</u>	<u>0.24%</u>	<u>0.24%</u>
TOTAL INVESTMENT RETURN	<u>\$ 1,635,672,213</u>	<u>100.00%</u>		<u>0.24%</u>	<u>0.24%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0024

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp}}{\text{PTF Inv. Base}} \right) \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0024 + \left(\left(\frac{0 + 0}{119,680,844} \right) \right)}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0012923

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp}}{\text{PTF Inv. Base}} \right) \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0024 + \left(\left(\frac{0 + 0}{119,680,844} \right) \right)}{1} \right) + \frac{0.0012923}{0.09} \times 0.09$$

= 0.0003652

(a)+(b)+(c) **Cost of Capital Rate** = 0.0040575

(post-2003 PTF)

INVESTMENT BASE	\$ 119,680,844	From Worksheet 1a
x Cost of Capital Rate	0.0040575	
= Investment Return and Income Taxes	<u>\$ 485,605</u>	To Worksheet 1a

The United Illuminating Company - 2013
Pre-1997/Post-1996 PTF

RNS Rate
Worksheet 3 of 8

Sheet: Worksheet 3

Line No.		(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4a) PTF Allocation Factor (b)	Pre-97	(4b)	Post-96	FERC Form 1 Reference for col (1)
						(5a) = (3)*(4a) PTF Allocated	PTF Allocation Factor (b)	(5b) = (3)*(4b) PTF Allocated	
	Shading denotes an input								
	<u>Transmission Plant</u>								
1	Transmission Plant	687,032,402		687,032,402		110,258,277 (c)		501,424,498	Internal Company Records
2	General Plant	258,904,919	13.0583% (a)	33,808,658	16.0485%	5,425,777	72.9841%	24,674,949	Page 207.99g
3	Total (line 1+2)			720,841,061		115,684,054		526,099,447	
4	<u>Transmission Plant Held for Future Use</u>	12,553,658		12,553,658	16.0485%	2,014,672	72.9841%	9,162,176	Page 214.47d
	<u>Transmission Accumulated Depreciation</u>								
5	Transmission Accum. Depreciation	94,341,043		94,341,043	16.0485%	15,140,306	72.9841%	68,853,973	Page 219.25b
5A	Transmission Cost of Removal	17,997,203		17,997,203	16.0485%	2,888,278	72.9841%	13,135,099	Included in Page 219
6	General Plant Accum. Depreciation	55,105,929	13.0583% (a)	7,195,914	16.0485%	1,154,835	72.9841%	5,251,874	Page 219.28b
7	Total (line 5+6)			119,534,161		19,183,419		87,240,946	
	<u>Transmission Accumulated Deferred Taxes</u>								
8	Accumulated Deferred Taxes (281-283)	(587,206,669)	35.0823%	(206,005,865)	16.0485%	(33,060,816)	72.9841%	(150,351,551)	Internal Company Records
9	Accumulated Deferred Taxes (190)	101,398,106	35.0823%	35,572,833	16.0485%	5,708,900	72.9841%	25,962,516	Internal Company Records
10	Total (line 8+9)			(170,433,032)		(27,351,916)		(124,389,035)	
11	<u>Transmission loss on Reacquired Debt</u>	11,301,258	35.0823%	3,964,746	16.0485%	636,282	72.9841%	2,893,635	Page 111.81c
	<u>Other Regulatory Assets/Liabilities</u>								
12	FAS 106	0	13.0583% (a)	0	16.0485%	0	72.9841%	0	Page 232
13	FAS 109 Asset	156,161,333	35.0823%	54,785,056	16.0485%	8,792,170	72.9841%	39,984,387	Internal Company Records
14	FAS 109 Liability	(7,146,433)	35.0823% (d)	(2,507,136)	16.0485%	(402,357)	72.9841%	(1,829,811)	Internal Company Records
15	Total (line 12+13+14)	149,014,900		52,277,920		8,389,813		38,154,576	
16	<u>Transmission Prepayments</u>	2,361,102	13.0583% (a)	308,320	16.0485%	49,481	72.9841%	225,025	Page 111.57c
17	<u>Transmission Materials and Supplies</u>	0		0	16.0485%	0	72.9841%	0	Page 227.8c
	<u>Cash Working Capital</u>								
19	Operation & Maintenance Expense					5,172,730		23,524,162	Worksheet 1, Line 20
20	Administrative & General Expense					1,166,701		5,305,837	Worksheet 1, Line 21
21	Transmission Support Expense					758,775		0	Worksheet 1, Line 24
22	Subtotal (line 19+20+21)					7,098,206		28,829,999	
23						0.125		0.125	x 45 / 360
24	Total (line 22 * line 23)					887,276		3,603,750	

- (a) Worksheet 5 of 8, line 11
- (b) Worksheet 5 of 8, line 3
- (c) Pre-97 PTF
- (d) Worksheet 5 of 8, line 16

The United Illuminating Company - 2013
Pre-1997/Post-1996 PTF

RNS Rate
Worksheet 4 of 8

Sheet: Worksheet 4

Line No.	Description	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4a) PTF Allocation Factor (b)	Pre-97	(4b)	Post-96	FERC Form 1 Reference for col (1)
						(5a) = (3)*(4a) PTF Allocated	PTF Allocation Factor (b)	(5b) = (3)*(4b) PTF Allocated	
BOLD Shading denotes an input denotes checked to FF1									
Depreciation Expense									
1	Transmission Depreciation	14,730,693		14,730,693	16.0485%	2,364,053	72.9841%	10,751,065	Page 336.7f
2	General Depreciation	12,236,377	13.0583% (a)		16.0485%	256,433	72.9841%	1,166,189	Page 336.10f
3	Total (line 1+2)			16,328,559		2,620,486		11,917,254	
4	Amortization of Loss on Reacquired Debt	819,930	35.0823% (c)	287,651	16.0485%	46,164	72.9841%	209,939	Page 117.64c
5	Amortization of Investment Tax Credits	146,496	35.0823% (c)	51,394	16.0485%	8,248	72.9841%	37,510	Page 266.8f
Property Taxes									
6	Transmission Property Taxes	13,221,360		13,221,360	16.0485%	2,121,828	72.9841%	9,649,492	Page 262.28a
7	General Property Taxes (included above)					0		0	Page 263.13i
8	Total (line 6+7)			13,221,360		2,121,828		9,649,492	
Transmission Operation and Maintenance									
9	Operation and Maintenance	122,290,331							Page 322.112b
10	Transmission of Electricity by Others - #565	88,206,290							Page 322.96b
11	Load Dispatching - #561	1,852,147							Page 322.85-92b
12	**Station Expenses & Rents - #562 / #567								Page 322.93b + 322.98b
13	O&M less lines 10, 11 & 12	32,231,894		32,231,894	16.0485%	5,172,730	72.9841%	23,524,162	
Transmission Administrative and General									
14	Administrative and General	49,290,770							Page 324.197b
15	less Property Insurance (#924)	348,191							Page 324.185b
16	less Regulatory Expenses (#928)	2,581,303							Page 324.189b
17	less General Advertising Expense (#930.1)	0							Page 324.191b
18	Subtotal [Line 14 minus (15 thru 17)]	46,361,276	13.0583% (a)	6,054,008	16.0485%	971,576	72.9841%	4,418,464	
19	Plus Property Insurance (#924)	348,191	35.0823% (c)	122,154	16.0485%	19,604	72.9841%	89,153	Page 324.185b
20	Plus FERC Assessments (#928)	289,764		289,764	16.0485%	46,503	72.9841%	211,482	Page 350.3d
20A	Plus CT Regulatory Expenses (#928)	2,291,539	35.0823% (c)	803,926	16.0485%	129,018	72.9841%	586,738	Page 350.1d + 350.5d
21	Plus Trans. Related General Advertising Exp.	0		0	16.0485%	0	72.9841%	0	
22	Total Transmisson A&G [line 18 plus (19 thru 21)]			7,269,851		1,166,701		5,305,837	
23	Payroll Tax Expense	3,540,000 (e)	13.0583% (a)	462,265	16.0485%	74,186	72.9841%	337,380	
(a) Worksheet 5 of 8, line 11									
(b) Worksheet 5 of 8, line 3									
(c) Worksheet 5 of 8, line 16									
(d) Property taxes were allocated to transmission related general plant based on the ratio of general plant (Worksheet 3 of 8, line 2) to total plant in service (Worksheet 5 of 8, line 15) multiplied by the transmission wages and salaries allocation factor (Worksheet 5 of 8, line 11)									
(e) Payroll taxes FERC Form 1, page 263.i ,263.1i									
24	Federal Unemployment	(90,704)							Page 263.5i
25	FICA	3,487,601							Page 263.4i
26 ***	Medicare	0							
27	CT State Unemployment	143,103							Page 263.12i
	Total	3,540,000							To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.
*** Medicare costs are included in FICA, Line 4

The United Illuminating Company - 2013
pre-1997/post-1996 PTF

Shading denotes an input

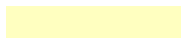
Line No.		Pre-1997 PTF	Post-1996 PTF	Total	FERC Form 1 Reference
<u>PTF Transmission Plant Allocation Factor</u>					
1	PTF Transmission Investment	110,258,277	501,424,498	611,682,774	Internal Plant Accounting
2	Total Transmission Investment	687,032,402	687,032,402	687,032,402	Page 207.58g
3	Percent Allocation (line 1/2)	16.0485%	72.9841%	89.0326%	
<u>Transmission Wages and Salaries Allocation Factor</u>					
4	Direct Transmission Wages and Salaries			5,822,467	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries			0	Worksheet 6 of 8
6	Total Transmission Wages and Salaries (line 4+ 5)			5,822,467	
7	Total Wages and Salaries			50,472,095	Page 354.28b
8	Administrative and General Wages and Salaries			5,883,950	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G			0	Worksheet 6 of 8
10	Total Wages and Salaries net of A&G (line 7 - 8 + 9)			44,588,145	
11	Percent Allocation (line 6/10)			13.0583%	
<u>Plant Allocation Factor</u>					
12	Total Transmission Investment			687,032,402	Internal Company Records
13	plus Transmission-related General Plant			33,808,658	Worksheet 3 of 8, Line 2
14	Total Transmission Related Plant (line 12 + line 13)			720,841,061	
15	Total Plant in Service			2,054,711,783	Page 207.100g
16	Percent Allocation (line 14/15)			35.0823%	

The United Illuminating Company - 2013

RNS Rate
Worksheet 6 of 8

Sheet: Worksheet 6

Affiliated Company Wages and Salaries-2013

 Shading denotes an input

Line		UI	
"Affiliated" Transmission Wages and Salaries			
#560 - 573			
1	560	0	
2	562	0	
3	564	0	
4	566	0	
5	568	0	
6	569	0	
7	570	0	
8	571	0	
9	572	0	
10	573	0	
11 = 1 thru 10	Total Transmission	0	To Worksheet 5
12 =	Total "Affiliated" Wages and Salaries	0	
Less "Affiliated" Administrative and General Salaries			
#920 - 935			
13	920	0	
14	921	0	
15	923	0	
16	925	0	
17	926	0	
18	928	0	
19	930	0	
20	935	0	
21 = 13 thru 20		0	
22 = 12 less 21	Total "Affiliated" less A&G	0	To Worksheet 5

The United Illuminating Company - 2013
For the Year 2013

Sheet: Worksheet 7

RNS Rate
Worksheet 7 of 8

Input Revenues associated with the PTF Supporting Facilities in column (a) and expenses associated with the facilities in column (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

The United Illuminating Company - 2013			
Participant	PTF Supporting Facilities	Revenues (a)	Expenses (b)
Boston Edison:	345 kV Sherman - Medway 336 line 115 kV Somerville 402 Substation 115/345 kV North Cambridge 509 Substation 345 kV Golden Hills -Mystic 389 (x&y) line West Medway 345 kV breaker 115 kV Millbury-Medway 201 line HQ Phase II - AC in MA 345 kV "stabilizer" 342 line 345 kV Walpole - Medway 325 line 345 kV Carver - Walpole 331 line 345 kV Jordan Rd - Canal 342 line		23,995
Commonwealth:	Second Canal line 345 kV Pilgrim-Bridgewater (M.S.- Tower 77) 355 line 345 kV Myles Standish - Canal 342 line		
Central Maine Power:	345 kV Buxton-South Gorham 386 line 115 kV Wyman 164-167 lines 115 kV Maine Yankee transmission		
Eastern Utilities:	345 kV Carver - Walpole 331 line 345 kV Medway - Bridgewater 344 Line Northern Rhode Island transmission		
New England Power:	Chester SVC Comerford 115 kV Substation 345 kV Sandy-Tewksbury 337 line 345 kV Tewksbury-Woburn 338 line 115 kV Tewksbury - Woburn M139 line 115 kV Tewksbury - Woburn N140 line Moore 115 kV Substation HQ Phase II - AC in MA 345 kV Golden Hills-Mystic 349 line 345 kV NH/MA border-Tewksbury 394 line 115 kV Read - Washington V148 line		141,295
Northeast Utilities:	345 kV 363, 369 and 394 Seabrook lines Fairmont 115 kV Substation 345 kV Millstone-Manchester 310 line 345 kV E.Shore-Black Pond Jct. 387 line Substation Supply Agreements		259,128
Total =		0	758,775

Page 332.13g

Page 332.9g

Page 332.12g

Page 332.2g

**Summary of The United Illuminating Company System
Monthly Coincident Peaks for 2013
(Kilowatts)**

Shading denotes an input

	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Day	03	29	01	16	29	21	18	03	07	05	27	17
Hour	1900	1900	1900	1500	1600	1700	1500	1600	1600	1400	1800	1800
The UI Co.	675,343	633,633	598,771	548,848	783,493	871,289	1,019,279	819,901	904,327	605,187	609,853	677,872
Hosley Substation	3,091	2,252	2,075	2,083	2,389	3,946	3,201	3,095	1,819	2,935	3,624	2,327
PSEG/Connecticut, (kW)	637	582	6,725	6,584	5,476	320	75	6,332	0	4,011	3,523	708
CP Energy / Brigdeport Energy	0	0	0	0	3,600	0	0	0	0	0	0	0
Annual UI System Average 12 CP Load												<u>734,934</u>

Day/Hour per 12 CP detail file

03/1900 29/1900 01/1900 16/1500 29/1600 21/1700 18/1500 03/1600 07/1600 05/1400 27/1800 17/1800

The United Illuminating Company - 2013

YEAR	Equity AFUDC	DEBT AFUDC	Total AFUDC	AFUDC RATE	RNS Rate Equity AFUDC Rate
1941	0.00	1.00	1.00	0.00%	0.00%
1942	0.00	1.00	1.00	0.00%	0.00%
1943	0.00	1.00	1.00	0.00%	0.00%
1944	0.00	1.00	1.00	0.00%	0.00%
1945	0.00	1.00	1.00	0.00%	0.00%
1946	0.00	1.00	1.00	0.00%	0.00%
1947	0.00	1.00	1.00	0.00%	0.00%
1948	0.00	1.00	1.00	0.00%	0.00%
1949	0.00	1.00	1.00	0.00%	0.00%
1950	0.00	1.00	1.00	0.00%	0.00%
1951	0.00	1.00	1.00	0.00%	0.00%
1952	0.00	1.00	1.00	0.00%	0.00%
1953	0.00	1.00	1.00	0.00%	0.00%
1954	0.00	1.00	1.00	0.00%	0.00%
1955	0.00	1.00	1.00	0.00%	0.00%
1956	0.00	1.00	1.00	0.00%	0.00%
1957	0.00	1.00	1.00	0.00%	0.00%
1958	0.00	1.00	1.00	0.00%	0.00%
1959	0.00	1.00	1.00	0.00%	0.00%
1960	0.00	1.00	1.00	0.00%	0.00%
1961	0.00	1.00	1.00	0.00%	0.00%
1962	0.00	1.00	1.00	0.00%	0.00%
1963	0.00	1.00	1.00	0.00%	0.00%
1964	0.00	1.00	1.00	0.00%	0.00%
1965	0.00	1.00	1.00	0.00%	0.00%
1966	0.00	1.00	1.00	0.00%	0.00%
1967	0.00	1.00	1.00	0.00%	0.00%
1968	0.00	1.00	1.00	0.00%	0.00%
1969	0.00	1.00	1.00	0.00%	0.00%
1970	0.00	1.00	1.00	0.00%	0.00%
1971	0.00	1.00	1.00	0.00%	0.00%
1972	0.00	1.00	1.00	0.00%	0.00%
1 1973	0.00	1.00	1.00	0.00%	0.00%
2 1974	0.00	1.00	1.00	0.00%	0.00%
3 1975	0.00	1.00	1.00	0.00%	0.00%
4 1976	0.00	1.00	1.00	0.00%	0.00%
5 1977	2,518,016.00	2,419,271.00	4,937,287.00	8.30%	4.23%
6 1978	3,396,839.00	4,871,127.00	8,267,966.00	8.30%	3.41%
7 1979	4,574,700.00	10,925,831.00	15,500,531.00	9.90%	2.92%
8 1980	13,007.00	14,548.00	27,555.00	11.00%	5.19%
9 1981	21,022.00	7,091.00	28,113.00	9.00%	6.73%
10 1982	31,631.00	8,718.00	40,349.00	10.00%	7.84%
11 1983	40,443.00	11,964.00	52,407.00	10.25%	7.91%
12 1984	44,495.00	12,747.00	57,242.00	10.50%	8.16%
13 1985	46,083.00	16,540.00	62,623.00	10.75%	7.91%
14 1986	57,393.00	20,651.00	78,044.00	11.00%	8.09%
15 1987	54,933.00	26,486.00	81,419.00	13.00%	6.80%
16 1988	48,605.00	27,051.00	75,656.00	10.00%	6.58%
17 1989	38,968.00	26,475.00	65,443.00	12.30%	5.57%
18 1990	1,085.00	2,358.00	3,443.00	11.75%	3.39%
19 1991	1,259.00	3,931.00	5,190.00	10.88%	2.06%
20 1992	1,003.00	2,229.00	3,232.00	10.25%	3.18%
21 1993	999.00	3,068.00	4,067.00	8.75%	2.15%
22 1994	753.00	2,710.00	3,463.00	8.19%	1.78%
23 1995	390.00	2,372.00	2,762.00	8.00%	1.13%
24 1996	940.00	1,435.00	2,375.00	9.00%	3.56%
25 1997	336.00	1,239.00	1,575.00	7.50%	1.60%
26 1998	13.00	455.00	468.00	7.00%	0.19%
27 1999	575.00	1,660.00	2,235.00	7.75%	1.99%
28 2000	1,149.00	1,459.00	2,608.00	8.42%	3.71%
29 2001	1,123.00	789.00	1,912.00	9.02%	5.41%
30 2002	1,237.00	983.00	2,220.00	9.09%	5.41%
31 2003				8.08%	5.02%
32 2004					5.02%
33 2005					5.21%
34 2006					3.69%
35 2007					3.80%
36 2008					5.02%
37 2009					1.92%
38 2010					6.04%
39 2011					4.36%
40 2012					4.25%
41 2013					5.99%
Total					167.23%
Total divided by 41 years					4.08%
Transmission Depreciation					\$14,730,693
Equity AFUDC Portion of Depr. Exp.					\$600,843
PTF % Pre-97					16.0485%
Pre- 97 PTF Equity AFUDC Portion of Depr. Exp.					\$96,426
PTF % Post-96					72.9841%
Post-96 PTF Equity AFUDC Portion of Depr. Exp.					\$438,520

The United Illuminating Company 2014 Forecasted Plant in Service and PTF Transmission Revenue Requirements
(in thousands)

		(A)	(B)	(C)=(A)x(B)	(D)	(E)=(C) / (D)		
Company	Project Name	RSP ID	Est ISD	Estimated PTF Plant In- Service (in thousands)	Annual Carrying Charge	Forecasted PTF Revenue Requirement (in thousands)	2013 12CP RNS Load	RNS Rate Impact \$/kw-yr
UI	Pequonnock Disconnect Switch Upgrade	N/A	Dec-14	\$ 6,000,000	19.17%	\$ 1,150,477	20,910,580	\$ 0.0550
UI	Mill River Fault Duty Mitigation	N/A	Dec-14	\$ 2,400,000	19.17%	\$ 460,191	20,910,580	\$ 0.0220
UI	OCB Replacement Program	N/A	May-14	\$ 2,300,000	19.17%	\$ 441,016	20,910,580	\$ 0.0211
UI	FAC-008	N/A	Various	\$ 1,500,000	19.17%	\$ 287,619	20,910,580	\$ 0.0138
UI	Substation Communication Hardening	N/A	Mar-14	\$ 700,000	19.17%	\$ 134,222	20,910,580	\$ 0.0064
UI	Other	N/A	Various	\$ 2,100,000	19.17%	\$ 402,667	20,910,580	\$ 0.0193
Total UI				\$ 15,000,000		\$ 2,876,192	20,910,580	\$ 0.1375

The United Illuminating Company
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2013 06/13-05/14

RNS Rate

		Attachment F				
		Reference				
Line No.	I.	Section:	Pre-97	Post-1996	Total	Reference
1	INVESTMENT BASE	I (A)(1)(a)	108,198,610	445,284,403	553,483,014	Worksheet 3, line 1 column 5
2	Transmission Plant	I (A)(1)(b)	5,368,232	22,092,614	27,460,846	Worksheet 3, line 2 column 5
3	General Plant	I (A)(1)(c)	2,123,849	8,740,562	10,864,411	Worksheet 3, line 4 column 5
4	Plant Held For Future Use		115,690,691	476,117,579	591,808,270	
5	Total Plant (Lines 1+2+3)					
5	Accumulated Depreciation	I (A)(1)(d)	18,639,584	76,710,005	95,349,589	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	I (A)(1)(e)	25,757,444	106,003,103	131,760,547	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	I (A)(1)(f)	736,668	3,031,710	3,768,378	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	I (A)(1)(g)	7,044,127	28,989,650	36,033,777	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		79,074,458	325,425,831	404,500,289	
10	Prepayments	I (A)(1)(h)	54,398	223,870	278,268	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	22,350	91,981	114,331	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	934,512	3,457,822	4,392,334	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		80,085,718	329,199,504	409,285,222	
II. REVENUE REQUIREMENTS						
14	Investment Return and Income Taxes	I (A)	10,298,575	42,333,509	52,632,084	Worksheet 2
15	Depreciation Expense	I (B)	2,555,160	10,515,595	13,070,755	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	I (C)	49,904	205,378	255,282	Worksheet 4, line 4 column 5
17	Investment Tax Credit	I (D)	(8,916)	(36,695)	(45,611)	Worksheet 4, line 5 column 5
18	Property Taxes	I (E)	1,998,070	8,222,927	10,220,997	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	73,815	303,781	377,596	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	5,581,009	22,968,283	28,549,292	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	1,140,655	4,694,292	5,834,947	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	I (I)	0	0	0	
23	Transmission Support Revenue	I (J)	0	0	0	Worksheet 7
24	Transmission Support Expense	I (K)	754,433	0	754,433	Worksheet 7
25	Transmission Related Expense from Generators	I (L)	0	0	0	
26	Transmission Related Taxes and Fees Charge	I (M)	0	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	I (N)	(8,579)	0	(8,579)	Txm related Acct 456
28	Transmission Rents Received from Electric Property	I (O)	(83,642)	0	(83,642)	Txm related Acct 454-rent
29	Total Revenue Requirements (Line 14 thru 28)		22,350,484	89,207,070	111,557,554	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT						
30	Carrying Charge Factor Base Revenue Requirement Numerator			89,207,070		
31	Post-2003 Enhanced Return Addition to Revenue Requirement			2,533,713		
32	Total Post-96 PTF Revenue Requirement			91,740,783		
33	Post-96 PTF Transmission Plant in Service			445,284,403		
34	Post-96 Carrying Charge Factor (Post-96 CCF)			0.200337		
35	Forecasted Post-96 PTF Plant Additions			61,675,000		
5	Accumulated Depreciation	I (A)(1)(d)	18,639,584	76,710,005	95,349,589	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	I (A)(1)(e)	25,757,444	106,003,103	131,760,547	Worksheet 3, line 10 column 5

RNS Rate

**The United Illuminating Company
FERC Interest Calculation with Under / (Over)
True-up and Interest Calculation for 2013**

1 2013 Est. Transmission Revenue Requirements (as billed)	6/13-05/14	Appendix C	Pre-97 22,350,484	Post-96 104,096,585	Total 126,447,069	ATRR - Prior Year
2 2013 Actual Annual RR			21,819,855	98,177,771	119,997,626	Input Panel Subtotals
3 True-up Over/(Under) (Line 1 - Line 2)			530,629	5,918,814	6,449,443	

01/01/2013

Pre'97	Undercollection / (Overcollection)
Post'96	

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2013	(530,629)	(5,918,814)	0.27%	(\$1,433)	(\$15,981)
July 2013	(532,061)	(5,934,795)	0.28%	(\$1,490)	(\$16,617)
August 2013	(532,061)	(5,934,795)	0.28%	(\$1,490)	(\$16,617)
September 2013	(532,061)	(5,934,795)	0.27%	(\$1,437)	(\$16,024)
October 2013	(536,478)	(5,984,054)	0.28%	(\$1,502)	(\$16,755)
November 2013	(536,478)	(5,984,054)	0.27%	(\$1,448)	(\$16,157)
December 2013	(536,478)	(5,984,054)	0.28%	(\$1,502)	(\$16,755)
January 2014	(540,930)	(6,033,722)	0.28%	(\$1,515)	(\$16,894)
February 2014	(540,930)	(6,033,722)	0.25%	(\$1,352)	(\$15,084)
March 2014	(540,930)	(6,033,722)	0.28%	(\$1,515)	(\$16,894)
April 2014	(545,312)	(6,082,595)	0.27%	(\$1,472)	(\$16,423)
May 2014	(545,312)	(6,082,595)	0.28%	(\$1,527)	(\$17,031)
Total Interest				(17,682)	(197,235)
True-Up				(530,629)	(5,918,814)
Total TU & Int				(548,311)	(6,116,049)
					(214,917)
					(6,449,443)
					(6,664,360)

The United Illuminating Company
PTF Investment by Year
As of 12/31/2013



<u>Pre-Post</u>	<u>Year</u>	<u>3500</u>	<u>3520</u>	<u>3530</u>	<u>3540</u>	<u>3550</u>	<u>3560</u>	<u>3570</u>	<u>3580</u>	<u>Total</u>
Post-03										
	2004	0.00	198,940.67	2,831,288.10	0.00	0.00	1,288,165.27	0.00	996,951.78	5,315,345.82
	2005	0.00	4,249.40	1,490,114.65	193,047.80	0.00	63,293.83	414,624.83	703,101.61	2,868,432.12
	2006	0.00	31,363.68	2,539,775.61	191,585.67	0.00	21.00	6,839.28	0.00	2,769,585.24
	2007	2,791.47	160,495.09	1,148,816.90	76,169.30	0.00	171,828.57	0.00	0.00	1,560,101.33
	2008	876,937.43	14,068,150.55	119,547,196.10	0.00	0.00	233,733.67	114,960,252.09	46,846,618.29	296,532,888.13
	2009	0.00	0.00	7,058.16	0.00	0.00	0.00	6,072.53	122,759.76	135,890.45
	2010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal		879,728.90	14,463,199.39	127,564,249.52	460,802.77	0.00	1,757,042.34	115,387,788.73	48,669,431.44	309,182,243.09
Post-08										
	2009	0.00	2,555,263.10	2,184,216.22	886,014.40	0.00	0.00	0.00	0.00	5,625,493.72
	2010	0.00	985,298.00	8,527,839.88	0.00	0.00	138,798.39	0.00	0.00	9,651,936.27
	2011	0.00	4,141,417.85	28,908,634.23	0.00	0.00	12,126.01	2,377,557.10	3,839,776.76	39,279,511.95
	2012	0.00	10,921,916.49	48,438,259.77	5,132,319.96	0.00	1,214,063.07	1,373,391.82	5,400,613.81	72,480,564.92
	2013	0.00	336,857.11	20,119,119.42	11,641,242.18	0.00	23,494,773.29	0.00	0.00	55,591,992.00
Subtotal		0.00	18,940,752.55	108,178,069.52	17,659,576.54	0.00	24,859,760.76	3,750,948.92	9,240,390.57	182,629,498.86
Post-96										
	1997	0.00	1,353,323.00	665,985.30	0.00	0.00	5,944.10	0.00	96,292.33	2,121,544.73
	1998	0.00	151,243.17	962,836.72	911,471.30	0.00	17,796.92	0.00	0.00	2,043,348.11
	1999	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2000	0.00	73,858.93	420,306.72	668,343.63	0.00	66,708.68	0.00	0.00	1,229,217.96
	2001	0.00	70,161.69	878,114.28	0.00	0.00	0.00	0.00	0.00	948,275.97
	2002	0.00	0.00	852,391.80	1,420,331.53	0.00	42,626.88	0.00	0.00	2,315,350.21
	2003	0.00	0.00	955,018.58	0.00	0.00	0.00	0.00	0.00	955,018.58
Subtotal		0.00	1,648,586.79	4,734,653.40	3,000,146.46	0.00	133,076.58	0.00	96,292.33	9,612,755.56

<u>Pre-Post</u>	<u>Year</u>	<u>3500</u>	<u>3520</u>	<u>3530</u>	<u>3540</u>	<u>3550</u>	<u>3560</u>	<u>3570</u>	<u>3580</u>	<u>Total</u>
Pre-97										
	1900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1923	4,994.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,994.83
	1925	0.00	0.00	0.00	53,194.27	0.00	29,047.79	0.00	0.00	82,242.06
	1926	173,320.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173,320.43
	1936	18,547.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18,547.78
	1937	21,477.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21,477.75
	1938	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1940	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1941	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1942	0.00	242.72	17,480.41	229,476.46	0.00	9,590.14	185,294.38	0.00	442,084.11
	1943	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1944	249.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	249.74
	1946	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1947	0.00	0.00	67.82	0.00	0.00	0.00	0.00	0.00	67.82
	1948	0.00	0.00	1.59	0.00	0.00	0.00	0.00	0.00	1.59
	1949	329.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	329.91
	1950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	442.92	442.92
	1952	8,636.11	804.22	153.97	0.00	0.00	0.00	0.00	0.00	9,594.30
	1953	12,848.49	1,160.66	0.00	6,813.27	0.00	0.00	0.00	0.00	20,822.42
	1954	804.31	6,050.59	123,839.16	64,630.55	0.00	3,548.97	0.00	0.00	198,873.58
	1955	14,005.57	1,665.35	3,690.92	20,335.11	0.00	478.23	0.00	0.00	40,175.18
	1956	0.00	383.08	169.72	0.00	0.00	0.00	0.00	0.00	552.80
	1957	0.00	1,818.93	1,710.41	0.00	0.00	0.00	0.00	0.00	3,529.34
	1958	21,759.76	45,162.40	398,163.31	36,281.88	0.00	3,843.89	53,354.69	0.00	558,565.93
	1959	245,892.47	2,715.04	62,723.28	38,759.65	0.00	76,362.51	0.00	0.00	426,452.95
	1960	25,587.14	7,848.45	198,055.58	0.00	0.00	0.00	258,527.81	271,620.69	761,639.67
	1961	227,781.63	15,838.55	108,967.34	392,981.98	0.00	132,082.43	534,675.22	489,080.27	1,901,407.42
	1962	106,752.79	1,512.71	92,350.30	264,510.32	0.00	201,744.96	0.00	329.55	667,200.63

<u>Pre-Post</u>	<u>Year</u>	<u>3500</u>	<u>3520</u>	<u>3530</u>	<u>3540</u>	<u>3550</u>	<u>3560</u>	<u>3570</u>	<u>3580</u>	<u>Total</u>
	1963	26,967.28	8,901.08	65,093.12	77,818.49	0.00	14,813.88	957.05	0.00	194,550.90
	1964	1,755.76	8,865.26	114,286.44	763.19	0.00	1,441.57	0.00	0.00	127,112.22
	1965	12,238.06	4,306.72	139,675.07	0.00	0.00	1,689.01	0.00	0.00	157,908.86
	1966	40,626.82	24,605.27	334,841.14	758,669.73	0.00	631,547.86	494,750.01	488,886.62	2,773,927.45
	1967	55,145.14	3,528.41	424.09	971.83	0.00	0.00	0.00	0.00	60,069.47
	1968	229,086.68	210,727.39	313,632.31	109,517.30	213,067.23	136,209.24	3,829.12	5,113.27	1,221,182.54
	1969	188,811.05	103,301.69	715,361.96	0.00	1,956.12	548.85	2,165.29	978,060.17	1,990,205.13
	1970	3,148.97	13,303.51	91,400.33	0.00	1,573.96	6,529.20	60,559.12	85,538.57	262,053.66
	1971	3,308.00	22,768.72	615,930.43	0.00	0.00	4,191.55	0.00	3,152.46	649,351.16
	1972	7,626.51	10,759.23	239,324.28	0.00	0.00	60,000.00	0.00	0.00	317,710.02
	1973	383,116.24	118,311.17	1,346,228.22	163,137.28	2,175,313.07	809,883.37	0.00	0.00	4,995,989.35
	1974	219,250.38	289,548.64	4,488,544.36	2,354.29	2,716,632.00	733,053.93	0.00	59,635.26	8,509,018.86
	1975	4,428,074.42	82,116.17	218,240.29	0.00	41,426.49	10,957.97	0.00	0.00	4,780,815.34
	1976	2,133.32	746.30	63,336.50	15.39	0.00	0.00	0.00	0.00	66,231.51
	1977	3,922.21	0.00	8,267.73	81,979.29	0.00	210,621.90	0.00	0.00	304,791.13
	1978	12,629.60	0.00	219,055.60	0.00	4,742,480.25	406,040.48	0.00	0.00	5,380,205.93
	1979	0.00	0.00	4,077.83	0.00	0.00	38,716.77	0.00	0.00	42,794.60
	1980	0.00	0.00	2,247.49	0.00	118,029.43	59,419.37	0.00	0.00	179,696.29
	1981	24,510.72	45,138.49	144,092.36	0.00	415,774.29	38,962.55	5,675.72	0.00	674,154.13
	1982	1,120.66	14,097.79	68,397.74	0.00	112,048.03	0.00	0.00	0.00	195,664.22
	1983	11,055.44	0.00	14,822.01	0.00	1,560.04	60,682.30	0.00	0.00	88,119.79
	1984	0.00	3,350.71	40,945.63	0.00	0.00	7,276.18	0.00	0.00	51,572.52
	1985	58,186.93	0.00	119,014.53	0.00	0.00	0.00	0.00	25,600.45	202,801.91
	1986	0.00	0.00	100,158.06	0.00	0.00	0.00	0.00	0.00	100,158.06
	1987	0.00	0.00	88,364.48	0.00	0.00	0.00	0.00	0.00	88,364.48
	1988	5,275.28	0.00	25,254.36	0.00	0.00	0.00	0.00	0.00	30,529.64
	1989	0.00	675,694.57	3,681,024.09	65,160.06	0.00	5,967,775.22	0.00	1,259,201.16	11,648,855.10
	1990	0.00	4,455.34	1,487,749.35	3,463,931.03	0.00	648,391.20	0.00	0.00	5,604,526.92
	1991	0.00	0.00	2,266,594.71	0.00	0.00	0.00	851,782.51	7,256,907.43	10,375,284.65

<u>Pre-Post</u>	<u>Year</u>	<u>3500</u>	<u>3520</u>	<u>3530</u>	<u>3540</u>	<u>3550</u>	<u>3560</u>	<u>3570</u>	<u>3580</u>	<u>Total</u>
	1992	1,450,526.53	1,155,354.38	4,747,791.53	0.00	0.00	0.00	65,673.56	690,674.29	8,110,020.29
	1993	286,806.74	117,004.78	4,099,308.14	0.00	0.00	0.00	0.00	103,466.78	4,606,586.44
	1994	0.00	77,098.85	2,602,875.58	1,306,048.20	8,919,373.29	2,886,757.08	0.00	108,766.34	15,900,919.34
	1995	2,471,884.19	907,170.87	9,256,001.44	301,344.42	866,352.49	931,130.83	13,967.63	77,322.69	14,825,174.56
	1996	8,179.98	62,115.94	194,588.67	38,736.22	0.00	105,736.31	0.00	0.00	409,357.12
Subtotal		10,818,375.62	4,048,473.98	38,924,323.68	7,477,430.21	20,325,586.69	14,229,075.54	2,531,212.11	11,903,798.92	110,258,276.75
Grand Total		11,698,104.52	39,101,012.71	279,401,296.12	28,597,955.98	20,325,586.69	40,978,955.22	121,669,949.76	69,909,913.26	611,682,774.26

Sheet: Input Panel

ISO-New England Inc. Tariff Billing
 Annual Transmission Revenue Requirements
 Per FERC Electric Tariff No. 3, Section II - Attachment F

Shading denotes an input

Submitted on: 12-May-14

Revenue Requirements for (year): Calendar Year 2013

Customer: Unitil Power Corp.

