

July 31, 2013

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, 2013, 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, 2013 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 2012 and estimated cost data for calendar year 2013 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 re-open 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.

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 (“TOUT”) Service, and Scheduling, System Control & Dispatch Service (Schedule 1) that will be in effect for the period beginning June 1, 2013 through May 31, 2014. In accordance with the Commission’s December 5, 2005 order accepting tariff revisions in Docket Nos. ER06-17-000 and EL05-56-000,⁶ and certain recent Commission orders,⁷ 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, 2013 and forecasted MPRP and NEEWS CWIP as of December 31, 2013. 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 2011 actual data, plus 2012 forecasted data, and the revenue requirements for 2012 based on actual data.

Pursuant to Attachment F of the ISO Tariff, the annual formula rates have been updated to reflect actual 2012 cost data, Forecasted Transmission Revenue Requirements associated with projected PTF additions for 2013 (i.e. the Forecast Period), and the Annual True-up including associated interest. This annual update results in a Pool RNS Rate of \$86.95/kW-year effective June 1, 2013 through May 31, 2014. The new rate represents an increase of \$11.70 from the Pool RNS Rate of \$75.25/kW-year that went into effect on June 1, 2012. Attachments 3 and 4 provide a

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

⁷ *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.

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, 2013. This represents a decrease of \$0.09/kW-year over the Schedule 1 charge of \$1.79/kW-year based on 2011 data that went into effect as of June 1, 2012.

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, 2013 – May 31, 2014 based on 2012 actual data and 2013 forecasted data;
- Attachment 2 - PTOs' Annual Transmission Revenue Requirement calculations pursuant to Attachment F based on 2012 actual data and 2013 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 2013;
- Attachment 4 – Annual True-up Summary;
- Attachment 5 - Schedule 1 Rates effective June 1, 2013 through May 31, 2014, based on 2012 data;
- Attachment 6 - PTOs' Annual Revenue Requirement calculations pursuant to Schedule 1, based on 2012 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 filing.

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.
Counsel to Northeast Utilities
& Chair of the PTO AC Legal Working Group
On behalf of the Participating Transmission Owners
Administrative Committee

Attachments

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

Attachment 1

Schedule 9 RNS Rates Effective June 1, 2013 – May 31, 2014
Based on 2012 Actual Data, 2013 Forecasted Data and Annual True-up

PTO 2012 12 CP NETWORK LOADS

Local Networks	2012
	Network Load (MW)
Bangor Hydro Electric Co.	247.910
Central Maine Power Co.	1,361.394
Fitchburg Gas & Electric Light Co.	72.958
New England Power Co.	5,748.311
Northeast Utilities	7,048.116
NSTAR Electric Co.	4,156.482
The United Illuminating Co.	731.750
VT Transco LLC	822.335
Total	20,189.256

Long Term TOUT (MW)	0
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PTO RNS Rates for 6/1/13	PRE 97 RNS Rate	Post 96 RNS Rate	RNS Rates for June 1, 2013 (Revised on 6/13/13)	RNS Rates previously in effect June 1, 2012	Delta
Total NE Rev Req	\$321,525,355	\$1,433,868,544			
Total NE Loads - kW	20,189,256	20,189,256			
Total NE RNS \$ / kW-yr.	15.92557	71.02137	86.94694	75.25485	11.69209

		PTO 2012 Rev Req					
		PTO Annual Input Data 2012 - Revised 6/13/13					
					PTF Revenue Requirements		
					Pre-1997	Post-1996	
		Customer #	DUNS #	DUNS Name	PTF	PTF	
					\$	\$	
1		2	00-694-9002	Bangor Hydro Electric Company	\$ 881,599	\$ 46,863,112	1
2		5	17-057-1897	Braintree Electric Light Department	\$ 456,794	\$ 4,391,500	2
3		6	00-694-8954	Central Maine Power Company	\$ 15,584,053	\$ 204,990,162	3
4		8	09-207-8351	Conn Municipal Electric Energy Coop.	\$ 428,027	\$ 1,554,729	4
5		51386	96-733-8696	Connecticut Transmission Municipal Electric	\$ -	\$ 8,244,755	5
6		38	00-695-4317	Fitchburg Gas & Electric Light Co.	\$ 272,738	\$ 157,699	6
7		44	08-465-0050	Holyoke Gas & Electric Department	\$ 787,321	\$ 1,436,060	7
8		45	10-775-5126	Hudson Light & Power Department	\$ 183,357	\$ -	8
9		6	06-099-4258	Maine Electric Power Company	\$ (1,323,540)	\$ (94,912)	9
10		76	07-172-4900	Massachusetts Municipal Wholesale Electric	\$ 657,283	\$ 513,438	10
11		79	15-597-6665	Middleborough Gas & Electric Department	\$ (199,935)	\$ 788,349	11
12		81	00-695-2881	New England Power Company	\$123,410,726	\$ 183,716,706	12
13		51321	83-132-2677	New Hampshire Transmission, LLC	\$ 4,543,305	\$ 9,537,009	13
14		112	95-910-8929	Northeast Utilities	\$ 77,430,026	\$ 603,795,060	14
15		158	08-421-1572	Norwood Municipal Light Department	\$ -	\$ 2,610,902	15
16		3	00-695-1552	NSTAR Electric Company	\$ 59,454,337	\$ 141,452,948	16
17		148	86-703-4654	Reading Municipal Light Plant	\$ 661,304	\$ 297,651	17
18		153	04-661-6033	Taunton Municipal Light Plant	\$ 231,364	\$ -	18
19	*	185	79-806-8342	Unitil Power Corp.	\$ 117,754	\$ -	19
20		181	00-691-7967	United Illuminating Company	\$ 23,001,695	\$ 107,584,104	20
21		50853	78-039-9163	Vermont Transco LLC	\$ 11,111,839	\$ 112,273,535	21
22		182	00-579-1934	Vermont Electric Power Co, Inc.	\$ 3,835,308	\$ 3,755,737	22
23				Total	\$321,525,355	\$ 1,433,868,544	23
		* Revenue requirement amounts indicate payments made to support PTF owned by other Participants.					

LOAD VALUE (kW)																		
				Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total Annual Network Load	Average Monthly Network Load	
Total Local Network Load (kW):				19,642,075	18,040,416	17,943,023	16,264,385	19,689,763	25,410,471	25,811,118	24,417,421	21,176,831	16,501,002	18,554,100	18,820,420	242,271,025	20,189,256	
Local Network	Local Network Name																	
1	BE			3,914,468	3,601,259	3,611,731	3,454,431	3,849,159	5,392,131	5,548,671	5,192,569	4,522,686	3,390,161	3,673,344	3,727,158	49,877,768	4,156,482	
2	BHE			257,849	247,390	242,535	220,003	225,494	245,437	270,561	283,287	236,389	231,630	256,212	258,134	2,974,921	247,910	
4	CMP			1,417,060	1,356,889	1,340,730	1,196,140	1,202,260	1,433,930	1,505,920	1,532,900	1,308,080	1,258,410	1,390,723	1,393,689	16,336,731	1,361,394	
6	NEP			5,553,963	5,144,449	5,164,346	4,501,491	5,341,243	7,430,708	7,495,087	7,085,205	6,052,188	4,588,977	5,260,087	5,361,973	68,979,717	5,748,311	
7	NU			6,869,788	6,183,568	6,117,568	5,558,382	7,438,833	8,960,117	9,011,639	8,476,893	7,396,554	5,615,311	6,433,566	6,515,172	84,577,391	7,048,116	
8	UI			668,007	618,272	609,633	566,220	784,602	955,916	996,292	899,395	818,039	597,072	628,022	639,525	8,780,995	731,750	
9	VELCO/VT Transco			886,304	819,495	787,527	707,210	784,070	904,857	893,783	865,940	771,669	755,843	840,834	850,472	9,868,004	822,335	
15	FGE			74,636	69,094	68,953	60,508	64,102	87,375	89,165	81,232	71,226	63,598	71,312	74,297	875,498	72,958	
Total Network Load (kW):				19,642,075	18,040,416	17,943,023	16,264,385	19,689,763	25,410,471	25,811,118	24,417,421	21,176,831	16,501,002	18,554,100	18,820,420	242,271,025	20,189,256	
Local Network	Local Network Name	Network Load ID	Duns Number	Network Load Name	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total Annual Network Load	Average Monthly Network Load
1	BE	2	17-057-1897	Braintree	62,353	56,642	55,386	53,472	59,829	84,635	85,084	80,117	70,076	52,437	57,687	58,392	776,110	64,676
1	BE	4	07-952-6729	Concord	30,436	27,911	28,654	25,373	29,649	41,718	42,083	38,749	33,241	23,769	27,557	29,624	378,764	31,564
1	BE	5	14-703-0704	Hingham	33,320	31,012	31,224	28,636	34,892	50,088	50,676	47,992	41,760	28,032	31,188	32,740	441,560	36,797
1	BE	6	13-661-7156	Hull	9,279	8,458	8,777	5,576	6,732	12,999	13,883	12,881	8,733	5,702	8,372	8,603	109,995	9,166
1	BE	8	08-421-1572	Norwood (NYPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	BE	9	08-421-1572	Norwood (NU)	47,664	45,326	46,286	47,204	54,323	72,015	72,553	67,835	60,415	45,737	47,192	48,809	655,359	54,613
1	BE	11	00-695-2626	MECO - Quincy/Wey. (R W)	205,381	190,752	191,886	156,703	174,963	266,979	274,213	252,678	213,416	146,935	186,240	186,162	2,446,308	203,859
1	BE	13	86-703-4654	Reading	73,656	70,956	71,448	73,116	78,840	114,636	115,464	108,072	93,180	70,200	75,552	79,248	1,024,368	85,364
1	BE	14	17-819-3330	Wellseley	42,956	39,603	39,480	36,950	42,894	63,192	63,378	56,096	50,866	35,820	40,479	41,742	553,456	46,121
1	BE	15	07-382-0680	Belmont (PASNY)	22,902	21,464	21,629	16,348	18,900	30,266	30,672	28,258	23,771	14,992	21,178	22,415	272,795	22,733
2	BHE	16	00-694-9002	Bangor Hydro Electric	251,923	241,654	236,921	215,625	221,721	240,585	265,031	278,156	232,226	226,691	250,410	252,026	2,912,969	242,747
2	BHE	17	00-694-8954	CMP - Herman Sub	5,926	5,736	5,614	4,378	3,773	4,852	5,530	5,131	4,163	4,939	5,802	6,108	61,952	5,163
4	CMP	21	00-694-8954	Central Maine Power	1,376,720	1,313,836	1,287,454	1,145,372	1,134,231	1,378,270	1,449,434	1,478,382	1,263,216	1,213,665	1,355,487	1,352,782	15,748,849	1,312,404
4	CMP	22	11-923-4722	NP - Fox Island	1,710	1,479	1,300	1,190	1,090	1,450	1,570	1,630	1,430	1,442	1,429	1,784	17,504	1,459
4	CMP	23	05-448-1341	NP - Kennebunk	17,630	16,738	17,140	14,030	13,420	18,880	18,880	19,340	15,560	14,481	15,555	18,208	199,862	16,655
4	CMP	24	61-283-4382	Madison Paper	15,250	19,008	29,300	30,440	28,280	30,670	30,860	28,440	23,470	23,960	12,630	14,898	287,206	23,934
6	NEP	31	00-695-2881	New England Power	139	134	156	48	38	34	48	36	48	94	130	144	1,049	87
6	NEP	32	00-695-2261	Granite St. Elec. (R W)	148,096	135,789	136,438	137,885	135,148	189,854	192,275	187,786	155,035	127,505	138,455	139,341	1,823,607	151,967
6	NEP	34	00-119-3655	Narragansett Electric	1,230,530	1,160,616	1,146,669	1,010,268	1,331,403	1,764,960	1,769,043	1,715,852	1,481,377	1,044,348	1,190,937	1,194,867	16,040,870	1,336,739
6	NEP	35	83-729-7852	Ashburnham	6,227	5,805	5,926	3,804	4,485	5,563	6,138	5,416	4,613	5,080	6,073	6,368	65,498	5,458
6	NEP	36	00-695-1552	Boston Edison Co.	46,757	43,472	43,019	42,708	29,955	45,075	54,769	55,642	51,325	41,786	42,816	44,127	541,451	45,121
6	NEP	37	06-991-6021	Boylston	5,484	4,959	5,131	4,012	5,020	7,217	6,895	6,451	5,201	4,143	5,131	5,766	65,410	5,451
6	NEP	38	96-258-1922	VELCO - Central Vt Pub. Ser	8,440	7,754	7,903	7,082	8,262	10,600	10,832	9,953	8,445				79,271	6,606
6	NEP	39	15-596-9157	Danvers	53,136	48,499	49,017	47,175	47,577	76,665	77,068	72,087	59,644	44,323	49,104	50,486	674,781	56,232
6	NEP	41	00-695-6551	NU - French King	10,511	8,326	9,074	5,004	7,418	8,124	9,070	7,543	6,910	7,731	9,146	9,630	98,487	8,207
6	NEP	42	15-596-9983	Georgetown	8,608	8,182	8,495	6,495	6,407	12,661	12,341	11,365	9,270	6,904	8,150	9,078	107,956	8,996
6	NEP	44	15-601-8301	Groton MA	11,154	12,492	12,822	9,714	10,064	17,125	15,254	15,935	13,224	10,538	11,982	13,419	155,723	12,977
6	NEP	45	15-601-8285	NP - Groveland	6,393	5,940	6,107	5,122	4,837	9,624	9,703	8,679	6,816	5,093	6,019	6,600	80,933	6,744
6	NEP	46	87-808-0563	Holden	18,363	16,856	16,818	12,457	15,048	20,055	20,948	19,018	16,302	14,752	17,579	19,001	207,197	17,266
6	NEP	47	10-775-5126	Hudson	52,836	47,404	48,300	46,116	54,112	67,396	67,788	64,848	56,648	44,268	47,628	48,272	645,616	53,801
6	NEP	48	15-586-9563	Ipswich	19,233	17,827	17,996	15,873	15,032	26,314	25,611	24,958	20,123	15,017	18,103	18,505	234,592	19,549
6	NEP	49	79-432-5019	Littleton MA	40,435	38,085	38,758	38,264	40,090	49,767	51,811	50,862	44,525	36,288	41,127	41,962	511,974	42,665
6	NEP	50	09-551-3214	NP - Littleton NH	12,693	11,355	11,210	10,138	10,905	13,505	13,371	13,005	11,058	10,306	11,690	11,750	140,986	11,749
6	NEP	51	95-690-6051	Mansfield	35,784	32,299	33,336	30,917	41,213	51,668	51,178	48,773	41,918	28,721	32,904	33,106	461,817	38,485
6	NEP	53	15-598-9544	Marblehead	20,088	18,684	18,315	11,295	13,014	27,099	26,748	25,479	18,684	15,714	18,630	19,485	233,235	19,346
6	NEP	54	92-933-1452	Massachusetts Development	15,971	16,069	15,695	18,493	19,102	22,056	22,685	21,625	20,692	16,864	16,305	15,892	221,449	18,454
6	NEP	55	78-609-1892	NP - Merrimac	5,532	5,061	5,330	3,672	3,384	7,689	7,526	7,042	5,444	4,015	4,976	5,568	65,239	5,437
6	NEP	56	18-675-8231	Middleton	15,069	14,394	14,205	14,446	13,859	23,345	23,367	22,352	18,490	13,047	14,826	15,396	203,396	16,950
6	NEP	57	10-798-9241	N. Attleboro	41,200	38,224	38,704	31,568	42,800	54,368	54,400	51,808	43,776	32,816	38,992	40,080	508,736	42,395
6	NEP	60	15-582-5391	Paxton	4,709	4,601	4,543	2,697	3,748	4,777	4,607	4,131	3,700	3,776	4,357	4,684	50,330	4,194
6	NEP	61	10-371-6353	Peabody	82,400	73,700	75,100	72,000	70,600	119,100	121,900	112,500	94,400	68,100	76,400	77,800	1,044,000	87,000
6	NEP	62	96-152-2786	NP - Princeton	3,262	2,975	3,091	1,517	1,909	3,104	3,043	2,885	2,290	2,436	2,926	3,251	32,689	2,724