Customer's NABs Number: 185

Name of Participant responsible for customer's billing: New England Power Company

DUNs number of Participant responsible for customer's billing: 00-695-2881

	<u>Pre-97 Revenue Requirements</u>	<u>Post-97 Revenue Requirements</u>
Total of Attachment F - Sections A through I	= <u>0</u> (a)	<u>0</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>126,672</u> (c)	<u>0</u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>126,672</u> (e)=(a)-(b)+(c)+(d)	<u>0</u> (j)
Forecasted Transmission Revenue Requirements (per Appendix C to Attachment F Implementation Rule)	<u>N/A</u>	<u>N/A</u> (k) Worksheet 1a
Annual True-up (per Appendix C to Attachment F Implementation Rule)	<u>\$0</u> (l)	<u>\$0</u> (m) Worksheet 1c
Adjusted Sub Total - Sum (Sub Total + forecast + True-up)	<u>\$126,672</u> (n) = (e) + (l)	<u>\$0</u> (o)=(j)+(k)+(m)
Annual Revenue Requirements Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements & True-ups (including interest)	<u>\$126,672</u> (p) = (n) + (o)	

Unitil Power Corp.
Annual Revenue Requirements of PTF Facilities
for costs in 2013
PRE-1997

Shading denotes an input

Line No.	I. INVESTMENT BASE	Attachment F Reference	UPC	Total	Reference
		<i>Section:</i>			
1	Transmission Plant	(A)(1)(a)	0	0	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	0	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		0	0	
5	Accumulated Depreciation	(A)(1)(d)	0	0	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		0	0	
10	Prepayments	(A)(1)(h)	0	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	15,834	15,834	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		15,834	15,834	
	II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	0	0	Worksheet 2
15	Depreciation Expense	(B)	0	0	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	0	0	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	0	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	0	0	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	0	0	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	0	Worksheet 7
24	Transmission Support Expense	(K)	126,672	126,672	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	0	
28	Transmission Rents Received from Electric Property	(O)	0	0	
29	Total Revenue Requirements(Line 14 thru 28)		126,672	126,672	

Unitil Power Corp.
Annual Revenue Requirements
for costs in 2013

Shading denotes an input

	CAPITALIZATION	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 0	#DIV/0!	0.00%	#DIV/0!	
PREFERRED STOCK	0	#DIV/0!	0.00%	#DIV/0!	#DIV/0!
COMMON EQUITY	0	#DIV/0!	0.00%	#DIV/0!	#DIV/0!
TOTAL INVESTMENT RETURN	\$ 0	#DIV/0!		#DIV/0!	#DIV/0!

Cost of Capital Rate=

(a) Weighted Cost of Capital = $\frac{\#DIV/0!}{\#DIV/0!}$

(b) Federal Income Tax =
$$\left(\frac{R.O.E. + \left(\frac{PTF\ Inv. (Tax\ Credit + Eq.\ AFUDC\ of\ Deprec.\ Exp.)}{PTF\ Inv.\ Base} \right)}{1} \right) \times \frac{Federal\ Income\ Tax\ Rate}{Federal\ Income\ Tax\ Rate}$$

=
$$\left(\frac{\#DIV/0! + (0 + 0) / 15,834}{1} \right) \times \frac{0.34}{0.34}$$

= $\frac{\#DIV/0!}{\#DIV/0!}$

(c) State Income Tax =
$$\left(\frac{R.O.E. + \left(\frac{PTF\ Inv. (Tax\ Credit + Eq.\ AFUDC\ of\ Deprec.\ Exp.)}{PTF\ Inv.\ Base} \right) + \frac{Federal\ Income\ Tax}{State\ Income\ Tax\ Rate}}{1} \right) \times \frac{State\ Income\ Tax\ Rate}{State\ Income\ Tax\ Rate}$$

=
$$\left(\frac{\#DIV/0! + (0 + 0) / 15,834 + \#DIV/0!}{1} \right) \times \frac{0.085}{0.085}$$

= $\frac{\#DIV/0!}{\#DIV/0!}$

(a)+(b)+(c) **Cost of Capital Rate** = $\frac{\#DIV/0!}{\#DIV/0!}$

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 15,834	From Worksheet 1
x Cost of Capital Rate	#DIV/0!	
= Investment Return and Income Taxes	<u>0</u>	To Worksheet 1

Unitil Power Corp.

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
<u>Transmission Plant</u>						
1			0		0	Line 1, Worksheet 5
2	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Page 207.83g
3			<u>#DIV/0!</u>		<u>#DIV/0!</u>	
4	0		0	#DIV/0!	<u>#DIV/0!</u>	Page 214
<u>Transmission Accumulated Depreciation</u>						
5	0		0	#DIV/0!	#DIV/0!	Page 219.23b
6	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Page 219.25b
7			<u>#DIV/0!</u>		<u>#DIV/0!</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 275.2k + 277.9k (d)
9	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 234.8c (d)
10			<u>#DIV/0!</u>		<u>#DIV/0!</u>	
11	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	<u>#DIV/0!</u>	Page 111.65d
<u>Other Regulatory Assets</u>						
12	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Page 232.30e
13	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 233.1f - 269.1f (d)
14	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	
15	<u>0</u>		<u>#DIV/0!</u>		<u>#DIV/0!</u>	
16	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	<u>#DIV/0!</u>	Page 110.46d*p.200.8.c/p.200.8.k
17	0		0	#DIV/0!	<u>#DIV/0!</u>	Page 227.8c
<u>Cash Working Capital</u>						
19					0	Worksheet 1, Line 20
20					0	Worksheet 1, Line 21
21					126,672	Worksheet 1, Line 24
22					<u>126,672</u>	
23					0.125	x 45 / 360
24					<u>15,834</u>	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16
 (d) Electric Only (Gas Portion Removed)

Unitil Power Corp.

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	0		0	#DIV/0!	#DIV/0!	Page 336.7b
2	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Page 336.9b
3			#DIV/0!		#DIV/0!	
4	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 117.58c
5	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 266.8f
Property Taxes						
6	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 262i-263i (e)
7	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Page 262-263
8			#DIV/0!		#DIV/0!	
Transmission Operation and Maintenance						
9	0		0	#DIV/0!	#DIV/0!	Page 321.100b
10	0		0	#DIV/0!	#DIV/0!	Page 321.88b
11	0		0	#DIV/0!	#DIV/0!	Page 321.84b
12					0	Page 321.85b & .90b
13	0		0	#DIV/0!	#DIV/0!	
Transmission Administrative and General						
14	0					Page 323.168b
15	0					Page 323.156b
16	0					Page 350
17	0					Page 323.162b
18	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	
19	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	
20	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	
21	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	
22	0		#DIV/0!		#DIV/0!	
23	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Footnote (d)

- (a) Worksheet 5 of 8, line 11
- (b) Worksheet 5 of 8, line 3
- (c) Worksheet 5 of 8, line 16
- (d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	0
FICA	0
Medicare	0
State Unemployment	0
MA Universal Health	0
Payroll Taxes Capitalized	0

Total 0 To Line 23

(e) Electric Only (Gas Portion Removed)

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

Line
No.

FERC Form 1
Reference

PTF Transmission Plant Allocation Factor

UPC

1	PTF Transmission Investment	0
2	Total Transmission Investment	0
3	Percent Allocation (Line 1/Line 2)	<u>#DIV/0!</u>

See Workpaper 1
Page 207.53g

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	0
5	Affiliated Company Transmission Wages and Salaries	0
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	0
7	Total Wages and Salaries	0
8	Administrative and General Wages and Salaries	0
9	Affiliated Company Wages and Salaries less A&G	0
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	0
11	Percent Allocation (Line 6/Line 10)	<u>#DIV/0!</u>

Page 354.19b
Worksheet 6 of 8

Page 354.25b + Line 5
Page 354.24b
Worksheet 6 of 8

Plant Allocation Factor

12	Total Transmission Investment	0
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	<u>#DIV/0!</u>
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	<u>#DIV/0!</u>
15	Total Plant in Service	0
16	Percent Allocation (Line 14 / Line 15)	<u>#DIV/0!</u>

Page 207.53g
Worksheet 3, Line 2

Page 207.88g

Affiliated Company Wages and Salaries

Shading denotes an input

Line		UPC	
"Affiliated" Transmission Wages and Salaries			
#560 - 573			
1	560	0	
2	562	0	
3	564	0	
4	566	0	
5	568	0	
6	569	0	
7	570	0	
8	571	0	
9	572	0	
10	573	0	
11 = 1 thru 10	Total Transmission	0	
12 =	Total "Affiliated" Wages and Salaries	0	
Less "Affiliated" Administrative and General Salaries			
#920 - 935			
13	920	0	
14	921	0	
15	923	0	
16	925	0	
17	926	0	
18	928	0	
19	930	0	
20	935	0	
21 = 13 thru 20		0	
22 = 12 less 21	Total "Affiliated" less A&G	0	

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	UPC		TOTAL	
		Revenues (a)	Expenses (b)	Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line				
	115 kV Somerville 402 Substation				
	115/345 kV North Cambridge 509 Substation				
	345 kV Golden Hills -Mystic 389 (x&y) line				
	West Medway 345 kV breaker				
	115 kV Millbury-Medway 201 line				
	HQ Phase II - AC in MA	0	5,886	0	5,886
	345 kV "stabilizer" 342 line				
	345 kV Walpole - Medway 325 line				
	345 kV Carver - Walpole 331 line				
345 kV Jordan Rd - Canal 342 line					
CEC	Second Canal line				
	345 kV Pilgrim-Bridgewater - 355 line				
	345 kV Myles Standish - Canal 342 line				
CMP	345 kV Buxton-South Gorham 386 line				
	115 kV Wyman 164-167 lines				
	115 kV Maine Yankee transmission				
EUA	345 kV Carver - Walpole 331 line				
	345 kV Medway - Bridgewater 344 Line				
	Northern Rhode Island transmission				
NEP	Chester SVC	0	45,510	0	45,510
	Comerford 115 kV Substation				
	345 kV Sandy-Tewksbury 337 line				
	345 kV Tewksbury-Woburn 338 line				
	115 kV Tewksbury - Woburn M139 line				
	115 kV Tewksbury - Woburn N140 line				
	Moore 115 kV Substation				
	HQ Phase II - AC in MA	0	75,276	0	75,276
	345 kV Golden Hills-Mystic 349 line				
	345 kV NH/MA border-Tewksbury 394 line				
115 kV Read - Washington V148 line					
NU	345 kV 363, 369 and 394 Seabrook lines				
	Fairmont 115 kV Substation				
	345 kV Millstone-Manchester 310 line				
	UI Substations				
	Black Pond				
	Total =	0	126,672	0	126,672

Amount by which Support Expense exceeds Support Revenues

126,672

(To Worksheet 3, Line 21, Column 5)

See Workpaper 1.

**Summary of Unitil Power Corp. System
Monthly Coincident Peaks for 2013
(Megawatts)**

Shading denotes an input

	JAN '13	FEB '13	MAR '13	APR '13	MAY '13	JUN '13	JUL '13	AUG '13	SEP '13	OCT '13	NOV '13	DEC '13
Day	0	0	0	0	0	0	0	0	0	0	0	0
Hour	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
UPC	-	-	-	-	-	-	-	-	-	-	-	-

Annual UPC System Average 12 CP Load 0

NOTE: Numbers represent FERC Form 1 Pages 401/401A coincident peaks.

Workpaper 1
Unitil Power Corp
Transmission Support Payment Accounts

2013

13-20-13-00-565-11-01	HQ - BECO AC (d/b/a NSTAR)	5,885.86	
13-20-13-00-565-46-00	HQ II TRANS EXP - BECO	\$ -	
	Total	\$ 5,885.86	Worksheet 7, BECo HQ Phase II - AC in MA
13-20-13-00-565-11-02	HQ - NEP AC	75,276.36	Worksheet 7, NEP HQ Phase II - AC in MA
13-20-13-00-565-11-03	HQ - Chester SVC	45,509.99	Worksheet 7, NEP Chester SVC

ISO-NE Tariff Billing
PTO Annual Transmission Revenue Requirements
per OATT Attachment F

Submitted on:	May 13, 2014
Revenue Requirements for (test year):	Calendar Year 2013
Rates Effective for the period:	June 1, 2014
through:	May 31, 2015
Customer:	VT TRANSCO LLC
Customer's NABs Number:	52
Name of Participant responsible for customer's billing:	VT TRANSCO LLC
DUNs number of Participant responsible for customer's billing:	78-0399163

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	= \$ 10,982,595 (a)	\$ 123,550,793 (f)
Total of Attachment F - Section J - Support Revenue	-	-
Total of Attachment F - Section K - Support Expense	976,806 (c)	-
Total of Attachment F - Section (L through O)	48,193 (d)	539,745 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	12,007,594 (e)=(a)-(b)+(c)+(d)	124,090,538 (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	N/A	5,210,237 (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	466,976 (l)	8,707,276 (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	\$ 12,474,570 (n)=(e)+(l)	\$ 138,008,051 (o)=(j)+(k)+(m)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)		<u>\$ 150,482,621 (p) = (n)+(o)</u>

**VT TRANSCO AND Bennington Searsburg Line
Annual Revenue Requirements of PTF Facilities
2013**

Line No.	Attachment F Reference	PRE 97	POST 1996	TOTAL	Ref
I. INVESTMENT BASE					
	<i>Section:</i>				
1	Transmission Plant (A)(1)(a)	\$ 59,046,014	\$ 654,830,834	\$ 713,876,848	Worksheet 1
2	General Plant (A)(1)(b)	10,355,201	115,845,488	126,200,689	Worksheet 1
3	Plant Held For Future Use (A)(1)(c)	-	-	-	Worksheet 1
4	Total Plant (Lines 1+2+3)	69,401,215	770,676,322	840,077,537	
5	Accumulated Depreciation (A)(1)(d)	11,819,513	130,187,796	142,007,309	Worksheet 1
6	Accumulated Deferred Income Taxes (A)(1)(e)	5,458,484	60,078,636	65,537,120	Worksheet 1
7	Loss On Reacquired Debt (A)(1)(f)	-	-	-	Worksheet 1
8	Other Regulatory Assets (A)(1)(g)	1,898	2,365	4,263	Worksheet 1
9	Net Investment (Line 4-5-6+7+8)	52,125,116	580,412,255	632,537,371	
10	Prepayments (A)(1)(h)	171,813	1,913,327	2,085,140	Worksheet 1
11	Materials & Supplies (A)(1)(i)	622,980	6,946,269	7,569,249	Worksheet 1
12	Cash Working Capital (A)(1)(j)	274,165	1,667,699	1,941,864	Worksheet 1
13	Total Investment Base (Line 9+10+11+12)	\$ 53,194,074	\$ 590,939,550	\$ 644,133,624	Worksheet 1
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes (A)	\$ 6,674,750	\$ 75,870,261	\$ 82,545,011	Worksheet 1
15	Depreciation Expense (B)	1,984,704	22,099,702	24,084,406	Worksheet 1
16	Amortization of Loss on Reacquired Debt (C)	-	-	-	Worksheet 1
17	Investment Tax Credit (D)	(175)	(218)	(393)	Worksheet 1
18	Property Tax Expense (E)	1,030,645	11,386,498	12,417,143	Worksheet 1
19	Payroll Tax Expense (F)	76,159	852,955	929,114	
20	Operation & Maintenance Expense (G)	648,776	7,064,770	7,713,546	Worksheet 1
21	Administrative & General Expense (H)	567,736	6,276,825	6,844,561	Worksheet 1
22	Transmission Related Integrated Facilities Charge (I)	-	-	-	Worksheet 1
23	Transmission Support Revenue (J)	-	-	-	Worksheet 1
24	Transmission Support Expense (K)	976,806	-	976,806	Worksheet 1
25	Transmission Related Expense from Generators (L)	-	-	-	
26	Transmission Related Taxes and Fees Charge (M)	51,966	581,996	633,962	
27	Revenue for ST Trans. Service Under NEPOOL Tariff (N)	(2,476)	(27,729)	(30,205)	Worksheet 1
28	Transmission Rents Received from Electric Property (O)	(1,297)	(14,522)	(15,818)	
29	Total RNS Revenue Requirements before Forecast, Annual True-up and Assoc. Interest (Line 14 thru 28)	\$ 12,007,594	\$ 124,090,538	\$ 136,098,132	

**VT TRANSCO and Bennington Searsburg Line
Annual Revenue Requirements of PTF Facilities
2012**

Line No.	I. INVESTMENT BASE	Attachment F Reference	PRE97	POST 1996	TOTAL	Reference
		<i>Section:</i>				
1	Transmission Plant	(A)(1)(a)	\$ 61,008,920	\$ 598,381,290	\$ 659,390,211	Worksheet 3, line 1&2 column 5
2	General Plant	(A)(1)(b)	9,207,640	90,991,161	100,198,801	Worksheet 3, line 3 column 5
3	Plant Held For Future Use	(A)(1)(c)	-	-	-	Worksheet 3, line 5 column 5
4	Total Plant (Lines 1+2+3)		70,216,560	689,372,451	759,589,012	
5	Accumulated Depreciation	(A)(1)(d)	11,091,996	107,521,110	118,613,106	Worksheet 3, line 8 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	4,915,859	47,799,990	52,715,849	Worksheet 3, line 11 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	-	-	-	Worksheet 3, line 12 column 5
8	Other Regulatory Assets	(A)(1)(g)	1,707	2,128	3,835	Worksheet 3, line 16 column 5
9	Net Investment (Line 4-5-6+7+8)		54,210,412	534,053,479	588,263,892	
10	Prepayments	(A)(1)(h)	149,760	1,445,447	1,595,207	Worksheet 3, line 17 column 5
11	Materials & Supplies	(A)(1)(i)	616,631	6,104,433	6,721,064	Worksheet 3, line 18 column 5
12	Cash Working Capital	(A)(1)(j)	277,903	1,526,354	1,804,257	Worksheet 3, line 25 column 5
13	Total Investment Base (Line 9+10+11+12)		\$ 55,254,706	\$ 543,129,713	\$ 598,384,420	
	II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	(A)	\$ 6,741,682	\$ 68,088,811	\$ 74,830,493	Worksheet 2
15	Depreciation Expense	(B)	1,791,318	17,612,219	19,403,537	Worksheet 4, line 3, column 5
16	Amortization of Loss on Reacquired Debt	(C)	-	-	-	Worksheet 4, line 4, column 5
17	Investment Tax Credit	(D)	(215)	(268)	(483)	Worksheet 4, line 5, column 5
18	Property Tax Expense	(E)	679,836	6,606,118	7,285,954	Worksheet 4, line 6, column 5
19	Payroll Tax Expense	(F)	80,132	793,324	873,456	Worksheet 4, line 22, column 5
20	Operation & Maintenance Expense	(G)	674,458	6,420,091	7,094,549	Worksheet 4, line 11, column 5
21	Administrative & General Expense	(H)	595,902	5,790,738	6,386,640	Worksheet 4, line 21, column 5
22	Transmission Related Integrated Facilities Charge	(I)	-	-	-	Attachment 4, line 6
23	Transmission Support Revenue	(J)	-	-	-	Worksheet 6
24	Transmission Support Expense	(K)	952,867	-	952,867	Worksheet 6
25	Transmission Related Expense from Generators	(L)	-	-	-	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	46,957	464,880	511,837	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(5,853)	(57,949)	(63,802)	Attachment 7
28	Transmission Rents Received from Electric Property	(O)	(1,407)	(13,926)	(15,333)	Attachment 6
29	Total RNS Revenue Requirements before Forecast, Annual True-up and Assoc. Interest (Line 14 thru 28)		\$ 11,555,676	\$ 105,704,038	\$ 117,259,714	
30	Forecasted PTF Revenue Requirements - 2013		-	9,960,023	9,960,023	
31	Total RNS Rev Req'ts subject to Annual True-up		\$ 11,555,676	\$ 115,664,061	\$ 127,219,737	
32	PY true-up		(443,837)	(3,390,525)	(3,834,362)	
33	Total RNS-6/1/13-5/31/14		\$ 11,111,839	\$ 112,273,535	\$ 123,385,375	

**VT TRANSCO and Bennington Searsburg Line
Transmission Revenue Requirements of PTF Facilities
2011 True-up**

I.	APPENDIX C - ANNUAL TRUE-UP	Rate Year	PRE97	POST 1996	Total	Reference
1	ATRR for True-up = 2013 Actual	6/1/14-5/31/15	\$ 12,007,594	\$ 124,090,538	\$ 136,098,132	Summary 6-1-14_5-31-15, line 29
2	ATRR subject to True-up = '12 TY + '13 Forecast -	6/1/13-5/31/14	11,555,676	115,664,061	127,219,737	Summary 6-1-13_5-31-14, line 31
3	Annual True-up (Line 1 - Line 2)		<u>\$ 451,917</u>	<u>\$ 8,426,478</u>	<u>\$ 8,878,395</u>	

**VT TRANSCO and Bennington Searsburg Line
FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities**

	Undercollection / (Overcollection)
PRE97	451,917
Post1996	8,426,478

Initial Billing Period	PRE97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE97 Interest	POST 1996 Interest	
June 2013	451,917	8,426,478	0.27%	\$ 1,220.18	\$ 22,751.49	
July 2013	453,138	8,449,229	0.28%	1,268.79	23,657.84	
August 2013	453,138	8,449,229	0.28%	1,268.79	23,657.84	
September 2013	453,138	8,449,229	0.27%	1,223.47	22,812.92	
October 2013	456,899	8,519,358	0.28%	1,279.32	23,854.20	
November 2013	456,899	8,519,358	0.27%	1,233.63	23,002.27	
December 2013	456,899	8,519,358	0.28%	1,279.32	23,854.20	
January 2014	460,691	8,590,068	0.28%	1,289.93	24,052.19	
February 2014	460,691	8,590,068	0.25%	1,151.73	21,475.17	
March 2014	460,691	8,590,068	0.28%	1,289.93	24,052.19	
April 2014	464,423	8,659,648	0.27%	1,253.94	23,381.05	
May 2014	464,423	8,659,648	0.28%	1,300.38	24,247.01	
		Total Interest True-Up		\$ 15,059 451,917	\$ 280,798 8,426,478	\$ 295,857 8,878,395
		Total TU & Int		\$ 466,976	\$ 8,707,276	\$ 9,174,252

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Total

Submitted on:	<u>May 13, 2014</u>
Revenue Requirements for (year):	<u>Calendar Year 2013 \$ 150,256,079</u>
Customer:	<u>VT TRANSCO LLC</u>
Customer's NABs Number:	<u>52</u>
Name of Participant responsible for customer's billing:	<u>VT TRANSCO LLC</u>
DUNs number of Participant responsible for customer's billing:	<u>78-0399163</u>

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>10,881,739</u> (a)	<u>123,425,107</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u></u> (g)
Total of Attachment F - Section K - Support Expense	<u>976,806</u> (c)	<u></u> (h)
Total of Attachment F - Section (L through O)	<u>48,193</u> (d)	<u>539,745</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>11,906,738</u> (e)=(a)-(b)+(c)+(d)	<u>123,964,852</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>5,210,237</u>
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>466,976</u>	<u>8,707,276</u>
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>12,373,714</u>	<u>137,882,365</u>
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)		<u><u>150,256,079</u></u>

VT TRANSCO
Annual Revenue Requirements of PTF Facilities
for costs in 2013

Shading denotes an input

		Attachment F		
Line N	I. INVESTMENT BASE	Reference	Total	Reference
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	712,417,799	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	126,171,570	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>838,589,369</u>	
5	Accumulated Depreciation	(A)(1)(d)	141,513,900	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	65,299,179	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>631,776,290</u>	
10	Prepayments	(A)(1)(h)	2,082,676	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	7,562,280	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	<u>1,933,884</u>	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u><u>643,355,130</u></u>	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	80,721,255	Worksheet 2
	Investment Return and Income Taxes Post-2003 Incremental		1,724,885	Worksheet adder
15	Depreciation Expense	(B)	24,055,462	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	12,381,860	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	929,115	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	7,668,123	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	6,826,145	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	976,806	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	633,962	Gross Revenue Tax
27	Revenue for ST Trans. Service Under NEPOOL Tar	(N)	(30,205)	Schedule 8 TOUT Revenues
28	Transmission Rents Received from Electric Property	(O)	(15,818)	Rev Rent 4000-454806
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>135,871,589</u></u>	

VT TRANSCO
Annual Revenue Requirements
for costs in 2013

Shading denotes an input

	<u>CAPITALIZATION</u> <u>12/31/13</u>		<u>CAPITALIZATION</u> <u>RATIOS</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>COST OF EQUITY</u> <u>CAPITAL PORTION</u>
LONG-TERM DEBT	\$ 405,662,000	Page 112.24c	47.04%	4.96%	2.33%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	456,783,005	Page 112.16c	52.97%	11.64%	6.17%
TOTAL INVESTMENT	<u>\$ 862,445,005</u>		<u>100.01%</u>	<u>8.50%</u>	<u>6.17%</u>

Cost of Capital Rate=

(a) Weighted Cost of = 0.0850

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.}}{1} + \frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}$$

=
$$\frac{0.0617 + \left(\frac{0 + 0}{643,355,130} \right) \times 0.34}{\left(\frac{0.0617}{1} + \frac{0 + 0}{643,355,130} \right) \times 0.34}$$

= 0.0317848

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{\left(\frac{\text{R.O.E.}}{1} + \frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{State Income Tax Rate}} \times \text{State Income Tax}$$

=
$$\frac{0.0617 + \left(\frac{0 + 0}{643,355,130} \right) + 0.0317848}{\left(\frac{0.0617}{1} + \frac{0 + 0}{643,355,130} \right) + 0.085} \times 0.085$$

= 0.0086844

(a)+(b)+(c) **Cost of C** = 0.1254692

	<u>(PTF)</u>				
INVESTMENT BASE	\$ 643,355,130	From Worksheet 1			
x Cost of Capital Rate	0.1254692				
= Investment Return and I	<u>80,721,255</u>	To Worksheet 1			

VT TRANSCO

Sheet: Worksheet 3

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>							
1	890,287,644		890,287,644		712,417,799	Line 1, Workshe	
2	157,672,876	100.0000% (a)	157,672,876	80.0211%	126,171,570	Page 207.99g	
3			<u>1,047,960,520</u>		<u>838,589,369</u>		
4	0		0	80.0211%	0	Page 214.47d	
<u>Transmission Accumulated Depreciation</u>							
5	145,236,767		145,236,767	80.0211%	116,220,059	Page 219.25b	
6	31,608,965	100.0000% (a)	31,608,965	80.0211%	25,293,841	Page 219.28b	
7			<u>176,845,732</u>		<u>141,513,900</u>		
<u>Transmission Accumulated Deferred Taxes</u>							
8	(81,603,104)	99.9992% (c)	(81,602,451)	80.0211%	(65,299,179)	Page 113.63c	
9	0	99.9992% (c)	0	80.0211%	0	Page 111.82c	
10			<u>(81,602,451)</u>		<u>(65,299,179)</u>		
11	0	99.9992% (c)	0	80.0211%	0	Page 111.81c	
<u>Other Regulatory Assets</u>							
12	0	100.0000% (a)	0	80.0211%	0	Page 232.30e	
13	0	99.9992% (c)	0	80.0211%	0	Page 232.21&22c	
14	0	99.9992% (c)	0	80.0211%	0	Page 278.1e	
15	<u>0</u>		<u>0</u>		<u>0</u>		
16	2,602,659	100.0000% (a)	2,602,659	80.0211%	2,082,676	Page 111.57c	
17	9,450,358		9,450,358	80.0211%	7,562,280	Page 227.8c	
18	<u>Cash Working Capital</u>						
19	Operation & Maintenance Expense					7,668,123	Worksheet 1, Lir
20	Administrative & General Expense					6,826,145	Worksheet 1, Lir
21	Transmission Support Expense					976,806	Worksheet 1, Lir
22	Subtotal (line 19+20+21)					15,471,074	
23						0.125	x 45 / 360
24	Total (line 22 * line 23)					<u>1,933,884</u>	

- (a) Worksheet 5 of 8, line 11
- (b) Worksheet 5 of 8, line 3
- (c) Worksheet 5 of 8, line 16

VT TRANSCO

PTF Revenue Requirements
Worksheet 4a of 8

Sheet: Worksheet 4

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	19,151,741		19,151,741	80.0211%	15,325,434	Page 336.7b
2	10,909,657	100.0000% (a)	10,909,657	80.0211%	8,730,028	Page 336.10b
3			30,061,398		24,055,462	
4	0	99.9992% (c)	0	80.0211%	0	Page 117.64c
5		99.9992% (c)	0	80.0211%	0	Page 266.8f
Property Taxes *						
6	15,473,245	99.9992% (c)	15,473,245	80.0211%	12,381,860	Page 262-263 FN.1-2
7			0	80.0211%	0	Page 262-263 FN.1-2
8			15,473,245		12,381,860	
Transmission Operation and Maintenance						
9	13,128,638		13,128,638	80.0211%	10,505,681	Page 321.112b
10	142,423		142,423	80.0211%	113,969	Page 321.96b
11	3,365,548		3,365,548	80.0211%	2,693,149	Page 321.84 - 88b
12	38,040		38,040	80.0211%	30,440	Page 321.93b & .98b
13	9,582,627		9,582,627		7,668,123	
Transmission Administrative and General						
14	8,530,442					Page 323.197b
15	869,469					Page 323.185b
16	291,525					Page 323.189b
17	250,927					Page 323.191b
18	7,118,521	100.0000% (a)	7,118,521	80.0211%	5,696,319	
19	869,469	99.9992% (c)	869,462	80.0211%	695,753	
20	291,525	99.9992% (c)	291,523	80.0211%	233,280	
21	250,927	99.9992% (c)	250,925	80.0211%	200,793	
22	8,530,442		8,530,431		6,826,145	
23	1,161,087	100.0000% (a)	1,161,087	80.0211%	929,115	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	10,290	
FICA	1,059,471	
Medicare	0	
CT Unemployment	0	
MA Unemployment	0	
MA Universal Health	0	
VT Unemployment	91,325	
NH Unemployment	0	
Total	1,161,087	To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
<u>VT TRANSCO</u>			
1	PTF Transmission Investment	712,417,799	NEPOOL Catalog
2	Total Transmission Investment	890,287,644	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	80.0211%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	6,184,185	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	6,184,185	
7	Total Wages and Salaries	10,208,036	Page 354.28b
8	Administrative and General Wages and Salaries	4,023,851	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	6,184,185	
11	Percent Allocation (Line 6/Line 10)	100.0000%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	890,287,644	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	157,672,876	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	1,047,960,520	
15	Total Plant in Service	1,047,968,457	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	99.9992%	

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		42,298
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			7,718
	115 kV Wyman 164-167 lines			3,014
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			229,397
	Comerford 115 kV Substation			38,040
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		539,539
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 39	332(g)		
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 lin	330.1(n)		116,800
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	976,806

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Pre-97

Submitted on:	<u>May 13, 2014</u>
Revenue Requirements for (year):	<u>Calendar Year 2013 \$ 11,906,738</u>
Customer:	<u>VT TRANSCO LLC</u>
Customer's NABs Number:	<u>52</u>
Name of Participant responsible for customer's billing:	<u>VT TRANSCO LLC</u>
DUNs number of Participant responsible for customer's billing:	<u>78-0399163</u>

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>10,881,739</u> (a)	<u>0</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u> </u> (g)
Total of Attachment F - Section K - Support Expense	<u>976,806</u> (c)	<u> </u> (h)
Total of Attachment F - Section (L through O)	<u>48,193</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>11,906,738</u> (e)=(a)-(b)+(c)+(d)	<u>-</u> (j)

Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 11,906,738 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u> (h)

Total Post-96 Revenue Requirements 11,906,738 (l)=(k)+(b)+(g)-(h)

VT TRANSCO
Annual Revenue Requirements of PTF Facilities
for costs in 2013

PTF Revenue Requirements
Worksheet 1 of 8

Shading denotes an input

		Attachment F		
Line N	I. INVESTMENT BASE	Reference	Total	Reference
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	58,396,452	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	10,342,237	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>68,738,689</u>	
5	Accumulated Depreciation	(A)(1)(d)	11,599,842	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	5,352,550	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>51,786,297</u>	
10	Prepayments	(A)(1)(h)	170,716	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	619,877	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	<u>270,612</u>	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u><u>52,847,502</u></u>	
 II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	6,630,735	Worksheet 2
15	Depreciation Expense	(B)	1,971,817	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	1,014,937	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	76,159	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	628,554	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	559,537	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	976,806	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	51,966	Gross Revenue Tax
27	Revenue for ST Trans. Service Under NEPOOL Tar	(N)	(2,476)	Schedule 8 TOUT Revenues
28	Transmission Rents Received from Electric Property	(O)	(1,297)	Rev Rent 4000-454122
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>11,906,738</u></u>	

VT TRANSCO
Annual Revenue Requirements
for costs in 2013

Shading denotes an input

	CAPITALIZATION 12/31/13		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF EQUITY CAPITAL PORTION
LONG-TERM DEBT	\$ 405,662,000	Page 112.24c	47.04%	4.96%	2.33%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	456,783,005	Page 112.16c	52.97%	11.64%	6.17%
TOTAL INVESTMENT	\$ 862,445,005		100.01%	8.50%	6.17%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0850

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)}$$

=
$$\frac{0.0617 + \left(\frac{0 + 0}{52,847,502} \right) \times 0.34}{\left(\frac{0.0617}{1} + \left(\frac{0 + 0}{52,847,502} \right) \times 0.34 \right)}$$

= 0.0317848

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax} \right)} \times \text{State Income Tax Rate}$$

=
$$\frac{0.0617 + \left(\frac{0 + 0}{52,847,502} \right) + 0.0317848}{\left(\frac{0.0617}{1} + \left(\frac{0 + 0}{52,847,502} \right) + 0.085 \right)} \times 0.085$$

= 0.0086844

(a)+(b)+(c) **Cost of C** = 0.1254692

	(PTF)	
INVESTMENT BASE	\$ 52,847,502	From Worksheet 1
x Cost of Capital Rate	0.1254692	
= Investment Return and I	<u>6,630,735</u>	To Worksheet 1

VT TRANSCO

Sheet: Worksheet 3

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col
<u>Transmission Plant</u>						
1	890,287,644		890,287,644		58,396,452	Line 1, Worksheet 207.99g
2	157,672,876	100.0000% (a)	157,672,876	6.5593%	10,342,237	Page 207.99g
3			<u>1,047,960,520</u>		<u>68,738,689</u>	
4	0		0	6.5593%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	145,236,767		145,236,767	6.5593%	9,526,515	Page 219.25b
6	31,608,965	100.0000% (a)	31,608,965	6.5593%	2,073,327	Page 219.28b
7			<u>176,845,732</u>		<u>11,599,842</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	(81,603,104)	99.9992% (c)	(81,602,451)	6.5593%	(5,352,550)	Page 113.63d
9	0	99.9992% (c)	0	6.5593%	0	Page 111.82d
10			<u>(81,602,451)</u>		<u>(5,352,550)</u>	
11	0	99.9992% (c)	0	6.5593%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a)	0	6.5593%	0	Page 232.30e
13	0	99.9992% (c)	0	6.5593%	0	Page 232.21&22
14	0	99.9992% (c)	0	6.5593%	0	Page 278.1e
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	2,602,659	100.0000% (a)	2,602,659	6.5593%	170,716	Page 111.57c
17	9,450,358		9,450,358	6.5593%	619,877	Page 227.8c
<u>Cash Working Capital</u>						
19					628,554	Worksheet 1, Line 19
20					559,537	Worksheet 1, Line 20
21					976,806	Worksheet 1, Line 21
22					<u>2,164,897</u>	
23					0.125	x 45 / 360
24					<u>270,612</u>	