LOAD VALUE (kW)																			
					Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total Annual Network Load	Average Monthly Network Load	
Total Local Network Load (kW):					19,642,075	18,040,416	17,943,023	16,264,385	19,689,763	25,410,471	25,811,118	24,417,421	21,176,831	16,501,002	18,554,100	18,820,420	242,271,025	20,189,256	
Local Network	Local Network Name																		
1	BE				3,914,468	3,601,259	3,611,731	3,454,431	3,849,159	5,392,131	5,548,671	5,192,569	4,522,686	3,390,161	3,673,344	3,727,158	49,877,768	4,156,482	
2	BHE				257,849	247,390	242,535	220,003	225,494	245,437	270,561	283,287	236,389	231,630	256,212	258,134	2,974,921	247,910	
4	CMP				1,417,060	1,356,889	1,340,730	1,196,140	1,202,260	1,433,930	1,505,920	1,532,900	1,308,080	1,258,410	1,390,723	1,393,689	16,336,731	1,361,394	
6	NEP				5,553,963	5,144,449	5,164,346	4,501,491	5,341,243	7,430,708	7,495,087	7,085,205	6,052,188	4,588,977	5,260,087	5,361,973	68,979,717	5,748,311	
7	NU				6,869,788	6,183,568	6,117,568	5,558,382	7,438,833	8,960,117	9,011,639	8,476,893	7,396,554	5,615,311	6,433,566	6,515,172	84,577,391	7,048,116	
8	UI				668,007	618,272	609,633	566,220	784,602	955,916	996,292	899,395	818,039	597,072	628,022	639,525	8,780,995	731,750	
9	VELCO/VT Transco				886,304	819,495	787,527	707,210	784,070	904,857	893,783	865,940	771,669	755,843	840,834	850,472	9,868,004	822,335	
15	FGE				74,636	69,094	68,953	60,508	64,102	87,375	89,165	81,232	71,226	63,598	71,312	74,297	875,498	72,958	
LOAD VALUE (kW)																			
Total Network Load (kW)					19,642,075	18,040,416	17,943,023	16,264,385	19,689,763	25,410,471	25,811,118	24,417,421	21,176,831	16,501,002	18,554,100	18,820,420	242,271,025	20,189,256	
Local Network	Local Network Name	Network Load ID	Duns Number	Network Load Name	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total Annual Network Load	Average Monthly Network Load	
6	NEP	63	11-885-5188	Rowley	7,444	6,649	6,768	6,111	5,994	11,244	11,279	10,458	8,350	5,890	7,177	7,733	95,097	7,925	
6	NEP	64	78-451-8870	Shrewsbury	49,766	45,987	46,771	37,663	49,371	62,258	62,341	58,486	49,756	38,434	44,716	48,355	593,904	49,492	
6	NEP	65	15-586-0620	Sterling	9,636	9,059	8,975	7,047	8,368	10,887	10,917	11,564	9,318	8,044	9,391	10,196	113,402	9,450	
6	NEP	66	02-619-2302	Templeton	8,833	9,371	9,481	6,792	7,558	9,487	9,606	9,521	8,109	8,175	9,354	10,115	106,402	8,867	
6	NEP	67	15-415-7622	Wakefield	32,541	29,367	29,820	27,484	27,955	45,915	47,258	43,461	36,608	26,359	30,593	32,357	409,718	34,143	
6	NEP	68	12-787-0350	W.Boylston	9,878	8,951	9,122	7,086	8,649	11,985	12,348	11,451	9,596	7,449	9,284	9,939	115,738	9,645	
7	NU	70	00-694-8954	CMP - Bolt Hill	42,261	37,937	32,077	21,662	24,890	39,893	49,011	43,252	32,023	28,349	29,761	31,204	412,320	34,360	
7	NU	71	11-468-3899	Chicopee	75,758	69,250	68,793	56,179	89,040	94,870	96,702	89,350	79,512	56,101	71,580	69,799	916,934	76,411	
7	NU	72	96-773-8696	Conn. Mun. Elec. Enr. Co	240,039	220,626	217,510	205,470	271,140	306,361	324,972	308,840	283,132	237,521	239,116	275,094	3,129,821	260,818	
7	NU	73	08-465-0050	Holyoke	57,962	51,936	52,346	47,512	67,968	70,683	77,123	67,717	61,947	46,789	54,335	51,592	707,910	58,993	
7	NU	74	00-695-2626	Mass Elec - SBNG (R W)	98,743	78,036	79,859	61,834	100,854	109,582	117,790	106,196	84,298	69,612	79,405	86,841	1,073,050	89,421	
7	NU	76	19-548-8630	S.Hadley	19,965	19,039	18,747	15,147	24,684	27,503	27,257	25,251	21,357	15,479	18,964	18,820	252,213	21,018	
7	NU	77	00-691-7967	UI S/S	196,957	181,679	176,862	158,176	251,720	308,744	315,437	284,047	249,983	184,350	192,441	196,115	2,696,511	224,709	
7	NU	79	12-757-5165	NP - Chester	995	954	968	474	755	884	939	846	648	721	956	1,078	10,218	852	
7	NU	80	12-757-5165	Westfield	58,822	57,766	55,883	53,885	75,856	81,500	83,624	77,282	68,018	50,647	57,476	56,278	777,037	64,753	
8	UI	81	00-691-7967	United Illuminating	655,124	610,489	601,880	558,882	778,629	953,586	992,915	894,073	813,672	591,070	623,617	628,315	8,702,252	725,188	
9	VELCO/VT Transco	82	00-579-1934	Vermont Electric Power Co	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	NU	83	00-881-9492	NHEC	153,579	115,861	121,244	81,739	82,949	133,580	123,998	134,162	101,025	97,121	112,606	149,270	1,407,134	117,261	
8	UI	84	00-691-7090	NU-Branford Railroad 48R Su	5,107	2,167	2,425	3,342	3,357	1,864	3,377	2,000	1,916	3,203	1,667	3,434	33,859	2,822	
6	NEP	85	00-881-9492	New Hampshire Electric Co-d	1,797	1,695	1,731	908	1,172	1,621	1,672	1,518	1,168	1,397	1,623	1,621	17,923	1,494	
6	NEP	91	86-703-4654	North Reading	32,886	29,497	29,446	29,282	28,627	48,434	48,321	44,792	36,389	24,696	27,392	29,763	409,525	34,127	
7	NU	94	00-697-1352	Citizens Utilities	225	195	199	124	123	170	149	170	113	186	203	222	2,079	173	
7	NU	95	11-923-4722	Ashland	3,429	2,860	2,997	2,416	2,392	2,809	3,094	2,942	2,584	2,296	2,693	2,738	33,250	2,771	
7	NU	96	11-923-4722	New Hampton	581	565	526	355	340	453	464	482	438	430	579	461	5,674	473	
4	CMP	97	05-448-1341	FPL Energy	0	31	36	105	76	0	16	58	14	50	0	36	422	35	
6	NEP	98	04-661-6033	Taunton	104,690	99,340	98,790	89,480	121,840	151,220	152,429	144,860	122,700	91,680	102,220	100,860	1,380,109	115,009	
6	NEP	99	00-176-6260	NP - MBTA - EUA	234	454	228	32	31	35	37	37	38	195	221	220	1,762	147	
6	NEP	100	15-597-6665	Middleboro	40,652	35,793	35,653	31,819	42,759	59,536	58,786	56,260	47,826	36,991	42,790	41,294	530,159	44,180	
6	NEP	101	06-984-9461	Pascoag	9,732	9,202	9,019	6,821	9,775	11,853	12,235	11,620	10,036	8,326	9,796	10,171	118,586	9,882	
6	NEP	102	00-697-1352	Public Service of NH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	NEP	103	01-821-3640	ANP Bellingham	2,000												2,000	167	
6	NEP	103	96-890-9739	ANP Bellingham		0	0	0	0	3,000	0	0	0	0	1,000	1,000	0	5,000	417
4	CMP	105	16-966-8212	Westbrook Energy Center	0	0	0	543	623	0	0	0	0	0	0	0	1,166	97	
8	UI	106	84-878-4257	PSEG - Energy Resources &	4,176	5,616	5,328	3,744	2,016	0	0	3,024	2,160	2,736	2,304	7,344	38,448	3,204	
7	NU	108	00-378-9070	Unitil Energy Systems Inc.	203,149	181,148	184,818	178,094	164,310	275,235	246,325	263,393	217,157	167,432	189,017	192,488	2,462,566	205,214	
4	CMP	111	05-448-1341	CMP FPL Madison Electric W	5,750	5,797	5,500	4,460	24,540	4,660	5,160	5,050	4,390	4,812	5,622	5,981	81,722	6,810	
9	VELCO/VT Transco	113	00-697-1352	Public Service of New Hamps	23,135	22,525	20,415	16,755	20,469	26,131	24,232	23,901	21,284	19,433	22,044	21,748	262,072	21,839	
7	NU	114	04-024-9997	Town of Wolfeboro Municipal			10,708	8,924	9,193	13,446	13,223	13,608	10,062	9,301	10,255	10,803	109,523	9,127	
7	NU	114	XX-XX5-5555	Town of Wolfeboro Municipal	12,222	10,188											22,410	1,868	
9	VELCO/VT Transco	115	00-881-9492	New Hampshire Electric Co-d	2,911	2,719	2,399	1,970	1,603	2,219	2,209	2,011	2,030	1,970	2,526	2,944	27,511	2,293	
9	VELCO/VT Transco	116	08-910-3543	Vermont Marble	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	VELCO/VT Transco	117	14-660-0585	Vermont Electric Cooperative	70,582	68,432	64,733	56,346	45,816	62,867	61,816	60,742	60,006	59,310	71,368	76,234	758,252	63,188	