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

VT TRANSCO

Sheet: Worksheet 4

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	19,151,741		19,151,741	6.5593%	1,256,220	Page 336.7b
2	10,909,657	100.0000% (a)	10,909,657	6.5593%	715,597	Page 336.10b
3			30,061,398		1,971,817	
4	0	99.9992% (c)	0	6.5593%	0	Page 117.64c
5		99.9992% (c)	0	6.5593%	0	Page 266.8f
Property Taxes *						
6	15,473,245	99.9992% (c)	15,473,245	6.5593%	1,014,937	Page 262-263 FN.1-2
7			0	6.5593%	0	Page 262-263 FN.1-2
8			15,473,245		1,014,937	
Transmission Operation and Maintenance						
9	13,128,638		13,128,638	6.5593%	861,147	Page 321.112b
10	142,423		142,423	6.5593%	9,342	Page 321.96b
11	3,365,548		3,365,548	6.5593%	220,756	Page 321.84 - 88b
12	38,040		38,040	6.5593%	2,495	Page 321.93b & .98b
13	9,582,627		9,582,627		628,554	
Transmission Administrative and General						
14	8,530,442					Page 323.197b
15	869,469					Page 323.185b
16	291,525					Page 323.189b
17	250,927					Page 323.191b
18	7,118,521	100.0000% (a)	7,118,521	6.5593%	466,925	
19	869,469	99.9992% (c)	869,462	6.5593%	57,031	
20	291,525	99.9992% (c)	291,523	6.5593%	19,122	
21	250,927	99.9992% (c)	250,925	6.5593%	16,459	
22	8,530,442		8,530,431		559,537	
23	1,161,087	100.0000% (a)	1,161,087	6.5593%	76,159	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	10,290	
FICA	1,059,471	
Medicare	0	
CT Unemployment	0	
MA Unemployment	0	
MA Universal Health	0	
VT Unemployment	91,325	
NH Unemployment	0	
Total	1,161,087	To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
<u>PTF Transmission Plant Allocation Factor</u> VT TRANSCO			
1	PTF Transmission Investment	58,396,452	NEPOOL Catalog Page 207.58g
2	Total Transmission Investment	890,287,644	
3	Percent Allocation (Line 1/Line 2)	<u>6.5593%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	6,184,185	Page 354.21b Worksheet 6 & 6a of 8
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	6,184,185	
7	Total Wages and Salaries	10,208,036	Page 354.28b
8	Administrative and General Wages and Salaries	4,023,851	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - Line 9)	6,184,185	
11	Percent Allocation (Line 6/Line 10)	<u>100.0000%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	890,287,644	Page 207.58g
13	plus Transmission-Related General Plant (Line 2)	157,672,876	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	1,047,960,520	
15	Total Plant in Service	1,047,968,457	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>99.9992%</u>	

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 & 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		42,298
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
345 kV Jordan Rd - Canal 342 line				
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			7,718
	115 kV Wyman 164-167 lines			3,014
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			229,397
	Comerford 115 kV Substation			38,040
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		539,539
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 39	332(g)		
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		116,800
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	976,806

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

POST-96

Submitted on:	May 13, 2014
Revenue Requirements for (year):	Calendar Year 2013 \$ 123,964,852
Customer:	VT TRANSCO LLC
Customer's NABs Number:	52
Name of Participant responsible for customer's billing:	VT TRANSCO LLC
DUNs number of Participant responsible for customer's billing:	78-0399163

	=	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I		0 (a)	123,425,107 (f)
Total of Attachment F - Section J - Support Revenue		0 (b)	(g)
Total of Attachment F - Section K - Support Expense		0 (c)	(h)
Total of Attachment F - Section (L through O)		(d)	539,745 (i)
Sub Total - Sum (A through I) - J + K + (L through O)		0 (e)=(a)-(b)+(c)+(d)	123,964,852 (j)

Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 123,964,852 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		0 (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		0 (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		0 (h)

Total Post-96 Revenue Requirements 123,964,852 (l)=(k)+(b)+(g)-(h)

VT TRANSCO
Annual Revenue Requirements of PTF Facilities
for costs in 2013

Shading denotes an input

		Attachment F		
Line N	I. INVESTMENT BASE	Reference	Total	Reference
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	654,021,347	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	115,829,333	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>769,850,680</u>	
5	Accumulated Depreciation	(A)(1)(d)	129,914,058	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	59,946,629	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>579,989,993</u>	
10	Prepayments	(A)(1)(h)	1,911,960	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	6,942,403	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	<u>1,663,272</u>	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u><u>590,507,628</u></u>	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	74,090,521	Worksheet 2
	Investment Return and Income Taxes Post-2003 Incremental		1,724,885	Worksheet adder
15	Depreciation Expense	(B)	22,083,644	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	11,366,924	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	852,955	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	7,039,570	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	6,266,608	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	581,996	Gross Revenue Tax
27	Revenue for ST Trans. Service Under NEPOOL Tar	(N)	(27,729)	Schedule 8 TOUT Revenues
28	Transmission Rents Received from Electric Property	(O)	(14,522)	Rev Rent 4000-454122
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>123,964,852</u></u>	

VT TRANSCO
Annual Revenue Requirements
for costs in 2013

Shading denotes an input

	CAPITALIZATION 12/31/13		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF EQUITY CAPITAL PORTION
LONG-TERM DEBT	\$ 405,662,000	Page 112.24c	47.04%	4.96%	2.33%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	456,783,005	Page 112.16c	52.97%	11.64%	6.17%
TOTAL INVESTMENT	\$ 862,445,005		100.01%	8.50%	6.17%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0850

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)}$$

=
$$\frac{0.0617 + \left(\frac{0 + 0}{590,507,628} \right) \times 0.34}{\left(\frac{0.0617}{1} + \left(\frac{0 + 0}{590,507,628} \right) \times 0.34 \right)}$$

= 0.0317848

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax} \right)} \times \text{State Income Tax Rate}$$

=
$$\frac{0.0617 + \left(\frac{0 + 0}{590,507,628} \right) + 0.0317848}{\left(\frac{0.0617}{1} + \left(\frac{0 + 0}{590,507,628} \right) + 0.085 \right)}$$

= 0.0086844

(a)+(b)+(c) **Cost of C** = 0.1254692

	(PTF)	
INVESTMENT BASE	\$ 590,507,628	From Worksheet 1
x Cost of Capital Rate	0.1254692	
= Investment Return and I	<u>74,090,521</u>	To Worksheet 1

VT TRANSCO
Annual Revenue Requirements
for costs in 2013

Shading denotes an input

	CAPITALIZATION 12/31/13	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 405,662,000	47.04%		0.00%	
PREFERRED STOCK	0	0.00%		0.00%	0.00%
COMMON EQUITY	456,783,005	52.97%	1.00%	0.53%	0.53%
TOTAL INVESTMENT RET	\$ 862,445,005	100.01%		0.53%	0.53%

Cost of Capital Rate=

(a) Weighted Cost of Capit = 0.0053

$$\begin{aligned}
 \text{(b) Federal Income Tax} &= \frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(1 - \text{Federal Income Tax Rate} \right)} \\
 &= \frac{0.0053 + \left(\frac{0 + 0}{196,538,964} \right) \times 0.34}{\left(1 - 0.34 \right)} \\
 &= \underline{0.0027303}
 \end{aligned}$$

$$\begin{aligned}
 \text{(c) State Income Tax} &= \frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{\left(1 - \text{State Income Tax Rate} \right)} \times \text{State Income Tax Rate} \\
 &= \frac{0.0053 + \left(\frac{0 + 0}{196,538,964} \right) + 0.0027303}{\left(1 - 0.085 \right)} \times 0.085 \\
 &= \underline{0.0007460}
 \end{aligned}$$

(a)+(b)+(c) **Cost of Capita** = 0.0087763

(PTF)

Post-2003 INVESTMENT BASE	
PTF Transmission Plant	263,737,733
less Accum Depreciation Reserv	43,024,764
less Accum Deferred Taxes	(24,174,005)
Post-2003 INVESTMENT BASE	196,538,964

INVESTMENT BASE \$ 196,538,964 From Worksheet Post-2003

x Cost of Capital Rate 0.0087763

= Investment Return and Income 1,724,885 To Worksheet 1

VT TRANSCO
Annual Revenue Requirements of post-2003 PTF Incremental Return
for costs in 2013

RNS Rate

Worksheet 1b of 8

Line No.	(1) Total Transmission	(2) Post-2003 ¹ PTF	Total Transmission Reference
I. INVESTMENT BASE			
1	890,287,644	263,737,733	Internal Plant Accounting
2	145,236,767	43,024,764	Worksheet 3, line 5 column 1 + line 5A column 1
3	(81,603,104)	(24,174,005)	Worksheet 3, line 10 column 3
4	0	-	Worksheet 3a, line 15 column 3
5	663,447,773	196,538,964	
II. INCREMENTAL RETURN			
6		1,724,885	Worksheet 2a
7		29.6239%	

Notes: 1. line 2 column 2 = line 2 column 1 * line 7 column 2
line 3 column 2 = line 3 column 1 * line 7 column 2
line 4 column 2 = line 4 column 1 * line 7 column 2
line 7 column 2 = line 1 column 2 / line 1 column 1

VT TRANSCO

Sheet: Worksheet 3

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	890,287,644		890,287,644		654,021,347	Line 1, Workshe
2	157,672,876	100.0000% (a	157,672,876	73.4618%	115,829,333	Page 207.99g
3			<u>1,047,960,520</u>		<u>769,850,680</u>	
4	0		0	73.4618%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	145,236,767		145,236,767	73.4618%	106,693,543	Page 219.25b
6	31,608,965	100.0000% (a	31,608,965	73.4618%	23,220,515	Page 219.28b
7			<u>176,845,732</u>		<u>129,914,058</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	(81,603,104)	99.9992% (c;	(81,602,451)	73.4618%	(59,946,629)	Page 113.63d
9	0	99.9992% (c;	0	73.4618%	0	Page 111.82d
10			<u>(81,602,451)</u>		<u>(59,946,629)</u>	
11	0	99.9992% (c;	0	73.4618%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a	0	73.4618%	0	Page 232.30e
13	0	99.9992% (c;	0	73.4618%	0	Page 232.21&22
14	0	99.9992% (c;	0	73.4618%	0	Page 278.1e
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	2,602,659	100.0000% (a	2,602,659	73.4618%	1,911,960	Page 111.57c
17	9,450,358		9,450,358	73.4618%	6,942,403	Page 227.8c
<u>Cash Working Capital</u>						
19					7,039,570	Worksheet 1, Li
20					6,266,608	Worksheet 1, Li
21					0	Worksheet 1, Li
22					<u>13,306,178</u>	
23					0.125	x 45 / 360
24					<u>1,663,272</u>	

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

VT TRANSCO

PTF Revenue Requirements
Worksheet 4a of 8

Sheet: Worksheet 4

line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	19,151,741		19,151,741	73.4618%	14,069,214	Page 336.7b
2	10,909,657	100.0000% (a)	10,909,657	73.4618%	8,014,430	Page 336.10b
3			30,061,398		22,083,644	
4	0	99.9992% (c)	0	73.4618%	0	Page 117.64c
5		99.9992% (c)	0	73.4618%	0	Page 266.8f
Property Taxes *						
6	15,473,245	99.9992% (c)	15,473,245	73.4618%	11,366,924	Page 262-263 FN.1-2
7			0	73.4618%	0	Page 262-263 FN.1-2
8			15,473,245		11,366,924	
Transmission Operation and Maintenance						
9	13,128,638		13,128,638	73.4618%	9,644,534	Page 321.112b
10	142,423		142,423	73.4618%	104,627	Page 321.96b
11	3,365,548		3,365,548	73.4618%	2,472,392	Page 321.84 - 88b
12	38,040		38,040	73.4618%	27,945	Page 321.93b & .98b
13	9,582,627		9,582,627		7,039,570	
Transmission Administrative and General						
14	8,530,442					Page 323.197b
15	869,469					Page 323.185b
16	291,525					Page 323.189b
17	250,927					Page 323.191b
18	7,118,521	100.0000% (a)	7,118,521	73.4618%	5,229,394	
19	869,469	99.9992% (c)	869,462	73.4618%	638,722	
20	291,525	99.9992% (c)	291,523	73.4618%	214,158	
21	250,927	99.9992% (c)	250,925	73.4618%	184,334	
22	8,530,442		8,530,431		6,266,608	
23	1,161,087	100.0000% (a)	1,161,087	73.4618%	852,955	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	10,290	
FICA	1,059,471	
Medicare	0	
CT Unemployment	0	
MA Unemployment	0	
MA Universal Health	0	
VT Unemployment	91,325	
NH Unemployment	0	
Total	1,161,087	To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
<u>PTF Transmission Plant Allocation Factor</u> VT TRANSCO			
1	PTF Transmission Investment	654,021,347	NEPOOL Catalog Page 207.58g
2	Total Transmission Investment	890,287,644	
3	Percent Allocation (Line 1/Line 2)	<u>73.4618%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	6,184,185	Page 354.21b Worksheet 6 & 6a of 8
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	6,184,185	
7	Total Wages and Salaries	10,208,036	Page 354.28b
8	Administrative and General Wages and Salaries	4,023,851	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - Line 9)	6,184,185	
11	Percent Allocation (Line 6/Line 10)	<u>100.0000%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	890,287,644	Page 207.58g
13	plus Transmission-Related General Plant (Line 2)	157,672,876	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	1,047,960,520	
15	Total Plant in Service	1,047,968,457	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>99.9992%</u>	

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 & 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
345 kV Jordan Rd - Canal 342 line				
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		
	345 kV Golden Hills-Mystic 349 line			
345 kV NH/MA border-Tewksbury 39	332(g)			
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

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VT TRANSCO
Forecasted Transmission Revenue Requirements of PTF Facilities

POST-1996

Shading denotes an input

Line No.	I. <u>FORECASTED TRANSMISSION REVENUE REQUIREMENTS</u>	<u>Period</u>	Attachment F Reference Section:	VELCO	Reference
1	Forecasted Transmission Plant Additions	2014	Appendix C	\$28,000,000	
2	Carrying Charge Factor		Appendix C	18.61%	
3	Total Forecasted Revenue Requirements (Lines 1*2)			<u>\$5,210,237</u>	
	II. <u>CARRYING CHARGE FACTOR</u>				
4	Investment Return and Income Taxes		(A)	\$74,090,521	Summary, line 14
5	Depreciation Expense		(B)	\$22,083,644	Summary, line 15
6	Amortization of Loss on Reacquired Debt		(C)	\$0	Summary, line 16
7	Investment Tax Credit		(D)	\$0	Summary, line 17
8	Property Tax Expense		(E)	\$11,366,924	Summary, line 18
9	Payroll Tax Expense		(F)	\$852,955	Summary, line 19
10	Operation & Maintenance Expense		(G)	\$7,039,570	Summary, line 20
11	Administrative & General Expense		(H)	\$6,266,608	Summary, line 21
12	Total Expenses (Lines 4 thru 11)			<u>\$121,700,222</u>	
13	PTF Transmission Plant		(A)(1)(a)	\$654,021,347	Summary, line 1
14	Carrying Charge Factor (Lines 12/13)			<u>18.61%</u>	

VERMONT TRANSCO LLC
Forecasted Transmission Revenue Requirements of PTF Facilities
Calendar Year 2014

	<u>Estimated Additional PTF In Service for 2014</u>
Line Structure Projects	28,000,000
Other (Close Out costs)	<u>0</u>
Total	<u><u>28,000,000</u></u>

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3
Bennington - Searsburg Line owned by GMP PTF Facility

Shading denotes an input

TOTAL

Submitted on: May 13, 2014 RTO ROE filing

Revenue Requirements for (year): Calendar Yr 2013 \$ 226,542

Customer: VT TRANSCO LLC

Customer's NABs Number: 52

Name of Participant responsible for customer's billing: VT TRANSCO LLC

DUNS number of Participant responsible for customer's billing: 78-0399163

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>100,856</u> (a)	<u>125,686</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u></u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u></u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u></u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>100,856</u> (e)=(a)-(b)+(c)+(d)	<u>125,686</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>0</u> (k) = (e) + (j)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>\$0</u> (l)	<u>\$0</u> (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>100,856</u> (n)=(e)+(l)	<u>125,686</u> (o)=(j)+(k)+(m)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)	<u>GMP Bennington-Searsburg Line</u>	<u>226,542</u> (p)=(n)+(o)

**Annual Revenue Requirements of PTF Facilities
for costs in 2013**

PRE-97

		Attachment F		
		<u>Reference</u>	<u>Total</u>	<u>Reference</u>
Line N	<u>I. INVESTMENT BASE</u>	<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	649,562	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	12,964	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	<u>0</u>	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		662,526	
5	Accumulated Depreciation	(A)(1)(d)	219,671	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	105,934	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	<u>1,898</u>	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		338,819	
10	Prepayments	(A)(1)(h)	1,097	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	3,103	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	<u>3,553</u>	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u>346,572</u>	
	<u>II. REVENUE REQUIREMENTS</u>			
14	Investment Return and Income Taxes	(A)	44,015	Worksheet 2
15	Depreciation Expense	(B)	12,887	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	(175)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	15,708	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	20,222	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	8,199	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	
23	Transmission Support Revenue	(J)	0	
24	Transmission Support Expense	(K)	0	
25	Transmission Related Expense from Generators	(L)	0	
26	Transmission Related Taxes and Fees Charge	(M)		
27	Revenue for ST Trans. Service Under NEPOOL Tari	(N)		
28	Transmission Rents Received from Electric Property	(O)		
29	Total Revenue Requirements (Line 14 thru 28)		<u>100,856</u>	

**Annual Revenue Requirements
for costs in 2013**

Shading denotes an input

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 589,315,046	48.67%	5.51%	2.68%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	621,410,483	51.34%	11.64%	5.98%	5.98%
TOTAL INVESTMENT	\$ 1,210,725,529	100.01%		8.66%	5.98%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0866

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(1 - \text{Federal Income Tax Rate} \right)}$$

=
$$\frac{0.0598 + \left(\frac{(175) + 0}{346,572} \right) \times 0.35}{\left(1 - 0.35 \right)}$$

= 0.0319281

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{\left(1 - \text{State Income Tax Rate} \right)} \times \text{State Income Tax Rate}$$

=
$$\frac{0.0598 + \left(\frac{(175) + 0}{346,572} \right) + 0.0319281}{\left(1 - 0.085 \right)} \times 0.085$$

= 0.0084743

(a)+(b)+(c) **Cost of C** = 0.1270024

	(PTF)	
INVESTMENT BASE	\$ 346,572	From Worksheet 1
x Cost of Capital Rate	0.1270024	
= Investment Return and I	<u>44,015</u>	To Worksheet 1

Sheet: Worksheet 3

Shading denotes an input

Line No.	(1) Total	fo (2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	182,938,247		182,938,247		649,562	Line 1, Workshe
2	97,263,484	3.7536% (a)	3,650,892	0.3551%	12,964	Page 207.99g
3			186,589,139		662,526	
4	0		0	0.3551%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	60,429,336		60,429,336	0.3551%	214,585	Page 219.25b
6	38,160,378	3.7536% (a)	1,432,392	0.3551%	5,086	Page 219.27b
7			61,861,728		219,671	
<u>Transmission Accumulated Deferred Taxes</u>						
8	289,262,933	13.0831% (c)	37,844,559	0.3551%	134,386	Page 113.63d
9	(61,243,340)	13.0831% (c)	(8,012,527)	0.3551%	(28,452)	Page 111.68d
10			29,832,032		105,934	
11	0	13.0831% (c)	0	0.3551%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	3.7536% (a)	0	0.3551%	0	Page 232.30e
13	4,978,929	13.0831% (c)	651,398	0.3551%	2,313	Page 232.21&2:
14	(893,648)	13.0831% (c)	(116,917)	0.3551%	(415)	Page 278.1e
15	4,085,281		534,481		1,898	
16	8,227,813	3.7536% (a)	308,840	0.3551%	1,097	Page 111.57c
17	873,759		873,759	0.3551%	3,103	Page 227.8c
<u>Cash Working Capital</u>						
19					20,222	Worksheet 1, Li
20					8,199	Worksheet 1, Li
21					0	Worksheet 1, Li
22					28,421	
23					0.125	x 45 / 360
24					3,553	

- (a) Worksheet 5 of 8, line 11
- (b) Worksheet 5 of 8, line 3
- (c) Worksheet 5 of 8, line 16

0

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
<u>Depreciation Expense</u>						
1	3,437,058		3,437,058	0.3551%	12,205	Page 336.7b
2	5,113,942	3.7536% (a)	191,957	0.3551%	682	Page 336.9b
3			3,629,015		12,887	
4	0	13.0831% (c)	0	0.3551%	0	Page 117.64c
5	376,686	13.0831% (c)	49,282	0.3551%	175	Page 266.8f
<u>Property Taxes *</u>						
6	26,273,579	13.0831% (c)	3,437,399	0.3551%	12,206	Page 262-263 FN.1-2
7	26,273,579	3.7536%	986,208	0.3551%	3,502	Page 262-263 FN.1-2
8			4,423,607		15,708	
<u>Transmission Operation and Maintenance</u>						
9	87,362,669		87,362,669	0.3551%	310,225	Page 321.112b
10	80,896,338		80,896,338	0.3551%	287,263	Page 321.96b
11	771,540		771,540	0.3551%	2,740	Page 321.84 - 88b
12	0		0	0.3551%	0	Page 321.93b & .98b
13	5,694,791		5,694,791		20,222	
<u>Transmission Administrative and General</u>						
14	51,916,391					Page 323.197b
15	2,741,377					Page 323.185b
16	1,184,249					Page 323.189b
17	164,026					Page 323.191b
18	47,826,739	3.7536% (a)	1,795,229	0.3551%	6,375	
19	2,741,377	13.0831% (c)	358,657	0.3551%	1,274	
20	1,184,249	13.0831% (c)	154,936	0.3551%	550	
21	0	13.0831% (c)	0	0.3551%	0	
22	51,752,365		2,308,822		8,199	
23		3.7536% (a)	0	0.3551%	0	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i, 263.1i

Federal Unemployment	28,875	
FICA	239,316	
Medicare	0	
CT Unemployment		
MA Unemployment		
MA Universal Health		
VT Unemployment	210,363	
NH Unemployment	0	
Total	478,554	To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	649,562	NEPOOL Catalog Page 207.58g
2	Total Transmission Investment	182,938,247	
3	Percent Allocation (Line 1/Line 2)	0.3551%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,010,831	Page 354.21b Worksheet 6 & 6a of 8
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	1,010,831	
7	Total Wages and Salaries	43,375,431	Page 354.28b
8	Administrative and General Wages and Salaries	16,445,862	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	26,929,569	
11	Percent Allocation (Line 6/Line 10)	3.7536%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	182,938,247	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 5)	3,650,892	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	186,589,139	
15	Total Plant in Service	1,426,184,388	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	13.0831%	

**Annual Revenue Requirements of PTF Facilities
for costs in 2013**

POST-96

Shading denotes an input

		Attachment F		
Line N	I. INVESTMENT BASE	Reference	Total	Reference
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	809,487	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	16,155	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	<u>0</u>	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>825,642</u>	
5	Accumulated Depreciation	(A)(1)(d)	273,738	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	132,007	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	<u>2,365</u>	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>422,262</u>	
10	Prepayments	(A)(1)(h)	1,367	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	3,866	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	<u>4,427</u>	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u><u>431,922</u></u>	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	54,855	Worksheet 2
15	Depreciation Expense	(B)	16,058	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	(218)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	19,574	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	25,200	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	10,217	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	
23	Transmission Support Revenue	(J)	0	
24	Transmission Support Expense	(K)	0	
25	Transmission Related Expense from Generators	(L)	0	
26	Transmission Related Taxes and Fees Charge	(M)		
27	Revenue for ST Trans. Service Under NEPOOL Tari	(N)		
28	Transmission Rents Received from Electric Property	(O)		
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>125,686</u></u>	

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 589,315,046	48.67%	5.51%	2.68%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	621,410,483	51.34%	11.64%	5.98%	5.98%
TOTAL INVESTMENT	\$ 1,210,725,529	100.01%		8.66%	5.98%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0866

(b) Federal Income Tax =
$$\frac{R.O.E. + \left(\frac{PTF\ Inv. (Tax\ Credit) + Eq. AFUDC\ of\ Deprec}{PTF\ Inv. Base} \right) \times Federal\ Income\ Tax\ Rate}{1 - Federal\ Income\ Tax\ Rate}$$

=
$$\frac{0.0598 + \left(\frac{(218) + 0}{431,922} \right) \times 0.35}{1 - 0.35}$$

= 0.0319282

(c) State Income Tax =
$$\frac{R.O.E. + \left(\frac{PTF\ Inv. (Tax\ Credit) + Eq. AFUDC\ of\ Deprec}{PTF\ Inv. Base} \right) + Federal\ Income\ Tax}{1 - State\ Income\ Tax\ Rate} \times State\ Income\ Tax\ Rate$$

=
$$\frac{0.0598 + \left(\frac{(218) + 0}{431,922} \right) + 0.0319282}{1 - 0.085} \times 0.085$$

= 0.0084743

(a)+(b)+(c) **Cost of C** = 0.1270025

	(PTF)	
INVESTMENT BASE	\$ 431,922	From Worksheet 1
x Cost of Capital Rate	0.1270025	
= Investment Return and I	<u>54,855</u>	To Worksheet 1

Sheet: Worksheet 3

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	182,938,247		182,938,247		809,487	Line 1, Workshe
2	97,263,484	3.7536% (a	3,650,892	0.4425%	16,155	Page 207.99g
3			186,589,139		825,642	
4	0		0	0.4425%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	60,429,336		60,429,336	0.4425%	267,400	Page 219.25b
6	38,160,378	3.7536% (a	1,432,392	0.4425%	6,338	Page 219.27b
7			61,861,728		273,738	
<u>Transmission Accumulated Deferred Taxes</u>						
8	289,262,933	13.0831% (c,	37,844,559	0.4425%	167,462	Page 113.63d
9	(61,243,340)	13.0831% (c,	(8,012,527)	0.4425%	(35,455)	Page 111.68d
10			29,832,032		132,007	
11	0	13.0831% (c,	0	0.4425%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	3.7536% (a	0	0.4425%	0	Page 232.30e
13	4,978,929	13.0831% (c,	651,398	0.4425%	2,882	Page 232.21&2:
14	(893,648)	13.0831% (c,	(116,917)	0.4425%	(517)	Page 278.1e
15	4,085,281		534,481		2,365	
16	8,227,813	3.7536% (a	308,840	0.4425%	1,367	Page 111.57c
17	873,759		873,759	0.4425%	3,866	Page 227.8c
<u>Cash Working Capital</u>						
19					25,200	Worksheet 1, Li
20					10,217	Worksheet 1, Li
21					0	Worksheet 1, Li
22					35,417	
23					0.125	x 45 / 360
24					4,427	

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

0

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
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2	5,113,942	3.7536% (a)	191,957	0.4425%	849	Page 336.10b
3			3,629,015		16,058	
4	0	13.0831% (c)	0	0.4425%	0	Page 117.64c
5	376,686	13.0831% (c)	49,282	0.4425%	218	Page 266.8f
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6	26,273,579	13.0831% (c)	3,437,399	0.4425%	15,210	Page 262-263 FN.1-2
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10	80,896,338		80,896,338	0.4425%	357,966	Page 321.96b
11	771,540		771,540	0.4425%	3,414	Page 321.84 - 88b
12	0		0	0.4425%	0	Page 321.93b & .98b
13	5,694,791		5,694,791		25,200	
Transmission Administrative and General						
14	51,916,391					Page 323.197b
15	2,741,377					Page 323.185b
16	1,184,249					Page 323.189b
17	164,026					Page 323.191b
18	47,826,739	3.7536% (a)	1,795,229	0.4425%	7,944	
19	2,741,377	13.0831% (c)	358,657	0.4425%	1,587	
20	1,184,249	13.0831% (c)	154,936	0.4425%	686	
21	0	13.0831% (c)	0	0.4425%	0	
22	51,752,365		2,308,822		10,217	
23		3.7536% (a)	0	0.4425%	0	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i, 263.1i

Federal Unemployment	28,875	
FICA	239,316	
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Total	478,554	To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

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<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,010,831	Page 354.21b Worksheet 6 & 6a of 8
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	1,010,831	
7	Total Wages and Salaries	43,375,431	Page 354.28b
8	Administrative and General Wages and Salaries	16,445,862	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	26,929,569	
11	Percent Allocation (Line 6/Line 10)	3.7536%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	182,938,247	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 5)	3,650,892	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	186,589,139	
15	Total Plant in Service	1,426,184,388	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	13.0831%	

**VERMONT TRANSCO LLC
ROLLFORWARD PTF INVESTMENT**

		Investment as of				Investment as of
		12/31/12	Additions	Retirements	Adjustments	12/31/13
SUBSTATIONS						
20S	Highgate Converter	165,180.65	30.87	0.00	0.00	165,211.52
24S	Jay Substation	5,509,980.08	213,579.20	0.00	0.00	5,723,559.28
28S	Charlotte Substation	908,571.14	0.00	0.00	0.00	908,571.14
30S	West Rutland	17,783,693.21	109,340.66	0.00	0.00	17,893,033.87
40S	Vermont Yankee Substation	13,350,076.83	38,108.12	0.00	0.00	13,388,184.95
44S	Vergennes Substation	4,485,976.77	0.00	0.00	0.00	4,485,976.77
45S	Ferrisburg	1,201,213.16	0.00	0.00	(29,051.62)	1,172,161.54
52S	Granite	85,715,619.38	110,886.51	7,000.00	0.00	85,819,505.89
53S	Shelburne Substation	763,160.55	20,119.15	956.07	(19,007.47)	763,316.16
54S	Coolidge 115/345 Kv	34,899,278.79	498,990.34	0.00	0.00	35,398,269.13
61S	St Albans	54,503.80	1.24	0.00	(2,170.21)	52,334.83
62S	Essex	22,546,562.76	52.17	(9,600.00)	(107,335.18)	22,448,879.75
63S	Barre	236,436.90	5,293.19	1,057.84	0.00	240,672.25
64S	East Ave Substation	4,264,699.25	0.00	0.00	0.00	4,264,699.25
65S	Middlesex Substation	823,634.18	0.00	0.00	0.00	823,634.18
66S	St Johnsbury	1,434,989.88	0.00	0.00	0.00	1,434,989.88
68S	Irasburg	883,463.71	0.00	0.00	0.00	883,463.71
69S	Queen City Substation	4,864,405.24	0.00	0.00	0.00	4,864,405.24
70S	Acutney	588,062.83	11,779,985.26	518,125.90	121,394.46	11,971,316.65
71S	North Rutland	1,202,195.42	124,428.10	6,160.00	7,636.10	1,328,099.62
72S	Middlebury	1,249,987.77	20,162.67	0.00	0.00	1,270,150.44
73S	Bennington	2,867,189.42	16,571,039.44	438,275.42	15,094.79	19,015,048.23
74S	New Haven	28,920,432.96	4,015,840.43	2,060,064.36	104,600.27	30,980,809.29
75S	Chelsea	200,600.83	(1,436.07)	0.00	0.00	199,164.76
76S	Blissville	10,686,118.96	169,758.44	0.00	39,615.24	10,895,492.64
77S	Hartford	3,063,098.88	0.00	0.00	0.00	3,063,098.88
79S	Newfane	11,323,503.99	60,940.30	0.00	0.00	11,384,444.28
80S	Georgia	1,549,193.94	0.00	1,405,134.16	29,590.51	173,650.29
81S	St Albans	1,125,855.02	6,050.90	0.00	0.00	1,131,905.92
82S	Sandbar	8,781,193.51	1,292.54	0.00	0.00	8,782,486.05
83S	Williston	5,414,412.08	22,596.85	4,000.00	0.00	5,433,008.93
85S	Vernon Substation	43,733,651.62	5,688,443.84	0.00	0.00	49,422,095.46
86S	Lyndonville Substation	6,601,630.18	34,089.04	0.00	0.00	6,635,719.22
87S	Line Kiln Substation	7,995,283.33	19,914.87	0.00	0.00	8,015,198.20
88S	Georgia Substation	11,748,880.00	580,899.19	0.00	0.00	12,329,779.19
89S	Cold River	1,258,034.03	78,100.65	5,120.95	0.00	1,331,013.73
91S	Berlin	1,274,634.32	39,912.14	0.00	0.00	1,314,546.46
93S	Highgate	7,947,461.90	22,713.22	0.00	0.00	7,970,175.12
95S	South Hero	430,823.23	(364.64)	0.00	0.00	430,458.59
98S	GMP Taft Corner	5,108,281.74	41,027.03	0.00	53,984.36	5,203,293.13
101S	Duxbury Switching Station	574,953.84	0.00	0.00	0.00	574,953.84
		363,536,926.08	40,271,795.65	4,436,294.71	214,351.25	399,586,778.27
LINES						
	Bennington - Searsburg	1,459,049.00				1,459,049.00
04L	Bennington-Mass. State Ln	999,099.07	652,120.79	1,675.08		1,649,544.78
06L	Bennington-N.Y. State Ln	557,801.27	484,656.95	1,288.62		1,041,189.60
07L	Rutland-West Rutland	375,434.36	0.00	0.00		375,434.36
14L	Acutney-NEES	90,789.76	1,428,690.47	27,463.46		1,492,016.77
17L	Acutney-PSNH	69,342.11	524,157.66	10,015.34		583,484.43
18L	Vernon-Keene Tie	205,029.62	562.03	0.00		205,591.65
19L	Sandbar-Georgia	924,402.84	3,257.32	0.00		927,660.16
20L	Lk Champlain Cable Cross	1,008,452.99	331,584.62	2,000.00		1,338,037.61
21L	Georgia-Highgate	2,605,936.09	7,962.34	1,068.38		2,612,830.05
22L	Lake Champlain-Essex	4,921,020.60	2,344,842.19	52,880.91		7,212,981.88
23L	Essex-Middlebury	4,267,646.44	2,630,136.58	17,038.09		6,880,744.93
24L	Essex-Barre	1,714,948.61	7,870.62	2,892.03		1,719,927.20
25L	Essex-Burlington	17,085,208.51	0.00	0.00		17,085,208.51
26L	Barre-Wilder	3,320,866.69	96,284.80	5,165.96		3,411,965.33
27L	Essex-Georgia	1,682,224.22	716,389.83	4,321.25		2,394,302.80
28L	Barre-Comerford	3,611,286.42	0.00	0.00		3,611,286.42
29L	St. Johnsbury-Littleton	831,735.75	0.00	0.00		831,735.75
30L	West Rutland-Middlebury	4,708,892.53	0.00	0.00		4,708,892.53
31L	Rutland-Acutney	3,587,516.34	1,267,967.05	55,813.54		4,799,669.85
33L	Queen City Tap	2,003,227.09	0.00	0.00		2,003,227.09
35L	WEST RUTL MIDDLEBURY 345K	49,601,477.45	0.00	532.45		49,600,945.00
37L	Vernon-Scobie Tie	453,646.08	604.52	0.00		454,250.60
38L	Vernon-Northfield Tie	415,274.14	601.51	0.00		415,875.65
39L	St. Johnsbury-Irasburg	3,455,557.38	3,919.65	3,831.53		3,455,645.50
40L	Vernon-Coolidge	10,699,381.25	3,711,852.96	162,405.86		14,248,828.35
41L	Coolidge-West Rutland	8,464,011.58	104,028.63	10,251.82		8,557,788.39
42L	Richford-New Highgate 120	2,999,792.08	3,862,397.83	22,165.43		6,840,024.48
44L	NEWPORT-RICHFORD(120KV)	2,746,230.75	81,935.22	0.00		2,828,165.97
47L	Irasb to Moshers Tap 115k	4,553,701.20	0.00	0.00		4,553,701.20
48L	New Haven to Queen City	60,635,140.91	18,415.96	0.00		60,713,556.87
49L	Duxbury - Stowe	1,642,693.61	0.00	0.00		1,642,693.61
51L	Newfane - Vernon	36,535,513.07	190,237.33	0.00		36,725,750.40
52L	Newfane - Coolidge	54,966,478.53	231,800.21	0.00		55,198,278.74
53L	Vernon - VY	158,030.64	81,364.09	0.00		239,394.73
54L	Vernon - Vernon	1,474,681.96	6,148.59	0.00		1,480,830.55
L34	West Rutland - Whitehall	961,763.85	35,934.79	8,159.99		989,538.65
		295,853,284.79	18,825,734.34	388,949.74	0.00	314,290,069.39
TOTAL PTF Facilities		659,390,210.87	59,097,529.99	4,825,244.45	214,351.25	713,876,847.66