LOAD VALUE (kW)																		
					Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total Annual Network Load	Average Monthly Network Load
Total Local Network Load (kW):					19,642,075	18,040,416	17,943,023	16,264,385	19,689,763	25,410,471	25,811,118	24,417,421	21,176,831	16,501,002	18,554,100	18,820,420	242,271,025	20,189,256
Local Network	Local Network Name																	
1	BE				3,914,468	3,601,259	3,611,731	3,454,431	3,849,159	5,392,131	5,548,671	5,192,569	4,522,686	3,390,161	3,673,344	3,727,158	49,877,768	4,156,482
2	BHE				257,849	247,390	242,535	220,003	225,494	245,437	270,561	283,287	236,389	231,630	256,212	258,134	2,974,921	247,910
4	CMP				1,417,060	1,356,889	1,340,730	1,196,140	1,202,260	1,433,930	1,505,920	1,532,900	1,308,080	1,258,410	1,390,723	1,393,689	16,336,731	1,361,394
6	NEP				5,553,963	5,144,449	5,164,346	4,501,491	5,341,243	7,430,708	7,495,087	7,085,205	6,052,188	4,588,977	5,260,087	5,361,973	68,979,171	5,748,311
7	NU				6,869,788	6,183,568	6,117,568	5,558,382	7,438,833	8,960,117	9,011,639	8,476,893	7,396,554	5,615,311	6,433,566	6,515,172	84,577,391	7,048,116
8	UI				668,007	618,272	609,633	566,220	784,602	955,916	996,292	899,395	818,039	597,072	628,022	639,525	8,780,995	731,750
9	VELCO/VT Transco				886,304	819,495	787,527	707,210	784,070	904,857	893,783	865,940	771,669	755,843	840,834	850,472	9,868,004	822,335
15	FGE				74,636	69,094	68,953	60,508	64,102	87,375	89,165	81,232	71,226	63,598	71,312	74,297	875,498	72,958
Total Network Load (kW):					19,642,075	18,040,416	17,943,023	16,264,385	19,689,763	25,410,471	25,811,118	24,417,421	21,176,831	16,501,002	18,554,100	18,820,420	242,271,025	20,189,256
Local Network	Local Network Name	Network Load ID	Duns Number	Network Load Name	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total Annual Network Load	Average Monthly Network Load
9	VELCO/VT Transco	118	02-065-4430	Burlington Electric Power	49,103	48,261	44,738	42,426	57,670	63,102	62,478	62,102	53,038	46,460	47,593	43,669	620,640	51,720
9	VELCO/VT Transco	119	11-923-4722	Vermont Public Power Supply	80,616	77,826	71,702	61,660	56,350	68,255	67,035	66,281	63,336	63,816	75,779	79,764	832,990	69,416
9	VELCO/VT Transco	120	96-258-1922	Central Vermont Public Serv	397,782	372,146	353,048	310,259	340,638	400,151	393,746	385,486	331,420				3,284,676	273,723
9	VELCO/VT Transco	121	03-647-6141	Green Mountain Power	244,395	216,931	220,611	210,198	252,567	271,197	271,179	254,669	231,966	556,461	605,554	611,211	3,946,939	328,912
7	NU	122	00-695-6551	Western Mass Electric Comp	603,241	548,252	548,733	497,332	710,532	754,640	782,331	719,186	633,296	487,997	573,742	553,732	7,413,014	617,751
7	NU	123	00-691-7090	Connecticut Light and Power	3,793,992	3,433,698	3,355,440	3,064,170	4,499,477	5,129,978	5,274,628	4,808,539	4,255,715	3,071,919	3,581,547	3,586,049	47,855,152	3,987,929
7	NU	124	00-697-1352	Public Service of New Hamp	1,300,052	1,165,593	1,181,600	1,097,809	1,055,135	1,606,187	1,472,899	1,527,318	1,290,256	1,081,416	1,207,888	1,224,139	15,210,292	1,267,524
6	NEP	126	16-035-2865	Merrill Lynch Commodities, Ir	1,902	0	0	504	0	0	0	0	0	0	1,970	1,855	6,231	519
6	NEP	128	17-160-5301	Dominion Manchester Street	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	NEP	129	16-872-3166	Dominion Brayton Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	NEP	130	17-160-5194	Dominion Salem Harbor	0	0	0	0	4,711	0	0	0	0				4,711	393
6	NEP	130	96-796-3906	Salem Harbor	0	0	0	0	0	0	0	0	3,224	2,712	0	0	5,936	495
6	NEP	132	25-990-9513	Brascan Energy Marketing	0	0	0	51	525	0	0	0	51	0	0	0	627	52
1	BE	133	00-176-6328	Massport	26,534	25,195	25,396	26,023	24,340	32,264	31,836	30,820	27,626	23,680	25,414	25,022	324,150	27,013
1	BE	136	00-695-1552	NSTAR Electric Co. (NEMAS	2,421,214	2,242,983	2,261,483	2,300,542	2,439,103	3,309,303	3,397,268	3,132,140	2,814,629	2,188,704	2,275,797	2,307,559	31,090,725	2,590,894
1	BE	137	00-695-1552	NSTAR Electric Co. (SEMAS	842,491	753,565	743,374	605,854	793,698	1,208,837	1,258,333	1,215,887	975,735	665,283	784,736	795,393	10,643,186	886,932
1	BE	138	00-176-6260	MBTA - NSTAR (NEMASS &	55,592	55,529	56,118	44,725	46,471	53,806	52,905	51,287	51,676	44,455	51,168	54,675	618,407	51,934
1	BE	139	00-176-6260	MBTA - NSTAR (SEMASS)	1,835	1,990	1,921	1,622	1,278	1,220	1,180	1,166	1,213	1,612	1,729	1,439	18,205	1,517
6	NEP	140	00-695-2626	Massachusetts Electric (SEM	854,739	803,162	801,658	679,611	893,845	1,216,547	1,224,891	1,163,448	991,635	713,284	819,558	831,016	10,993,394	916,116
6	NEP	141	00-695-2626	Massachusetts Electric (WCM	1,545,041	1,431,086	1,447,177	1,272,949	1,474,965	1,924,767	1,951,633	1,811,434	1,583,766	1,261,733	1,440,539	1,489,154	18,634,244	1,552,854
6	NEP	142	00-695-2626	Massachusetts Electric (NEM	865,390	793,620	803,014	673,592	669,083	1,161,195	1,172,601	1,080,718	881,748	695,255	794,120	828,741	10,419,077	868,256
6	NEP	143	03-647-6141	Green Mountain Power (New	34,937	28,226	28,663	22,194	34,256	46,370	40,818	43,394	37,511	38,687	58,807	50,569	464,432	38,703
6	NEP	144	03-647-6141	Green Mountain Power (WCM	30,724	15,553	17,802	8,484	10,469	11,746	12,069	11,658	9,659	10,933	29,847	16,164	185,108	15,426
6	NEP	145	00-176-6260	NP MBTA - NEP (SEMASH)	27	85	90	1	2	2	3	2	3	47	33	33	328	27
6	NEP	146	00-176-6260	NP MBTA - NEP (WCMASH)	114	131	143	64	72	63	59	63	55	69	111	116	1,060	88
6	NEP	147	00-176-6260	NP MBTA - NEP (NEMASH)	6,247	6,277	6,129	3,911	4,636	4,280	4,253	3,881	4,543	3,880	4,127	5,665	57,829	4,819
6	NEP	150	01-426-7137	Transcanada Power Marketin	0	0	0	0	0	0	0	0	57	0	0	0	57	5
6	NEP	151	01-426-7137	Transcanada Power Marketin	96	92	95	248	203	74	98	116	84	76	179	339	1,700	142
1	BE	152	00-799-8644	NP - Nantucket (R W)	22,697	19,058	17,920	13,515	20,317	33,682	40,929	41,478	30,511	19,636	22,262	19,293	301,298	25,108
1	BE	153	05-448-1341	N EA Bellingham	1,028	829	910	0	882	0	0	0	0	747	777	1,051	6,224	519
1	BE	154	02-606-6550	MATEP, LLC	15,130	9,986	9,839	18,772	22,048	16,491	18,214	27,113	25,838	22,420	16,016	14,991	216,858	18,072
6	NEP	155	00-695-2626	Somerset Power station servi				414	414	444	414	432	0	0	0	0	2,118	177
6	NEP	155	02-825-5979	Somerset Power station servi	474	456	444										1,374	115
6	NEP	156	96-439-5342	BG Dighton Power station ser	513	448	416	0	0	0	0	0	0	0	378	324	2,079	173
7	NU	157	80-693-1007	Milford Power	0	0	0	1,728	0								1,728	144
7	NU	157	96-439-5342	Milford Power						0	0	0	0	0	0	0	0	0
15	FGE	158	00-695-4317	Fitchburg Gas & Electric Ligh	74,636	69,094	68,953	60,508	64,102	87,375	89,165	81,232	71,226	63,598	71,312	74,297	875,498	72,958
7	NU	159	02-825-5979	Devon Off-line Sta. Serv.Lo	762	609	630	374	390	390	362	345	383	325	632	665	5,867	489
7	NU	160	02-825-5979	Middletown Off-line Sta. Serv	1,708	1,653	1,713	1,400	1,326	1,379	461	1,260	1,035	1,744	1,764	1,669	17,112	1,426
7	NU	161	02-825-5979	Montville Off-line Sta. Serv.L	1,326	1,273	1,284	892	1,023	4	9	833	824	912	1,217	1,302	10,899	908
7	NU	162	02-825-5979	Norwalk Harbor Off-line Sta. S	943	937	912	1,057	2,742	0	0	1,045	1,045	1,013	1,114	1,070	11,878	990
7	NU	163	04-042-2193	MP2 Off-line Station Service	0	0	0	0	0	0	0	0	0	0	2,977	0	2,977	248

LOAD VALUE (kW)																		
				Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total Annual Network Load	Average Monthly Network Load	
Total Local Network Load (kW):				19,642,075	18,040,416	17,943,023	16,264,385	19,689,763	25,410,471	25,811,118	24,417,421	21,176,831	16,501,002	18,554,100	18,820,420	242,271,025	20,189,256	
Local Network	Local Network Name																	
1	BE			3,914,468	3,601,259	3,611,731	3,454,431	3,849,159	5,392,131	5,548,671	5,192,569	4,522,686	3,390,161	3,673,344	3,727,158	49,877,768	4,156,482	
2	BHE			257,849	247,390	242,535	220,003	225,494	245,437	270,561	283,287	236,389	231,630	256,212	258,134	2,974,921	247,910	
4	CMP			1,417,060	1,356,889	1,340,730	1,196,140	1,202,260	1,433,930	1,505,920	1,532,900	1,308,080	1,258,410	1,390,723	1,393,689	16,336,731	1,361,394	
6	NEP			5,553,963	5,144,449	5,164,346	4,501,491	5,341,243	7,430,708	7,495,087	7,085,205	6,052,188	4,588,977	5,260,087	5,361,973	68,979,717	5,748,311	
7	NU			6,869,788	6,183,568	6,117,568	5,558,382	7,438,833	8,960,117	9,011,639	8,476,893	7,396,554	5,615,311	6,433,566	6,515,172	84,577,391	7,048,116	
8	UI			668,007	618,272	609,633	566,220	784,602	955,916	996,292	899,395	818,039	597,072	628,022	639,525	8,780,995	731,750	
9	VELCO/VT Transco			886,304	819,495	787,527	707,210	784,070	904,857	893,783	865,940	771,669	755,843	840,834	850,472	9,868,004	822,335	
15	FGE			74,636	69,094	68,953	60,508	64,102	87,375	89,165	81,232	71,226	63,598	71,312	74,297	875,498	72,958	
Total Network Load (kW)				19,642,075	18,040,416	17,943,023	16,264,385	19,689,763	25,410,471	25,811,118	24,417,421	21,176,831	16,501,002	18,554,100	18,820,420	242,271,025	20,189,256	
Local Network	Local Network Name	Network Load ID	Duns Number	Network Load Name	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Total Annual Network Load	Average Monthly Network Load
7	NU	164	04-042-2193	MP3 Offline Station Service Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	VELCO/VT Transco	165	02-813-4570	Town of Stowe Electric Dept.	17,780	10,655	9,881	7,596	8,957	10,365	11,088	10,748	8,589	8,393	15,970	14,902	134,924	11,244
7	NU	166	82-524-2444	Waterbury Generation Sta. Srv	178	0	0	368	0	0	0	0	0	105	0	136	787	66
8	UI	168	24-309-3411	Bridgeport Energy-Station Service Load	3,600	0	0	0	600	0	0	0	0	0	0	0	4,200	350
6	NEP	169	01-821-3640	ANP Power Milford	130												130	11
6	NEP	169	96-890-9739	ANP Power Milford		43	350	173	216	0	0	0	0	0	475	216	1,473	123
6	NEP	170	13-038-5763	L'Energia Montgomery	490	403	403	0	317	0	0	0	0	0	0	432	2,045	170
7	NU	171	00-347-1322	Kleen Energy Station Service Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	NU	172	01-580-7673	GenConn Devon Units 15-18 offline s/s	671	564	572	446	0	580	548	554	464	449	678	656	6,182	515
7	NU	173	01-580-7673	GenConn Middletown 12-15 offline s/s	516	486	490	334	0	369	293	275	0	0	0	0	2,763	230
1	BE	174	00-195-0773	SEMASS Station Service	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	NU	175	82-857-9206	Granite Reliable Power offline s/s	1,090	890	902	0	0	877	0	0	0	777	0	0	4,536	378
7	NU	176	78-413-2388	Northfield Mt Off Line Station Srv	622	333	425	481	735	0	0	0	381	773	364	342	4,456	371
7	NU	177	78-413-2388	Cabot Off Line Station Srv	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	NU	178	78-413-2388	Mt. Tom Station Service Load	0	1,240	1,330	0	1,259	0	0	0	858	893	1,208	1,440	8,228	686
8	UI	179	07-836-8911	PSEGNH			0	252	0	466	0	298	291	63	434	432	2,236	186
6	NEP	181	96-258-1922	Central Vt Pub. Srv (WCMASS)						0	0	0	0	0			0	0
7	NU	182	61-094-0921	Russell Municipal Light Department										653	873	900	2,426	202
7	NU	183	94-737-6422	Groton Wind Farm SS										0	175	269	444	37
6	NEP	184	94-737-6422	Hoosac Wind SS												147	147	12

Attachment 2

**PTOs' Annual Transmission Revenue Requirement Calculations
Pursuant to Attachment F
Based on 2012 Actual Data, 2013 Forecasted Data and Annual True-up**

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

Shading denotes an input

Submitted on:	20 May 2013
Revenue Requirements for (year):	Calendar Year 2013
Customer:	Bangor Hydro Electric Company
Customer's NABs Number:	002
Name of Participant responsible for customer's billing:	Bangor Hydro Electric Company
DUNs number of Participant responsible for customer's billing:	006949002

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I	\$802,810 (a)	\$46,821,573 (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	<u>\$145,248 (c)</u>	<u>\$0 (h)</u>
Total of Attachment F - Section (L through O)	<u>(\$11,213) (d)</u>	<u>(\$638,594) (i)</u>
Sub Total - Sum (A through I) - J + K + (L through O)	<u>\$936,845 (e)=(a)-(b)+(c)+(d)</u>	<u>\$46,182,979 (j)</u>
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>NA</u>	<u>\$4,439,124 (k)</u>
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>(\$55,246) (l)</u>	<u>(\$3,758,991) (m)</u>
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>\$881,599 (n)=(e)+(l)</u>	<u>\$46,863,112 (o)=(j)+(k)+(m)</u>
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals, Forecasted Revenue Requirements, and True-ups (including interest).		<u>\$47,744,711 (p) = (n) + (o)</u>

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
PRE-1997

Shading denotes an input

		Attachment F Reference		
Line No.	I. INVESTMENT BASE	Section:	Total	Reference
1	Transmission Plant	(A)(1)(a)	5,382,079	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	84,907	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)		5,466,986	
5	Accumulated Depreciation	(A)(1)(d)	(555,564)	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(900,485)	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)	(69,067)	Worksheet 3, line 15 column 5
9	Net Investment (Line 4+5+6+7+8)		3,941,870	
10	Prepayments	(A)(1)(h)	6,029	Worksheet 3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	146	Worksheet 3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	25,368	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		3,973,413	
II.	REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	598,505	Worksheet 2
15	Depreciation Expense	(B)	97,667	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)	(370)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	47,310	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	2,000	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	27,423	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	30,275	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)	145,248	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)	(14,398)	from G/L
28	Transmission Rents Received from Electric Property	(O)	3,185	Exhibit: Transmission Rents
29	Total Revenue Requirements (Line 14 thru 28)		936,845	

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
POST-1996

Shading denotes an input

		Attachment F				
		Reference	Post-96 (less NRI)	NRI	Total	Reference
Line No.	I. INVESTMENT BASE	Section:				
1	Transmission Plant	(A)(1)(a)	164,390,544	142,132,418	306,522,962	from GL, Worksheet 3 line 1
2	General Plant	(A)(1)(b)	4,835,533	n/a	4,835,533	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)		169,226,077	142,132,418	311,358,495	
5	Accumulated Depreciation	(A)(1)(d)	(20,324,487)	(11,315,456)	(31,639,943)	from GL / Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(36,510,895)	(14,772,652)	(51,283,547)	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)	(3,933,440)	n/a	(3,933,440)	Worksheet 3, line 15 column 5
9	Net Investment (Line 4+5+6+7+8)		108,457,255	116,044,309	224,501,565	
10	Prepayments	(A)(1)(h)	343,362	n/a	343,362	Worksheet 3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	8,305	n/a	8,305	Worksheet 3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	410,744	n/a	410,744	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		109,219,666	116,044,309	225,263,976	
II. REVENUE REQUIREMENTS			Post-96 (less NRI)	NRI	Total	
14	Investment Return and Income Taxes	(A)	33,931,513	1,254,636	35,186,149	Worksheet 2
15	Depreciation Expense	(B)			5,562,282	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)			(21,056)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)			2,694,375	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)			113,874	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)			1,561,743	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)			1,724,206	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)			(819,981)	from GL
28	Transmission Rents Received from Electric Property	(O)			181,387	Exhibit: Transmission Rents
29	Total Revenue Requirements (Line 14 thru 28)				46,182,979	

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
PRE-1997

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 197,272,725	35.90%	6.74%	2.42%	
PREFERRED STOCK	366,400	0.07%	7.00%	0.00%	0.00%
COMMON EQUITY	351,907,746	64.04%	11.64%	7.45%	7.45%
TOTAL INVESTMENT RETURN	\$ 549,546,871	100.01%		9.87%	7.45%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0987

$$\begin{aligned}
 \text{(b) Federal Income Tax} &= \left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}} \\
 &= \left(\frac{0.0745 + \left(\frac{(370) + 3,674}{3,973,413} \right)}{1} \right) \times \frac{0.35}{0.35} \\
 &= 0.0405631
 \end{aligned}$$

$$\begin{aligned}
 \text{(c) State Income Tax} &= \left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate} \\
 &= \left(\frac{0.0745 + \left(\frac{(370) + 3,674}{3,973,413} \right)}{1} \right) + \frac{0.0405631}{0.0893} \times 0.0893 \\
 &= 0.0113642
 \end{aligned}$$

(a)+(b)+(c) Cost of Capital Rate = 0.1506273

	(PTF)	
INVESTMENT BASE	\$ 3,973,413	From Worksheet 1
x Cost of Capital Rate	0.1506273	
= Investment Return and Income Taxes	598,505	To Worksheet 1

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
POST-1996

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 197,272,725	35.90%	6.74%	2.42%	
PREFERRED STOCK	366,400	0.07%	7.00%	0.00%	0.00%
COMMON EQUITY	<u>351,907,746</u>	<u>64.04%</u>	11.64%	<u>7.45%</u>	<u>7.45%</u>
TOTAL INVESTMENT RETURN	<u>\$ 549,546,871</u>	<u>100.01%</u>		<u>9.87%</u>	<u>7.45%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0987

$$\begin{aligned}
 \text{(b) Federal Income Tax} &= \left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}} \\
 &= \left(\frac{0.0745 + \left(\frac{(21,056) + 209,240}{225,263,976} \right)}{1} \right) \times \frac{0.35}{0.35} \\
 &= \underline{0.0405652}
 \end{aligned}$$

$$\begin{aligned}
 \text{(c) State Income Tax} &= \left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate} \\
 &= \left(\frac{0.0745 + \left(\frac{(21,056) + 209,240}{225,263,976} \right)}{1} \right) + \frac{0.0405652}{0.0893} \times 0.0893 \\
 &= \underline{0.0113648}
 \end{aligned}$$

(a)+(b)+(c) Cost of Capital Rate = 0.1506300

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 225,263,976	From Worksheet 1
x Cost of Capital Rate	0.1506300	
= Investment Return and Income Taxes	<u>33,931,513</u>	To Worksheet 1

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
POST-2003 (NRI)

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 197,272,725	35.90%	0.00%	0.00%	
PREFERRED STOCK	366,400	0.07%	0.00%	0.00%	0.00%
COMMON EQUITY	351,907,746	64.04%	1.0%	0.64%	0.64%
TOTAL INVESTMENT RETURN	\$ 549,546,871	100.01%		0.64%	0.64%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0064

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

= $\left(\frac{0.0064}{1} \times \frac{0.35}{0.35} \right)$

= 0.0034462

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

= $\left(\frac{0.0064}{1} + \frac{0.0034462}{0.0893} \right) \times 0.0893$

= 0.0009655

(a)+(b)+(c) Cost of Capital Rate = 0.0108117

(PTF)

INVESTMENT BASE (NRI) \$ 116,044,309 From Worksheet 1

x Cost of Capital Rate 0.0108117

= Investment Return and Income Taxes 1,254,636 To Worksheet 1

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
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					5,382,079	Line 1, Worksheet 5
2	50,129,447	13.4010% (a)	6,717,847	1.2639%	84,907	Page 207.96g
3			6,717,847		5,466,986	
4	0		0	1.2639%	0	Page 214
<u>Transmission Accumulated Depreciation</u>						
5	(40,959,405)		(40,959,405)	1.2639%	(517,686)	Page 219.25b
6	(22,363,445)	13.4010% (a)	(2,996,925)	1.2639%	(37,878)	Page 219.28b
7			(43,956,330)		(555,564)	
<u>Transmission Accumulated Deferred Taxes</u>						
8			(73,976,457) (d)	1.2639%	(934,988)	Page 450.1 Footnote
9			2,729,914 (e)	1.2639%	34,503	Page 234 Footnote
10			(71,246,543)		(900,485)	
11	0	55.2506% (c)	0	1.2639%	0	Page 111.81c
<u>Other Regulatory Assets</u>						
12	(40,777,547)	13.4010% (a)	(5,464,599)	1.2639%	(69,067)	Page 232.23f - Page 278.1f + part of Page 122a (Column C)
13	0	(f)	0	1.2639%	0	FAS 106 portion of AOCI
14	0	55.2506% (c)	0	1.2639%	0	Excluded in Lines 8 & 9
15	(40,777,547)		(5,464,599)		(69,067)	n/a
16	3,559,591	13.4010% (a)	477,021	1.2639%	6,029	Page 111.57c
17	11,538		11,538	1.2639%	146	Page 227.8c
18			146			
19					27,423	Worksheet 1, Line 20
20					30,275	Worksheet 1, Line 21
21					145,248	Worksheet 1, Line 24
22					202,946	
23					0.125	x 45 / 360
24					25,368	