HIGHGATE JOINT OWNERS	Revenue Requirements Year End 2013
City of Burlington Electric Department	461,924
Green Mountain Power Corporation	6,638,935
Vermont Public Power Supply Authority	533,710
Vermont Electric Cooperative	14,990
Johnson	<u>28,275</u>
	7,677,834

ISO-NE Tariff Billing
PTO Annual Transmission Revenue Requirements
per OATT Attachment F

Submitted on:	May 8, 2014
Revenue Requirements for (test year):	Calendar Year 2013
Rates Effective for the period:	June 1, 2014
through:	May 31, 2015
Customer:	Highgate Converter (GMP)
Customer's NABs Number:	
Name of Participant responsible for customer's billing:	
DUNs number of Participant responsible for customer's billing:	

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	= \$ 3,241,877 (a)	\$ 3,528,865 (f)
Total of Attachment F - Section J - Support Revenue	-	-
Total of Attachment F - Section K - Support Expense	-	-
Total of Attachment F - Section (L through O)	-	-
Sub Total - Sum (A through I) - J + K + (L through O)	3,241,877 (e)=(a)-(b)+(c)+(d)	3,528,865 (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	N/A	-
Annual True-up (per Attachment C to Attachment F Implementation Rule)	(381,850) (l)	250,043 (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	\$ 2,860,027 (n)=(e)+(l)	\$ 3,778,908 (o)=(j)+(k)+(m)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)		<u>\$ 6,638,935 (p) = (n)+(o)</u>

Highgate Converter
Annual Revenue Requirements of PTF Facilities
2013

Line No.	Attachment F Reference	PRE 97	POST 1996	TOTAL	Ref
I. INVESTMENT BASE					
	<i>Section:</i>				
1	Transmission Plant (A)(1)(a)	\$ 21,056,261	\$ 22,920,252	\$ 43,976,513	Worksheet 1
2	General Plant (A)(1)(b)	420,218	457,420	877,638	Worksheet 1
3	Plant Held For Future Use (A)(1)(c)	-	-	-	Worksheet 1
4	Total Plant (Lines 1+2+3)	21,476,479	23,377,672	44,854,151	
5	Accumulated Depreciation (A)(1)(d)	7,120,285	7,750,656	14,870,941	Worksheet 1
6	Accumulated Deferred Income Taxes (A)(1)(e)	3,433,667	3,737,655	7,171,322	Worksheet 1
7	Loss On Reacquired Debt (A)(1)(f)	-	-	-	Worksheet 1
8	Other Regulatory Assets (A)(1)(g)	61,519	66,965	128,484	Worksheet 1
9	Net Investment (Line 4-5-6+7+8)	10,984,046	11,956,326	22,940,372	
10	Prepayments (A)(1)(h)	35,547	38,695	74,242	Worksheet 1
11	Materials & Supplies (A)(1)(i)	100,570	109,473	210,043	Worksheet 1
12	Cash Working Capital (A)(1)(j)	113,610	123,668	237,277	Worksheet 1
13	Total Investment Base (Line 9+10+11+12)	\$ 11,233,773	\$ 12,228,162	\$ 23,461,934	Worksheet 1
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes (A)	\$ 1,409,748	\$ 1,534,535	\$ 2,944,283	Worksheet 1
15	Depreciation Expense (B)	417,699	454,679	872,378	Worksheet 1
16	Amortization of Loss on Reacquired Debt (C)	-	-	-	Worksheet 1
17	Investment Tax Credit (D)	(5,672)	(6,175)	(11,847)	Worksheet 1
18	Property Tax Expense (E)	509,158	554,234	1,063,392	Worksheet 1
19	Payroll Tax Expense (F)	2,068	2,251	4,319	
20	Operation & Maintenance Expense (G)	655,470	713,501	1,368,971	Worksheet 1
21	Administrative & General Expense (H)	253,406	275,840	529,246	Worksheet 1
22	Transmission Related Integrated Facilities Charge (I)	-	-	-	Worksheet 1
23	Transmission Support Revenue (J)	-	-	-	Worksheet 1
24	Transmission Support Expense (K)	-	-	-	Worksheet 1
25	Transmission Related Expense from Generators (L)	-	-	-	
26	Transmission Related Taxes and Fees Charge (M)	-	-	-	
27	Revenue for ST Trans. Service Under NEPOOL Tariff (N)	-	-	-	Worksheet 1
28	Transmission Rents Received from Electric Property (O)	-	-	-	
29	Total RNS Revenue Requirements before Forecast, Annual True-up and Assoc. Interest (Line 14 thru 28)	\$ 3,241,877	\$ 3,528,865	\$ 6,770,742	

Highgate Converter
Annual Revenue Requirements of PTF Facilities
2012

Line No.	I. INVESTMENT BASE	Attachment F Reference	PRE97	POST 1996	TOTAL	Reference
		<i>Section:</i>				
1	Transmission Plant	(A)(1)(a)	\$ 21,056,261	\$ 3,861,499	\$ 24,917,760	Worksheet 3, line 1&2 column 5
2	General Plant	(A)(1)(b)	622,938	114,240	737,178	Worksheet 3, line 3 column 5
3	Plant Held For Future Use	(A)(1)(c)	-	-	-	Worksheet 3, line 5 column 5
4	Total Plant (Lines 1+2+3)		21,679,199	3,975,739	25,654,938	
5	Accumulated Depreciation	(A)(1)(d)	8,585,279	1,574,443	10,159,722	Worksheet 3, line 8 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	3,251,453	596,280	3,847,733	Worksheet 3, line 11 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	-	-	-	Worksheet 3, line 12 column 5
8	Other Regulatory Assets	(A)(1)(g)	55,362	10,153	65,515	Worksheet 3, line 16 column 5
9	Net Investment (Line 4-5-6+7+8)		9,897,829	1,815,169	11,712,998	
10	Prepayments	(A)(1)(h)	139,377	25,560	164,937	Worksheet 3, line 17 column 5
11	Materials & Supplies	(A)(1)(i)	1,252	230	1,482	Worksheet 3, line 18 column 5
12	Cash Working Capital	(A)(1)(j)	171,370	31,427	202,797	Worksheet 3, line 25 column 5
13	Total Investment Base (Line 9+10+11+12)		\$ 10,209,828	\$ 1,872,386	\$ 12,082,214	
	II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	(A)	\$ 1,323,882	\$ 242,788	\$ 1,566,670	Worksheet 2
15	Depreciation Expense	(B)	457,715	83,939	541,654	Worksheet 4, line 3, column 5
16	Amortization of Loss on Reacquired Debt	(C)	-	-	-	Worksheet 4, line 4, column 5
17	Investment Tax Credit	(D)	(6,965)	(1,277)	(8,242)	Worksheet 4, line 5, column 5
18	Property Tax Expense	(E)	465,968	85,453	551,421	Worksheet 4, line 6, column 5
19	Payroll Tax Expense	(F)	-	-	-	Worksheet 4, line 22, column 5
20	Operation & Maintenance Expense	(G)	963,401	176,677	1,140,078	Worksheet 4, line 11, column 5
21	Administrative & General Expense	(H)	407,559	74,741	482,300	Worksheet 4, line 21, column 5
22	Transmission Related Integrated Facilities Charge	(I)	-	-	-	Attachment 4, line 6
23	Transmission Support Revenue	(J)	-	-	-	Worksheet 6
24	Transmission Support Expense	(K)	-	-	-	Worksheet 6
25	Transmission Related Expense from Generators	(L)	-	-	-	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	-	-	-	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	-	-	-	Attachment 7
28	Transmission Rents Received from Electric Property	(O)	-	-	-	Attachment 6
29	Total RNS Revenue Requirements before Forecast, Annual True-up and Assoc. Interest (Line 14 thru 28)		\$ 3,611,560	\$ 662,321	\$ 4,273,881	
30	Forecasted PTF Revenue Requirements - 2013		-	2,624,468	2,624,468	
31	Total RNS Rev Req'ts subject to Annual True-up		\$ 3,611,560	\$ 3,286,789	\$ 6,898,349	
32	PY true-up		-	-	-	
33	Total RNS-6/1/13-5/31/14		\$ 3,611,560	\$ 3,286,789	\$ 6,898,349	

**Highgate Converter
Transmission Revenue Requirements of PTF Facilities
2012 True-up**

I. APPENDIX C - ANNUAL TRUE-UP		Rate Year	PRE97	POST 1996	Total	Reference
1	ATRR for True-up = 2013 Actual	6/1/14-5/31/15	\$ 3,241,877	\$ 3,528,865	\$ 6,770,742	Summary 6-1-14_5-31-15, line 29
2	ATRR subject to True-up = '12 TY + '13 Forecast -	6/1/13-5/31/14	3,611,560	3,286,789	6,898,349	Summary 6-1-13_5-31-14, line 31
3	Annual True-up (Line 1 - Line 2)		\$ (369,683)	\$ 242,076	\$ (127,607)	

Highgate Converter
FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities

	Undercollection / (Overcollection)
PRE97	(369,683)
Post1996	242,076

Initial Billing Period	PRE97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE97 Interest	POST 1996 Interest	
June 2013	(369,683)	242,076	0.27%	\$ (987.51)	\$ 646.64	
July 2013	(370,671)	242,723	0.28%	(1,023.15)	669.98	
August 2013	(370,671)	242,723	0.28%	(1,023.15)	669.98	
September 2013	(370,671)	242,723	0.27%	(990.15)	648.37	
October 2013	(373,707)	244,711	0.28%	(1,031.53)	675.47	
November 2013	(373,707)	244,711	0.27%	(998.26)	653.68	
December 2013	(373,707)	244,711	0.28%	(1,031.53)	675.47	
January 2014	(376,768)	246,716	0.28%	(1,039.98)	681.00	
February 2014	(376,768)	246,716	0.25%	(939.34)	615.10	
March 2014	(376,768)	246,716	0.28%	(1,039.98)	681.00	
April 2014	(379,788)	248,693	0.27%	(1,014.50)	664.32	
May 2014	(379,788)	248,693	0.28%	(1,048.32)	686.46	
				\$ (12,167)	\$ 7,967	\$ (4,200)
		Total Interest True-Up		(369,683)	242,076	(127,607)
		Total TU & Int		\$ (381,850)	\$ 250,043	\$ (131,807)

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Total

Submitted on:	
Revenue Requirements for (year):	Calendar Year 2013 \$ 6,638,935
Customer:	Highgate Converter (GMP)
Customer's NABs Number:	
Name of Participant responsible for customer's billing:	
DUNs number of Participant responsible for customer's billing:	

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>3,241,877</u> (a)	<u>3,528,865</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u></u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u></u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>3,241,877</u> (e)=(a)-(b)+(c)+(d)	<u>3,528,865</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>0</u>
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>(381,850)</u>	<u>250,043</u>
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>2,860,027</u>	<u>3,778,908</u>
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)		<u><u>6,638,935</u></u>

Highgate Converter
Annual Revenue Requirements of PTF Facilities
Actual 2013 Total

Shading denotes an input

		Attachment F		
Line N	I. <u>INVESTMENT BASE</u>	<u>Reference</u>	<u>Total</u>	<u>Reference</u>
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	43,976,513	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	877,638	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>44,854,151</u>	
5	Accumulated Depreciation	(A)(1)(d)	14,870,941	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	7,171,323	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	128,484	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		22,940,371	
10	Prepayments	(A)(1)(h)	74,242	Worksheet 3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	210,043	Worksheet 3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	237,277	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		<u>23,461,933</u>	
II. <u>REVENUE REQUIREMENTS</u>				
14	Investment Return and Income Taxes	(A)	2,944,281	Worksheet 2
	Investment Return and Income Taxes Post-2003 Incremental		0	Worksheet adder
15	Depreciation Expense	(B)	872,379	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	(11,847)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	1,063,391	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	4,318	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	1,368,970	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	529,247	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tar	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		<u>6,770,739</u>	

Highgate Converter
Annual Revenue Requirements
Actual 2013 Total

Shading denotes an input

	<u>CAPITALIZATION</u> <u>12/31/13</u>		<u>CAPITALIZATION</u> <u>RATIOS</u>	<u>COST OF</u> <u>CAPITAL</u>	<u>COST OF EQUITY</u> <u>CAPITAL PORTION</u>
LONG-TERM DEBT	\$ 589,315,046	Page 112.24c	48.67%	5.51%	2.68%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	621,410,483	Page 112.16c	51.34%	11.64%	5.98%
TOTAL INVESTMENT	\$ 1,210,725,529		100.01%	8.66%	5.98%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0866

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.}}{1} + \frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}$$

=
$$\frac{0.0598 + \left(\frac{(11,847) + 0}{23,461,933} \right) \times 0.34}{\left(\frac{0.0598}{1} + \frac{(11,847) + 0}{23,461,933} \right) \times 0.34}$$

= 0.0305459

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{\left(\frac{\text{R.O.E.}}{1} + \frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{State Income Tax}} \times \text{State Income Tax Rate}$$

=
$$\frac{0.0598 + \left(\frac{(11,847) + 0}{23,461,933} \right) + 0.0305459}{\left(\frac{0.0598}{1} + \frac{(11,847) + 0}{23,461,933} \right) + 0.085} \times 0.085$$

= 0.0083459

(a)+(b)+(c) **Cost of C** = 0.1254918

	<u>(PTF)</u>			
INVESTMENT BASE	\$ 23,461,933	From Worksheet 1		
x Cost of Capital Rate	0.1254918			
= Investment Return and I	<u>2,944,281</u>	To Worksheet 1		

Highgate Converter

Actual 2013 Total

PTF Revenue Requirements

Worksheet 3 of 8

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	182,938,247		182,938,247		43,976,513	Line 1, Workshe
2	97,263,484	3.7536% (a)	3,650,892	24.0390%	877,638	Page 207.99g
3			<u>186,589,139</u>		<u>44,854,151</u>	
4	0		0	24.0390%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	60,429,336		60,429,336	24.0390%	14,526,608	Page 219.25b
6	38,160,378	3.7536% (a)	1,432,392	24.0390%	344,333	Page 219.28b
7			<u>61,861,728</u>		<u>14,870,941</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	(289,262,933)	13.0831% (c)	(37,844,559)	24.0390%	(9,097,454)	Page 113.63d
9	61,243,340	13.0831% (c)	8,012,527	24.0390%	1,926,131	Page 111.82d
10			<u>(29,832,032)</u>		<u>(7,171,323)</u>	
11	0	13.0831% (c)	0	24.0390%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	3.7536% (a)	0	24.0390%	0	Page 232.30e
13	4,978,929	13.0831% (c)	651,398	24.0390%	156,590	Page 232.21&22
14	(893,648)	13.0831% (c)	(116,917)	24.0390%	(28,106)	Page 278.1e
15	<u>4,085,281</u>		<u>534,481</u>		<u>128,484</u>	
16	8,227,813	3.7536% (a)	308,840	24.0390%	74,242	Page 111.57c
17	873,759		873,759	24.0390%	210,043	Page 227.8c
<u>Cash Working Capital</u>						
19					1,368,970	Worksheet 1, Li
20					529,247	Worksheet 1, Li
21					0	Worksheet 1, Li
22					<u>1,898,217</u>	
23					0.125	x 45 / 360
24					<u>237,277</u>	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Highgate Converter

PTF Revenue Requirements
Worksheet 4a of 8

Sheet: Worksheet 4

(2)

Actual 2013 Total
(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	3,437,058		3,437,058	24.0390%	826,234	Page 336.7b
2	5,113,942	3.7536% (a)	191,957	24.0390%	46,145	Page 336.10b
3			3,629,015		872,379	
4	0	13.0831% (c)	0	24.0390%	0	Page 117.64c
5	376,686	13.0831% (c)	49,282	24.0390%	11,847	Page 266.8f
Property Taxes *						
6	26,273,579	13.0831% (c)	3,437,399	24.0390%	826,316	Page 262-263 FN.1-2
7	26,273,579	3.7536% (a)	986,208	24.0390%	237,075	Page 262-263 FN.1-2
8			4,423,607		1,063,391	
Transmission Operation and Maintenance						
9	87,362,669		87,362,669	24.0390%	21,001,112	Page 321.112b
10	80,896,338		80,896,338	24.0390%	19,446,671	Page 321.96b
11	771,540		771,540	24.0390%	185,471	Page 321.84 - 88b
12	0		0	24.0390%	0	Page 321.93b & .98b
13	5,694,791		5,694,791		1,368,970	
Transmission Administrative and General						
14	51,916,391					Page 323.197b
15	2,741,377					Page 323.185b
16	1,184,249					Page 323.189b
17	164,026					Page 323.191b
18	47,826,739	3.7536% (a)	1,795,229	24.0390%	431,555	
19	2,741,377	13.0831% (c)	358,657	24.0390%	86,218	
20	364,822	13.0831% (c)	47,730	24.0390%	11,474	
21	0		0		0	
22	50,932,938		2,201,616		529,247	
23	478,554	3.7536% (a)	17,963	24.0390%	4,318	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	28,875	
FICA	239,316	
Medicare	0	
CT Unemployment	0	
MA Unemployment	0	
MA Universal Health	0	
VT Unemployment	210,363	
NH Unemployment	0	
Total	478,554	To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
		Highgate	
1	PTF Transmission Investment	43,976,513	NEPOOL Catalog
2	Total Transmission Investment	182,938,247	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	24.0390%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,010,831	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	1,010,831	
7	Total Wages and Salaries	43,375,431	Page 354.28b
8	Administrative and General Wages and Salaries	16,445,862	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	26,929,569	
11	Percent Allocation (Line 6/Line 10)	3.7536%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	182,938,247	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	3,650,892	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	186,589,139	
15	Total Plant in Service	1,426,184,388	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	13.0831%	

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Pre-97

Submitted on: May 8, 2014

Revenue Requirements for (year): Calendar Year 2013 \$ 3,241,877

Customer: Highgate Converter (GMP)

Customer's NABs Number: _____

Name of Participant responsible for customer's billing: _____

DUNs number of Participant responsible for customer's billing: _____

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>3,241,877</u> (a)	<u>0</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u> </u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u> </u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>3,241,877</u> (e)=(a)-(b)+(c)+(d)	<u>-</u> (j)

Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 3,241,877 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u> (h)

Total Post-96 Revenue Requirements 3,241,877 (l)=(k)+(b)+(g)-(h)

Highgate Converter
Annual Revenue Requirements of PTF Facilities
2013 actual pre 97

Shading denotes an input

		Attachment F		
Line N	I. INVESTMENT BASE	Reference	Total	Reference
<i>Section:</i>				
1	Transmission Plant	(A)(1)(a)	21,056,261	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	420,218	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		21,476,479	
5	Accumulated Depreciation	(A)(1)(d)	7,120,285	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	3,433,667	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	61,519	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		10,984,046	
10	Prepayments	(A)(1)(h)	35,547	Worksheet 3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	100,570	Worksheet 3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	113,610	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		11,233,773	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	1,409,748	Worksheet 2
15	Depreciation Expense	(B)	417,699	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	(5,672)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	509,158	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	2,068	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	655,470	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	253,406	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		3,241,877	

Highgate Converter
Annual Revenue Requirements
2013 actual pre 97

Shading denotes an input

	CAPITALIZATION 12/31/13		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF EQUITY CAPITAL PORTION
LONG-TERM DEBT	\$ 589,315,046	Page 112.24c	48.67%	5.51%	2.68%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	621,410,483	Page 112.16c	51.34%	11.64%	5.98%
TOTAL INVESTMENT	\$ 1,210,725,529		100.01%	8.66%	5.98%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0866

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)}$$

=
$$\frac{0.0598 + \left(\frac{(5,672) + 0}{11,233,773} \right) \times 0.34}{\left(\frac{0.0598}{1} + \left(\frac{(5,672) + 0}{11,233,773} \right) \times 0.34 \right)}$$

= 0.0305460

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)} \times \text{State Income Tax Rate}$$

=
$$\frac{0.0598 + \left(\frac{(5,672) + 0}{11,233,773} \right) \times 0.34}{\left(\frac{0.0598}{1} + \left(\frac{(5,672) + 0}{11,233,773} \right) \times 0.34 \right)} \times 0.085$$

= 0.0083459

(a)+(b)+(c) **Cost of C** = 0.1254919

	(PTF)	
INVESTMENT BASE	\$ 11,233,773	From Worksheet 1
x Cost of Capital Rate	0.1254919	
= Investment Return and I	<u>1,409,748</u>	To Worksheet 1

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col
<u>Transmission Plant</u>						
1	182,938,247		182,938,247		21,056,261	Line 1, Workshe
2	97,263,484	3.7536% (a)	3,650,892	11.5100%	420,218	Page 207.99g
3			<u>186,589,139</u>		<u>21,476,479</u>	
4	0		0	11.5100%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	60,429,336		60,429,336	11.5100%	6,955,417	Page 219.25b
6	38,160,378	3.7536% (a)	1,432,392	11.5100%	164,868	Page 219.28b
7			<u>61,861,728</u>		<u>7,120,285</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	(289,262,933)	13.0831% (c)	(37,844,559)	11.5100%	(4,355,909)	Page 113.63d
9	61,243,340	13.0831% (c)	8,012,527	11.5100%	922,242	Page 111.82d
10			<u>(29,832,032)</u>		<u>(3,433,667)</u>	
11	0	13.0831% (c)	0	11.5100%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	3.7536% (a)	0	11.5100%	0	Page 232.30e
13	4,978,929	13.0831% (c)	651,398	11.5100%	74,976	Page 233.11f
14	(893,648)	13.0831% (c)	(116,917)	11.5100%	(13,457)	Page 278
15	<u>4,085,281</u>		<u>534,481</u>		<u>61,519</u>	
16	8,227,813	3.7536% (a)	308,840	11.5100%	35,547	Page 111.57c
17	873,759		873,759	11.5100%	100,570	Page 227.8c
<u>Cash Working Capital</u>						
19					655,470	Worksheet 1, Li
20					253,406	Worksheet 1, Li
21					0	Worksheet 1, Li
22					<u>908,876</u>	
23					0.125	x 45 / 360
24					<u>113,610</u>	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Highgate Converter

(2) 2013 actual pre 97 (4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	3,437,058		3,437,058	11.5100%	395,605	Page 336.7b
2	5,113,942	3.7536% (a)	191,957	11.5100%	22,094	Page 336.10b
3			3,629,015		417,699	
4	0	13.0831% (c)	0	11.5100%	0	Page 117.64c
5	376,686	13.0831% (c)	49,282	11.5100%	5,672	Page 266.8f
Property Taxes *						
6	26,273,579	13.0831% (c)	3,437,399	11.5100%	395,645	Page 262-263 FN.1-2
7	26,273,579	3.7536% (a)	986,208	11.5100%	113,513	Page 262-263 FN.1-2
8			4,423,607		509,158	
Transmission Operation and Maintenance						
9	87,362,669		87,362,669	11.5100%	10,055,443	Page 321.112b
10	80,896,338		80,896,338	11.5100%	9,311,169	Page 321.96b
11	771,540		771,540	11.5100%	88,804	Page 321.84 - 88b
12	0		0	11.5100%	0	Page 321.93b & .98b
13	5,694,791		5,694,791		655,470	
Transmission Administrative and General						
14	51,916,391					Page 323.197b
15	2,741,377					Page 323.185b
16	1,184,249					Page 323.189b
17	164,026					Page 323.191b
18	47,826,739	3.7536% (a)	1,795,229	11.5100%	206,631	
19	2,741,377	13.0831% (c)	358,657	11.5100%	41,281	
20	364,822	13.0831% (c)	47,730	11.5100%	5,494	
21	0		0		0	
22	50,932,938		2,201,616		253,406	
23	478,554	3.7536% (a)	17,963	11.5100%	2,068	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	28,875	
FICA	239,316	
Medicare	0	
CT Unemployment	0	
MA Unemployment	0	
MA Universal Health	0	
VT Unemployment	210,363	
NH Unemployment	0	
Total	478,554	To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	21,056,261	NEPOOL Catalog Page 207.58g
2	Total Transmission Investment	182,938,247	
3	Percent Allocation (Line 1/Line 2)	<u>11.5100%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,010,831	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	<u>1,010,831</u>	
7	Total Wages and Salaries	43,375,431	Page 354.28b
8	Administrative and General Wages and Salaries	16,445,862	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	<u>26,929,569</u>	
11	Percent Allocation (Line 6/Line 10)	<u>3.7536%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	182,938,247	Page 207.58g
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	<u>3,650,892</u>	Page 207.99g
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	186,589,139	
15	Total Plant in Service	<u>1,426,184,388</u>	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>13.0831%</u>	

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

POST-96

Submitted on: May 8, 2014

Revenue Requirements for (year): Calendar Year 2013 \$ 3,528,865

Customer: Highgate Converter (GMP)

Customer's NABs Number: _____

Name of Participant responsible for customer's billing: _____

DUNs number of Participant responsible for customer's billing: _____

	<u>Pre-97 Revenue Requirements</u>		<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	<u>0</u> (a)	=	<u>3,528,865</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)		_____ (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)		_____ (h)
Total of Attachment F - Section (L through O)	_____ (d)		<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>0</u> (e)=(a)-(b)+(c)+(d)		<u>3,528,865</u> (j)

Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 3,528,865 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u> (h)

Total Post-96 Revenue Requirements 3,528,865 (l)=(k)+(b)+(g)-(h)

Highgate Converter
Annual Revenue Requirements of PTF Facilities
2013 actual post 96

Shading denotes an input

		Attachment F	
Line N		<u>Reference</u>	<u>Total</u>
			<u>Reference</u>
	I. INVESTMENT BASE	<i>Section:</i>	
1	Transmission Plant	(A)(1)(a)	22,920,252
2	General Plant	(A)(1)(b)	457,420
3	Plant Held For Future Use	(A)(1)(c)	0
4	Total Plant (Lines 1+2+3)		<u>23,377,672</u>
5	Accumulated Depreciation	(A)(1)(d)	7,750,656
6	Accumulated Deferred Income Taxes	(A)(1)(e)	3,737,655
7	Loss On Reacquired Debt	(A)(1)(f)	0
8	Other Regulatory Assets	(A)(1)(g)	66,965
9	Net Investment (Line 4-5-6+7+8)		<u>11,956,326</u>
10	Prepayments	(A)(1)(h)	38,695
11	Materials & Supplies	(A)(1)(i)	109,473
12	Cash Working Capital	(A)(1)(j)	123,668
13	Total Investment Base (Line 9+10+11+12)		<u><u>12,228,162</u></u>
	II. REVENUE REQUIREMENTS		
14	Investment Return and Income Taxes	(A)	1,534,535
	Investment Return and Income Taxes Post-2003 Incremental		0
15	Depreciation Expense	(B)	454,679
16	Amortization of Loss on Reacquired Debt	(C)	0
17	Investment Tax Credit	(D)	(6,175)
18	Property Tax Expense	(E)	554,234
19	Payroll Tax Expense	(F)	2,251
20	Operation & Maintenance Expense	(G)	713,501
21	Administrative & General Expense	(H)	275,840
22	Transmission Related Integrated Facilities Charge	(I)	0
23	Transmission Support Revenue	(J)	0
24	Transmission Support Expense	(K)	0
25	Transmission Related Expense from Generators	(L)	0
26	Transmission Related Taxes and Fees Charge	(M)	0
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0
28	Transmission Rents Received from Electric Property	(O)	0
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>3,528,865</u></u>

Highgate Converter
Annual Revenue Requirements
2013 actual post 96

Shading denotes an input

	CAPITALIZATION 12/31/13		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF EQUITY CAPITAL PORTION
LONG-TERM DEBT	\$ 589,315,046	Page 112.24c	48.67%	5.51%	2.68%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	621,410,483	Page 112.16c	51.34%	11.64%	5.98%
TOTAL INVESTMENT	\$ 1,210,725,529		100.01%	8.66%	5.98%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0866

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)}$$

=
$$\frac{0.0598 + \left(\frac{(6,175) + 0}{12,228,162} \right) \times 0.34}{\left(\frac{0.0598}{1} + \left(\frac{(6,175) + 0}{12,228,162} \right) \times 0.34 \right)}$$

= 0.0305459

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax} \right)} \times \text{State Income Tax Rate}$$

=
$$\frac{0.0598 + \left(\frac{(6,175) + 0}{12,228,162} \right) \times 0.0305459}{\left(\frac{0.0598}{1} + \left(\frac{(6,175) + 0}{12,228,162} \right) \times 0.085 \right)} \times 0.085$$

= 0.0083459

(a)+(b)+(c) **Cost of C** = 0.1254918

	(PTF)	
INVESTMENT BASE	\$ 12,228,162	From Worksheet 1
x Cost of Capital Rate	0.1254918	
= Investment Return and I	<u>1,534,535</u>	To Worksheet 1

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	182,938,247		182,938,247		22,920,252	Line 1, Workshe
2	97,263,484	3.7536% (a	3,650,892	12.5290%	457,420	Page 207.99g
3			<u>186,589,139</u>		<u>23,377,672</u>	
4	0		0	12.5290%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	60,429,336		60,429,336	12.5290%	7,571,192	Page 219.25b
6	38,160,378	3.7536% (a	1,432,392	12.5290%	179,464	Page 219.28b
7			<u>61,861,728</u>		<u>7,750,656</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	(289,262,933)	13.0831% (c)	(37,844,559)	12.5290%	(4,741,545)	Page 113.63d
9	61,243,340	13.0831% (c)	8,012,527	12.5290%	1,003,890	Page 111.82d
10			<u>(29,832,032)</u>		<u>(3,737,655)</u>	
11	0	13.0831% (c)	0	12.5290%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	3.7536% (a	0	12.5290%	0	Page 232.30e
13	4,978,929	13.0831% (c)	651,398	12.5290%	81,614	Page 232.21&22
14	(893,648)	13.0831% (c)	(116,917)	12.5290%	(14,649)	Page 278.1e
15	<u>4,085,281</u>		<u>534,481</u>		<u>66,965</u>	
16	8,227,813	3.7536% (a	308,840	12.5290%	38,695	Page 111.57c
17	873,759		873,759	12.5290%	109,473	Page 227.8c
<u>Cash Working Capital</u>						
19					713,501	Worksheet 1, Li
20					275,840	Worksheet 1, Li
21					0	Worksheet 1, Li
22					<u>989,341</u>	
23					0.125	x 45 / 360
24					<u>123,668</u>	

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	3,437,058		3,437,058	12.5290%	430,629	Page 336.7b
2	5,113,942	3.7536% (a)	191,957	12.5290%	24,050	Page 336.10b
3			3,629,015		454,679	
4	0	13.0831% (c)	0	12.5290%	0	Page 117.64c
5	376,686	13.0831% (c)	49,282	12.5290%	6,175	Page 266.8f
Property Taxes *						
6	26,273,579	13.0831% (c)	3,437,399	12.5290%	430,672	Page 262-263 FN.1-2
7	26,273,579	3.7536% (a)	986,208	12.5290%	123,562	Page 262-263 FN.1-2
8			4,423,607		554,234	
Transmission Operation and Maintenance						
9	87,362,669		87,362,669	12.5290%	10,945,669	Page 321.112b
10	80,896,338		80,896,338	12.5290%	10,135,502	Page 321.96b
11	771,540		771,540	12.5290%	96,666	Page 321.84 - 88b
12	0		0	12.5290%	0	Page 321.93b & .98b
13	5,694,791		5,694,791		713,501	
Transmission Administrative and General						
14	51,916,391					Page 323.197b
15	2,741,377					Page 323.185b
16	1,184,249					Page 323.189b
17	164,026					Page 323.191b
18	47,826,739	3.7536% (a)	1,795,229	12.5290%	224,924	
19	2,741,377	13.0831% (c)	358,657	12.5290%	44,936	
20	364,822	13.0831% (c)	47,730	12.5290%	5,980	
21	0		0		0	
22	50,932,938		2,201,616		275,840	
23	478,554	3.7536% (a)	17,963	12.5290%	2,251	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	28,875
FICA	239,316
Medicare	0
CT Unemployment	0
MA Unemployment	0
MA Universal Health	0
VT Unemployment	210,363
NH Unemployment	0
Total	478,554 To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	22,920,252	
2	Total Transmission Investment	182,938,247	NEPOOL Catalog Page 207.58g
3	Percent Allocation (Line 1/Line 2)	<u>12.5290%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,010,831	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	1,010,831	
7	Total Wages and Salaries	43,375,431	Page 354.28b
8	Administrative and General Wages and Salaries	16,445,862	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	26,929,569	
11	Percent Allocation (Line 6/Line 10)	<u>3.7536%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	182,938,247	Page 207.58g
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	3,650,892	Page 207.99g
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	186,589,139	
15	Total Plant in Service	1,426,184,388	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>13.0831%</u>	

Highgate Converter

ISO-NE Tariff Billing
PTO Annual Transmission Revenue Requirements
per OATT Attachment F

Submitted on: May 1, 2014

Revenue Requirements for (test year): Calendar Year 2013

Rates Effective for the period:
through: June 1, 2014
May 31, 2015

Customer: Highgate Converter (Burlington Electric Department)

Customer's NABs Number:

Name of Participant responsible for customer's billing:

DUNs number of Participant responsible for customer's billing:

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	= \$ <u>127,930</u> (a)	\$ <u>272,647</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>-</u> (b)	<u>-</u> (g)
Total of Attachment F - Section K - Support Expense	<u>-</u> (c)	<u>-</u> (h)
Total of Attachment F - Section (L through O)	<u>-</u> (d)	<u>-</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>127,930</u> (e)=(a)-(b)+(c)+(d)	<u>272,647</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>-</u> (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>13,048</u> (l)	<u>48,299</u> (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>\$ 140,978</u> (n)=(e)+(l)	<u>\$ 320,946</u> (o)=(j)+(k)+(m)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)		<u><u>\$ 461,924</u></u> (p) = (n)+(o)