(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

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
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	Transmission Plant		0		306,522,962	Line 1, Worksheet 5
2	General Plant	50,129,447	13.4010% (a)	71.9804%	4,835,533	Page 207.96g
3	Total (line 1+2)		<u>6,717,847</u>		<u>311,358,495</u>	
4	<u>Transmission Plant Held for Future Use</u>	0	0	71.9804%	<u>0</u>	Page 214
	<u>Transmission Accumulated Depreciation</u>					
5	Transmission Accum. Depreciation	(40,959,405)	(40,959,405)	71.9804%	(29,482,744)	Page 219.25b
6	General Plant Accum. Depreciation	(22,363,445)	(2,996,925)	71.9804%	(2,157,199)	Page 219.28b
7	Total (line 5+6)		<u>(43,956,330)</u>		<u>(31,639,943)</u>	
	<u>Transmission Accumulated Deferred Taxes</u>					
8	Accumulated Deferred Taxes (281-283)		(73,976,457) (d)	71.9804%	(53,248,550)	Page 450.1
9	Accumulated Deferred Taxes (190)		2,729,914 (e)	71.9804%	1,965,003	Page 234 Footnote
10	Total (line 8+9)		<u>(71,246,543)</u>		<u>(51,283,547)</u>	
11	<u>Transmission loss on Reacquired Debt</u>	0	55.2506% (c)	71.9804%	<u>0</u>	Page 111.81c
	<u>Other Regulatory Assets</u>					
12	FAS 106	(40,777,547)	13.4010% (a)	71.9804%	(3,933,440)	Page 232.23f - Page 278.1f + part of
13	FAS 109	0	55.2506% (c)	71.9804%	0	Page 122a (Column C)
14	Other Regulatory Liabilities (254.DK)	0	55.2506% (c)	71.9804%	0	Excluded in Lines 8 & 9
15	Total (line 12+13+14)	<u>(40,777,547)</u>	<u>(5,464,599)</u>		<u>(3,933,440)</u>	n/a
16	<u>Transmission Prepayments</u>	3,559,591	13.4010% (a)	71.9804%	<u>343,362</u>	Page 111.57c
17	<u>Transmission Materials and Supplies</u>	11,538	11,538	71.9804%	<u>8,305</u>	Page 227.8c
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				1,561,743	Worksheet 1, Line 20
20	Administrative & General Expense				1,724,206	Worksheet 1, Line 21
21	Transmission Support Expense				0	Worksheet 1, Line 24
22	Subtotal (line 19+20+21)				3,285,949	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				<u>410,744</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

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
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>Depreciation Expense</u>					
1	7,318,494		7,318,494	1.2639%	92,498	Page 336.7b
2	3,052,020	13.4010% (a)	409,001	1.2639%	5,169	Page 336.10b
3			7,727,495		97,667	
4	0	55.2506% (c)	0	1.2639%	0	Page 117.64c
5	52,945	55.2506% (c)	29,252	1.2639%	370	Page 266.8f
	<u>Property Taxes</u>					
6	6,774,962	55.2506% (c)	3,743,207	1.2639%	47,310	Page 262-263, Note d
8			3,743,207		47,310	
	<u>Transmission Operation and Maintenance</u>					
9	(23,922,905)		(23,922,905)	1.2639%	(302,362)	Page 321.112b
10	(27,037,230)		(27,037,230)	1.2639%	(341,724)	Page 321.96b
11	944,646		944,646	1.2639%	11,939	Page 321.84b-88b
12	**Station Expenses & Rents - #562 / #567				0	Page 321.93b & .98b
13	2,169,679		2,169,679	1.2639%	27,423	
	<u>Transmission Administrative and General</u>					
14	17,498,002					Page 323.197b
15	144,042					Page 323.185b
16	889,159					Page 350 (351.46[h+k])
17	0					Page 323.191b
18	16,464,801	13.4010% (a)	2,206,448	1.2639%	27,887	
19	144,042	55.2506% (c)	79,584	1.2639%	1,006	
20	197,918	55.2506% (c)	109,351	1.2639%	1,382	Exhibit: Reg Comission Expenses
21	0	55.2506% (c)	0	1.2639%	0	
22	16,806,761		2,395,383		30,275	
23	1,180,521	13.4010% (a)	158,202	1.2639%	2,000	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	10,395	page 263.9i			
	FICA	1,143,903	page 263.6i			
	Medicare	0				
	State Unemployment	26,223	page 263.13i			
	Total	1,180,521	To Line 23			
** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.						
	<u>Appropriate Property Taxes</u>					
	BHE 2012	5,899,176	page 263.17i			
	BHE 2011	875,786	page 263.18i			
	Total	6,774,962	To Line 6			

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
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	7,318,494		7,318,494	71.9804%	5,267,881	Page 336.7b
2	3,052,020	13.4010% (a)	409,001	71.9804%	294,401	Page 336.10b
3			<u>7,727,495</u>		<u>5,562,282</u>	
4	0	55.2506% (c)	0	71.9804%	0	Page 117.64c
5	52,945	55.2506% (c)	29,252	71.9804%	21,056	Page 266.8f
	<u>Property Taxes</u>					
6	6,774,962	55.2506% (c)	3,743,207	71.9804%	2,694,375	Page 262-263 FN.1-2
8			<u>3,743,207</u>		<u>2,694,375</u>	
	<u>Transmission Operation and Maintenance</u>					
9	(23,922,905)		(23,922,905)	71.9804%	(17,219,803)	Page 321.112b
10	(27,037,230)		(27,037,230)	71.9804%	(19,461,506)	Page 321.96b
11	944,646		944,646	71.9804%	679,960	Page 321.84b-88b
12	**Station Expenses & Rents - #562 / #567				0	Page 321.93b & .98b
13	<u>2,169,679</u>		<u>2,169,679</u>	71.9804%	<u>1,561,743</u>	
	<u>Transmission Administrative and General</u>					
14	17,498,002					Page 323.197b
15	less Property Insurance (#924)					Page 323.185b
16	less Regulatory Commission Expenses (#928)					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	PLUS Property Insurance alloc. using Plant Allocation					
20	PLUS Regulatory Comm. Exp. (FERC Assessments)					Exhibit: Reg Commission Expenses
21	PLUS Trans. Related General Advertising Expense					
22	<u>16,806,761</u>		<u>2,395,383</u>		<u>1,724,206</u>	
23	Payroll Tax Expense	13.4010% (a)	158,202	71.9804%	113,874	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, page 263.i ,263.1i					
	Federal Unemployment		10,395			
	FICA		1,143,903			
	Medicare		0			
	State Unemployment		26,223			
	<u>Total</u>		<u>1,180,521</u>			To Line 23
** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.						
	<u>Appropriate Property Taxes</u>					
	BHE 2012		5,899,176			
	BHE 2011		<u>875,786</u>			
	<u>Total</u>		<u>6,774,962</u>			To Line 6

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
PRE-1997

Shading denotes an input

Line No.		Total	FERC Form 1 Reference
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	5,382,079	Exhibit PTF Plant Page 207.58g
2	Total Transmission Investment	425,842,242	
3	Percent Allocation (Line 1/Line 2)	1.2639%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,422,044	Page 354.21b Worksheet 6
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	1,422,044	
7	Total Wages and Salaries	14,685,742	Page 354.28b Page 354.27b Worksheet 6
8	Administrative and General Wages and Salaries	4,074,275	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	10,611,467	
11	Percent Allocation (Line 6/Line 10)	13.4010%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	425,842,242	Page 207.58g Worksheet 3, Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	6,717,847	
14	= Revised Numerator (Line 12 + Line 13)	432,560,089	
15	Total Plant in Service	782,905,283	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	55.2506%	

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
POST-1996

Shading denotes an input

Line No.		Total	FERC Form 1 Reference
<u>PTF Transmission Plant Allocation Factor</u>			
1	PTF Transmission Investment	306,522,962	Exhibit PTF Plant Page 207.58g
2	Total Transmission Investment	425,842,242	
3	Percent Allocation (Line 1/Line 2)	71.9804%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,422,044	Page 354.21b Worksheet 6
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	1,422,044	
7	Total Wages and Salaries	14,685,742	Page 354.28b
8	Administrative and General Wages and Salaries	4,074,275	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)	10,611,467	
11	Percent Allocation (Line 6/Line 10)	13.4010%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	425,842,242	Page 207.58g
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	6,717,847	<i>Worksheet 3, Line 2</i>
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	432,560,089	
15	Total Plant in Service	782,905,283	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	55.2506%	

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
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

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012

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)		7,284
	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			40,586
	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)		97,378
	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	145,248

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

145,248

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
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	\$990,309	\$49,820,747	Sub-Total ATRR plus FTRR (excludes ATU) "Summary", line 29 (before FTRR & ATU)
2	Prior Year (Actual) Revenue Requirement	TY 2012		\$936,845	\$46,182,979	
3	Under / (Over) Forecast (Lines 2 - 1)			(\$53,464)	(\$3,637,768)	
4	Annual True Up (ATU)	06/11-05/12		(\$53,464)	(\$3,637,768)	

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
FORECAST

Shading denotes an input

Attachment F

Reference

I. <u>FORECASTED TRANSMISSION REVENUE REQUIREMENTS</u>		Period	Section:	POST-1996	Reference
Line No.					
1	Forecasted Transmission Plant Additions	2010	Appendix C	\$29,061,250	Exh :Forecast Plant
2	Carrying Charge Factor		Appendix C	15.28%	
3	Total Forecasted Revenue Requirements (Lines 1*2)			<u>\$4,439,124</u>	
II. <u>CARRYING CHARGE FACTOR</u>					
4	Investment Return and Income Taxes		(A)	\$35,186,149	Worksheet 1 Post-96, line 14
5	Depreciation Expense		(B)	\$5,562,282	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)	(\$21,056)	Worksheet 1 Post-96, line 17
8	Property Tax Expense		(E)	\$2,694,375	Worksheet 1 Post-96, line 18
9	Payroll Tax Expense		(F)	\$113,874	Worksheet 1 Post-96, line 19
10	Operation & Maintenance Expense		(G)	\$1,561,743	Worksheet 1 Post-96, line 20
11	Administrative & General Expense		(H)	\$1,724,206	Worksheet 1 Post-96, line 21
12	Total Expenses (Lines 4 thru 11)			<u>\$46,821,573</u>	
13	PTF Transmission Plant		(A)(1)(a)	<u>\$306,522,962</u>	Worksheet 1 Post-96, line 1
14	Carrying Charge Factor (Lines 12/13)			<u>15.28%</u>	

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
SUMMARY

Line No.		Attachment F Reference Section:	Pre-97 Total	Post-96 Total	Reference
I. INVESTMENT BASE					
1	Transmission Plant	(A)(1)(a)	5,382,079	306,522,962	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	84,907	4,835,533	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)		5,466,986	311,358,495	
5	Accumulated Depreciation	(A)(1)(d)	(555,564)	(31,639,943)	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(900,485)	(51,283,547)	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)	(69,067)	(3,933,440)	Worksheet 3, line 15 column 5
9	Net Investment (Line 4+5+6+7+8)		3,941,870	224,501,565	
10	Prepayments	(A)(1)(h)	6,029	343,362	Worksheet 3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	146	8,305	Worksheet 3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	25,368	410,744	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		3,973,413	225,263,976	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	(A)	598,505	35,186,149	Worksheet 2
15	Depreciation Expense	(B)	97,667	5,562,282	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)	(370)	(21,056)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	47,310	2,694,375	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	2,000	113,874	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	27,423	1,561,743	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	30,275	1,724,206	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)	145,248	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)	(14,398)	(819,981)	Worksheet 1, line 27
28	Transmission Rents Received from Electric Property	(O)	3,185	181,387	Worksheet 1, line 28
29	Total Revenue Requirements (Line 14 thru 28)		936,845	46,182,979	

Interest

**Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements of PTF Facilities
For Costs In 2012
INTEREST**

Shading denotes an input

Pre 97 Under / (Over) (\$53,464)	Post-96 Under/ (Over) (\$3,637,768)
-------------------------------------	--

Initial Billing Period	Pre-97 Balance	Post-96 Balance	FERC Monthly Interest Rate	Pre-97 Interest	Post-96 Interest
June-12	\$ (53,464)	\$ (3,637,768)	0.27%	\$ (144)	\$ (9,822)
July-12	\$ (53,608)	\$ (3,647,590)	0.28%	\$ (150)	\$ (10,213)
August-12	\$ (53,608)	\$ (3,647,590)	0.28%	\$ (150)	\$ (10,213)
September-12	\$ (53,608)	\$ (3,647,590)	0.27%	\$ (145)	\$ (9,848)
October-12	\$ (54,053)	\$ (3,677,865)	0.28%	\$ (151)	\$ (10,298)
November-12	\$ (54,053)	\$ (3,677,865)	0.27%	\$ (146)	\$ (9,930)
December-12	\$ (54,053)	\$ (3,677,865)	0.28%	\$ (151)	\$ (10,298)
January-13	\$ (54,502)	\$ (3,708,392)	0.28%	\$ (153)	\$ (10,383)
February-13	\$ (54,502)	\$ (3,708,392)	0.25%	\$ (136)	\$ (9,271)
March-13	\$ (54,502)	\$ (3,708,392)	0.28%	\$ (153)	\$ (10,383)
April-13	\$ (54,944)	\$ (3,738,429)	0.27%	\$ (148)	\$ (10,094)
May-13	\$ (54,944)	\$ (3,738,429)	0.28%	\$ (154)	\$ (10,468)
Total Interest				\$ (1,782)	\$ (121,223)
True-Up				(\$53,464)	(\$3,637,768)
Total TU & Int				\$ (55,246)	\$ (3,758,991)

Exhibit: Regulatory Commission Expenses

Bangor Hydro-Electric Company (BHE)
Annual Revenue Requirements for Transmission Facilities
Regulatory Commission Expenses for 2012
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)	\$ 30,477	Exhibit: Outside Legal Expenses (#923), line 13c
2	Regulatory commission expenses booked to Account 928	\$ 889,158	FF1 pg 350.46d
3	Line 2, directly attributable to Transmission		
a	Annual Federal Regulatory Assessment	\$ 146,857	FF1 pg 350.2d
b	General Transmission	\$ 1,767	FF1 pg 350.4d
c	Transmission Tariff filings	\$ 1,341	FF1 pg 350.8d
d	First Wind	\$ 17,476	FF1 pg 350.5d
e			
f			
g			
h			
i			
4			
5	Account 928 directly related to Transmission	\$ 167,441	
6			
7			
8			
9	Total	\$ 197,918	Line 1+5+6+7
10			
11	a	b	c
12	Notes		
13	1) 2008		
14	2) 2009		
	3) 2010		

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements for Transmission Facilities
Transmission Rents for 2012

Line	Line	Miles	Rate (\$/mile/year)			Fee
1	Line 205	5.36	\$	3,600	\$	19,296
2	Line 246	7.22	\$	3,600	\$	25,992
3	Line 60	20.3	\$	3,600	\$	73,080
4	Line 73	2.82	\$	3,600	\$	10,152
5	Line 78	6.45	\$	3,600	\$	23,220
6	Line 77	2.57	\$	3,600	\$	9,252
7	Line 11	6.55	\$	3,600	\$	23,580
8	Total				\$	184,572

Bangor Hydro-Electric Company
2012 PTF Plant Calculation
Additions, Retirements and Transfers
Summary By FERC Account

Line	a	b	c	d	e	f
1			2011 Total PTF Plant			
2	FERC		total	pre-97	post-96	post-03
3	350 Transmission Land	\$	13,207,845	\$ 78,755	\$ 3,371,371	\$ 9,757,720
4	353 Substations	\$	73,030,995	\$ 5,327,045	\$ 2,143,726	\$ 65,560,224
5	354 Towers and Fixtures	\$	9,312,136	\$ 26,741	\$ -	\$ 9,285,395
6	355 Poles and Fixtures	\$	83,943,333	\$ 72,612	\$ 3,073,324	\$ 80,797,397
7	356 Overhead Conductors	\$	55,767,715	\$ (123,073)	\$ 3,460,492	\$ 52,430,295
8	357 Underground Conduits	\$	29	\$ -	\$ -	\$ 29
9	358 Underground Conductors	\$	17,422	\$ -	\$ -	\$ 17,422
10	359 Roads and Trails	\$	-	\$ -	\$ -	\$ -
11		\$	235,279,475	\$ 5,382,079	\$ 12,048,913	\$ 217,848,483
12						
13						
14			2012 Incremental PTF			
15	FERC		total	pre-97	post-96	post-03
16	350 Transmission Land	\$	11,774,812	\$ -	\$ -	\$ 11,774,812
17	353 Substations	\$	21,514,098	\$ -	\$ -	\$ 21,514,098
18	354 Towers and Fixtures	\$	-	\$ -	\$ -	\$ -
19	355 Poles and Fixtures	\$	20,259,215	\$ -	\$ (16,585)	\$ 20,275,800
20	356 Overhead Conductors	\$	23,075,550	\$ -	\$ (3,170)	\$ 23,078,721
21	357 Underground Conduits	\$	-	\$ -	\$ -	\$ -
22	358 Underground Conductors	\$	1,890	\$ -	\$ -	\$ 1,890
23	359 Roads and Trails	\$	-	\$ -	\$ -	\$ -
24		\$	76,625,566	\$ -	\$ (19,755)	\$ 76,645,321
25						
26						
27			2012 Total PTF			
28	FERC		total	pre-97	post-96	post-03
29	350 Transmission Land	\$	24,982,657	\$ 78,755	\$ 3,371,371	\$ 21,532,531.51
30	353 Substations	\$	94,545,093	\$ 5,327,045	\$ 2,143,726	\$ 87,074,323
31	354 Towers and Fixtures	\$	9,312,136	\$ 26,741	\$ -	\$ 9,285,395
32	355 Poles and Fixtures	\$	104,202,548	\$ 72,612	\$ 3,056,740	\$ 101,073,197
33	356 Overhead Conductors	\$	78,843,265	\$ (123,073)	\$ 3,457,322	\$ 75,509,016
34	357 Underground Conduits	\$	29	\$ -	\$ -	\$ 29
35	358 Underground Conductors	\$	19,312	\$ -	\$ -	\$ 19,312
36	359 Roads and Trails	\$	-	\$ -	\$ -	\$ -
37		\$	311,905,041	\$ 5,382,079	\$ 12,029,158	\$ 294,493,804

Exhibit: Outside Legal Expenses (#923)

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirements for Transmission Facilities
Monthly Outside Legal Expenses (Account 923) for 2012
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	\$ 117.00	\$ -
2	Feb-12	\$ 483.80	\$ -
3	Mar-12	\$ -	\$ -
4	Apr-12	\$ 41,920.57	\$ 18,922.65
5	May-12	\$ 14,860.18	\$ -
6	Jun-12	\$ 12,334.70	\$ 3,700.72
7	Jul-12	\$ 2,833.33	\$ -
8	Aug-12	\$ 8,195.78	\$ -
9	Sep-12	\$ 2,567.04	\$ 1,353.12
10	Oct-12	\$ 8,234.12	\$ 2,244.40
11	Nov-12	\$ 41,081.01	\$ 1,042.59
12	Dec-12	\$ 10,507.69	\$ 3,213.99
13	Total	\$ 143,135.22	\$ 30,477.47

Bangor Hydro Electric Company (BHE)
Annual Revenue Requirement for Transmission Facilities
Total Forecasted Transmission Plant (FTPA) for 2013

Line	Capital Additions:	RSP ID	PTF
1	K-396 Series Breaker--Orrington	1197	\$ 1,761,250
2	Rebel Hill Switching Station	1031	\$ 9,300,000
3	Line 66 (renamed Line 51 & 93)	1154	\$ 17,500,000
4	Epping Cap Bank	1155	\$ 500,000
8			
9	Total Forecasted Transmission Plant Additions = FTPA		<hr/> \$ 29,061,250

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: 5/11/2013

Revenue Requirements for (year): 2012

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

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I =	<u>252,009</u> (a)	<u>3,233,053</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>89,903</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>341,912</u> (e)=(a)-(b)+(c)+(d)	<u>3,233,053</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements		<u>0</u> (m)
Annual True-up	<u>111,232</u>	<u>1,121,645</u> (n)
Interest Charge on Annual True-up	<u>3,650</u> (l)	<u>36,802</u> (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	<u>456,794</u> (p)	<u>4,391,500</u> (q)
Annual Projected 2008 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>4,848,294</u></u> (r) = (p)+(q)

Braintree Electric Light Department
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2012 and billed 06/12-05/13

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	21,621,455	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	7,410	94,029	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)		1,711,313	21,715,484	
5	Accumulated Depreciation	I (A)(1)(d)	796,749	10,109,902	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)		914,564	11,605,582	
10	Prepayments	I (A)(1)(h)	131	1,664	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	1,627	20,650	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	9,785	23,254	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		926,107	11,651,150	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	74,089	932,092	Worksheet 2
15	Depreciation Expense	I (B)	60,268	764,761	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)	17,318	219,268	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	729	9,253	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	4,537	57,570	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	10,139	128,464	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)	63,600	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)		230,680	2,111,408	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			2,278,488	
31	Post-2003 Enhanced Return Addition to Revenue Requirement			-	
32	Total Post-96 PTF Revenue Requirement			2,278,488	
33	Post-96 PTF Transmission Plant in Service			21,621,455	
34	Post-96 Carrying Charge Factor (Post-96 CCF)			9.8%	
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

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

1 2012 Actual Annual RR			341,912	3,233,053	Input Panel Subtotals
2 2012 Est. Transmission Revenue Requirements (as billed)	6/12-05/13	Appendix C	230,680	2,111,408	ATRR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)			111,232	1,121,645	

Pre'97
Post'96

Overcollection/(Undercollection)	
	\$111,232
	\$1,121,645

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2012	\$111,232	\$1,121,645	0.27%	\$300	\$3,028
July 2012	111,532	1,124,673	0.27%	301	\$3,037
August 2012	111,532	1,124,673	0.27%	301	\$3,037
September 2012	111,532	1,124,673	0.27%	301	\$3,037
October 2012	112,436	1,133,783	0.27%	304	\$3,061
November 2012	112,436	1,133,783	0.27%	304	\$3,061
December 2012	112,436	1,133,783	0.27%	304	\$3,061
January 2013	113,346	1,142,967	0.27%	306	\$3,086
February 2013	113,346	1,142,967	0.27%	306	\$3,086
March 2013	113,346	1,142,967	0.27%	306	\$3,086
April 2013	114,265	1,152,225	0.27%	309	\$3,111
May 2013	114,265	1,152,225	0.27%	309	\$3,111
		Total Interest		\$3,650	\$36,802
		True-Up		\$111,232	\$1,121,645
		Total TU & Int		\$114,882	\$1,158,447

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: 14-May-13

Revenue Requirements for (year): Calendar Year 2012

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

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I =	<u>252,009</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>89,903</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>341,912</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:

341,912 (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: 341,912 (l)=(k)+(b)+(g)-(h)

(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2012

Shading denotes an input

		Attachment F		
		Reference	Braintree	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	1,703,903	Worksheet 3a, L10
2	General Plant	(A)(1)(b)	6,101	Worksheet 3a, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3a, L14
4	Total Plant (Lines 1+2+3)		1,710,004	
5	Accumulated Depreciation	(A)(1)(d)	840,779	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)		869,225	
10	Prepayments	(A)(1)(h)	79	Worksheet 3a, L34
11	Materials & Supplies	(A)(1)(i)	1,273	Worksheet 3a, L36
12	Cash Working Capital	(A)(1)(j)	24,997	Worksheet 3a, 44
13	Total Investment Base (Line 9+10+11+12)		895,574	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	71,646	Worksheet 2a, E56
15	Depreciation Expense	(B)	53,085	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)	16,657	Worksheet 4a, L21
19	Payroll Tax Expense	(F)	547	Worksheet 4a, L42
20	Operation & Maintenance Expense	(G)	100,635	Worksheet 4a, L29
21	Administrative & General Expense	(H)	9,439	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)	89,903	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)		341,912	
			252,009	

Braintree Electric Light Department**Annual Revenue Requirements - 2012****Calendar Year 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2009	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 109,845,000	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	\$ 109,845,000	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{895,574} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{895,574} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

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

(PTF)

INVESTMENT BASE	\$ 895,574	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>71,646</u>	To Worksheet 1

Braintree Electric Light Department

Calendar Year 2012

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	\$ 24,337,752		24,337,752		1,703,903	Worksheet 5, E12
2	\$ 18,108,184	0.4812% (a)	87,137	7.0011%	6,101	Page 8B line 29(g)
3			24,424,889		1,710,004	
4	0		0	7.0011%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	11,979,038		11,979,038	7.0011%	838,664	Page 8A, line 31(g) less Page 16, line 31(g)
6	6,278,850	0.4812% (a)	30,214	7.0011%	2,115	Page 8B, line 29(g) less Page 17, line 29(g)
7			12,009,252		840,779	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	10.5430% (c)	0	7.0011%	0	None known
9	0	10.5430% (c)	0	7.0011%	0	None known
10			0		0	
11	0	10.5430% (c)	0	7.0011%	0	None known
<u>Other Regulatory Assets</u>						
12	0	0.4812% (a)	0	7.0011%	0	None known
13	0	10.5430% (c)	0	7.0011%	0	None known
14	0	10.5430% (c)	0	7.0011%	0	
15	0		0		0	
16	233,661	0.4812% (a)	1,124	7.0011%	79	Page 10, Line 26 MA DTE
17	3,779,146	0.4812%	18,185	7.0011%	1,273	Page 10, Line 24 MA DTE
<u>Cash Working Capital</u>						
19					100,635	Worksheet 1, Line 20
20					9,439	Worksheet 1, Line 21
21					89,903	Worksheet 1, Line 24
22					199,977	
23					0.125	x 45 / 360
24					24,997	