Highgate Converter
Annual Revenue Requirements of PTF Facilities
2013

Line No.	Attachment F Reference	PRE 97	POST 1996	TOTAL	Ref
I. INVESTMENT BASE					
	<i>Section:</i>				
1	Transmission Plant (A)(1)(a)	\$ 1,236,233	\$ 2,640,582	\$ 3,876,815	Worksheet 1
2	General Plant (A)(1)(b)	-	-	-	Worksheet 1
3	Plant Held For Future Use (A)(1)(c)	-	-	-	Worksheet 1
4	Total Plant (Lines 1+2+3)	1,236,233	2,640,582	3,876,815	
5	Accumulated Depreciation (A)(1)(d)	309,498	661,084	970,582	Worksheet 1
6	Accumulated Deferred Income Taxes (A)(1)(e)	-	-	-	Worksheet 1
7	Loss On Reacquired Debt (A)(1)(f)	-	-	-	Worksheet 1
8	Other Regulatory Assets (A)(1)(g)	-	-	-	Worksheet 1
9	Net Investment (Line 4-5-6+7+8)	926,735	1,979,498	2,906,233	
10	Prepayments (A)(1)(h)	-	-	-	Worksheet 1
11	Materials & Supplies (A)(1)(i)	-	-	-	Worksheet 1
12	Cash Working Capital (A)(1)(j)	1,810	3,905	5,715	Worksheet 1
13	Total Investment Base (Line 9+10+11+12)	\$ 928,545	\$ 1,983,403	\$ 2,911,948	Worksheet 1
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes (A)	\$ 79,113	\$ 167,995	\$ 247,108	Worksheet 1
15	Depreciation Expense (B)	33,883	72,374	106,257	Worksheet 1
16	Amortization of Loss on Reacquired Debt (C)	-	-	-	Worksheet 1
17	Investment Tax Credit (D)	-	-	-	Worksheet 1
18	Property Tax Expense (E)	452	1,037	1,489	Worksheet 1
19	Payroll Tax Expense (F)	-	-	-	
20	Operation & Maintenance Expense (G)	12,559	26,826	39,385	Worksheet 1
21	Administrative & General Expense (H)	1,923	4,415	6,338	Worksheet 1
22	Transmission Related Integrated Facilities Charge (I)	-	-	-	Worksheet 1
23	Transmission Support Revenue (J)	-	-	-	Worksheet 1
24	Transmission Support Expense (K)	-	-	-	Worksheet 1
25	Transmission Related Expense from Generators (L)	-	-	-	
26	Transmission Related Taxes and Fees Charge (M)	-	-	-	
27	Revenue for ST Trans. Service Under NEPOOL Tariff (N)	-	-	-	Worksheet 1
28	Transmission Rents Received from Electric Property (O)	-	-	-	
29	Total RNS Revenue Requirements before Forecast, Annual True-up and Assoc. Interest (Line 14 thru 28)	\$ 127,930	\$ 272,647	\$ 400,577	

Highgate Converter
Annual Revenue Requirements of PTF Facilities
2012

Line No.	I. INVESTMENT BASE	Attachment F	PRE97	POST 1996	TOTAL	Reference	
		Reference					
		<i>Section:</i>					
1	Transmission Plant	(A)(1)(a)	\$ 1,246,652	\$ 2,440,681	\$ 3,687,333	Worksheet 3, line 1&2 column 5	
2	General Plant	(A)(1)(b)	-	-	-	Worksheet 3, line 3 column 5	
3	Plant Held For Future Use	(A)(1)(c)	-	-	-	Worksheet 3, line 5 column 5	
4	Total Plant (Lines 1+2+3)		1,246,652	2,440,681	3,687,333		
5	Accumulated Depreciation	(A)(1)(d)	359,450	703,960	\$ 1,063,410	Worksheet 3, line 8 column 5	
6	Accumulated Deferred Income Taxes	(A)(1)(e)	-	-	-	Worksheet 3, line 11 column 5	
7	Loss On Reacquired Debt	(A)(1)(f)	-	-	-	Worksheet 3, line 12 column 5	
8	Other Regulatory Assets	(A)(1)(g)	-	-	-	Worksheet 3, line 16 column 5	
9	Net Investment (Line 4-5-6+7+8)		887,202	1,736,721	2,623,923		
10	Prepayments	(A)(1)(h)	-	-	-	Worksheet 3, line 17 column 5	
11	Materials & Supplies	(A)(1)(i)	-	-	-	Worksheet 3, line 18 column 5	
12	Cash Working Capital	(A)(1)(j)	1,362	2,684	\$ 4,046	Worksheet 3, line 25 column 5	
13	Total Investment Base (Line 9+10+11+12)		\$ 888,564	\$ 1,739,405	\$ 2,627,969		
	II. REVENUE REQUIREMENTS						
14	Investment Return and Income Taxes	(A)	\$ 72,862	\$ 142,631	\$ 215,493	Worksheet 2	
15	Depreciation Expense	(B)	31,271	61,243	\$ 92,514	Worksheet 4, line 3, column 5	
16	Amortization of Loss on Reacquired Debt	(C)	-	-	-	Worksheet 4, line 4, column 5	
17	Investment Tax Credit	(D)	-	-	-	Worksheet 4, line 5, column 5	
18	Property Tax Expense	(E)	274	564	\$ 838	Worksheet 4, line 6, column 5	
19	Payroll Tax Expense	(F)	-	-	-	Worksheet 4, line 22, column 5	
20	Operation & Maintenance Expense	(G)	9,583	18,768	\$ 28,351	Worksheet 4, line 11, column 5	
21	Administrative & General Expense	(H)	1,313	2,700	\$ 4,013	Worksheet 4, line 21, column 5	
22	Transmission Related Integrated Facilities Charge	(I)	-	-	-	Attachment 4, line 6	
23	Transmission Support Revenue	(J)	-	-	-	Worksheet 6	
24	Transmission Support Expense	(K)	-	-	-	Worksheet 6	
25	Transmission Related Expense from Generators	(L)	-	-	-	Worksheet 7	
26	Transmission Related Taxes and Fees Charge	(M)	-	-	-		
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	-	-	-	Attachment 7	
28	Transmission Rents Received from Electric Property	(O)	-	-	-	Attachment 6	
29	Total RNS Revenue Requirements before Forecast, Annual True-up and Assoc. Interest (Line 14 thru 28)		\$ 115,303	\$ 225,906	\$ 341,209		
30	Forecasted PTF Revenue Requirements - 2013		-	-	-		
31	Total RNS Rev Req'ts subject to Annual True-up		\$ 115,303	\$ 225,906	\$ 341,209		
32	PY true-up		-	-	-		
33	Total RNS-6/1/13-5/31/14		\$ 115,303	\$ 225,906	\$ 341,209		

**Highgate Converter
Transmission Revenue Requirements of PTF Facilities
2011 True-up**

I.	APPENDIX C - ANNUAL TRUE-UP	Rate Year	PRE97	POST 1996	Total	Reference
1	ATRR for True-up = 2013 Actual	6/1/14-5/31/15	\$ 127,930	\$ 272,647	\$ 400,577	Summary 6-1-14_5-31-15, line 29
2	ATRR subject to True-up = '12 TY + '13 Forecast -	6/1/13-5/31/14	115,303	225,906	341,209	Summary 6-1-13_5-31-14, line 31
3	Annual True-up (Line 1 - Line 2)		\$ 12,627	\$ 46,741	\$ 59,368	

Highgate Converter
FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities

	Undercollection / (Overcollection)
PRE97	12,627
Post1996	46,741

Initial Billing Period	PRE97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE97 Interest	POST 1996 Interest	
June 2013	12,627	46,741	0.27%	\$ 34.09	\$ 126.20	
July 2013	12,661	46,867	0.28%	35.45	131.23	
August 2013	12,661	46,867	0.28%	35.45	131.23	
September 2013	12,661	46,867	0.27%	34.18	126.54	
October 2013	12,766	47,256	0.28%	35.75	132.32	
November 2013	12,766	47,256	0.27%	34.47	127.59	
December 2013	12,766	47,256	0.28%	35.75	132.32	
January 2014	12,872	47,648	0.28%	36.04	133.42	
February 2014	12,872	47,648	0.25%	32.18	119.12	
March 2014	12,872	47,648	0.28%	36.04	133.42	
April 2014	12,976	48,034	0.27%	35.04	129.69	
May 2014	12,976	48,034	0.28%	36.33	134.50	
				\$ 421	\$ 1,558	\$ 1,979
		Total Interest True-Up		12,627	46,741	59,368
		Total TU & Int		\$ 13,048	\$ 48,299	\$ 61,347

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Total

Submitted on:	
Revenue Requirements for (year):	Calendar Year 2013 \$ 461,924
Customer:	Highgate Converter (BED)
Customer's NABs Number:	
Name of Participant responsible for customer's billing:	
DUNs number of Participant responsible for customer's billing:	

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>127,930</u> (a)	<u>272,647</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u></u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u></u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>127,930</u> (e)=(a)-(b)+(c)+(d)	<u>272,647</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>0</u>
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>13,048</u>	<u>48,299</u>
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>140,978</u>	<u>320,946</u>
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)		<u><u>461,924</u></u>

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

Pre-97

Submitted on: May 1, 2014

Revenue Requirements for (year): Calendar Year 2013 \$ 127,930

Customer:

Customer's NABs Number:

Name of Participant responsible for customer's billing:

DUNs number of Participant responsible for customer's billing:

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>127,930</u> (a)	<u>0</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u> </u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u> </u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>127,930</u> (e)=(a)-(b)+(c)+(d)	<u>-</u> (j)
 Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		 <u>127,930</u> (k) = (e) + (j)
 Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		 <u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		<u>0</u> (h)
 Total Post-96 Revenue Requirements		 <u>127,930</u> (l)=(k)+(b)+(g)-(h)

Highgate Converter
Annual Revenue Requirements of PTF Facilities
for costs in 2013

Shading denotes an input

		Attachment F		
Line N	I. INVESTMENT BASE	Reference	Total	Reference
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	1,236,233	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>1,236,233</u>	
5	Accumulated Depreciation	(A)(1)(d)	309,498	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>926,735</u>	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	1,810	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u><u>928,545</u></u>	
 II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	79,113	Worksheet 2
15	Depreciation Expense	(B)	33,883	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	452	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	12,559	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	1,923	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	Gross Revenue Tax
27	Revenue for ST Trans. Service Under NEPOOL Tar	(N)	0	Schedule 8 TOUT Revenues
28	Transmission Rents Received from Electric Property	(O)	0	Rev Rent 4000-454122
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>127,930</u></u>	

Highgate Converter
Annual Revenue Requirements
for costs in 2013

Shading denotes an input

	CAPITALIZATION 12/31/13		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF EQUITY CAPITAL PORTION
LONG-TERM DEBT	\$ 62,377,463	Page 112.24c	48.60%	5.23%	2.54%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	65,963,168	Page 112.16c	51.41%	11.64%	5.98%
TOTAL INVESTMENT	\$ 128,340,631		100.01%	8.52%	5.98%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0852

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)}$$

=
$$\frac{0.0598 + \left(\frac{0 + 0}{928,545} \right) \times 0}{\left(\frac{0.0598}{1} + \left(\frac{0 + 0}{928,545} \right) \times 0 \right)}$$

= 0.0000000

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax} \right)} \times \text{State Income Tax Rate}$$

=
$$\frac{0.0598 + \left(\frac{0 + 0}{928,545} \right) + 0.000000}{\left(\frac{0.0598}{1} + \left(\frac{0 + 0}{928,545} \right) + 0 \right)} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of C** = 0.0852000

	(PTF)	
INVESTMENT BASE	\$ 928,545	From Worksheet 1
x Cost of Capital Rate	0.0852000	
= Investment Return and I	<u>79,113</u>	To Worksheet 1

Highgate Converter

Sheet: Worksheet 3

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	2,377,551		2,377,551		1,236,233	Line 1, Workshe
2	11,858,313	0.0000% (a	0	20.0705%	0	Page 207.99g
3	14,235,864		2,377,551		1,236,233	
4	0		0	20.0705%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	1,542,052		1,542,052	20.0705%	309,498	Page 219.25b
6	7,285,843	0.0000% (a	0	20.0705%	0	Page 219.28b
7	8,827,895		1,542,052		309,498	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	4.0961% (c	0	20.0705%	0	Page 113.63d
9	0	4.0961% (c	0	20.0705%	0	Page 111.82d
10			0		0	
11	0	4.0961% (c	0	20.0705%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a	0	20.0705%	0	Page 232.30e
13	0	4.0961% (c	0	20.0705%	0	Page 232.21&22
14	0	4.0961% (c	0	20.0705%	0	Page 278.1e
15	0		0		0	
16	0	0.0000% (a	0	20.0705%	0	Page 111.57c
17	0		0	20.0705%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					12,559	Worksheet 1, Li
20					1,923	Worksheet 1, Li
21					0	Worksheet 1, Li
22					14,482	
23					0.125	x 45 / 360
24					1,810	

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

Highgate Converter

PTF Revenue Requirements
Worksheet 4a of 8

Sheet: Worksheet 4

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	168,821		168,821	20.0705%	33,883	Page 336.7b
2	384,988	0.0000% (a)	0	20.0705%	0	Page 336.10b
3	553,809		168,821		33,883	
4	0	4.0961% (c)	0	20.0705%	0	Page 117.64c
5	0	4.0961% (c)	0	20.0705%	0	Page 266.8f
Property Taxes *						
6	54,978	4.0961% (c)	2,252	20.0705%	452	Page 262-263 FN.1-2
7	2,346,462		0	20.0705%	0	Page 262-263 FN.1-2
8	2,401,440		2,252		452	
Transmission Operation and Maintenance						
9	5,838,678		5,838,678	20.0705%	1,171,852	Page 321.112b
10	5,776,104		5,776,104	20.0705%	1,159,293	Page 321.96b
11	0		0	20.0705%	0	Page 321.84 - 88b
12	0		0	20.0705%	0	Page 321.93b & .98b
13	62,574		62,574		12,559	
Transmission Administrative and General						
14	3,324,178					Page 323.197b
15	227,986					Page 323.185b
16	5,917					Page 323.189b
17	0					Page 323.191b
18	3,090,275	0.0000% (a)	0	20.0705%	0	
19	227,986	4.0961% (c)	9,339	20.0705%	1,874	
20	5,917	4.0961% (c)	242	20.0705%	49	
21	0	4.0961% (c)	0	20.0705%	0	
22	3,324,178		9,581		1,923	
23	726,989	0.0000% (a)	0	20.0705%	0	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	589,294
FICA	137,695
Medicare	0
CT Unemployment	0
MA Unemployment	0
MA Universal Health	0
VT Unemployment	0
NH Unemployment	0
Total	726,989 To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
<u>PTF Transmission Plant Allocation Factor</u> Highgate Converter			
1	PTF Transmission Investment	1,236,233	NEPOOL Catalog
2	Total Transmission Investment	6,159,452	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	<u>20.0705%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	0	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	0	
7	Total Wages and Salaries	8,135,923	Page 354.28b
8	Administrative and General Wages and Salaries	1,550,207	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - Line 9)	6,585,716	
11	Percent Allocation (Line 6/Line 10)	<u>0.0000%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	6,159,452	Page 207.58g
13	plus Transmission-Related General Plant (Line 2)	6,371	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	6,165,823	
15	Total Plant in Service	150,529,145	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>4.0961%</u>	

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

POST-96

Submitted on: May 1, 2014

Revenue Requirements for (year): Calendar Year 2013 \$ 272,647

Customer: Highgate Converter (BED)

Customer's NABs Number: _____

Name of Participant responsible for customer's billing: _____

DUNs number of Participant responsible for customer's billing: _____

	<u>Pre-97 Revenue Requirements</u>		<u>Post-96 Revenue Requirements</u>	
Total of Attachment F - Sections A through I	<u>0</u>	(a)	<u>272,647</u>	(f)
Total of Attachment F - Section J - Support Revenue	<u>0</u>	(b)	_____	(g)
Total of Attachment F - Section K - Support Expense	<u>0</u>	(c)	_____	(h)
Total of Attachment F - Section (L through O)	<u>_____</u>	(d)	<u>0</u>	(i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>0</u>	(e)=(a)-(b)+(c)+(d)	<u>272,647</u>	(j)

Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 272,647 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u>	(b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u>	(g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u>	(h)

Total Post-96 Revenue Requirements 272,647 (l)=(k)+(b)+(g)-(h)

Highgate Converter
Annual Revenue Requirements of PTF Facilities
for costs in 2013

Shading denotes an input

		Attachment F		
Line N		Reference	Total	Reference
		<i>Section:</i>		
I. INVESTMENT BASE				
1	Transmission Plant	(A)(1)(a)	2,640,582	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>2,640,582</u>	
5	Accumulated Depreciation	(A)(1)(d)	661,084	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		1,979,498	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	3,905	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u><u>1,983,403</u></u>	
 II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	167,995	Worksheet 2
	Investment Return and Income Taxes Post-2003 Incremental		0	Worksheet adder
15	Depreciation Expense	(B)	72,374	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	1,037	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	26,826	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	4,415	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	Gross Revenue Tax
27	Revenue for ST Trans. Service Under NEPOOL Tar	(N)	0	Schedule 8 TOUT Revenues
28	Transmission Rents Received from Electric Property	(O)	0	Rev Rent 4000-454122
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>272,647</u></u>	

Highgate Converter
Annual Revenue Requirements
for costs in 2013

Shading denotes an input

	CAPITALIZATION 12/31/13		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF EQUITY CAPITAL PORTION
LONG-TERM DEBT	\$ 69,736,560	Page 112.24c	53.50%	5.72%	3.06%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	60,605,137	Page 112.16c	46.51%	11.64%	5.41%
TOTAL INVESTMENT	\$ 130,341,697		100.01%	8.47%	5.41%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0847

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)}$$

=
$$\frac{0.0541 + \left(\frac{0 + 0}{1,983,403} \right) \times 0}{\left(\frac{0.0541}{1} + \left(\frac{0 + 0}{1,983,403} \right) \times 0 \right)}$$

= 0.0000000

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{\left(\frac{\text{R.O.E.}}{1} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax} \right)} \times \text{State Income Tax Rate}$$

=
$$\frac{0.0541 + \left(\frac{0 + 0}{1,983,403} \right) + 0.0000000}{\left(\frac{0.0541}{1} + \left(\frac{0 + 0}{1,983,403} \right) + 0 \right)} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of C** = 0.0847000

	(PTF)	
INVESTMENT BASE	\$ 1,983,403	From Worksheet 1
x Cost of Capital Rate	0.0847000	
= Investment Return and I	<u>167,995</u>	To Worksheet 1

Highgate Converter

Sheet: Worksheet 3

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	3,781,901		3,781,901		2,640,582	Line 1, Workshe
2	11,858,313	0.0000% (a	0	42.8704%	0	Page 207.99g
3	15,640,214		3,781,901		2,640,582	
4	0		0	42.8704%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	1,542,052		1,542,052	42.8704%	661,084	Page 219.25b
6	7,285,843	0.0000% (a	0	42.8704%	0	Page 219.28b
7	8,827,895		1,542,052		661,084	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	4.4026% (c	0	42.8704%	0	Page 113.63d
9	0	4.4026% (c	0	42.8704%	0	Page 111.82d
10			0		0	
11	0	4.4026% (c	0	42.8704%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a	0	42.8704%	0	Page 232.30e
13	0	4.4026% (c	0	42.8704%	0	Page 232.21&22
14	0	4.4026% (c	0	42.8704%	0	Page 278.1e
15	0		0		0	
16	0	0.0000% (a	0	42.8704%	0	Page 111.57c
17	0		0	42.8704%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					26,826	Worksheet 1, Li
20					4,415	Worksheet 1, Li
21					0	Worksheet 1, Li
22					31,241	
23					0.125	x 45 / 360
24					3,905	

(a) Worksheet 5 of 8, line 11
(b) Worksheet 5 of 8, line 3
(c) Worksheet 5 of 8, line 16

Highgate Converter

PTF Revenue Requirements

Worksheet 4a of 8

Sheet: Worksheet 4

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	168,821		168,821	42.8704%	72,374	Page 336.7b
2	384,988	0.0000% (a)	0	42.8704%	0	Page 336.10b
3	553,809		168,821		72,374	
Amortization of Loss on Reacquired De						
4	0	4.4026% (c)	0	42.8704%	0	Page 117.64c
Amortization of Investment Tax Credits						
5	0	4.4026% (c)	0	42.8704%	0	Page 266.8f
Property Taxes *						
6	54,978	4.4026% (c)	2,420	42.8704%	1,037	Page 262-263 FN.1-2
7	2,346,462		0	42.8704%	0	Page 262-263 FN.1-2
8	2,401,440		2,420		1,037	
Transmission Operation and Maintenance						
9	5,838,678		5,838,678	42.8704%	2,503,065	Page 321.112b
10	5,776,104		5,776,104	42.8704%	2,476,239	Page 321.96b
11	0		0	42.8704%	0	Page 321.84 - 88b
12	0		0	42.8704%	0	Page 321.93b & .98b
13	62,574		62,574		26,826	
Transmission Administrative and General						
14	3,324,178					Page 323.197b
15	227,986					Page 323.185b
16	5,917					Page 323.189b
17	0					Page 323.191b
18	3,090,275	0.0000% (a)	0	42.8704%	0	
19	227,986	4.4026% (c)	10,037	42.8704%	4,303	
20	5,917	4.4026% (c)	261	42.8704%	112	
21	0	4.4026% (c)	0	42.8704%	0	
22	3,324,178		10,298		4,415	
23	726,989	0.0000% (a)	0	42.8704%	0	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	589,294	
FICA	137,695	
Medicare	0	
CT Unemployment	0	
MA Unemployment	0	
MA Universal Health	0	
VT Unemployment	0	
NH Unemployment	0	
Total	726,989	To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
Highgate Converter			
1	PTF Transmission Investment	2,640,582	NEPOOL Catalog
2	Total Transmission Investment	6,159,452	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	<u>42.8704%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	0	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	0	
7	Total Wages and Salaries	8,135,923	Page 354.28b
8	Administrative and General Wages and Salaries	1,550,207	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - Line 9)	6,585,716	
11	Percent Allocation (Line 6/Line 10)	<u>0.0000%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	6,159,452	Page 207.58g
13	plus Transmission-Related General Plant (Line 2)	467,677	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	6,627,129	
15	Total Plant in Service	150,529,145	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>4.4026%</u>	

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

TOTAL

Submitted on: RTO RC

Revenue Requirements for (year): **Calendar Yr 2013** \$ 533,710

Customer: Vermont Public Power Supply Authority

Customer's NABs Number:

Name of Participant responsible for customer's billing:

DUNs number of Participant responsible for customer's billing:

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>183,434</u> (a)	<u>350,276</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u>0</u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>183,434</u> (e)=(a)-(b)+(c)+(d)	<u>350,276</u> (j)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		<u>533,710</u> (k) = (e) + (j)
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		<u>0</u> (h)
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		<u><u>533,710</u></u> (l)=(k)+(b)+(c)

Vermont Public Power Supply Authority

Shading denotes an input

Line No.	(1) Total	fo (2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
<u>Transmission Plant</u>						
1	4,383,194		4,383,194		1,506,489	Line 1, Worksheet 5
2	91,984	100.0000% (a)	91,984	34.3697%	31,615	Page 207.99g
3	4,475,179		4,475,178		1,538,104	
4	0		0	34.3697%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	2,124,436		2,124,436	34.3697%	730,162	Page 219.25b
6	21,901	100.0000% (a)	21,901	34.3697%	7,527	Page 219.27b
7	2,146,338		2,146,337		737,689	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	100.0000% (c)	0	34.3697%	0	Page 113.63d
9	0	100.0000% (c)	0	34.3697%	0	Page 111.68d
10	0		0		0	
11	0	100.0000% (c)	0	34.3697%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a)	0	34.3697%	0	Page 232.30e
13	0	100.0000% (c)	0	34.3697%	0	Page 232.21&23e
14	0	100.0000% (c)	0	34.3697%	0	Page 278.1e
15	0		0		0	
16	0	100.0000% (a)	0	34.3697%	0	Page 111.57c
17	0		0	34.3697%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					20,621	Worksheet 1, Line 20
20					33,607	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					54,228	
23					0.125	x 45 / 360
24					6,779	

- (a) Worksheet 5 of 8, line 11
- (b) Worksheet 5 of 8, line 3
- (c) Worksheet 5 of 8, line 16

Vermont Public Power Supply Authority

Sheet: Worksheet 4

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	154,398		154,398	34.3697%	53,066	Page 336.7b
2	10,500	100.0000% (a)	10,500	34.3697%	3,609	Page 336.9b
3	164,899		164,898		56,675	
Amortization of Loss on Recquired Det						
4	0	100.0000% (c)	0	34.3697%	0	Page 117.64c
Amortization of Investment Tax Credit						
5	0	100.0000% (c)	0	34.3697%	0	Page 266.8f
Property Taxes *						
6	65,456	100.0000% (c)	65,456	34.3697%	22,497	Page 262-263 FN.1-2
7	1,374	100.0000%	1,374	34.3697%	472	Page 262-263 FN.1-2
8	66,830		66,830		22,969	
Transmission Operation and Maintenance						
9	59,998		59,998	34.3697%	20,621	Page 321.112b
10	0		0	34.3697%	0	Page 321.96b
11	0		0	34.3697%	0	Page 321.84 - 88b
12	0		0	34.3697%	0	Page 321.93b & .98b
13	59,998		59,998		20,621	
Transmission Administrative and General						
14	97,781					Page 323.197b
15	21,630					Page 323.185b
16	0					Page 323.189b
17	0					Page 323.191b
18	76,152	100.0000% (a)	76,152	34.3697%	26,173	
19	21,630	100.0000% (c)	21,630	34.3697%	7,434	
20	0	100.0000% (c)	0	34.3697%	0	
21	0	100.0000% (c)	0	34.3697%	0	
22	97,781		97,782		33,607	
23		100.0000% (a)	0	34.3697%	0	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	0
FICA	0
Medicare	0
CT Unemployment	
MA Unemployment	
MA Universal Health	
VT Unemployment	0
NH Unemployment	0
Total	0 To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
	<u>PTF Transmission Plant Allocation Factor</u>	<u>VPPSA</u>	
1	PTF Transmission Investment	1,506,489	NEPOOL Catalog
2	Total Transmission Investment	4,383,194	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	<u>34.3697%</u>	
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	1,848	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	1,848	
7	Total Wages and Salaries	25,426	Page 354.28b
8	Administrative and General Wages and Salaries	23,578	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	1,848	
11	Percent Allocation (Line 6/Line 10)	<u>100.0000%</u>	
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	4,383,194	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 5)	91,984	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	4,475,179	
15	Total Plant in Service	4,475,179	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>100.0000%</u>	

Vermont Public Power Supply Authority
Annual Revenue Requirements of PTF Facilities
for costs in 2013

Shading denotes an input

		Attachment F		
Line N		Reference	Total	Reference
	I. INVESTMENT BASE			
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	2,876,705	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	60,369	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>2,937,074</u>	
5	Accumulated Depreciation	(A)(1)(d)	1,408,648	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Recquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>1,528,426</u>	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	12,944	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u><u>1,541,370</u></u>	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	94,640	Worksheet 2
15	Depreciation Expense	(B)	108,223	Worksheet 4, line 3 column 5
16	Amortization of Loss on Recquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	43,861	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	39,377	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	64,175	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	
23	Transmission Support Revenue	(J)	0	
24	Transmission Support Expense	(K)	0	
25	Transmission Related Expense from Generators	(L)	0	
26	Transmission Related Taxes and Fees Charge	(M)		
27	Revenue for ST Trans. Service Under NEPOOL Ta	(N)		
28	Transmission Rents Received from Electric Propert	(O)		
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>350,276</u></u>	

Vermont Public Power Supply Authority
Annual Revenue Requirements
for costs in 2013

Shading denotes an input

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 1,918,125	73.06%	4.10%	3.00%	3.00%
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	707,425	26.94%	11.64%	3.14%	3.14%
TOTAL INVESTMENT	\$ <u>2,625,550</u>	<u>100.00%</u>		<u>6.14%</u>	<u>6.14%</u>

Cost of Capital Rate=

(a) Weighted Cost of $t_c = \underline{\underline{0.0614}}$

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(1 - \frac{\text{Federal Income Tax Rate}}{1} \right)}$$

=
$$\frac{0.0614 + \left(\frac{0 + 0}{1,541,370} \right) \times 0}{\left(1 - \frac{0}{1} \right)}$$

= 0.0000000

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}}}{\left(1 - \frac{\text{State Income Tax Rate}}{1} \right)}$$

=
$$\frac{0.0614 + \left(\frac{0 + 0}{1,541,370} \right) + \frac{0.0000000}{0}}{\left(1 - \frac{0}{1} \right)}$$

= 0.0000000

(a)+(b)+(c) **Cost of C:** = 0.0614000

(PTF)

INVESTMENT BASE	\$ 1,541,370	From Worksheet 1
x Cost of Capital Rate	0.0614000	
= Investment Return and In	<u>94,640</u>	To Worksheet 1

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	4,383,194		4,383,194		2,876,705	Line 1, Workshe
2	91,984	100.0000% (a	91,984	65.6303%	60,369	Page 207.99g
3	4,475,179		4,475,178		2,937,074	
<u>Transmission Plant Held for Future Use</u>						
4	0		0	65.6303%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	2,124,436		2,124,436	65.6303%	1,394,274	Page 219.25b
6	21,901	100.0000% (a	21,901	65.6303%	14,374	Page 219.27b
7	2,146,338		2,146,337		1,408,648	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	100.0000% (c,	0	65.6303%	0	Page 113.63d
9	0	100.0000% (c,	0	65.6303%	0	Page 111.68d
10	0		0		0	
<u>Transmission loss on Reacquired Debt</u>						
11	0	100.0000% (c,	0	65.6303%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a	0	65.6303%	0	Page 232.30e
13	0	100.0000% (c,	0	65.6303%	0	Page 232.21&2
14	0	100.0000% (c,	0	65.6303%	0	Page 278.1e
15	0		0		0	
<u>Transmission Prepayments</u>						
16	0	100.0000% (a	0	65.6303%	0	Page 111.57c
<u>Transmission Materials and Supplies</u>						
17	0		0	65.6303%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					39,377	Worksheet 1, Lin
20					64,175	Worksheet 1, Lin
21					0	Worksheet 1, Lin
22					103,552	
23					0.125	x 45 / 360
24					12,944	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Vermont Public Power Supply Authority

Sheet: Worksheet 4

	(1)	(2)	(3) = (1)*(2)	(4)	(5) = (3)*(4)	FERC Form 1
Line No.	Total	Wage/Plant Allocation Factors	Transmission Allocated	PTF Allocation Factor (b)	PTF Allocated	Reference for col (1)
Shading denotes an input						
<u>Depreciation Expense</u>						
1	154,398		154,398	65.6303%	101,332	Page 336.7b
2	10,500	100.0000% (a)	10,500	65.6303%	6,891	Page 336.9b
3	164,899		164,898		108,223	
4	0	100.0000% (c)	0	65.6303%	0	Page 117.64c
5	0	100.0000% (c)	0	65.6303%	0	Page 266.8f
<u>Property Taxes *</u>						
6	65,456	100.0000% (c)	65,456	65.6303%	42,959	Page 262-263 FN.1-2
7	1,374	100.0000%	1,374	65.6303%	902	Page 262-263 FN.1-2
8	66,830		66,830		43,861	
<u>Transmission Operation and Maintenance</u>						
9	59,998		59,998	65.6303%	39,377	Page 321.112b
10	0		0	65.6303%	0	Page 321.96b
11	0		0	65.6303%	0	Page 321.84 - 88b
12	0		0	65.6303%	0	Page 321.93b & .98b
13	59,998		59,998		39,377	
<u>Transmission Administrative and General</u>						
14	97,781					Page 323.197b
15	21,630					Page 323.185b
16	0					Page 323.189b
17	0					Page 323.191b
18	76,152	100.0000% (a)	76,152	65.6303%	49,979	
19	21,630	100.0000% (c)	21,630	65.6303%	14,196	
20	0	100.0000% (c)	0	65.6303%	0	
21	0	100.0000% (c)	0	65.6303%	0	
22	97,781		97,782		64,175	
23		100.0000% (a)	0	65.6303%	0	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	0
FICA	0
Medicare	0
CT Unemployment	
MA Unemployment	
MA Universal Health	
VT Unemployment	0
NH Unemployment	0
Total	0 To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

Line No.		FERC Form 1 Reference
<u>PTF Transmission Plant Allocation Factor</u>		
	VPPSA	
1	PTF Transmission Investment	
2	Total Transmission Investment	NEPOOL Catalog Page 207.58g
	2,876,705	
	4,383,194	
3	Percent Allocation (Line 1/Line 2)	
	65.6303%	
<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	
	1,848	
	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	
	1,848	
7	Total Wages and Salaries	Page 354.28b
8	Administrative and General Wages and Salaries	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	
	25,426	
	23,578	
	0	
	1,848	
11	Percent Allocation (Line 6/Line 10)	
	100.0000%	
<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	Page 207.58g
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	Page 207.99g
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	
	4,383,194	
	91,984	
	4,475,179	
15	Total Plant in Service	Page 207.104g
	4,475,179	
16	Percent Allocation (Line 14 / Line 15)	
	100.0000%	

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

TOTAL

Submitted on: RTO RC

Revenue Requirements for (year): **Calendar Yr 2013** \$ 28,275

Customer: Village of Johnson

Customer's NABs Number:

Name of Participant responsible for customer's billing:

DUNs number of Participant responsible for customer's billing:

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>0</u> (a)	<u>28,275</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u>0</u> (h)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>0</u> (e)=(a)-(b)+(c)+(d)	<u>28,275</u> (j)
 Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		 <u>28,275</u> (k) = (e) + (j)
 Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		 <u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		 <u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)		 <u>0</u> (h)
 Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		 <u><u>28,275</u></u> (l)=(k)+(b)+(c)

Village of Johnson
Annual Revenue Requirements of PTF Facilities
for costs in 2013

Shading denotes an input

Line N	I. INVESTMENT BASE	Attachment F Reference	Total	Reference
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	117,017	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		117,017	
5	Accumulated Depreciation	(A)(1)(d)	81,910	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		35,107	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	2,322	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		37,429	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	3,702	Worksheet 2
15	Depreciation Expense	(B)	2,925	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	3,070	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	17,494	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	1,084	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	
23	Transmission Support Revenue	(J)	0	
24	Transmission Support Expense	(K)	0	
25	Transmission Related Expense from Generators	(L)	0	
26	Transmission Related Taxes and Fees Charge	(M)		
27	Revenue for ST Trans. Service Under NEPOOL Ta	(N)		
28	Transmission Rents Received from Electric Propert	(O)		
29	Total Revenue Requirements (Line 14 thru 28)		28,275	

Village of Johnson
Annual Revenue Requirements
for costs in 2013

Shading denotes an input

	CAPITALIZATION 12/31/2013	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 503,186	23.44%	4.20%	0.98%	0.98%
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	1,643,558	76.56%	11.64%	8.91%	8.91%
TOTAL INVESTMENT	\$ 2,146,744	100.00%		9.89%	9.89%

Cost of Capital Rate=

(a) Weighted Cost of $t_c = \underline{\underline{0.0989}}$

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(1 - \frac{\text{Federal Income Tax Rate}}{1} \right)}$$

=
$$\frac{0.0989 + \left(\frac{0 + 0}{37,429} \right) \times 0}{\left(1 - \frac{0}{1} \right)}$$

=
$$\underline{\underline{0.0000000}}$$

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}}}{\left(1 - \frac{\text{State Income Tax Rate}}{1} \right)}$$

=
$$\frac{0.0989 + \left(\frac{0 + 0}{37,429} \right) + \frac{0.0000000}{0}}{\left(1 - \frac{0}{1} \right)}$$

=
$$\underline{\underline{0.0000000}}$$

(a)+(b)+(c) **Cost of C:** =
$$\underline{\underline{0.0989000}}$$

(PTF)

INVESTMENT BASE	\$ 37,429	From Worksheet 1
x Cost of Capital Rate	0.0989000	
= Investment Return and In	<u>3,702</u>	To Worksheet 1