(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 2012

(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	755,605		755,605	7.0011%	52,901	Page 16, line 31(d)
2	547,280	0.4812% (a)	2,634	7.0011%	184	Page 17, line 29(d)
3			758,239		53,085	
4	0	10.5430% (c)	0	7.0011%	0	None known
5	0	10.5430% (c)	0	7.0011%	0	None known
<u>Property Taxes *</u>						
6	2,158,230	0.10543	227,542	7.0011%	15,930	Page 21, line 33 (b)
7	2,158,230	0.4812% (a)	10,385	7.0011%	727	Page 21, line 33 (b)
8			237,927		16,657	
<u>Transmission Operation and Maintenance</u>						
9	1,437,414		1,437,414	0.070011	100,635	Page 40, line 50(b)
10	0		0	0.070011	0	Page 40, line 38(b)
11	0		0	0.070011	0	Page 40, line 34(b)
12	0		0	0.070011	0	Page 40, line 35(b) 40(b)
13	1,437,414		1,437,414	7.0011%	100,635	
<u>Transmission Administrative and General</u>						
14	8,504,306					Page 42, line 5(b)
15	933,160					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	0					assumed none
18	7,571,146	0.4812% (a)	36,432	7.0011%	2,551	
19	933,160	10.5430% (c)	98,383	7.0011%	6,888	
20	0	10.5430% (c)	0	7.0011%	0	
21	0	10.5430% (c)	0	7.0011%	0	
22	8,504,306		134,815		9,439	
23	1,624,746	0.4812% (a)	7,818	7.0011%	547	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	Per Braintree Workpapers Page 8A, line 31(g)
2	Total Transmission Investment	24,337,752	
3	Percent Allocation (Line 1/Line 2)	7.0011%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	37,057	See BELD General Ledger Worksheet 6 of 7
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	37,057	
7	Total Wages and Salaries	8,634,478	Page 42, line 24 (c) Page 41, line 43(b) Worksheet 6
8	Administrative and General Wages and Salaries	933,160	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	7,701,318	
11	Percent Allocation (Line 6/Line 10)	0.4812%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	24,337,752	Line 2 Worksheet 3, Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	87,137	
14	= Revised Numerator (Line 12 + Line 13)	24,424,889	
15	Total Plant in Service	231,668,178	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	10.5430%	

Calendar Year 2012

Sheet: Worksheet 6 of 7

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		
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		

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.

			TOTAL	
Participant	PTF Supporting Facilities	FERC Form 1	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]		\$1,149
	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			\$8,374
	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]		\$20,091
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		\$2,645
NEP	115 kV Read - Washington V148 line			
NU	345 kV 363, 369 and 394 Seabrook lines			\$2,453
	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				\$55,191
Total =			0	89,903

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: 11-May-13

Revenue Requirements for (year): Calendar Year 2012

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>(a)</u>	<u>3,233,053 (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>(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>0 (e)=(a)-(b)+(c)+(d)</u>	<u>3,233,053 (j)</u>
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		<u>3,233,053 (k) = (e) + (j)</u>
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		<u>0 (b)</u>
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		<u>0 (g)</u>
Total of Attachment F - Section K - Post-96 Support Expense (from above)		<u>0 (h)</u>
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		<u>3,233,053 (l)=(k)+(b)+(g)-(h)</u>

Calendar Year 2012

Shading denotes an input

		Attachment F		
		Reference	Braintree	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	21,935,203	Worksheet 3a, L10
2	General Plant	(A)(1)(b)	79,726	Worksheet 3a, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3a, L14
4	Total Plant (Lines 1+2+3)		22,014,929	
5	Accumulated Depreciation	(A)(1)(d)	10,824,147	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)		11,190,782	
10	Prepayments	(A)(1)(h)	1,028	Worksheet 3a, L34
11	Materials & Supplies	(A)(1)(i)	16,639	Worksheet 3a, L36
12	Cash Working Capital	(A)(1)(j)	177,172	Worksheet 3a, 44
13	Total Investment Base (Line 9+10+11+12)		11,385,621	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	910,850	Worksheet 2a, E56
15	Depreciation Expense	(B)	683,423	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)	214,249	Worksheet 4a, L21
19	Payroll Tax Expense	(F)	7,153	Worksheet 4a, L42
20	Operation & Maintenance Expense	(G)	1,295,517	Worksheet 4a, L29
21	Administrative & General Expense	(H)	121,861	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)		3,233,053	

Braintree Electric Light Department**Annual Revenue Requirements - 2012****Calendar Year 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2006	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 109,845,000	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	\$ 109,845,000	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{11,385,621} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{11,385,621} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

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

(PTF)

INVESTMENT BASE \$ 11,385,621 From Worksheet 1

x Cost of Capital Rate 0.0800000

= Investment Return and Income Taxes 910,850 To Worksheet 1

Braintree Electric Light Department

Calendar Year 2012

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	\$ 24,337,752		24,337,752		21,935,203	Worksheet 5, E12
2	\$ 18,108,184	0.4885% (a)	88,458	90.1283%	79,726	Page 8B line 29(g)
3	Total (line 1+2)		24,426,210		22,014,929	
4	Transmission Plant Held for Future Use		0	90.1283%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	Transmission Accum. Depreciation		11,979,038	90.1283%	10,796,503	Page 8A, line 31(g) less Page 16, line 31(g)
6	General Plant Accum. Depreciation	0.4885% (a)	30,672	90.1283%	27,644	Page 8B, line 29(g) less Page 17, line 29(g)
7	Total (line 5+6)		12,009,710		10,824,147	
<u>Transmission Accumulated Deferred Taxes</u>						
8	Accumulated Deferred Taxes (281-283)	10.5259% (c)	0	90.1283%	0	None known
9	Accumulated Deferred Taxes (190)	10.5259% (c)	0	90.1283%	0	None known
10	Total (line 8+9)		0		0	
11	Transmission loss on Reacquired Debt	10.5259% (c)	0	90.1283%	0	None known
<u>Other Regulatory Assets</u>						
12	FAS 106	0.4885% (a)	0	90.1283%	0	None known
13	FAS 109	10.5259% (c)	0	90.1283%	0	None known
14	Other Regulatory Liabilities (254.DK)	10.5259% (c)	0	90.1283%	0	
15	Total (line 12+13+14)		0		0	
16	Transmission Prepayments	0.4885% (a)	1,141	90.1283%	1,028	Page 10, Line 26 MA DTE
17	Transmission Materials and Supplies	0.4885%	18,461	90.1283%	16,639	Page 10, Line 24 MA DTE
<u>Cash Working Capital</u>						
19	Operation & Maintenance Expense				1,295,517	Worksheet 1, Line 20
20	Administrative & General Expense				121,861	Worksheet 1, Line 21
21	Transmission Support Expense				0	Worksheet 1, Line 24
22	Subtotal (line 19+20+21)				1,417,378	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				177,172	

(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 2012

(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	755,605		755,605	90.1283%	681,014	Page 16, line 31(d)
2	547,280	0.4885% (a)	2,673	90.1283%	2,409	Page 17, line 29(d)
3			758,278		683,423	
4	0	10.5259% (c)	0	90.1283%	0	None known
5	0	10.5259% (c)	0	90.1283%	0	None known
<u>Property Taxes *</u>						
6	2,158,230	0.105259	227,173	90.1283%	204,747	Page 21, line 33 (b)
7	2,158,230	0.4885% (a)	10,543	90.1283%	9,502	Page 21, line 33 (b)
8			237,716		214,249	
<u>Transmission Operation and Maintenance</u>						
9	1,437,414		1,437,414	0.901283	1,295,517	Page 40, line 50(b)
10	0		0	0.901283	0	Page 40, line 38(b)
11	0		0	0.901283	0	Page 40, line 34(b)
12	0		0	0.901283	0	Page 40, line 35(b) 40(b)
13	1,437,414		1,437,414	90.1283%	1,295,517	
<u>Transmission Administrative and General</u>						
14	8,504,306					Page 42, line 5(b)
15	933,160					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	0					assumed none
18	7,571,146	0.4885% (a)	36,985	90.1283%	33,334	
19	933,160	10.5259% (c)	98,223	90.1283%	88,527	
20	0	10.5259% (c)	0	90.1283%	0	
21	0	10.5259% (c)	0	90.1283%	0	
22	8,504,306		135,208		121,861	
23	1,624,746	0.4885% (a)	7,937	90.1283%	7,153	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 2012

Line No.			Mass DTE AR Reference
	<u>PTF Transmission Plant Allocation Factor</u>	Braintree	
1	PTF Transmission Investment	21,935,203	Per Braintree Workpapers
2	Total Transmission Investment	24,337,752	Page 8A, line 31(g)
3	Percent Allocation (Line 1/Line 2)	90.1283%	
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	37,057	See BELD General Ledger
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 of 7
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	37,057	
7	Total Wages and Salaries	8,634,478	Page 42, line 24 (c)
8	Administrative and General Wages and Salaries	1,047,888	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)	7,586,590	
11	Percent Allocation (Line 6/Line 10)	0.4885%	
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	24,337,752	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)	24,385,168	
15	Total Plant in Service	231,668,178	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	10.5259%	

Affiliated Company Wages and Salaries

 Shading denotes an input

Calendar Year 2012

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	Total "Affiliated" less A&G	0

BRAINTREE

PTF Revenue Requirements

Sheet: Worksheet 7

Calendar Year 2012

Worksheet 7 of 7

*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.

			TOTAL	
Participant	PTF Supporting Facilities	FERC Form 1	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)

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

Submitted on:	May 13, 2013
Revenue Requirements for (test year):	Calendar Year 2012
Rates Effective for the period:	June 1, 2013
through:	May 31, 2014
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	= \$ 15,760,902 (a)	\$ 166,753,910 (f)
Total of Attachment F - Section J - Support Revenue	384,414 (b)	- (g)
Total of Attachment F - Section K - Support Expense	683,350 (c)	- (h)
Total of Attachment F - Section (L through O)	(432,252) (d)	(2,064,482) (i)
Sub Total - Sum (A through I) - J + K + (L through O)	15,627,586 (e)=(a)-(b)+(c)+(d)	164,689,428 (j)
Forecasted Transmission Revenue Requirements (per Appendix C to Attachment F Implementation Rule)	N/A	42,531,620 (k)
Annual True-up (per Appendix C to Attachment F Implementation Rule)	(43,533) (l)	(2,230,886) (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	\$ 15,584,053 (n)=(e)+(l)	\$ 204,990,162 (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>\$ 220,574,215</u> (p) = (n)+(o)

CMP Annual Revenue Requirements of PTF Facilities 2012					
Line No.		Attachment F Reference	PRE97	POST 1996	TOTAL
	I. INVESTMENT BASE				
		<i>Section:</i>			
1	Transmission Plant	(A)(1)(a)	\$ 107,164,018	511,827,300	\$ 618,991,318
2	General Plant	(A)(1)(b)	1,497,682	7,153,069	8,650,751
3	Plant Held For Future Use	(A)(1)(c)	407,653	1,946,987	2,354,640
4	Total Plant (Lines 1+2+3)		109,069,353	520,927,356	629,996,709
5	Accumulated Depreciation	(A)(1)(d)	(21,795,217)	(104,096,003)	(125,891,220)
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(16,258,075)	(77,650,093)	(93,908,168)
7	Loss On Reacquired Debt	(A)(1)(f)	113,875	543,880	657,755
8	Other Regulatory Assets	(A)(1)(g)	60,855	290,651	351,506
9	Net Investment (Line 4+5+6+7+8)		71,190,791	340,015,791	411,206,582
10	Prepayments	(A)(1)(h)	20,951	100,065	121,016
11	Materials & Supplies	(A)(1)(i)	889,449	4,248,094	5,137,543
12	Cash Working Capital	(A)(1)(j)	299,159	1,250,341	1,549,500
13	MPRP CWIP	II (A)(1)(k)	-	568,241,559	568,241,559
14	Total Investment Base (Line 9+10+11+12+13)		\$ 72,400,350	\$ 913,855,850	\$ 986,256,200
	II. REVENUE REQUIREMENTS				
15	Investment Return and Income Taxes	(A)	\$ 10,299,942	\$ 140,671,857	\$ 150,971,799
16	Depreciation Expense	(B)	2,255,981	10,774,778	13,030,759
17	Amortization of Loss on Reacquired Debt	(C)	34,074	162,738	196,812
18	Investment Tax Credit	(D)	(34,250)	(163,582)	(197,832)
19	Property Tax Expense	(E)	1,110,822	5,305,388	6,416,210
20	Payroll Tax Expense	(F)	-	-	-
21	Operation & Maintenance Expense	(G)	1,735,355	8,288,219	10,023,574
22	Administrative & General Expense	(H)	358,978	1,714,512	2,073,490
23	Transmission Related Integrated Facilities Charge	(I)	-	-	-
24	Transmission Support Revenue	(J)	(384,414)	-	(384,414)
25	Transmission Support Expense	(K)	683,350	-	683,350
26	Transmission Related Expense from Generators	(L)	-	-	-
27	Transmission Related Taxes and Fees Charge	(M)	-	-	-
28	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(432,252)	(2,064,482)	(2,496,734)
29	Transmission Rents Received from Electric Property	(O)	-	-	-
30	Total RNS Revenue Requirements before Forecast, Annual True-up and Assoc. Interest (Line 15 thru 29)		\$ 15,627,586	\$ 164,689,428	\$ 180,317,014