Shading denotes an input

Line No.	(1) Total	fo (2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	117,017		117,017		117,017	Line 1, Workshe
2	0	100.0000% (a	0	100.0000%	0	Page 207.99g
3	117,017		117,017		117,017	
<u>Transmission Plant Held for Future Use</u>						
4	0		0	100.0000%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	81,910		81,910	100.0000%	81,910	Page 219.25b
6	0	100.0000% (a	0	100.0000%	0	Page 219.27b
7	81,910		81,910		81,910	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	100.0000% (c,	0	100.0000%	0	Page 113.63d
9	0	100.0000% (c,	0	100.0000%	0	Page 111.68d
10	0		0		0	
<u>Transmission loss on Reacquired Debt</u>						
11	0	100.0000% (c,	0	100.0000%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a	0	100.0000%	0	Page 232.30e
13	0	100.0000% (c,	0	100.0000%	0	Page 232.21&2
14	0	100.0000% (c,	0	100.0000%	0	Page 278.1e
15	0		0		0	
<u>Transmission Prepayments</u>						
16	0	100.0000% (a	0	100.0000%	0	Page 111.57c
<u>Transmission Materials and Supplies</u>						
17	0		0	100.0000%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					17,494	Worksheet 1, Lin
20					1,084	Worksheet 1, Lin
21					0	Worksheet 1, Lin
22					18,578	
23					0.125	x 45 / 360
24					2,322	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Village of Johnson

PTF Revenue Requirements
Worksheet 4a of 8

Sheet: Worksheet 4

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
Depreciation Expense						
1	2,925		2,925	100.0000%	2,925	Page 336.7b
2	0	100.0000% (a)	0	100.0000%	0	Page 336.9b
3	2,925		2,925		2,925	
Amortization of Loss on Recquired Debt						
4	0	100.0000% (c)	0	100.0000%	0	Page 117.64c
Amortization of Investment Tax Credits						
5	0	100.0000% (c)	0	100.0000%	0	Page 266.8f
Property Taxes *						
6	3,070	100.0000% (c)	3,070	100.0000%	3,070	Page 262-263 FN.1-2
7	0	100.0000%	0	100.0000%	0	Page 262-263 FN.1-2
8	3,070		3,070		3,070	
Transmission Operation and Maintenance						
9	17,494		17,494	100.0000%	17,494	Page 321.112b
10	0		0	100.0000%	0	Page 321.96b
11	0		0	100.0000%	0	Page 321.84 - 88b
12	0		0	100.0000%	0	Page 321.93b & .98b
13	17,494		17,494		17,494	
Transmission Administrative and General						
14	1,084					Page 323.197b
15	994					Page 323.185b
16	0					Page 323.189b
17	0					Page 323.191b
18	90	100.0000% (a)	90	100.0000%	90	
19	994	100.0000% (c)	994	100.0000%	994	
20	0	100.0000% (c)	0	100.0000%	0	
21	0	100.0000% (c)	0	100.0000%	0	
22	1,084		1,084		1,084	
23		100.0000% (a)	0	100.0000%	0	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	0
FICA	0
Medicare	0
CT Unemployment	
MA Unemployment	
MA Universal Health	
VT Unemployment	0
NH Unemployment	0
Total	0 To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

Line No.		FERC Form 1 Reference
<u>PTF Transmission Plant Allocation Factor</u>		
	Johnson	
1	PTF Transmission Investment	
2	Total Transmission Investment	NEPOOL Catalog Page 207.58g
3	Percent Allocation (Line 1/Line 2)	
	<u>100.0000%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	
	85	
7	Total Wages and Salaries	Page 354.28b
8	Administrative and General Wages and Salaries	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	
	85	
11	Percent Allocation (Line 6/Line 10)	
	<u>100.0000%</u>	
<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	
	117,017	
15	Total Plant in Service	Page 207.104g
	117,017	
16	Percent Allocation (Line 14 / Line 15)	
	<u>100.0000%</u>	

NEPOOL Tariff Billing
 NEPOOL Annual Transmission Revenue Requirements
 per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Shading denotes an input

TOTAL

Submitted on: _____ RTO ROE filing

Revenue Requirements for (year): **Calendar Yr 2013** \$ **14,990**

Customer: Vermont Electric Cooperative

Customer's NABs Number: _____

Name of Participant responsible for customer's billing: _____

DUNs number of Participant responsible for customer's billing: _____

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>6,605</u> (a)	<u>8,386</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u> </u> (g)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u> </u> (h)
Total of Attachment F - Section (L through O)	<u>(1)</u> (d)	<u> </u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>6,604</u> (e)=(a)-(b)+(c)+(d)	<u>8,386</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>0</u> (k) = (e) + (j)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>\$0</u> (l)	<u>\$0</u> (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>6,604</u> (n)=(e)+(l)	<u>8,386</u> (o)=(j)+(k)+(m)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements & Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest)		<u><u>14,990</u></u> (p)=(n)+(o)

**Annual Revenue Requirements of PTF Facilities
for costs in 2013**

Shading denotes an input

		Attachment F		
Line N		<u>Reference</u>	<u>Total</u>	<u>Reference</u>
	I. INVESTMENT BASE	<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	47,685	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	0	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>47,685</u>	
5	Accumulated Depreciation	(A)(1)(d)	9,068	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>38,617</u>	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	369	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u><u>38,986</u></u>	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	3,053	Worksheet 2
15	Depreciation Expense	(B)	597	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	0	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	1,671	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	1,284	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	
23	Transmission Support Revenue	(J)	0	
24	Transmission Support Expense	(K)	0	
25	Transmission Related Expense from Generators	(L)	0	
26	Transmission Related Taxes and Fees Charge	(M)		
27	Revenue for ST Trans. Service Under NEPOOL Ta	(N)		
28	Transmission Rents Received from Electric Propert	(O)		
29	Total Revenue Requirements (Line 14 thru 28)		<u><u>6,605</u></u>	

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2013		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 66,226,565	Interest on Long-Term Debt Form 1, Pg 257 Ln 33 (i)	52.70%	4.41%	2.32%	
PREFERRED STOCK	0	LT Debt - Form 1, Pg 257 Ln 33 (h) 2,919,161	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	59,448,494	Form 1 - 112-17c	47.31%	11.64%	5.51%	5.51%
TOTAL INVESTMENT	\$ 125,675,059		100.01%		7.83%	5.51%

Cost of Capital Rate=

(a) Weighted Cost of $t = \underline{\underline{0.0783}}$

(b) Federal Income Tax = $\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(1 - \text{Federal Income Tax Rate} \right)}$

= $\frac{0.0551 + \left(\frac{0 + 0}{38,986} \right) \times \text{N/A}}{\left(1 - \text{N/A} \right)}$

= VEC is a Not-for-Profit Entity

(c) State Income Tax = $\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{\left(1 - \text{State Income Tax Rate} \right)} \times \text{State Income Tax Rate}$

= $\frac{0.0551 + \left(\frac{0 + 0}{38,986} \right) + \text{N/A}}{\left(1 - 0.085 \right)} \times 0.085$

= VEC is a Not-for-Profit Entity

(a)+(b)+(c) **Cost of C:** = 0.0783000

(PTF)

INVESTMENT BASE	\$ 38,986	From Worksheet 1
x Cost of Capital Rate	0.0783000	
= Investment Return and In	<u><u>3,053</u></u>	To Worksheet 1

Sheet: Worksheet 3

Shading denotes an input

Line No.	(1) Total	fo (2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	14,708,796		14,708,796		47,685	Per Books
2	11,523,875	NA	(a)	0.3189%		Page 207.99g
3			14,708,796		47,685	
4	0		0	0.3189%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	2,046,180		2,046,180	0.3189%	9,068	Per Books
6	5,660,870	NA	(a)	0.3189%		Page 219.27b
7			2,046,180		9,068	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0		(c)	0.3189%	0	Page 113.63d
9	0		(c)	0.3189%	0	Page 111.68d
10			0		0	
11	0		(c)	0.3189%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	NA	(a)	0.3189%	0	Page 232.30e
13	0		(c)	0.3189%	0	Page 232.21&2:
14	0		(c)	0.3189%	0	Page 278.1e
15	0		0		0	
16	0	NA	(a)	0.3189%	0	Page 111.57c
17	0			0.3189%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					1,671	Worksheet 1, Li
20					1,284	Worksheet 1, Li
21						Worksheet 1, Li
22					2,955	
23					0.125	x 45 / 360
24					369	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
			0			
1	422,575		422,575	0.3189%	597	HTF Pre-97 per Books
2	1,213,877	NA	(a)	0.3189%		HTF Pre-97 per Books
3			422,575		597	
4	0	#DIV/0!	(c)	0.3189%	0	Page 117.64c
5	0	#DIV/0!	(c)	0.3189%	0	Page 266.8f
Property Taxes *						
6	0	#DIV/0!	(c)	0.3189%	0	Page 262-263 FN.1-2
7	0	NA		0.3189%	0	Page 262-263 FN.1-2
8			0		0	
Transmission Operation and Maintenance						
9	10,973,208		10,973,208	Actual	1,671	Per Books
10	9,659,754		9,659,754			Page 321.96b
11	448,981		448,981			Page 321.84 - 88b
12	47,895		47,895			Page 321.93b & .98b
13	816,577		816,577		1,671	
Transmission Administrative and General						
14	3,440,254		3,440,254	Actual	1,284	Per Books
15	0		0	0.3189%	0	Page 323.185b
16	265,470		265,470	0.3189%		Page 323.189b
17	20		20	0.3189%	0	Page 323.191b
18	3,174,764	NA	3,174,764		1,284	
19	0	#DIV/0!	(c)	#DIV/0!	0.3189%	
20	0	#DIV/0!	(c)	#DIV/0!	0.3189%	
21	0	#DIV/0!	(c)	#DIV/0!	0.3189%	
22	3,174,764		#DIV/0!		1,284	
23		NA	(a)	#VALUE!	0.3189%	Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16


(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	0
FICA	0
Medicare	0
CT Unemployment	
MA Unemployment	
MA Universal Health	
VT Unemployment	0
NH Unemployment	0
Total	0 To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

Line No.		FERC Form 1 Reference
<u>PTF Transmission Plant Allocation Factor</u>		
1	PTF Transmission Investment	
2	Total Transmission Investment	NEPOOL Catalog Page 207.58g
3	Percent Allocation (Line 1/Line 2)	
<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	
7	Total Wages and Salaries	Page 354.28b
8	Administrative and General Wages and Salaries	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	
11	Percent Allocation (Line 6/Line 10)	
<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	
15	Total Plant in Service	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	

 Shading denotes an input

I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS

Line No.

- 1 Forecasted Transmission Plant Additions
- 2 Carrying Charge Factor
- 3 Total Forecasted Revenue Requirements (Lines 1*2)

II. CARRYING CHARGE FACTOR

- 4 Investment Return and Income Taxes
- 5 Depreciation Expense
- 6 Amortization of Loss on Reacquired Debt
- 7 Investment Tax Credit
- 8 Property Tax Expense
- 9 Payroll Tax Expense
- 10 Operation & Maintenance Expense
- 11 Administrative & General Expense
- 12 Total Expenses (Lines 4 thru 11)
- 13 PTF Transmission Plant
- 14 Carrying Charge Factor (Lines 12/13)

PRIVILEGED & CONFIDENTIAL

PREPARED FOR SETTLEMENT & ILLUSTRATIVE PURPOSES ONLY

Highgate Converter

Estimated Transmission Revenue Requirements of PTF Facilities

POST-1996

<u>Period</u>	Attachment F Reference Section:	VELCO	
2014	Appendix C		\$0
	Appendix C		15.67%
			<u>\$0</u>
	(A)		\$4,110
	(B)		\$670
	(C)		\$0
	(D)		\$0
	(E)		\$0
	(F)		\$0
	(G)		\$1,875
	(H)		\$1,731
			<u>\$8,386</u>
(A)(1)(a)			<u>\$53,515</u>
			<u>15.67%</u>

Reference

Summary, line 14

Summary, line 15

Summary, line 16

Summary, line 17

Summary, line 18

Summary, line 19

Summary, line 20

Summary, line 21

Summary, line 1

VERMONT TRANSCO LLC
Forecasted Transmission Revenue Requirements of PTF Facilities
Calendar Year 2014

Description	<u>Estimated Additional PTF In Service for 2013</u>
	0
	0
	0
	<u>0</u>
Total	<u><u>0</u></u>

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2013		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 66,226,565	LT Debt - Form 1, Pg 257 Ln : 0	52.70%	4.41%	2.32%	
PREFERRED STOCK			0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	59,448,494	Form 1 - 112-17c	47.31%	11.64%	5.51%	5.51%
TOTAL INVESTMENT	\$ 125,675,059		100.01%		7.83%	5.51%

Cost of Capital Rate=

(a) Weighted Cost of $t_c =$ 0.0783

(b) Federal Income Tax = $\frac{R.O.E. + \left(\frac{PTF\ Inv. (Tax\ Credit) + Eq. AFUDC\ of\ Deprec}{PTF\ Inv. Base} \right) \times Federal\ Income\ Tax\ Rate}{1 - Federal\ Income\ Tax\ Rate}$

= $\frac{0.0551 + \left(\frac{0 + 0}{52,495} \right) \times N/A}{1 - N/A}$

= VEC is a Not-for-Profit Entity

(c) State Income Tax = $\frac{R.O.E. + \left(\frac{PTF\ Inv. (Tax\ Credit) + Eq. AFUDC\ of\ Deprec}{PTF\ Inv. Base} \right) + Federal\ Income\ Tax}{1 - State\ Income\ Tax\ Rate} \times State\ Income\ Tax\ Rate$

= $\frac{0.0551 + \left(\frac{0 + 0}{52,495} \right) + N/A}{1 - } \times 0.085000$

= VEC is a Not-for-Profit Entity

(a)+(b)+(c) **Cost of C:** = 0.0783000

(PTF)

INVESTMENT BASE	\$ 52,495	From Worksheet 1
x Cost of Capital Rate	0.0783000	
= Investment Return and In	<u>4,110</u>	To Worksheet 1

Sheet: Worksheet 3

Shading denotes an input

Line No.	(1) Total	fo (2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (
<u>Transmission Plant</u>						
1	14,953,932		14,953,932		53,515	Per Books
2	0	NA	(a)	0.3579%	0	Page 207.99g
3			14,953,932		53,515	
<u>Transmission Plant Held for Future Use</u>						
4	0		0	0.3579%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	2,046,180		2,046,180		1,471	Per Books
6	5,660,870	NA	(a)		0	Page 219.27b
7			2,046,180		1,471	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	11.4251% (c)	0	0.3579%	0	Page 113.63d
9	0	11.4251% (c)	0	0.3579%	0	Page 111.68d
10			0		0	
<u>Transmission loss on Reacquired Debt</u>						
11	0	11.4251% (c)	0	0.3579%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	NA	(a)	0.3579%	0	Page 232.30e
13	0	11.4251% (c)	0	0.3579%	0	Page 232.21&2
14	0	11.4251% (c)	0	0.3579%	0	Page 278.1e
15	0		0		0	
<u>Transmission Prepayments</u>						
16	0	NA	(a)	0.3579%	0	Page 111.57c
<u>Transmission Materials and Supplies</u>						
17	0		0	0.3579%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					1,875	Worksheet 1, Li
20					1,731	Worksheet 1, Li
21						Worksheet 1, Li
22					3,606	
23					0.125	x 45 / 360
24					451	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	FERC Form 1 Reference for col (1)
0						
Shading denotes an input						
Depreciation Expense						
1	422,575		422,575		670	HTF Post-96 per Books
2	1,213,877	NA	(a)			Page 336.10b
3			422,575		670	
4	0		(c) 0	0.3579%	0	Page 117.64c
5	NA		(c) #VALUE!	0.3579%		Page 266.8f
Property Taxes *						
6	NA		(c)	0.3579%		Page 262-263 FN.1-2
7	NA	NA		0.3579%		Page 262-263 FN.1-2
8			0		0	
Transmission Operation and Maintenance						
9	10,973,208		10,973,208	Actual	1,875	Per Books
10	9,659,754					
11	448,981		448,981		0	Page 321.84 - 88b
12	47,895		47,895		0	Page 321.93b & .98b
13	816,577		10,476,331		1,875	
Transmission Administrative and General						
14	3,440,254			Actual	1,731	Per Books
15	0					Page 323.185b
16	265,470					Page 323.189b
17	20					Page 323.191b
18	3,174,764	NA	(a) #VALUE!	0.3579%	1,731	
19	0		11.4251% (c) 0	0.3579%	0	
20	0		11.4251% (c) 0	0.3579%	0	
21	0		11.4251% (c) 0	0.3579%	0	
22	3,174,764		#VALUE!		1,731	
23		NA	(a) #VALUE!	0.3579%		Footnote (d)

* Property Taxes functionalized per FERC Form 1; therefore, no need to use Plant Allocation Factor

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) Payroll taxes FERC Form 1, page 263.i ,263.1i

Federal Unemployment	0
FICA	0
Medicare	0
CT Unemployment	
MA Unemployment	
MA Universal Health	
VT Unemployment	0
NH Unemployment	0
Total	0 To Line 23

** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.

Shading denotes an input

<u>Line No.</u>			<u>FERC Form 1 Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	53,515	NEPOOL Catalog Page 207.58g
2	Total Transmission Investment	14,953,932	
3	Percent Allocation (Line 1/Line 2)	<u>0.3579%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	0	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	0	
7	Total Wages and Salaries	0	Page 354.28b
8	Administrative and General Wages and Salaries	0	Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	0	
11	Percent Allocation (Line 6/Line 10)	<u>NA</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	14,953,932	Page 207.58g
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>		<i>Page 207.99g</i>
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	14,953,932	
15	Total Plant in Service	130,887,221	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>11.4251%</u>	

VEC Highgate Converter Project		12/31/2013	12/31/2013	12/31/2013
Pre-97		Original cost	Accum Deprec	Net Book
Land/Land Rights - Highgate	350.30	1,610.00	-	1,610.00
Transmission Line - Highgate	352.30	4,637.00	1,289.20	3,347.80
Station Equip - Highgate	353.30	39,118.93	7,250.27	31,868.66
Pole and Futures - Highgate	355.30	1,491.00	414.09	1,076.91
Overhead Cond/Devices - Highgate	356.30	828.00	114.21	713.79
Pre-97		47,684.93	9,067.76	38,617.17
Post-96				
Transmission Line - Highgate	352.30	809.88	22.26	787.63
Station Equip - Highgate	353.30	52,705.36	1,448.34	51,257.02
Post-96		53,515.24	1,470.60	52,044.64
Total		101,200.17	10,538.36	90,661.81

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Transmission Operation and Maintenance	Pre-97	Post-96	Total			
9 Operation and Maintenance				0	0.3242%	994
10 Transmission of Electricity by Others - #565	1,670.51	1,874.75	3,545.26	0	0.3242%	-
11 Load Dispatching - #561				0	0.3242%	-
12 **Station Expenses & Rents - #562 / #567				0	0.3242%	-
13 O&M less lines 10, 11 & 12				0		994
Transmission Administrative and General						
14 Administrative and General	1,284.38	1,730.97	3,015.35			1,556
Depreciation Expense						
Transmission Depreciation	596.60	669.54	1,266.14			

		12/31/213
560.00	TRANS SUPERVISION - OPER / ENGR	168,602.74
560.12	TRANS SUPERVISION - OPER (KCW-GMP)	755.10
561.00	TRANSMISSION-LOAD DISPATCHING	430,868.20
561.01	TRANSMISSION-LOAD DISPATCHING-SCADA	18,112.82
562.00	TRANSMISSION SUBSTATION - OPERATION	46,652.77
562.12	TRANSMISSION SUBSTATION-OPER (KCW-GMP)	1,242.40
563.00	OVERHEAD LINE EXPENSE - TRANSM	36,412.76
563.12	OVHD LINE EXP-TRANS-OPER (KCW-GMP)	10,581.72
563.99	O/H LINE EXP-TRANSM - PROP TAX	254,736.65
565.00	TRANSMISSION BY OTHERS	9,352,436.56
565.10	TRANSM. BY OTHERS-CZN TARIFF	262,925.20
565.30	TRANSM. BY OTHERS-HIGHGATE	3,545.26
565.40	TRANSM. BY OTHERS-METALLIC	40,846.83
566.00	MISC TRANSMISSION EXPENSE	-
568.00	SUPV-ENGR MAINT TRANSMISSION	52,631.47
568.12	TRANS SUPERVISION - MAINT (KCW-GMP)	626.29
570.00	MAINT TRANSMISSION STATION EQUIP	5,599.62
570.01	MAINT TRANSMISSION SUBSTATION-SCADA	13,908.92
570.12	TRANSMISSION SUBSTATION-MAINT (KCW-GMP)	-
571.00	MAINT OVHD LINES-TRANSMISSION	38,912.80
571.02	OVHD LINE EXP-TRANS-MAINT (KCW-GMP)	11,714.67
571.10	MAINT TRANSM LINES - BARTON ORLEANS	3,730.09
571.12	MAINT TRANS LINES-ROW (KCW-GMP)	-
571.20	MAINT TRANSM LINES - OTHER ROW	218,364.64
571.30	MTC TX LINES-BARTON/ORLEANS ROW	-
Transmission Expense		10,973,207.51

Rate Effective: July 1, 2014 - June 30, 2015

Schedule 1 - Transmission and Distribution Plant and Depreciation

Line No.	Description	Year ended: 12/31/2013	
		Utility Plant	Expense
1	Transmission Plant Original Cost	\$ 14,953,932	
2	Total Transmission Plant Accumulated Depreciation	\$ 2,046,180	
3	Net Total Transmission Plant - Net Book	\$ 12,907,752	
4	Transmission Depreciation Expense		\$ 422,757
5			
6	Distribution Plant Original Cost	\$ 104,549,649	
7	Total Distribution Plant Accumulated Depreciation	\$ 27,496,701	
8	Net Total Distribution Plant - Net Book	\$ 77,052,948	
9	Distribution Depreciation Expense		\$ 3,226,677
10			
11	Total Accounts 360, 362, 364, 365 - Original Cost	\$ 63,846,625	
12	Total Acct 362, 364, 365 Accumulated Depreciation	\$ 16,744,354	
13	Total Accounts 360, 362, 364, 365 - Net Book	\$ 47,102,271	
14	Distribution Acct 362, 364, 365 Depreciation Expense		\$ 1,964,913

Schedule 2 - Administrative & General Expense

Line No.	Description	Year ended: 12/31/2013	
		Utility Plant	Expense
1	Total Utility Plant - Original Cost	\$ 130,887,221	
2	Total Utility Plant Accumulated Depreciation	\$ 35,203,751	
3	Net Total Utility Plant - Net Book	\$ 95,683,470	
4	Administrative & General Expense		\$ 3,182,372
5	Administrative & General Percentage - Net Book (line 4 / line 3)		3.33%

16b
14 - 88b
13b & .98b

Town of Wallingford (Electric Fund)

Sheet: Input Panel

Input Panel

Regional Network Service
Annual Transmission Revenue Requirements
per Attachment F of the ISO New England Inc. Open Access Transmission Tariff

Shading denotes an input

Submitted on: 5/12/2014

Revenue Requirements for (year): 2013

Customer: Town of Wallingford (Electric Fund)

Customer's NABs Number: 51310

Name of Participant responsible for customer's billing: Thomas Sullivan

DUNs number of Participant responsible for customer's billing: 010139228

		<u>Pre-97 Revenue Requirements</u>		<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	=	<u>95,001</u> (a)		<u>579,547</u> (f)
Total of Attachment F - Section J - Support Revenue		<u>0</u> (b)		<u>0</u> (g)
Total of Attachment F - Section K - Support Expense		<u>0</u> (c)		<u>0</u> (h)
Total of Attachment F - Section L through O		<u>0</u> (d)		<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>95,001</u> (e)=(a)-(b)+(c)+(d)		<u>579,547</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements				0 (m)
Annual True-up		(16,320) (k)		(95,088) (n)
Interest Charge on Annual True-up		(544) (l)		(3,169) (o)
Total = (e) + (k) + (l) and (j) + (m) + (n) + (o)		78,137 (p)		481,290 (q)
Annual Projected 2014 Revenue Requirement Total = Sum of Pre-97 Revenue Requirements, plus Post-96 Revenue Requirements, plus Annual True-up, and plus Interest on Annual True-up:				<u><u>559,428</u></u> (r) = (p)+(q)

Town of Wallingford (Electric Fund)
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2013 and billed 06/13-05/14

RNS Rate

		Attachment F			
Line No.	I. INVESTMENT BASE	Reference	Pre 1997	Post 1996	Reference
		Section:			
1	Transmission Plant	I (A)(1)(a)	890,389	5,391,790	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	9,960	60,315	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	I (A)(1)(c)	0	0	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		<u>900,349</u>	<u>5,452,105</u>	
5	Accumulated Depreciation	I (A)(1)(d)	431,941	2,615,638	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	I (A)(1)(e)	0	0	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	I (A)(1)(f)	0	0	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	I (A)(1)(g)	0	0	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		<u>468,408</u>	<u>2,049,996</u>	
10	Prepayments	I (A)(1)(h)	81	488	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	6,552	39,677	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	-	6,479	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		<u>475,041</u>	<u>2,883,111</u>	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	38,003	230,649	Worksheet 2
15	Depreciation Expense	I (B)	38,988	236,097	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	I (C)	0	0	Worksheet 4, line 4 column 5
17	Investment Tax Credit	I (D)	0	0	Worksheet 4, line 5 column 5
18	Property Taxes	I (E)	25,771	156,059	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	0	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	4,620	27,977	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	3,939	23,853	Worksheet 4, line 22 column 5
22	Transmission Related Integrated Facilities Charge	I (I)	0	0	
23	Transmission Support Revenue	I (J)	0	0	Worksheet 7
24	Transmission Support Expense	I (K)	0	0	Worksheet 7
25	Transmission Related Expense from Generators	I (L)	0	0	
26	Transmission Related Taxes and Fees Charge	I (M)	0	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	I (N)	0	0	Txm related Acct 456
28	Transmission Rents Received from Electric Properties	I (O)	0	0	Txm related Acct 454-rent
				0	
29	Total Revenue Requirements (Line 14 thru 28)		<u>111,321</u>	<u>674,635</u>	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			0	
31	Post-2003 Enhanced Return Addition to Revenue Requirement			-	
32	Total Post-96 PTF Revenue Requirement			0	
33	Post-96 PTF Transmission Plant in Service			5,391,790	
34	Post-96 Carrying Charge Factor (Post-96 CCF)			12.1%	
35	Forecasted Post-96 PTF Plant Additions				
36	Forecasted Post-96 Localized PTF Plant Additions			0	
37	Forecasted Post-96 Pool-Supported PTF Plant Additions			0	
38	Post-96 Estimated Incremental Revenue Requirement			<u>0</u>	

RNS Rate

Town of Wallingford (Electric Fund)
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2013

1 2013 Actual Annual RR			95,001	579,547	
2 2013 Est. Transmission Revenue Requirements (as billed)	6/13-05/14	Appendix C	111,321	674,635	ATRR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)			-16,320	-95,088	

	(Overcollection)/Undercollection
Pre'97	(\$16,320)
Post'96	(\$95,088)

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2013	(\$16,320)	-\$95,088	0.27%	(\$44)	(\$257)
July 2013	(16,364)	-95,345	0.28%	-46	(\$267)
August 2013	(16,364)	-95,345	0.28%	-46	(\$267)
September 2013	(16,364)	-95,345	0.27%	-44	(\$257)
October 2013	(16,500)	-96,136	0.28%	-46	(\$269)
November 2013	(16,500)	-96,136	0.27%	-45	(\$260)
December 2013	(16,500)	-96,136	0.28%	-46	(\$269)
January 2014	(16,637)	-96,934	0.28%	-47	(\$271)
February 2014	(16,637)	-96,934	0.25%	-42	(\$242)
March 2014	(16,637)	-96,934	0.28%	-47	(\$271)
April 2014	(16,772)	-97,719	0.27%	-45	(\$264)
May 2014	(16,772)	-97,719	0.28%	-47	(\$274)
		Total Interest		-\$544	-\$3,169
		True-Up		-\$16,320	-\$95,088
		Total TU & Int		-\$16,864	-\$98,257

Sheet: Input Panel

NEPOOL Tariff Billing
NEPOOL Annual Transmission Revenue Requirements
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

PRE 97

Shading denotes an input

Submitted on: 12-May-14

Revenue Requirements for (year): Calendar Year 2013

Customer: Town of Wallingford (Electric Fund)

Customer's NABs Number: 51310

Name of Participant responsible for customer's billing: Thomas Sullivan

DUNs number of Participant responsible for customer's billing: 010139228

		<u>Pre-97 Revenue Requirements</u>		<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	=	<u>95,011</u> (a)		<u> </u> (f)
Total of Attachment F - Section J - Support Revenue		<u>0</u> (b)		<u>0</u> (g)
Total of Attachment F - Section K - Support Expense		<u>0</u> (c)		<u>0</u> (h)
Total of Attachment F - Section (L through O)		<u>0</u> (d)		<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>95,011</u> (e)=(a)-(b)+(c)+(d)		<u>0</u> (j)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 95,011 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u> (h)

Voting Share Total for Participant's R Value: 95,011 (l)=(k)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2013

Shading denotes an input

Line No.		Attachment F Reference	Wallingford	Reference
	I. INVESTMENT BASE			
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	890,390	Worksheet 3a, L10
2	General Plant	(A)(1)(b)	13,020	Worksheet 3a, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3a, L14
4	Total Plant (Lines 1+2+3)		903,410	
5	Accumulated Depreciation	(A)(1)(d)	503,148	Worksheet 3a, L19
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3a, L24
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3a, L26
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3a, L32
9	Net Investment (Line 4-5-6+7+8)		400,262	
10	Prepayments	(A)(1)(h)	0	Worksheet 3a, L34
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3a, L36
12	Cash Working Capital	(A)(1)(j)	1,234	Worksheet 3a, 44
13	Total Investment Base (Line 9+10+11+12)		401,496	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	32,120	Worksheet 2a, E56
15	Depreciation Expense	(B)	33,573	Worksheet 4a, L12
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4a, L14
17	Investment Tax Credit	(D)	0	Worksheet 4a, L16
18	Property Tax Expense	(E)	19,348	Worksheet 4a, L21
19	Payroll Tax Expense	(F)	95	Worksheet 4a, L42
20	Operation & Maintenance Expense	(G)	4,711	Worksheet 4a, L29
21	Administrative & General Expense	(H)	5,164	Worksheet 4a, L40
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7, E51
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		95,011	
			95,011	

Wallingford Electric Division

Calendar Year 2013

Shading denotes an input

	<u>CAPITALIZATION</u>		<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 1		100.00%	8.00%	8.00%	
PREFERRED STOCK	0		0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0		0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	<u>\$ 1</u>		<u>100.00%</u>		<u>8.00%</u>	<u>0.00%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \text{Federal Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 401,496}{1} \right) \times 0$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{State Income Tax Rate}}{1} \right) + \text{Federal Income Tax} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 401,496}{1} \right) + 0.0000000 \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 401,496	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>32,120</u>	To Worksheet 1

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 8,820,903		8,820,903		890,390	Worksheet 5, E12 Page 8B line 29(g)
2	\$ 9,929,430	1.2990% (a)	128,983	10.0941%	13,020	
3			8,949,886		903,410	
4	0		0	10.0941%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	4,882,778		4,882,778	10.0941%	492,872	Page 8A, line 31(g) less Page 16, line 31(g) Page 8B, line 29(g) less Page 17, line 29(g)
6	7,836,617	1.2990% (a)	101,798	10.0941%	10,276	
7			4,984,576		503,148	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	8.5379% (c)	0	10.0941%	0	None known
9	0	8.5379% (c)	0	10.0941%	0	None known
10			0		0	
11	0	8.5379% (c)	0	10.0941%	0	None known
<u>Other Regulatory Assets</u>						
12	0	1.2990% (a)	0	10.0941%	0	None known
13	0	8.5379% (c)	0	10.0941%	0	None known
14	0	8.5379% (c)	0	10.0941%	0	
15	0		0		0	
16	0	1.0000% (a)	0	10.0941%	0	Page 10, Line 26 MA DTE
17	0	8.5379%	0	10.0941%	0	Page 10, Line 24 MA DTE
<u>Cash Working Capital</u>						
19					4,711	Worksheet 1, Line 20
20					5,164	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					9,875	
23					0.125	x 45 / 360
24					1,234	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Wallingford Electric Division

Calendar Year 2013

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Depreciation Expense</u>						
1	289,091		289,091	10.0941%	29,181	Page 16, line 31(d)
2	3,349,239	1.2990% (a)	43,507	10.0941%	4,392	Page 17, line 29(d)
3			332,598		33,573	
4	0	8.5379% (c)	0	10.0941%	0	None known
5	0	8.5379% (c)	0	10.0941%	0	None known
<u>Property Taxes *</u>						
6	2,009,626	8.5379%	171,580	10.0941%	17,319	Page 21, line 33 (b)
7	2,009,626	1.0000% (a)	20,096	10.0941%	2,029	Page 21, line 33 (b)
8			191,676		19,348	
<u>Transmission Operation and Maintenance</u>						
9	46,668		46,668	0.100941	4,711	Page 40, line 50(b)
10	0		0	0.100941	0	Page 40, line 38(b)
11	0		0	0.100941	0	Page 40, line 34(b)
12	0		0	0.100941	0	Page 40, line 35(b) 40(b)
13	46,668		46,668	10.0941%	4,711	
<u>Transmission Administrative and General</u>						
14	3,696,239					Page 42, line 5(b)
15	43,448					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	0					assumed none
18	3,652,791	1.2990% (a)	47,450	10.0941%	4,790	
19	43,448	8.5379% (c)	3,710	10.0941%	374	
20	0	8.5379% (c)	0	10.0941%	0	
21	0	8.5379% (c)	0	10.0941%	0	
22	3,696,239		51,160		5,164	
23	72,124	1.2990% (a)	937	10.0941%	95	Per company workpapers

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Shading denotes an input

<u>Line No.</u>		<u>Wallingford</u>	<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	890,390	
2	Total Transmission Investment	8,820,903	Per Braintree Workpapers Page 8A, line 31(g)
3	Percent Allocation (Line 1/Line 2)	<u>10.0941%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	54,516	
5	Affiliated Company Transmission Wages and Salaries	0	See BELD General Ledger Worksheet 6 of 7
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	54,516	
7	Total Wages and Salaries	4,865,702	Page 42, line 24 (c)
8	Administrative and General Wages and Salaries	668,889	Page 41, line 43(b)
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	4,196,813	
11	Percent Allocation (Line 6/Line 10)	<u>1.2990%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	8,820,903	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	98,271	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	8,919,174	
15	Total Plant in Service	104,465,202	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	<u>8.5379%</u>	

Calendar Year 2013

Sheet: Worksheet 6 of 7

Affiliated Company Wages and Salaries

Shading denotes an input

Line		Wallingford
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 =	Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

Wallingford

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		\$0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			\$0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		\$0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		\$0
115 kV Read - Washington V148 line				
NU	345 kV 363, 369 and 394 Seabrook lines			\$0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Seabrook				\$0
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

Sheet: Input Panel

NEPOOL Tariff Billing
NEPOOL Annual Transmission Revenue Requirements
per Tariff Attachment F and NEPOOL Agreement Part 2, Section 6.3

Post - 96

Shading denotes an input

Submitted on: 12-May-14

Revenue Requirements for (year): Calendar Year 2013

Customer: Town of Wallingford (Electric Fund)

Customer's ISO Customer Number: 51310

Name of Participant responsible for customer's billing: Thomas Sullivan

DUNs number of Participant responsible for customer's billing: 010139228

	=	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I		<u> </u> (a)	<u>579,547</u> (f)
Total of Attachment F - Section J - Support Revenue		<u>0</u> (b)	<u>0</u> (g)
Total of Attachment F - Section K - Support Expense		<u>0</u> (c)	<u>0</u> (h)
Total of Attachment F - Section (L through O)		<u>0</u> (d)	<u>0</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)		<u>0</u> (e)=(a)-(b)+(c)+(d)	<u>579,547</u> (j)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 579,547 (k) = (e) + (j)

Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	<u>0</u> (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	<u>0</u> (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	<u>0</u> (h)

Voting Share Total for Participant's R Value: 579,547 (l)=(k)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2013

Shading denotes an input

		Attachment F	Wallingford	Reference
Line No.		Reference		
I. INVESTMENT BASE				
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	5,391,787	Worksheet 3a, L10
2	General Plant	(A)(1)(b)	79,418	Worksheet 3a, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3a, L14
4	Total Plant (Lines 1+2+3)		5,471,205	
5	Accumulated Depreciation	(A)(1)(d)	3,047,282	Worksheet 3a, L19
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3a, L24
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3a, L26
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3a, L32
9	Net Investment (Line 4-5-6+7+8)		2,423,923	
10	Prepayments	(A)(1)(h)	0	Worksheet 3a, L34
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3a, L36
12	Cash Working Capital	(A)(1)(j)	7,501	Worksheet 3a, 44
13	Total Investment Base (Line 9+10+11+12)		2,431,424	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	194,514	Worksheet 2a, E56
15	Depreciation Expense	(B)	203,495	Worksheet 4a, L12
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4a, L14
17	Investment Tax Credit	(D)	0	Worksheet 4a, L16
18	Property Tax Expense	(E)	120,951	Worksheet 4a, L21
19	Payroll Tax Expense	(F)	577	Worksheet 4a, L42
20	Operation & Maintenance Expense	(G)	28,526	Worksheet 4a, L29
21	Administrative & General Expense	(H)	31,484	Worksheet 4a, L40
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	0	Worksheet 7, E51
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	0	
28	Transmission Rents Received from Electric Property	(O)	0	
29	Total Revenue Requirements (Line 14 thru 28)		579,547	
			579,547	

Wallingford Electric Division

Calendar Year 2013

Shading denotes an input

	<u>CAPITALIZATION</u>		<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 1		100.00%	8.00%	8.00%	
PREFERRED STOCK	0		0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	0		0.00%	0.00%	0.00%	0.00%
TOTAL INVESTMENT RETURN	\$ 1		100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

(b) Federal Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 2,431,424}{1} \right) \times \frac{0}{0}$$

= 0.0000000

(c) State Income Tax =
$$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{State Income Tax Rate}}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$$

=
$$\left(\frac{0.0000 + (0 + 0) / 2,431,424}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital Rate** = 0.0800000

(PTF)

INVESTMENT BASE	\$ 2,431,424	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>194,514</u>	To Worksheet 1

Shading denotes an input

Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 8,820,903		8,820,903		5,391,787	Worksheet 5, E12 Page 8B line 29(g)
2	\$ 9,929,430	1.3085% (a)	129,927	61.1251%	79,418	
3			<u>8,950,830</u>		<u>5,471,205</u>	
4	0		0	61.1251%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	4,882,778		4,882,778	61.1251%	2,984,603	Page 8A, line 31(g) less Page 16, line 31(g) Page 8B, line 29(g) less Page 17, line 29(g)
6	7,836,617	1.3085% (a)	102,542	61.1251%	62,679	
7			<u>4,985,320</u>		<u>3,047,282</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	8.5379% (c)	0	61.1251%	0	None known
9	0	8.5379% (c)	0	61.1251%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	8.5379% (c)	0	61.1251%	0	None known
<u>Other Regulatory Assets</u>						
12	0	1.3085% (a)	0	61.1251%	0	None known
13	0	8.5379% (c)	0	61.1251%	0	None known
14	0	8.5379% (c)	0	61.1251%	0	
15			<u>0</u>		<u>0</u>	
16	0	1.0000% (a)	0	61.1251%	0	Page 10, Line 26 MA DTE
17	0	8.5379%	0	61.1251%	0	Page 10, Line 24 MA DTE
<u>Cash Working Capital</u>						
19					28,526	Worksheet 1, Line 20
20					31,484	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					<u>60,010</u>	
23					0.125	x 45 / 360
24					<u>7,501</u>	

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Wallingford Electric Division

Calendar Year 2013

(2)

(4)

Shading denotes an input

Line No.	(1) Total	Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	Mass DTE AR Reference for col (1)
<u>Depreciation Expense</u>						
1	289,091		289,091	61.1251%	176,707	Page 16, line 31(d)
2	3,349,239	1.3085% (a)	43,825	61.1251%	26,788	Page 17, line 29(d)
3			332,916		203,495	
4	0	8.5379% (c)	0	61.1251%	0	None known
5	0	8.5379% (c)	0	61.1251%	0	None known
<u>Property Taxes *</u>						
6	2,009,626	8.5379%	171,580	61.1251%	104,878	Page 21, line 33 (b)
7	2,009,626	1.3085% (a)	26,296	61.1251%	16,073	Page 21, line 33 (b)
8			197,876		120,951	
<u>Transmission Operation and Maintenance</u>						
9	46,668		46,668	0.611251	28,526	Page 40, line 50(b)
10	0		0	0.611251	0	Page 40, line 38(b)
11	0		0	0.611251	0	Page 40, line 34(b)
12	0		0	0.611251	0	Page 40, line 35(b) 40(b)
13	46,668		46,668	61.1251%	28,526	
<u>Transmission Administrative and General</u>						
14	3,696,239					Page 42, line 5(b)
15	43,448					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	0					assumed none
18	3,652,791	1.3085% (a)	47,797	61.1251%	29,216	
19	43,448	8.5379% (c)	3,710	61.1251%	2,268	
20	0	8.5379% (c)	0	61.1251%	0	
21	0	8.5379% (c)	0	61.1251%	0	
22	3,696,239		51,507		31,484	
23	72,124	1.3085% (a)	944	61.1251%	577	Per company workpapers

(a) Worksheet 5 of 8, line 11
 (b) Worksheet 5 of 8, line 3
 (c) Worksheet 5 of 8, line 16

Shading denotes an input

<u>Line No.</u>		<u>Wallingford</u>	<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	5,391,787	Per Wallingford Workpage Page 8A, line 31(g)
2	Total Transmission Investment	8,820,903	
3	Percent Allocation (Line 1/Line 2)	61.1251%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	54,916	See General Ledger Worksheet 6 of 7
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	54,916	
7	Total Wages and Salaries	4,865,702	Page 42, line 24 (c) Page 41, line 43(b) Worksheet 6
8	Administrative and General Wages and Salaries	668,889	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	4,196,813	
11	Percent Allocation (Line 6/Line 10)	1.3085%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	8,820,903	Line 2 Worksheet 3, Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	98,271	
14	= Revised Numerator (Line 12 + Line 13)	8,919,174	
15	Total Plant in Service	104,465,202	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	8.5379%	

Calendar Year 2013

Sheet: Worksheet 6 of 7

Affiliated Company Wages and Salaries

Shading denotes an input

Line		Wallingford
"Affiliated" Transmission Wages and Salaries		
#560 - 573		
1	560	0
2	562	0
3	564	0
4	566	0
5	568	0
6	569	0
7	570	0
8	571	0
9	572	0
10	573	0
11 = 1 thru 10	Total Transmission	0
12 =	Total "Affiliated" Wages and Salaries	0
Less "Affiliated" Administrative and General Salaries		
#920 - 935		
13	920	0
14	921	0
15	923	0
16	925	0
17	926	0
18	928	0
19	930	0
20	935	0
21 = 13 thru 20		0
22 = 12 less 21	Total "Affiliated" less A&G	0

Input Revenues associated with the PTF Supporting Facilities in columns (a) and expenses associated with the facilities in columns (b). The totals are then linked to Worksheet 1, Lines 23 and 24.

Participant	PTF Supporting Facilities	FERC Form 1	TOTAL	
			Revenues (a)	Expenses (b)
BECO	345 kV Sherman - Medway 336 line			
	115 kV Somerville 402 Substation			
	115/345 kV North Cambridge 509 Substation			
	345 kV Golden Hills -Mystic 389 (x&y) line			
	West Medway 345 kV breaker			
	115 kV Millbury-Medway 201 line			
	HQ Phase II - AC in MA	332.(g); [332.1(g) for HWP]		\$0
	345 kV "stabilizer" 342 line			
	345 kV Walpole - Medway 325 line			
	345 kV Carver - Walpole 331 line			
	345 kV Jordan Rd - Canal 342 line			
CEC	Second Canal line			
	345 kV Pilgrim-Bridgewater - 355 line			
	345 kV Myles Standish - Canal 342 line			
CMP	345 kV Buxton-South Gorham 386 line			
	115 kV Wyman 164-167 lines			
	115 kV Maine Yankee transmission	332.1(g)		
EUA	345 kV Carver - Walpole 331 line			
	345 kV Medway - Bridgewater 344 Line			
	Northern Rhode Island transmission			
NEP	Chester SVC			\$0
	Comerford 115 kV Substation			
	345 kV Sandy-Tewksbury 337 line			
	345 kV Tewksbury-Woburn 338 line			
	115 kV Tewksbury - Woburn M139 line			
NEP	115 kV Tewksbury - Woburn N140 line			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		\$0
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		\$0
	115 kV Read - Washington V148 line			
NU	345 kV 363, 369 and 394 Seabrook lines			\$0
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Seabrook				\$0
Total =			0	0

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 21, Column 5)

**Summary of Forecasted Transmission Revenue Requirements
Associated with Projected PTF and CWIP Additions for 2014**

**June 1, 2014 RNS Rates
Regional Forecast Summary**

	(A)	(B)	(C)	(D) = (C) / Load
	Participating Transmission Owner	Total Estimated 2014 PTF Capital Costs (\$)	Forecasted PTF Revenue Requirement (\$)	6/1/14 RNS Rate Impact (\$/kW-yr.)
1	Central Maine Power	\$ 127,779,673	\$ 22,005,717	1.05237
2	Connecticut Transmission Municipal Electric Energy Cooperative	\$ 96,679	\$ 8,804	0.00042
3	Emera Maine	\$ 6,070,503	\$ 917,814	0.04389
4	New England Power	\$ 364,860,983	\$ 54,717,557	2.61674
5	New Hampshire Transmission	\$ 1,937,610	\$ 381,696	0.01825
6	Northeast Utilities	\$ 383,254,000	\$ 59,677,000	2.85391
7	NSTAR	\$ 89,901,000	\$ 12,505,229	0.59803
8	United Illuminating	\$ 15,000,000	\$ 2,876,192	0.13755
9	Vermont Transco	\$ 28,000,000	\$ 5,210,237	0.24917
10	All Remaining PTO's	\$ 5,450,729	\$ 736,458	0.03522
11	Total (Sum Line 1 -10)	\$ 1,022,351,177	\$ 159,036,704	7.60556
12	2013 RTO-NE 12 -CP RNS Load:		20,910,580	kW

Annual True-up Summary

**June 1, 2014 RNS Rates
Annual True-up Summary**

	(A)	(B)	(C)	(D) = (C) - (B)	(E)	(F) = (D) + (E)	(G) = (F) / Load
	Participating Transmission Owner	RNS Rev Req's 2012 Actual + 2013 Forecast (As Billed)	RNS Rev Req'ts 2013 Actual (For True-up)	Difference (overcollection), undercollection	Interest on Difference	Annual True Up and Associated Interest	6/1/14 RNS Rate Impact (\$/kW-yr.)
1	Central Maine Power	\$ 222,848,635	\$ 226,148,084	\$ 3,299,449	\$ 109,949	\$ 3,409,398	0.16305
2	Connecticut Transmission Municipal Electric Energy Cooperative	\$ 8,052,795	\$ 7,985,657	\$ (67,138)	\$ (2,236)	\$ (69,374)	(0.00332)
3	Emera Maine	\$ 51,558,948	\$ 50,964,143	\$ (594,805)	\$ (19,821)	\$ (614,626)	(0.02939)
4	New England Power	\$ 307,316,420	\$ 299,669,160	\$ (7,647,260)	\$ (254,832)	\$ (7,902,092)	(0.37790)
5	New Hampshire Transmission	\$ 13,217,168	\$ 19,387,214	\$ 6,170,046	\$ 205,607	\$ 6,375,653	0.30490
6	Northeast Utilities	\$ 686,686,953	\$ 648,326,243	\$ (38,360,710)	\$ (1,278,306)	\$ (39,639,016)	(1.89564)
7	NSTAR	\$ 198,592,388	\$ 213,121,512	\$ 14,529,124	\$ 484,159	\$ 15,013,283	0.71798
8	United Illuminating	\$ 126,447,069	\$ 119,997,626	\$ (6,449,443)	\$ (214,917)	\$ (6,664,360)	(0.31871)
9	Vermont Transco	\$ 127,219,737	\$ 136,098,132	\$ 8,878,395	\$ 295,857	\$ 9,174,252	0.43874
10	All Remaining PTO's	\$ 18,694,142	\$ 20,249,514	\$ 1,555,372	\$ 51,882	\$ 1,607,254	0.07686
11	Total (Sum of Line 1-10)	\$ 1,760,634,255	\$ 1,741,947,285	\$ (18,686,970)	\$ (622,658)	\$ (19,309,628)	(0.92343)
12	2013 RTO-NE 12-CP RNS Load:		20,910,580	kW			

**Schedule 1 Rates Effective June 1, 2014 – May 31, 2015
Based on 2013 Data**

SUMMARY

**ISO NE Transmission, Markets & Services Tariff
OATT Regional Schedule 1 - Scheduling System Control and Dispatch Service Rate
Effective June 1, 2014 - May 31, 2015**

1	Total of FERC account 561-561.4 (exclude ME, REMVEC, CONVEX /ESCC costs)	\$ 14,119,089	1
2	Less ISO & OATT Sch 1 costs included in above accounts	1,976,914	2
3	Sub-total (1-2)	12,142,175	3
4	Amount allocated to transmission function	12,142,175	4
5	Transmission related S&D costs from SCADA or other systems	7,361,664	5
6	Sub-total (4+5)	19,503,839	6
7	PTF allocation factors (see page 2 for details)	79.5892%	7
8	Sub-total after applying PTF allocation factors (from page 2)	15,522,949	8
9	Maine LCC costs	3,436,400	9
10	REMVEC II costs	1,192,071	10
11	CONVEX costs	16,468,859	11
12	Sub-total (9+10+11)	21,097,330	12
13	100% allocated to transmission function	21,097,330	13
14	Revenues credited for short-term Transmission Service	(1,166,268)	14
15	Total transmission related system & dispatch revenue requirement (8+13+14)	35,454,011	15
16	12 month CP LOAD (kW) as defined in section 46.1 of the ISO-NE Tariff	20,910,580	16
17	Long Term Firm PTP Capacity (kW)	-	17
18	Scheduling System Control and Dispatch Service Rate (\$/kW-YR): (15/(16+17))	\$ 1.69551	18

ISO NE Transmission, Markets & Services Tariff																					
OATT Regional Schedule 1 - Scheduling System Control and Dispatch Service Rate																					
Effective June 1, 2014 - May 31, 2015																					
Customer #	DUNS	DUNS Name	1 Total of FERC acct 561 - 561.4 (exclude ME, REMVEC, CONVEX/ESCC costs)	2 Less Reg Sch 1 & ISO costs included in Column 1 accounts	3 Sub-total (1-2)	4 100% allocated to transmission function	5 Transmission related S&D costs from SCADA or other Local Control Centers	6 Sub-total (4+5)	7 PTF Allocation Factor	8 Sub-total (6x7)	9 Maine LCC - PTF RELATED SCH 1 REV REQ'TS.	10 REMVEC II Costs	11 CONVEX/ESCC Costs	12 Sub-total (9+10+11)	13 100% allocated to transmission function	14 Revenues credited for short-term transmission service must be negative	15 TOTAL (8+13+14)	16 SCHEDULE 1 Revenue Allocation %			
1	5	17-057-1897	Braintree Electric Light Department		-	-		-		-				8,574	8,574	(252)	8,322	1	0.02347%	Braintree	
2	6	00-694-8954	Central Maine Power Company		-	-		-		-	2,983,207			2,983,207	2,983,207	(121,142)	2,862,065	2	8.07261%	CMP	
3	2	00-694-9002	Emera Maine	884,601	884,601	884,601		884,601	73.3219%	648,606	304,736			304,736	304,736		953,342	3	2.68895%	EM	
4	38	00-695-4317	Fitchburg Gas and Electric Light Company	217,987	142,351	75,636		75,636	38.4018%	29,045				10,020	10,020	(354)	38,711	4	0.10919%	FG&E	
5	45	10-775-5126	Hudson Light & Power Department			-		-		-		6,151		6,151	6,151	(181)	5,970	5	0.01684%	Hudson	
6	6	06-099-4258	Maine Electric Power Company	1,083		1,083		1,083	100.0000%	1,083	148,457			148,457	148,457	(6,366)	143,174	6	0.40383%	MEPCO	
7	76	07-172-4900	Massachusetts Municipal Wholesale Electric			-		-		-		59,778		59,778	59,778	(1,757)	58,021	7	0.16365%	MMWEC	
8	79	15-597-6665	Middleborough Gas & Electric Department			-		-		-		2,719		2,719	2,719	(80)	2,639	8	0.00744%	Middleboro	
9	81	00-695-2881	New England Power Company	7,560,635		7,560,635		7,560,635	73.0227%	5,520,980		1,084,353		1,084,353	1,084,353	(301,954)	6,303,379	9	17.77903%	NGRID	
10			Connecticut Light & Power Company	88,250		88,250		88,250	88.4217%	78,032			15,182,405	15,182,405	15,182,405	(449,780)	14,810,657	10	41.77428%	CL&P	
11			Public Service of New Hampshire	113,238		113,238		113,238	92.5652%	104,819			1,286,454	1,286,454	1,286,454	(38,874)	1,352,399	11	3.81452%	PSNH	
12			Western Massachusetts Electric Co.	35,608		35,608		35,608	93.2293%	33,197			-	-	-	(1,276)	31,921	12	0.09003%	WMECO	
13	112	95-910-8929	Northeast Utilities	237,096	-	237,096	237,096	237,096		216,048			16,468,859	16,468,859	16,468,859	(489,930)	16,194,977	13	45.67883%	Total submitted by NU	
14	3	00-695-1552	NSTAR Electric Company			-		-		-	7,361,664			7,361,664	7,361,664	(165,780)	6,232,610	14	17.57942%	NSTAR	
15	148	86-703-4654	Reading Municipal Light Plant			-		-		-		9,020		9,020	9,020	(265)	8,755	15	0.02469%	Reading	
16	153	04-661-6033	Taunton Municipal Light Plant			-		-		-		11,456		11,456	11,456	(337)	11,119	16	0.03136%	Taunton	
17	181	00-691-7967	United Illuminating Company	1,852,139	1,834,563	17,576		17,576	89.0326%	15,648				-	-	(549)	15,099	17	0.04259%	UI	
18	50853	78-039-9163	Vermont Transco LLC	3,365,548		3,365,548		3,365,548	80.0211%	2,693,149				-	-	(77,321)	2,615,828	18	7.37809%	VT Transco	
19			TOTALS	\$ 14,119,089	\$ 1,976,914	\$ 12,142,175	\$ 12,142,175	\$ 7,361,664	\$ 19,503,839	79.5892%	\$ 15,522,949	\$ 3,436,400	\$ 1,192,071	\$ 16,468,859	\$ 21,097,330	\$ 21,097,330	\$ (1,166,268)	\$ 35,454,011	19	100.00%	TOTALS

ISO NE Transmission, Markets & Services Tariff
OATT Regional Schedule 1 - Scheduling System Control and Dispatch Service Rate
Effective June 1, 2014 - May 31, 2015
(Reflecting 2013 Schedule 1 Costs)

COMPANY	SCHEDULE 1 DISTRIBUTION %
Braintree Electric Light Department	0.02347%
Central Maine Power Company	8.07261%
Emera Maine	2.68895%
Fitchburg Gas and Electric Light Company	0.10919%
Hudson Light & Power Department	0.01684%
Maine Electric Power Company	0.40383%
Massachusetts Municipal Wholesale Electric	0.16365%
Middleborough Gas & Electric Department	0.00744%
New England Power Company	17.77903%
Northeast Utilities	45.67883%
NSTAR Electric Company	17.57942%
Reading Municipal Light Plant	0.02469%
Taunton Municipal Light Plant	0.03136%
United Illuminating Company	0.04259%
Vermont Transco LLC	7.37809%
TOTAL =	100.00%

**PTOs' Annual Revenue Requirement Calculations
Pursuant to Schedule 1 and based on 2013 Data**

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

ISO-NE Tariff Billing
System Control and Dispatch Service Local Control Center Revenue Requirements
per Appendix B of the Rule Implementing the Schedule 1 Rate Surcharge

Effective:	<u>6/1/2014</u>
Submitted on:	<u>5/12/2014</u>
Revenue Requirements for (year):	<u>Unadjusted Test Year ended 12/31/2013</u>
Customer:	<u>Central Maine Power Company</u>
Customer's NABs Number:	<u>06</u>
Name of Participant responsible for customer's billing:	<u>Central Maine Power Company</u>
DUNs number of Participant responsible for customer's billing:	<u>006948954</u>

		2013 Revenue Requirements
Total of Appendix A - Sections A through I	=	<u>\$ 5,754,649</u> (a)
Total of Appendix A - Section J - Support Revenue		<u>412,306</u> (b)
Total Annual Revenue Requirement		<u>\$ 5,342,343</u> (c)=(a)-(b)
Transmission Related Revenue Requirement		<u>\$ 5,342,343</u> (d)= (c)* Satellite Wages & Salaries Allocation Factor
PTF Related Revenue Requirement		<u>\$ 2,983,207</u> (e)= (d)* Satellite PTF Allocation Factor

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

Line No	II. INVESTMENT BASE	Formula Reference		Reference
		<i>Section:</i>		
1	Local Control Center Plant	II (A)(1)(a)	\$ 23,134,449	Worksheet 3, line 1 column 3
3	Plant Held For Future Use	II (A)(1)(b)	<u>1,808</u>	Worksheet 3, line 3 column 3
4	Total Plant (Lines 1+2+3)		23,136,257	
5	Accumulated Depreciation	II (A)(1)(c)	(14,272,137)	Worksheet 3, line 5 column 3
6	Accumulated Deferred Income Taxes	II (A)(1)(d)	(3,884,545)	Worksheet 3, line 10 column 3
7	Loss On Reacquired Debt	II (A)(1)(e)	15,523	Worksheet 3, line 12 column 3
8	Other Regulatory Asssets	II (A)(1)(f)	<u>2,622,162</u>	Worksheet 3, line 17 column 3
9	Net Investment (Line 4-5-6+7+8)		7,617,260	
11	Prepayments	II (A)(1)(g)	31,666	Worksheet 3, line 19 column 3
12	Materials & Supplies	II (A)(1)(h)	91,189	Worksheet 3, line 21 column 3
13	Cash Working Capital	II (A)(1)(i)	<u>478,830</u>	Worksheet 3, line 28 column 3
14	Total Investment Base (Line 9+11+12+13)		<u>\$ 8,218,945</u>	
	II. REVENUE REQUIREMENTS			
15	Investment Return and Income Taxes	II (A)	\$ 1,139,848	Worksheet 2, line 44
16	Depreciation Expense	II (B)	664,389	Worksheet 4, line 1 column 3
17	Amortization of Loss on Reacquired Debt	II (C)	4,958	Worksheet 4, line 3 column 3
18	Investment Tax Credit	II (D)	(6,160)	Worksheet 4, line 5 column 3
19	Municipal Taxes	II (E)	120,977	Worksheet 4, line 7 column 3
20	Payroll Taxes	II (F)	-	Worksheet 4, line 9 column 3
21	Operation & Maintenance Expense	II (G)	3,143,069	Worksheet 4, line 16 column 3
22	Administrative & General Expense	II (H)	687,568	Worksheet 4, line 22 column 3
24	Transmission Support Revenue	II (I)	<u>(412,306)</u>	Worksheet 11, line 6
30	Total Revenue Requirements (Line 15 thru 29)		<u>\$ 5,342,343</u>	
	Local Control Center Wages and Salaries Allocation Factor		<u>100.00%</u>	Worksheet 5, line 20
	Transmission Related Revenue Requirement		<u>\$ 5,342,343</u>	
	Local Control Center PTF Allocation Factor		<u>55.84%</u>	Worksheet 5, line 29
	PTF Transmission Related Revenue Requirement		<u>\$ 2,983,207</u>	

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

	<u>CAPITALIZATION 12/31/2013</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>COST OF CAPITAL</u>	<u>EQUITY PORTION</u>	
1 LONG-TERM DEBT	\$ 949,500,000	39.346%	5.040%	1.983%		Worksheet 9, line 5
2 PREFERRED STOCK	571,300	0.024%	6.000%	0.001%	0.001%	Worksheet 9, line 6
3 COMMON EQUITY	<u>1,463,126,530</u>	<u>60.630%</u>	11.640%	<u>7.057%</u>	<u>7.057%</u>	Worksheet 9, line 7
4						
5 TOTAL INVESTMENT RETURN	<u>\$ 2,413,197,830</u>	<u>100.00%</u>		<u>9.041%</u>	<u>7.058%</u>	
6						
7 New Inv Adder Calc.		60.630%	0.50%	0.303%	0.303%	0.512% including FIT&SIT
8						
9 Cost of Capital Rate=						
10						
11 (a) Weighted Cost of Capital	=	<u>9.041%</u>				

12						
13		Satellite Inv.	Equity AFUDC			
14 (b) Federal Income Tax	=	($\frac{\text{R.O.E.} + (\text{Tax Credit -w/s 1, line 18})}{1}$	+ $\frac{\text{w/s 10, line 47}}{\text{Satellite Inv. Base}}$	) /	( $\frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$	) x
15		($\frac{7.058\%}{1}$	+ ($\frac{(6,160)}{8,218,945}$	+ $\frac{1,670}{8,218,945}$) /	($\frac{35.000\%}{35.000\%}$	) x
16						
17						
18						
19						
20						
	=					
		<u>3.771%</u>				

21						
22		Satellite Inv.	Eq. AFUDC			
23 (c) State Income Tax	=	($\frac{\text{R.O.E.} + (\text{Tax Credit} + \text{of Deprec. Exp.})}{1}$	+ $\frac{\text{w/s 10, line 47}}{\text{Satellite Inv. Base}}$	) /	( $\frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}}$	) + $\frac{\text{State Income Tax Rate}}{\text{Rate}}$
24		($\frac{7.058\%}{1}$	+ ($\frac{(6,160)}{8,218,945}$	+ $\frac{1,670}{8,218,945}$) /	($\frac{3.771\%}{8.930\%}$	) + $\frac{8.930\%}{8.930\%}$
25						
26						
27						
28						
29						
30						
31						
32						
33 (a)+(b)+(c) Cost of Capital Rate	=					
34						
35						
36						
37						
		<u>1.057%</u>				

33 (a)+(b)+(c) Cost of Capital Rate = 13.869%

	<u>Satellite</u>	<u>post 2003 ptf (Incremental Return Calc)</u>	<u>Investment Return & Taxes including Incremental Return</u>
38			
39			
40 INVESTMENT BASE	\$ 8,218,945	-	
41			
42 x Cost of Capital Rate	<u>13.869%</u>	<u>0.512%</u>	
43			
44 = Investment Return and Income Taxes	<u>\$ 1,139,848</u>	<u>-</u>	<u>\$ 1,139,848</u> w/s 1 line 15

<u>Investment Base Calculation for Incremental Return</u>		
Post 2003 Inv	= \$	-
Deprec Res	-	-
ADITs	-	-
Investment Base	\$	<u>-</u>

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

Line No.	(1) Total	(2) Allocation Factors	(3) = (1)*(2) Local Control Center Allocated	Schedule 1 Rate Worksheet or FERC Form 1 Reference for col (1) or (3)
1	\$ 23,134,449	100.00%	\$ 23,134,449	Worksheet 6, c.(a) l.17
2				
3	209,797	0.8616% (a)	1,808	Worksheet 11, line 1
4				
5	(14,272,137)	100.00%	(14,272,137)	Worksheet 6, c.(b) l.17
6				
7				
8	(507,110,770)	0.8616% (a)	(4,369,266)	Worksheet 11, line 3
9	56,258,195	0.8616% (a)	484,721	Worksheet 11, line 2
10	<u>(450,852,575)</u>		<u>(3,884,546)</u>	
11				
12	1,801,635	0.8616% (a)	15,523	Page 111.81c
13				
14				
15	6,097,501	4.2639% (b)	259,991	Page 232.1, lines 37, C. f
16	274,160,955	0.8616% (a)	2,362,171	FF1 Pg 232.2, L.2, C.f - FF1 Pg 278, L.26, C.f
17	<u>\$ 280,258,456</u>		<u>\$ 2,622,162</u>	
18				
19	3,675,311	0.8616% (a)	31,666	Page 111.57c - \$32,998,240 for accrued taxes
20				
21	10,583,658	0.8616% (a)	91,189	Worksheet 11, line 4
22				
23				
24			3,143,069	Worksheet 1, Line 21
25			687,568	Worksheet 1, Line 22
26			<u>3,830,637</u>	
27			0.125	x 45 / 360
28			<u>\$ 478,830</u>	

(a) Worksheet 5, line 37

(b) Worksheet 5, line 11

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

Line No.		(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Local Control Center Allocated	Worksheet or FERC Form 1 Reference for col (1)
1	<u>Local Control Center Depreciation Expense</u>	\$ 664,389	100.0000%	\$ 664,389	Worksheet 6, c.d, l. 17
2					
3	<u>Amortization of Loss on Reacquired Debt</u>	575,438	0.8616% (b)	4,958	Page 117.64c
4					
5	<u>Amortization of Investment Tax Credits</u>	(714,950)	0.8616% (b)	(6,160)	Page 266.8.f
6					
7	<u>Local Control Center Property Taxes</u>	14,040,985	0.8616% (b)	120,977	w/s 11, line 5
8					
9	<u>Payroll Taxes (c)</u>	-	4.2639% (a)	0	
10					
11	<u>Operation and Maintenance</u>				
12	System Control and Load Dispatch - #556	-			Page 321.77b
13	Load Dispatching - #561 - 561.4	3,143,069			Page 321.84 thru 88 & ws 7
14	Load Dispatching - #581	-			581 excluded from Transmission
15	Less expenses incurred under ISO Tariff	-			ISO Tariff costs charged to 565
16	O&M - line 12+13+14-15	<u>\$ 3,143,069</u>	100.0000%	<u>\$ 3,143,069</u>	
17					
18	<u>Administrative and General</u>				
19	A & G subject to Wage & Salaries Allocation Factor	16,041,342	4.2639% (a)	683,987	Worksheet 8, line 32
20	A & G subject to Plant Allocation Factor	415,616	0.8616% (b)	3,581	Worksheet 8, line 35
21	A & G directly assigned to Local Control Center	-	100.0000%	-	
22	A&G (lines 19+20+21)	<u>\$ 16,456,958</u>		<u>\$ 687,568</u>	

(a) Worksheet 5, line 11

(b) Worksheet 5, line 37

(c) Payroll taxes - FERC Form 1, page 263 lines 3,5&9 col i&l are recorded in acc't 184 and then cleared and properly functionalized to the appropriate accounts.

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

Sch. 1 Rate
Worksheet or
FERC Form 1
Reference

Line No.			Sch. 1 Rate Worksheet or FERC Form 1 Reference
1			
2	<u>Wages and Salaries Allocation Factor</u>	<u>2013</u>	
3			
4	Total Local Control Center Direct Wages and Salaries	\$ 1,721,555	worksheet 7, c.(c).l.5
5			
6	Total Wages and Salaries	46,389,250	Page 354.28b
7	Administrative and General Wages and Salaries	6,013,656	Page 354.27b
8	Affiliated Company Wages and Salaries less A&G	-	
9	Total Wages and Salaries net of A&G (line 6-7)	<u>40,375,594</u>	
10			
11	Percent Allocation (lines 4 / 9)	<u><u>4.2639%</u></u>	
12			
13			
14	<u>Local Control Center Wages and Salaries Allocation Factor</u>		
15			
16	Total Transmission Local Control Center Direct Wages and Salaries	\$ 1,721,555	worksheet 7, c.(c).l.5
17			
18	Total Local Control Center Direct Wages and Salaries	<u>1,721,555</u>	line 4 above
19			
20	Percent Allocation (lines 16/18)	<u><u>100.0000%</u></u>	
21			
22			
23	<u>Local Control Center PTF Allocation Factor</u>		
24			
25	Total Local Control Center PTF Direct Wages and Salaries	\$ 961,331	worksheet 7, c.(d).l.2
26			
27	Total Transmission Local Control Center Direct Wages and Salaries	<u>1,721,555</u>	line 4 above
28			
29	Percent Allocation (line 25/27)	<u><u>55.8408%</u></u>	
30			
31			
32	<u>Local Control Center Plant Allocation Factor</u>		
33			
34	Total Investment in Local Control Center Plant	23,134,449	worksheet 6, c.(a).l.17
35	Total Plant in Service	2,684,984,908	Page 207.104g
36			
37	Percent Allocation (lines 34/35)	<u><u>0.8616%</u></u>	

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

12/31/2013					
<u>PROPERTY DESCRIPTION</u>	<u>COST</u>	<u>RESERVE</u>	<u>2013 DEPRECIATION</u>	<u>ref</u>	
	(a)	(b)	(c)		
1 FURNITURE & EQUIPMENT	\$ 2,480,122	\$ 571,026	\$ 161,696		Fixed Assets
2 STRUCTURE COSTS & MAP BOARDS	5,250,390	1,984,935	123,453		Fixed Assets
3 UPS	284,858	179,776	10,550		Fixed Assets
4 COMMUNICATION EQUIPMENT	772,770	641,663	55,873		Fixed Assets
5 EMS HARDWARE	1,885,690	1,834,871	193,715		Fixed Assets
6 EMS SOFTWARE	7,929,600	7,905,934	5,745		Fixed Assets
7 S/S & GEN STA. RTUs & SCADA	4,531,019	1,153,932	113,357		Fixed Assets
<hr/>					
8 TOTALS	<u>\$ 23,134,449</u>	<u>\$ 14,272,137</u>	<u>\$ 664,389</u>		

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

FERC ACCT	TOTAL EXPENSE	P/R OH & OTHER EXPENSES	SALARIES & WAGES	PTF SALARIES & WAGES	NON-PTF SALARIES & WAGES
	(a)	(b)	(c)	(d)	(e)
1 561.1 Load Dispatch-Reliability	\$ 673,046	\$ 253,749	\$ 419,297	\$ 234,139	\$ 185,158
2 561.2 Load Dispatch-Monitor & Operate Transmission System	2,456,517	1,154,259	1,302,258	727,192	575,066
3 561.3 Load Dispatch-Transmission Service & Scheduling	13,506	13,506	-	-	-
4 561.4 Scheduling, System Control & Dispatch Services	-	-	-	-	-
5 TOTAL	<u>\$ 3,143,069</u>	<u>\$ 1,421,514</u>	<u>\$ 1,721,555</u>	<u>\$ 961,331</u>	<u>\$ 760,224</u>

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

Acc't	Description	Amount	
1	920 Administrative and General Salaries	\$ 7,996,238	
2	921 Office Supplies and Expenses	3,063,499	
3	922 Less Administrative Expenses Transferred - Credit	(505,998)	
4	923 Outside Services Employed	31,397,588	
5	924 Property Insurance	415,616	
6	925 Injuries and Damages	1,081,660	
7	926 Employee Pensions and Benefits	(6,582,691)	
8	928 Regulatory Commissions Expense	9,172,452	
9	930.1 General Advertising	655,636	
10	930.2 Miscellaneous General Expense	(1,487,452)	
11	931 Rents	1,228,520	
12	935 Maintenance of General Plant	<u>3,105,466</u>	
13	Total Admin & Gen'l Exp.	<u>\$49,540,534</u>	Page 323.197b
14	FERC assessments - Transmission (directly assigned)	1,047,576	
15	FERC assessments - Satellite (directly assigned)	-	to worksheet 4, line 21
16	FERC assessments - subject to plant allocation factor	-	FF1 page 350.d
17	TOTAL FERC ASSESSMENTS (14+15)	<u>1,047,576</u>	FF1 page 350.d
18	State assessments - Satellite (directly assigned)	29,474	
19	Total State & other Assessments	<u>8,124,876</u>	FF1 page 350.d
20	928 Total Regulatory Commissions Expense: (16+18) & from line 8	<u>\$ 9,172,452</u>	FF1 page 323.189.b
21	General Advertising - Transmission related	-	
22	Non-Satellite related General Advertising Exp.	655,636	
23	930.1 Total General Advertising Exp. (line 9)	<u>\$ 655,636</u>	
Summary of Schedule 1 Treatment of A&G			
24	Total A&G (line 13)	49,540,534	
25	923 less Outside Services	31,397,588	
26	924 less Property Insurance (line 5)	415,616	
27	928 less Regulatory Commissions Exp. (line 19)	9,172,452	
28	930.1 less Non-Trans. General Advertising Exp. (line 9)	655,636	
29	930.2 less Miscellaneous General Expense	(1,487,452)	
30	920-93 less EPRI Expenses	-	
31	926 less pension credit directly assigned to T&D	<u>(6,654,648)</u>	MPUC Docket Nos. 2007-215/2008-111
32	A&G subject to Wages and Salaries Allocation Factor:	<u>\$16,041,342</u>	to ws 4, line 19, col. 1
33	Property Insurance (line 5)	415,616	
34	Regulatory Commissions Exp. - FERC assessments (line 15)	-	
35	Total A&G subject to Plant Allocation Factor	<u>\$ 415,616</u>	to ws 4, line 20, col. 1

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

	<u>CAPITALIZATION 12/31/13</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>ANNUAL INTEREST</u>	<u>COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
1 MED-TERM NOTES	\$ 305,000,000	12.639%	5.402%	\$ 16,476,100		
2 POLLUTION CONTROL NOTES	19,500,000	0.808%	5.594%	1,090,895		
3 FAME	-	0.000%	0.000%	-		
4 MORTGAGE BONDS	<u>625,000,000</u>	<u>25.899%</u>	<u>4.681%</u>	<u>29,256,250</u>		
5 TOTAL LONG-TERM DEBT	949,500,000	39.346%	5.040%	\$ 46,823,245	1.983%	
6 PREFERRED STOCK	571,300	0.024%	6.000%		0.001%	0.001%
7 COMMON EQUITY	<u>1,463,126,530</u>	<u>60.630%</u>	11.640%		<u>7.057%</u>	<u>7.057%</u>
8 TOTAL INVESTMENT RETURN	<u>\$ 2,413,197,830</u>	<u>100.00%</u>			<u>9.041%</u>	<u>7.058%</u>

Capitalization excludes short term debt(i.e. Revolving Credit Agreement)

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

Source: USS

	<u>Vintage</u>	<u>Cost</u>	<u>AFUDC</u>	<u>% of Total</u>
	Transmission Assets:			
1	1953-1970	no afudc data available		
2	1971	\$ 16,993,929	\$ 210,398	1.24%
3	1972	1,354,874	-	0.00%
4	1973	2,530,521	21,837	0.86%
5	1974	3,929,745	200	0.01%
6	1975	4,626,387	38,383	0.83%
7	1976	6,559,880	76,909	1.17%
8	1977	5,885,933	86,351	1.47%
9	1978	17,338,606	444,301	2.56%
10	1979	4,115,534	14,481	0.35%
11	1980	7,717,864	28,543	0.37%
12	1981	3,806,576	45,143	1.19%
13	1982	3,336,346	16,508	0.49%
14	1983	5,462,226	107,741	1.97%
15	1984	6,543,576	188,256	2.88%
16	1985	2,153,012	13,995	0.65%
17	1986	4,063,381	72,616	1.79%
18	1987	6,308,982	70,120	1.11%
19	1988	8,616,426	96,074	1.12%
20	1989	8,190,862	92,568	1.13%
21	1990	18,606,637	300,769	1.62%
22	1991	6,804,433	68,667	1.01%
23	1992	10,041,560	178,995	1.78%
24	1993	5,637,279	121,080	2.15%
25	1994	3,480,922	26,059	0.75%
26	1995	3,820,449	32,298	0.85%
27	1996	2,681,701	20,928	0.78%
28	1997	1,790,063	23,501	1.31%
29	1998	1,477,852	4,185	0.28%
30	1999	1,810,857	10,989	0.61%
31	2000	26,037,439	264,455	1.02%
32	2001	8,983,040	92,232	1.03%
33	2002	8,622,712	117,487	1.36%
34	2003	2,701,882	(16,453)	-0.61%
35	2004	13,379,541	151,747	1.13%
36	2005	10,790,340	187,716	1.74%
37	2006	14,151,218	57,062	0.40%
38	2007	41,386,528	247,340	0.60%
39	2008	84,332,796	3,500,923	4.15%
40	2009	44,549,845	355,246	0.80%
41	2010	20,636,193	558,551	2.71%
42	2011	29,046,140	374,354	1.29%
43	2012	100,664,413	342,000	0.34%
44	2013	61,678,656	823,106	1.33%
45	totals	\$ 642,647,156	\$ 9,467,661	1.47%
46	Transmission Plant related Depreciation Expense:		<u>\$ 113,357</u>	From Worksheet 6, line 11
47				
48	AFUDC Adjustment		<u>\$ 1,670</u>	To Worksteet 2

Note: No AFUDC was capitalized related to general plant investments, as they were purchased and not constructed.

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/2013**

Line #	Description	FERC FORM 1 REF.	FERC FORM I Bal.	Less Amounts Assigned to Transmission	Amount for Schedule 1	Sch. 1 w/s ref
1	Plant Held for future use Accumulated Deferred Income Taxes:	Page 200, line 10c	\$ 3,574,918	\$ 3,365,121	\$ 209,797	w/s 3, line 3
2	190	Page 234.8c	71,580,946	15,322,751	56,258,195	w/s 3, line 9
	282	Page 113.63c	(579,202,621)	223,917,228	(355,285,393)	
	283	Page 113.64c	(167,003,919)	15,178,542	(151,825,377)	
3	subtotal 281-283		\$ (746,206,540)	\$ 239,095,770	\$ (507,110,770)	w/s 3, line 8
4	Materials & Supplies	Page 110.48.c	\$ 17,150,878	\$ 6,567,220	\$ 10,583,658	w/s 3, line 21
	Total Real and Personal Propoerty 408. Less Sales & Use Taxes	Page 263.14 i	27,672,417	13,631,432	14,040,985	
5	Property Taxes		\$ 27,672,417	\$ 13,631,432	\$ 14,040,985	w/s 4, line 7
<hr/>						
<u>Local Control Center Support Revenues & Rents:</u>						
	MEPCO	\$ (131,457)	454099	PE78946		
	BHE	(261,352)	454010	PE78946		
	Microwave	(19,497)	454000	PE78947		
6	Total LCC Revenue	\$ (412,306)				w/s 1 line 24

NSTAR Electric Company
Annual Schedule 1 Revenue Requirements - Dispatch Center
Cost Year: 2013
Sheet 1

Line	(a) Description	(b) Tariff Section	(c) Amount	(d) Reference
1	Dispatch Center Investment Base	A.1		
2	Dispatch Center Plant	A.1.a	\$ 11,320,255	Sheet 3, Line 1(f)
3	Dispatch Center Related General Plant	A.1.b	\$ 3,310,751	Sheet 3, Line 2(f)
4	Dispatch Center Plant Held for Future Use	A.1.c	\$ -	Sheet 3, Line 3(f)
5	Total Plant (line 2 + 3 + 4)		<u>\$ 14,631,006</u>	
6	Dispatch Center Related Depreciation Reserve	A.1.d	\$ 5,265,883	Sheet 3, Line 7(f)
7	Dispatch Center Related Accumulated Deferred Taxes	A.1.e	\$ 4,417,743	Sheet 3, Line 13(f)
8	Total Net Plant (line 5 - 6 - 7)		<u>\$ 4,947,380</u>	
9	Other Regulatory Assets	A.1.f	\$ 191,724	Sheet 3, Line 18(f)
10	Dispatch Center Prepayments	A.1.g	\$ 472,712	Sheet 3, Line 19(f)
11	Dispatch Center Materials & Supplies	A.1.h	\$ 58,053	Sheet 3, Line 20(f)
12	Dispatch Center Related Cash Working Capital	A.1.i	\$ 712,347	Sheet 3, Line 24(f)
13	Total Dispatch Center Investment Base (sum of lines [8-12])		<u><u>\$ 6,382,216</u></u>	
14	Revenue Requirements			
15	Investment Return and Income Taxes	A.2	\$ 816,132	Sheet 2, Line 38(c)
16	Dispatch Center Depreciation Expense	B	\$ 424,951	Sheet 4, Line 4(f)
17	Dispatch Center Related Amortization of Investment Tax Credits	C	\$ (3,053)	Sheet 4, Line 5(f)
18	Dispatch Center Related Municipal Tax Expense	D	\$ 264,633	Sheet 4, Line 6(f)
19	Dispatch Center Related Payroll Tax Expense	E	\$ 189,192	Sheet 4, Line 7(f)
20	Dispatch Center Operation & Maintenance Expense	F	\$ 3,084,007	Sheet 4, Line 14(f)
21	Dispatch Center Related Administrative and General Expenses	G	\$ 2,614,765	Sheet 4, Line 26(f)
22	Sub-Total Revenue Requirements (sum of lines [15-21])		<u><u>\$ 7,390,627</u></u>	
23	Docket No. FA12-10-000 - Merger-Related Internal Labor Cost Adjustment	G	\$ (28,963)	
24	Total Revenue Requirements (line 22 + 23)		<u><u>\$ 7,361,664</u></u>	
25	PTF Transmission Plant Allocator		86.9150%	
26	PTF Revenue Requirement for SCADA (line 24 * 25)		<u><u>\$ 6,398,390</u></u>	

Investment Return and Income Taxes

Cost Year: 2013

Sheet 2

Line	(a) Description	(b) Tariff Section	(c) Balance	(d) Capitalization Ratio	(e) Cost	(f) Weighted Cost	(g) Equity Cost	(h) Reference
1	Weighted Cost of Capital	A.2.a						
2	Long Term Debt	A.2.a.i	\$ 1,794,716,740	42.22%	4.40%	1.86%		Page 112.24(c)
3	Preferred Stock	A.2.a.ii	\$ 43,000,000	1.01%	4.56%	0.05%	0.05%	Page 112.3(c)
4	Common Equity	A.2.a.iii	\$ 2,413,047,746	56.77%	11.64%	6.61%	6.61%	Page 112.16(c) (less Line 3)
5	Total (line 2 + 3 + 4)		\$ 4,250,764,486	100.00%		8.52%	6.66%	
6	Total Investment Base		\$ 6,382,216					Sheet 1, Line 13(c)
7	Weighted Cost of Capital		8.52%					Line 5(f)
8	Total Return on Investment		\$ 543,765					Line 6 * Line 7
9	Federal Income Tax	A.2.b						
10	A = Equity Cost		6.66%					Line 5(g)
11	B = Transmission Amortization of ITC		\$ (3,053)					Sheet 4, Line 5(f)
12	C = Equity AFUDC		\$ -					
13	Total B + C		\$ (3,053)					Line 11 + Line 12
14	D = Investment Base		\$ 6,382,216					Line 6
15	(B + C) / D		-0.0478%					Line 13 / Line 14
16	(A + [(C + B) / D])		6.6122%					Line 10 + Line 15
17	FT = Federal Income Tax Rate		35.00%					
18	1 - FT		65.00%					1 - Line 17
19	Federal Tax Factor		3.5604%					Line 16 * Line 17 / Line 18
20	Total Federal Income Taxes		\$ 227,232					Line 14 * Line 19
21	State Income Tax	A.2.c						
22	A = Equity Cost		6.66%					Line 5(g)
23	B = Transmission Amortization of ITC		\$ (3,053)					Sheet 4, Line 5(f)
24	C = Equity AFUDC		\$ -					
25	Total B + C		\$ (3,053)					Line 23 + Line 24
26	D = Investment Base		\$ 6,382,216					Line 6
27	(B + C) / D		-0.0478%					Line 25 / Line 26
28	(A + [(C + B) / D])		6.6122%					Line 22 + Line 27
29	ST = State Income Tax Rate		6.50%					
30	1 - ST		93.50%					1 - Line 29
31	Federal Tax Factor		3.5604%					Line 19
32	State Tax Factor		0.7072%					(Line 28 + Line 31) * Line 29 / Line 30
33	Total State Income Taxes		\$ 45,135					Line 26 * Line 32
34	Investment Return and Income Taxes	A.2						
35	Return on Investment		\$ 543,765					Line 8
36	Federal Income Taxes		\$ 227,232					Line 20
37	State Income Taxes		\$ 45,135					Line 33
38	Total Investment Return and Income Taxes		\$ 816,132					Sum Lines 35 thru 37
39	Value of 50BP ROE Adder							
40	ROE Adder		0.50%					Per Tariff
41	Equity Ratio		56.77%					Line 4(d)
42	Effective Adder		0.28%					Line 40 * Line 41
43	Tax Gross-up		0.1807%					Line 42 * .6454134
44	Adder plus Gross-up		0.4607%					Line 42 + Line 43
45	Rate Base		\$ 6,382,216					Line 6
46	Earned Adder		\$ 29,403					Line 44 * Line 45
47	PTF Ratio		86.9150%					RNS Sheet 6
48	PTF Related Adder		\$ 25,556					Line 46 * Line 47

NSTAR Electric Company
Dispatch Center Investment Base
Cost Year: 2013
Sheet 3

Line	(a) Description	(b) Tariff Section	(c) Total	(d) Allocator	(e) Allocation Factor	(f) Dispatch Center Allocated	(g) Reference
1	Dispatch Center Plant	A.1.a				\$ 11,320,255	Sheet 6, Line 12(c)
2	Dispatch Center Related General Plant	A.1.b	\$ 184,576,602	W&S	1.7937%	\$ 3,310,751	FF1 207.99(g)
3	Dispatch Center Plant Held for Future Use	A.1.c				\$ -	FF1 214
4	Dispatch Center Related Depreciation Reserve	A.1.d					
5	Dispatch Center Depreciation Reserve					\$ 4,487,412	FF1 219.25(b) (part)
6	Transmission Related General Depreciation Reserve		\$ 43,400,308	(a) W&S	1.7937%	\$ 778,471	FF1 219.28(b)
7	Total Dispatch Center Related Depreciation Reserve (line 5 + 6)					\$ 5,265,883	
8	Dispatch Center Related Accumulated Deferred Taxes	A.1.e					
9	ADIT - Accelerated Amortization Property (Acct #281)		\$ -	Plant	0.2279%	\$ -	FF1 273.17(k)
10	ADIT - Other Property (Acct #282)		\$ 1,028,807,088	Plant	0.2279%	\$ 2,344,651	Line 27
11	ADIT - Other (Acct #283)					\$ 2,473,532	Sheet 7, Line 30(d)
12	Less: ADIT (Acct #190)					\$ 400,440	Sheet 7, Line 12(d)
13	Total Dispatch Center Related ADIT (line 9 + 10 + 11 - 12)					\$ 4,417,743	
14	Other Regulatory Assets	A.1.f					
15	FAS 106		\$ -	W&S	1.7937%	\$ -	FF1 232.1
16	ASC 740 Regulatory Asset (FAS 109)		\$ 88,924,028	Plant	0.2279%	\$ 202,658	FF1 232.1.14(f)
17	Less: ASC 740 Regulatory Liability (FAS 109)		\$ 4,797,840	Plant	0.2279%	\$ 10,934	FF1 278.2(f)
18	Total Other Regulatory Assets (line 15 + 16 - 17)		\$ 84,126,188			\$ 191,724	
19	Dispatch Center Prepayments	A.1.g	\$ 26,354,030	W&S	1.7937%	\$ 472,712	FF1 111.57(c)
20	Dispatch Center Materials and Supplies	A.1.h	\$ 25,473,161	Plant	0.2279%	\$ 58,053	FF1 227.8(c) + 5(c) fn
21	Dispatch Center Related Cash Working Capital	A.1.i					
22	Dispatch Center Operation and Maintenance Expense		\$ 3,084,007	WC	12.50%	\$ 385,501	Sheet 4, Line 14(f)
23	Dispatch Center Related Administrative and General Expense		\$ 2,614,765	WC	12.50%	\$ 326,846	Sheet 4, Line 26(f)
24	Total Dispatch Center Related Cash Working Capital (line 22 + 23)		\$ 5,698,772			\$ 712,347	
25	Account 282		\$ 1,028,807,088	FF1 275.9(k)			
26	less amounts related to divestiture		\$ -	FF1 275.4(k)			
27	Total Account 282 (line 25 + 26)		\$ 1,028,807,088				

Notes:

Description	Allocation Factor	Reference
28 Wages & Salary Allocation (W&S)	1.7937%	Sheet 6, Line 6(c)
29 Plant Allocation Allocation (Plant)	0.2279%	Sheet 6, Line 16(c)
30 Cash Working Capital (WC)	12.50%	OATT - Schedule 1, A.1.i

(a) Reflects actual information per the Company's accounting records. Conforming revisions will be reflected in the 2014 FERC Form 1.

NSTAR Electric Company
Dispatch Center Expenses
Cost Year: 2013
Sheet 4

Line	(a) Description	(b) Tariff Section	(c) Total	(d) Allocator	(e) Allocation Factor	(f) = (c) * (e) Dispatch Center Allocated	(g) Reference
1	Dispatch Center Depreciation Expense	B					
2	Dispatch Center Plant Depreciation Expense					\$ 276,720	See Line 33(d)
3	General Plant Depreciation Expense		\$ 8,263,975	W&S	1.7937%	\$ 148,231	FF1 336.10(b)
4	Total Dispatch Center Depreciation Expense (line 2 + 3)					<u>\$ 424,951</u>	
5	Dispatch Center Related Amortization of Investment Tax Credits	C	\$ (1,339,500)	Plant	0.2279%	<u>\$ (3,053)</u>	FF1 266.8(f) & 11(f)
6	Dispatch Center Related Municipal Tax Expense	D	\$ 116,118,245	Plant	0.2279%	<u>\$ 264,633</u>	FF1 263.5(i)
7	Dispatch Center Related Payroll Tax Expense	E	\$ 10,547,609	W&S	1.7937%	<u>\$ 189,192</u>	FF1 263.8(i)
8	Dispatch Center Operations & Maintenance Expense	F					
9	Load dispatching #561		\$ -	Direct	100.0000%	\$ -	FF1 321.84(b)
10	Load dispatching - Reliability #561.1		\$ 1,247,264	Direct	100.0000%	\$ 1,247,264	FF1 321.85(b)
11	Load dispatching - Mon & Oper Trans System 561.2		\$ 1,224,497	Direct	100.0000%	\$ 1,224,497	FF1 321.86(b)
12	Load dispatching - Trans Service & Scheduling #561.3		\$ 612,246	Direct	100.0000%	\$ 612,246	FF1 321.87(b)
13	Scheduling, System Control and Dispatch Services #561.4		<u>\$ 13,414,169</u>		0%	<u>\$ -</u>	FF1 321.88(b)
14	Total Dispatch Center O&M Expense (sum of lines [9-13])		\$ 16,498,176			<u>\$ 3,084,007</u>	
15	Dispatch Center Related Administrative & General Expenses	G					
16	Administrative and General Expenses		\$ 156,881,146				FF1 323.197(b)
17	less: Office Supplies and Expenses (921)	(a)	\$ -				FF1 323.182(b) fn
18	less: Outside Services Employed (923)	(a)	\$ -				FF1 323.184(b) fn
19	less: Property Insurance (Acct #924)		\$ 792,138				FF1 323.185(b)
20	less: Regulatory Commission Expenses (Acct #928)		\$ 10,054,374				FF1 323.189(b)
21	less: General Advertising Expenses (Acct #930.1)		\$ 514,327				FF1 323.191(b)
22	less: Miscellaneous General Expenses (Acct #930.2)		\$ 52,118				FF1 323.192(b) fn
23	Subtotal (line 16 - sum of lines[17-22])		\$ 145,468,189	W&S	1.7937%	\$ 2,609,263	
24	Property Insurance		\$ 792,138	Plant	0.2279%	\$ 1,805	FF1 323.185(b)
25	FERC Assessments in Regulatory Commission Expenses (Acct #928)		<u>\$ 1,622,086</u>	Plant	0.2279%	<u>\$ 3,697</u>	FF1 350.7(d)
26	Total Dispatch Center Related A&G Expenses (sum of lines [23-25])		\$ 147,882,413			<u>\$ 2,614,765</u>	

NOTES:

Description	Allocation Factor	Reference
27 Direct Allocation (Direct)	100.0000%	
28 Wages & Salaries Allocation (W&S)	1.7937%	Sheet 6, Line 6(c)
29 Plant Allocation (Plant)	0.2279%	Sheet 6, Line 16(c)

Description	Total Investment	Life Depr. Rate	Depreciation Expense	Reference
30 Mass. Ave. Service Center - 431 (Trans. Station Equipment)	\$ 7,966,151	2.53%	\$ 201,464	Sheet 6, Line 9(c)
31 SCADA Mass. Ave. - 421 (Trans. & Conversion Station Structures)	\$ 2,816,142	2.19%	\$ 61,646	Sheet 6, Line 10(c)
32 SCADA Mass. Ave. - 431 (Trans. Station Equipment)	<u>\$ 537,962</u>	2.53%	<u>\$ 13,610</u>	Sheet 6, Line 11(c)
33 Total	\$ 11,320,255		\$ 276,720	Sum Lines 33 thru 35

(a) Merger-related internal labor costs

NSTAR Electric Company
Dispatch Center Revenues
Cost Year: 2013
Sheet 5

Line	(a) Description	(b) Tariff Section	(c) Total	(d) Allocator	(e) Allocation Factor	(f) = (c) * (e) Dispatch Center Allocated	(g) Reference
1	Revenues received from ISO						
2	NEPOOL Scheduling & Dispatch Revenue		\$ 165,780	Direct	100.0000%	\$ 165,780	OATT Schedule 1 TOUT
3	Total Revenues Received from ISO		<u>\$ 165,780</u>			<u>\$ 165,780</u>	

4 **NOTES:**

5	Description	Allocation Factor
6	Direct Allocation (Direct)	100.0000%

NSTAR Electric Company
Allocation Factors
Cost Year: 2013
Sheet 6

Line	(a) Description	(b) Tariff Section	(c) Amount	(d) Reference
1	Dispatch Center Wages & Salaries Allocation Factor	Definitions		
2	Direct Dispatch Center Wages & Salaries		\$ 2,264,490	Acct 561 Labor
3	NSTAR Electric Direct Wages & Salaries		\$ 173,922,386	FF1 354.28(b)
4	Less: Administrative & General Wages & Salaries		\$ 47,677,545	FF1 354.27(b)
5	Net NSTAR Electric Wages & Salaries (line 3 - 4)		<u>\$ 126,244,841</u>	
6	Wages & Salaries Allocation Factor (line 2 / 5)		<u><u>1.7937%</u></u>	
7	Dispatch Center Plant Allocation Factor	Definitions		
8	Investment In Dispatch Center Plant			
9	Mass. Ave. Service Center - 431 (Trans. Station Equipment)		\$ 7,966,151	
10	SCADA Mass. Ave. - 421 (Trans. & Conversion Station Structures)		\$ 2,816,142	
11	SCADA Mass. Ave. - 431 (Trans. Station Equipment)		<u>\$ 537,962</u>	
12	Total Investment in Dispatch Center Plant (line 9 + 10 + 11)		\$ 11,320,255	
13	Dispatch Center Related General Plant		<u>\$ 3,310,751</u>	Sheet 3, Line 2(f)
14	Total Dispatch Center Plant Investment (line 12 + 13)		\$ 14,631,006	
15	Total Plant in Service		<u>\$ 6,420,242,841</u>	FF1 207.104(g)
16	Plant Allocation Factor (line 14 / 15)		<u><u>0.2279%</u></u>	

NSTAR Electric Company
Accumulated Deferred Income Taxes (Accounts 190 & 283)
Cost Year: 2013
Sheet 7

Line	(a) Description	(b) Amount	(c) Allocator	(d) = (b) * (c) Rate Base	(e) Notes
1	Account 190				
2	General & Administrative Costs	\$ 20,110,238	1.7937%	\$ 360,717	FF1 Page 234.2(c) Footnote
3	Provision for Rate Refund	\$ 13,061,926	0.2279%	\$ 29,768	FF1 Page 234.2(c) Footnote
4	Self Insurance Reserves	\$ 2,907,814	0.2279%	\$ 6,627	FF1 Page 234.2(c) Footnote
5	Allowance for Uncollectible Accounts	\$ 15,349,945	0.0000%	\$ -	FF1 Page 234.2(c) Footnote
6	Securitization Costs	\$ 1,322,863	0.0000%	\$ -	FF1 Page 234.2(c) Footnote
7	Energy Efficiency	\$ -	0.0000%	\$ -	FF1 Page 234.2(c) Footnote
8	Deferred Transition Revenues	\$ 3,580,963	0.0000%	\$ -	FF1 Page 234.2(c) Footnote
9	CIC Payments	\$ 1,453,306	0.0000%	\$ -	FF1 Page 234.2(c) Footnote
10	Litigation Expense	\$ 1,598,419	0.0000%	\$ -	FF1 Page 234.2(c) Footnote
11	Other Items	\$ 1,460,469	0.2279%	\$ 3,328	FF1 Page 234.2(c) Footnote
12	Total 190	\$ 60,845,943	0.6581%	\$ 400,440	Sum Lines 2 thru 11
13	Account 283				
14	AFUDC MDPU Method Regulatory Asset	\$ (1,508,782)	0.2279%	\$ (3,439)	FF1 Page 276.3(k) Footnote
15	Bond Redemption Call Premiums	\$ (5,129,977)	0.2279%	\$ (11,691)	FF1 Page 276.3(k) Footnote
16	Pension Expense	\$ (122,643,801)	1.7937%	\$ (2,199,862)	FF1 Page 276.3(k) Footnote
17	Post Employment Benefits Accrued	\$ -	0.2279%	\$ -	FF1 Page 276.3(k) Footnote
18	Property Tax Lien Date Accrual	\$ (25,270,429)	0.2279%	\$ (57,591)	FF1 Page 276.3(k) Footnote
19	Retail adjuster clause deferrals	\$ (48,427,410)	0.0000%	\$ -	FF1 Page 276.3(k) Footnote
20	Deferred Net Metering Costs	\$ (4,438,899)	0.0000%	\$ -	FF1 Page 276.3(k) Footnote
21	Smart Meters	\$ -	0.0000%	\$ -	FF1 Page 276.3(k) Footnote
22	Medicare Part D Subsidy Regulatory Asset	\$ (22,525,999)	0.0000%	\$ -	FF1 Page 276.3(k) Footnote
23	Storm Contingency Fund	\$ (42,862,254)	0.0000%	\$ -	FF1 Page 276.3(k) Footnote
24	Pension Adjustment Mechanism	\$ (8,670,984)	0.0000%	\$ -	FF1 Page 276.3(k) Footnote
25	ASC 740 Deferred Income Taxes	\$ (84,126,189)	0.2279%	\$ (191,724)	FF1 Page 276.3(k) Footnote
26	Goodwill	\$ (181,564,561)	0.0000%	\$ -	FF1 Page 276.3(k) Footnote
27	Securitized Power Costs	\$ -	0.2279%	\$ -	FF1 Page 276.3(k) Footnote
28	Urban Grid monitoring and renewables integration	\$ (1,430,405)	0.0000%	\$ -	FF1 Page 276.3(k) Footnote
29	Other Items	\$ (4,048,007)	0.2279%	\$ (9,225)	FF1 Page 276.3(k) Footnote
30	Total 283	\$ (552,647,697)	0.4476%	\$ (2,473,532)	Sum Lines 14 thru 29
31	Wages & Salary Allocator		1.7937%		Sheet 6, Line 6, Col (c)
32	Plant Allocator		0.2279%		Sheet 6, Line 16, Col (c)

Exhibit 1

**Merger-Related Internal Labor Cost Adjustment
to the 2011 and 2012 Revenue Requirements
per FERC Audit Report in Docket No. FA12-10-000 for
Scheduling & Dispatch (Schedule 1 - SCADA)**

NSTAR Electric Company				
Merger-Related Internal Labor Cost Adjustment				
Per FERC Audit Report in Docket No. FA12-10-000				
Scheduling & Dispatch (Schedule 1- SCADA)				
Summary of Principal and Interest				
	2011		Total True-up Amount	Reference
1	Principal		\$ (21,579)	Exhibit 1, page 2
2	Interest		\$ (1,464)	Exhibit 1, page 4
3	Total (line 1 + 2)		<u>\$ (23,043)</u>	
	2012			
4	Principal		\$ (5,730)	Exhibit 1, page 5
5	Interest		\$ (190)	Exhibit 1, page 6
6	Total (line 4 + 5)		<u>\$ (5,920)</u>	
	Total			
7	Principal (line 1 + 4)		\$ (27,309)	
8	Interest (line 2 + 5)		\$ (1,654)	
9	Total (line 7 + 8)		<u>\$ (28,963)</u>	
Note: As a result of the FERC Audit Report in Docket No. FA12-10-000, NSTAR was required				
to refund merger-related internal labor costs previously included in the actual 2011 and 2012				
Operation and Maintenance and Administrative and General expenses in SCADA				
Revenue Requirements.				

NSTAR Electric Company						
Merger-Related Internal Labor Cost Adjustment						
Per FERC Audit Report in Docket No. FA12-10-000						
Scheduling & Dispatch (Schedule 1- SCADA)						
2011						
(A)	(B)	(C)	(D) = (C) - (B)	(E)	(F) = (D) x (E)	
Account	Total (a)	Amount Excluded from Formula Rate Calculation (b)	Amount still to be Excluded from Formula Rate Calculation	Allocator (b)	Amount to be Refunded through Schedule 1 (SCADA) (c)	
561.1	\$ 563	\$ -	\$ (563)	100.0000%	\$ (563)	
920	\$ 1,354,627	\$ -	\$ (1,354,627)	1.5514%	\$ (21,016)	
921	\$ 113,082	\$ 113,082	\$ -	1.5514%	\$ -	
923	\$ 1,273,126	\$ 1,273,126	\$ -	1.5514%	\$ -	
Total	\$ 2,741,398	\$ 1,386,208	\$ (1,355,190)		\$ (21,579)	
(a) 2013 FERC Form 1, page 320 footnotes						
(b) RNS Scheduling & Dispatch Center (SCADA) actual revenue requirement calculation - June 2012. Operation and Maintenance Expense Account is 100% Transmission (561.1). Administrative and General Expense Accounts are allocated to transmission using a wage and salary allocator (920, 921 & 923).						
(c) This amount will be further allocated to RNS Scheduling & Dispatch using the PTF plant allocators for pre-97 and post-96 (approximately 86% combined)						

NSTAR Electric Company					
Merger-Related Internal Labor Cost Adjustment					
Per FERC Audit Report in Docket No. FA12-10-000					
Scheduling & Dispatch (Schedule 1- SCADA)					
Interest Calculation - 2011					
	(A)	(B)	(C)		(D)=(B)x(C)
		Balance	FERC Monthly Interest Rate		Interest
1	June 2012	\$ (21,579)	0.27%		\$ (58)
2	July 2012	\$ (21,637)	0.28%		\$ (61)
3	August 2012	\$ (21,637)	0.28%		\$ (61)
4	September 2012	\$ (21,637)	0.27%		\$ (58)
5	October 2012	\$ (21,817)	0.28%		\$ (61)
6	November 2012	\$ (21,817)	0.27%		\$ (59)
7	December 2012	\$ (21,817)	0.28%		\$ (61)
8	January 2013	\$ (21,998)	0.28%		\$ (62)
9	February 2013	\$ (21,998)	0.25%		\$ (55)
10	March 2013	\$ (21,998)	0.28%		\$ (62)
11	April 2013	\$ (22,177)	0.27%		\$ (60)
12	May 2013	\$ (22,177)	0.28%		\$ (62)
13	June 2013	\$ (22,177)	0.27%		\$ (60)
14	July 2013	\$ (22,359)	0.28%		\$ (63)
15	August 2013	\$ (22,359)	0.28%		\$ (63)
16	September 2013	\$ (22,359)	0.27%		\$ (60)

NSTAR Electric Company					
Merger-Related Internal Labor Cost Adjustment					
Per FERC Audit Report in Docket No. FA12-10-000					
Scheduling & Dispatch (Schedule 1- SCADA)					
Interest Calculation - 2011					
	(A)	(B)	(C)	(D)=(B)x(C)	
		Balance	FERC Monthly Interest Rate	Interest	
Line	Initial Billing Period				
17	October 2013	\$ (22,545)	0.28%	\$	(63)
18	November 2013	\$ (22,545)	0.27%	\$	(61)
19	December 2013	\$ (22,545)	0.28%	\$	(63)
20	January 2014	\$ (22,732)	0.28%	\$	(64)
21	February 2014	\$ (22,732)	0.25%	\$	(57)
22	March 2014	\$ (22,732)	0.28%	\$	(64)
23	April 2014	\$ (22,917)	0.27%	\$	(62)
24	May 2014	\$ (22,917)	0.28%	\$	(64)
25	Total Surcharge/(Refund)	\$ (23,043)		\$	(1,464)
	To Check	Total	Interest	Principal	
	Total	\$ (23,043)	\$ (1,464)	\$ (21,579)	

NSTAR Electric Company						
Merger-Related Internal Labor Cost Adjustment						
Per FERC Audit Report in Docket No. FA12-10-000						
Scheduling & Dispatch (Schedule 1- SCADA)						
2012						
(A)	(B)	(C)	(D) = (B) - (C)	(E)	(F) = (D) x (E)	
Account	Total (a)	Amount Excluded from Formula Rate Calculation (b)	Amount still to be Excluded from Formula Rate Calculation	Allocator (b)	Amount to be Refunded through Schedule 1 (SCADA) (c)	
561.1	\$ -	\$ -	\$ -	100.0000%	\$ -	
920	\$ 349,834	\$ -	\$ (349,834)	1.6357%	\$ (5,722)	
921	\$ 605,269	\$ 604,784	\$ (485)	1.6357%	\$ (8)	
923	\$ 238,210	\$ 238,210	\$ -	1.6357%	\$ -	
Total	\$ 1,193,313	\$ 842,994	\$ (350,319)		\$ (5,730)	
(a) 2013 FERC Form 1, page 320 footnotes						
(b) RNS Scheduling & Dispatch Center (SCADA) actual revenue requirement calculation - June 2012. Operation and Maintenance Expense Account is 100% Transmission (561.1). Administrative and General Expense Accounts are allocated to transmission using a wage and salary allocator (920, 921 & 923).						
(c) This amount will be further allocated to RNS Scheduling & Dispatch using the PTF plant allocators for pre-97 and post-96 (approximately 82% combined)						

NSTAR Electric Company					
Merger-Related Internal Labor Cost Adjustment					
Per FERC Audit Report in Docket No. FA12-10-000					
Scheduling & Dispatch (Schedule 1- SCADA)					
Interest Calculation - 2012					
	(A)	(B)	(D)	(E)=(B)x(D)	
		Balance	FERC Monthly Interest Rate	Interest	
Line	Initial Billing Period				
1	June 2013	\$ (5,730)	0.27%	\$ (15)	
2	July 2013	\$ (5,745)	0.28%	\$ (16)	
3	August 2013	\$ (5,745)	0.28%	\$ (16)	
4	September 2013	\$ (5,745)	0.27%	\$ (16)	
5	October 2013	\$ (5,793)	0.28%	\$ (16)	
6	November 2013	\$ (5,793)	0.27%	\$ (16)	
7	December 2013	\$ (5,793)	0.28%	\$ (16)	
8	January 2014	\$ (5,841)	0.28%	\$ (16)	
9	February 2014	\$ (5,841)	0.25%	\$ (15)	
10	March 2014	\$ (5,841)	0.28%	\$ (16)	
11	April 2014	\$ (5,888)	0.27%	\$ (16)	
12	May 2014	\$ (5,888)	0.28%	\$ (16)	
13		\$ (5,920)		\$ (190)	
	To Check	Total	Interest	Principal	
	Total	\$ (5,920)	\$ (190)	\$ (5,730)	

Attachment 7

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