CMP
Annual Revenue Requirements of PTF Facilities
2011

Line No.	I. INVESTMENT BASE	Attachment F Reference			
			PRE 97	POST 1996	TOTAL
		<i>Section:</i>			
1	Transmission Plant	(A)(1)(a)	\$ 108,694,490	\$ 245,229,075	\$ 353,923,565
2	General Plant	(A)(1)(b)	1,891,274	4,266,961	6,158,235
3	Plant Held For Future Use	(A)(1)(c)	640,952	1,446,072	2,087,024
4	Total Plant (Lines 1+2+3)		111,226,716	250,942,108	362,168,824
5	Accumulated Depreciation	(A)(1)(d)	(34,780,771)	(78,469,969)	(113,250,740)
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(16,490,396)	(37,204,492)	(53,694,888)
7	Loss On Reacquired Debt	(A)(1)(f)	181,945	410,492	592,437
8	Other Regulatory Assets	(A)(1)(g)	103,358	233,190	336,548
9	Net Investment (Line 4+5+6+7+8)		60,240,852	135,911,329	196,152,181
10	Prepayments	(A)(1)(h)	31,952	72,088	104,040
11	Materials & Supplies	(A)(1)(i)	721,028	1,626,733	2,347,761
12	Cash Working Capital	(A)(1)(j)	398,358	790,918	1,189,276
13	MPRP CWIP	II (A)(1)(k)	-	469,939,977	469,939,977
14	Total Investment Base (Line 9+10+11+12+13)		\$ 61,392,190	\$ 608,341,045	\$ 669,733,235
	II. <u>REVENUE REQUIREMENTS</u>				
15	Investment Return and Income Taxes	(A)	\$ 9,182,804	\$ 98,625,879	\$ 107,808,683
16	Depreciation Expense	(B)	2,624,601	5,921,442	8,546,043
17	Amortization of Loss on Reacquired Debt	(C)	41,903	94,539	136,442
18	Investment Tax Credit	(D)	(42,120)	(95,029)	(137,149)
19	Property Tax Expense	(E)	1,203,915	2,716,189	3,920,104
20	Payroll Tax Expense	(F)	-	-	-
21	Operation & Maintenance Expense	(G)	2,405,294	5,426,659	7,831,953
22	Administrative & General Expense	(H)	399,217	900,687	1,299,904
23	Transmission Related Integrated Facilities Charge	(I)	-	-	-
24	Transmission Support Revenue	(J)	(309,217)	-	(309,217)
25	Transmission Support Expense	(K)	691,571	-	691,571
26	Transmission Related Expense from Generators	(L)	-	-	-
27	Transmission Related Taxes and Fees Charge	(M)	-	-	-
28	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(528,253)	(1,191,809)	(1,720,062)
29	Transmission Rents Received from Electric Property	(O)	-	-	-
30	Total RNS Revenue Requirements before Forecast, Annual True-up and Assoc. Interest (Line 15 thru 29)		\$ 15,669,715	\$ 112,398,557	\$ 128,068,272
31	Forecasted PTF Revenue Requirements - 2012		-	54,449,814	54,449,814
32	Total RNS Rev Req'ts subject to Annual True-up		\$ 15,669,715	\$ 166,848,371	\$ 182,518,087
33	PY true-up		(1,618,831)	(33,676,581)	(35,295,412)
34	Total RNS-6/1/12-5/31/13		\$ 14,050,884	\$ 133,171,791	\$ 147,222,675

CMP
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 = 2012 Actual	6/1/13-5/31/2014	\$ 15,627,586	\$ 164,689,428	\$ 180,317,014	Summary 6-1-13_5-31-14, line 30
2	ATRR subject to True-up = '11 TY + '12 Forecast (as billed)	6/1/12-5/31/2013	\$ 15,669,715	\$ 166,848,371	\$ 182,518,087	Summary 6-1-12_5-31-13, line 32
3	Annual True-up (Line 1 - Line 2)		\$ (42,129)	\$ (2,158,943)	\$ (2,201,072)	

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

PRE97 Post1996	Undercollection / (Overcollection)					
	(42,129)					
	(2,158,943)					
Initial Billing Period	PRE97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE97 Interest	POST 1996 Interest	
June 2012	(42,129)	(2,158,943)	0.27%	(114)	(5,829)	
July 2012	(42,243)	(2,164,773)	0.28%	(118)	(6,061)	
August 2012	(42,243)	(2,164,773)	0.28%	(118)	(6,061)	
September 2012	(42,243)	(2,164,773)	0.27%	(114)	(5,845)	
October 2012	(42,593)	(2,182,740)	0.28%	(119)	(6,112)	
November 2012	(42,593)	(2,182,740)	0.27%	(115)	(5,893)	
December 2012	(42,593)	(2,182,740)	0.28%	(119)	(6,112)	
January 2013	(42,947)	(2,200,857)	0.28%	(120)	(6,162)	
February 2013	(42,947)	(2,200,857)	0.25%	(107)	(5,502)	
March 2013	(42,947)	(2,200,857)	0.28%	(120)	(6,162)	
April 2013	(43,295)	(2,218,684)	0.27%	(117)	(5,990)	
May 2013	(43,295)	(2,218,684)	0.28%	(121)	(6,212)	
Total Interest				\$ (1,404)	\$ (71,943)	\$ (73,347)
True-Up				(42,129)	(2,158,943)	(2,201,072)
Total TU & Int				<u>\$ (43,533)</u>	<u>\$ (2,230,886)</u>	<u>\$ (2,274,419)</u>

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

			Attachment F					
			Reference					Reference
Line No.	II. INVESTMENT BASE		Section:					
1	Transmission Plant	II (A)(1)(a)	\$ 107,164,018					Worksheet 3, line 1 column 5
2	General Plant	II (A)(1)(b)	1,497,682					Worksheet 3, line 2 column 5
3	Plant Held For Future Use	II (A)(1)(c)	407,653					Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		109,069,353					
5	Accumulated Depreciation	II (A)(1)(d)	(21,795,217)					Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	II (A)(1)(e)	(16,258,075)					Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	II (A)(1)(f)	113,875					Worksheet 3, line 11 column 5
8	Other Regulatory Assets	II (A)(1)(g)	60,855					Worksheet 3, line 14 column 5
9	Net Investment (Line 4+5+6+7+8)		71,190,791					
10	Prepayments	II (A)(1)(h)	20,951					Worksheet 3, line 15 column 5
11	Materials & Supplies	II (A)(1)(i)	889,449					Worksheet 3, line 16 column 5
12	Cash Working Capital	II (A)(1)(j)	299,159					Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		\$ 72,400,350					
	II. REVENUE REQUIREMENTS							
14	Investment Return and Income Taxes	II (A)	\$ 10,299,942					Worksheet 2
15	Depreciation Expense	II (B)	2,255,981					Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	II (C)	34,074					Worksheet 4, line 4 column 5
17	Investment Tax Credit	II (D)	(34,250)					Worksheet 4, line 5 column 5
18	Municipal Taxes	II (E)	1,110,822					Worksheet 4, line 8 column 5
19	Payroll Taxes	II (F)	-					Worksheet 4, line 9 column 5
20	Operation & Maintenance Expense	II (G)	1,735,355					Worksheet 4, line 14 column 5
21	Administrative & General Expense	II (H)	358,978					Worksheet 4, line 18 column 5
22	Transmission Related Integrated Facilities Charge	II (I)	-					
23	Transmission Support Revenue	II (J)	(384,414)					Worksheet 7, line 11 column a
24	Transmission Support Expense	II (K)	683,350					Worksheet 7, line 11 column b
25	Transmission Related Expense from Generators	II (L)	-					
26	Taxes and Fees	II (M)	-					
27	Revenues for TOUT Transmission Service	II (N)	(432,252)					Worksheet 20
28	Transmission Rents Received from Electric Property	II (O)	-					
29	Total Revenue Requirements (Line 14 thru 28)		\$ 15,627,586					

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

[illegible]

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

			(2)		(4)					RNS Rate			
Line		(1)	Wage/Plant	(3) = (1)*(2)	PTF	(5) = (3)*(4)				Worksheet or			
No.		Total	Allocation	Transmission	Allocation	PTF				FERC Form 1			
			Factors	Allocated	Factor (b)	Allocated				Reference for col (1) or (5)			
	<u>Transmission Plant</u>												
1	Transmission Plant	-		-		107,164,018	(d)	w/s 5, line 1					
2	General Plant	192,276,304	6.4895%	(a) 12,477,771	12.0028%	1,497,682		w/s 17, line 5					
3	Total (line 1+2)			12,477,771		108,661,700							
4	<u>Transmission Plant Held for Future Use</u>	3,396,312		3,396,312	12.0028%	407,653		w/s 17, line 9					
	<u>Transmission Accumulated Depreciation</u>												
5	Transmission Accum. Depreciation	(176,113,787)		(176,113,787)	12.0028%	(21,138,586)		w/s 17, line 4					
6	General Plant Accum. Depreciation	(84,300,055)	6.4895%	(a) (5,470,652)	12.0028%	(656,631)		w/s 17, line 7					
7	Total (line 6+7)	(260,413,842)		(181,584,439)		(21,795,217)							
	<u>Transmission Accumulated Deferred Taxes</u>												
8	Accumulated Deferred Taxes (281-283)	(157,159,333)		(157,159,333)	12.0028%	(18,863,520)		See p. 450 notes for pages 274 & 276 (plus additional direct assignment of 11.9 mi)					
9	Accumulated Deferred Taxes (190)	21,706,980		21,706,980	12.0028%	2,605,445		w/s 21, line 2					
10	Total (line 8+9)	(135,452,353)		(135,452,353)		(16,258,075)							
11	<u>Unamortized loss on Reacquired Debt</u>	2,377,072	39.9122%	(c) 948,741	12.0028%	113,875		Page 111.81c					
	<u>Other Regulatory Assets</u>												
12	FAS 106	7,812,765	6.4895%	(a) 507,009				Page 232.1, line 25f					
13	FAS 109	-						DITs functionalized in FF 1 excluding FAS109 DITs, therefore the 109 reg asset is properly excluded.					
14	Total (line 12+13)	7,812,765		507,009	12.0028%	60,855							
15	<u>Transmission Prepayments</u>	2,689,778	6.4895%	(a) 174,553	12.0028%	20,951		FF I 111.57c					
16	<u>Transmission Materials and Supplies</u>	7,410,350		7,410,350	12.0028%	889,449		See note for page 227.12c on Page 450					
17	<u>Cash Working Capital</u>												
18	Operation & Maintenance Expense					1,735,355		Worksheet 1, Line 20					
19	Administrative & General Expense					358,978		Worksheet 1, Line 21					
20	Net Transmission Support Expense					298,936		Worksheet 7, Line 13b					
21	Subtotal (line 18+19+20)					2,393,269							
22						0.125		x 45 / 360					
23	Total (line 21 * line 22)					299,159							
	(a) Worksheet 5 of 8, line 11												
	(b) Worksheet 5 of 8, line 3												
	(c) Worksheet 5 of 8, line 16												
	(d) EHV/LV PTF Facilities												

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

[illegible]

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

					RNS Rate
					Worksheet or
Line					FERC Form 1
No.					Reference
	<u>PTF Transmission Plant Allocation Factor</u>				
			Pre 1997		
1	PTF Transmission Investment		107,164,018		w/s 15
2	Total Transmission Investment		892,828,660		w/s 15 & w/s 17 line 3
3	Percent Allocation (line 1/2)		12.0028%		
	<u>Transmission Wages and Salaries Allocation Factor</u>				
4	Direct Transmission Wages and Salaries		2,410,747		w/s 17, line 1
5	Affiliated Company Transmission Wages and Salaries		-		
6	Total Transmission Wages and Salaries (line 4+ 5)		2,410,747		
7	Total Wages and Salaries		42,224,703		Page 354.28b
8	Administrative and General Wages and Salaries		5,076,073		Page 354.27b
9	Affiliated Company Wages and Salaries less A&G		-		
10	Total Wages and Salaries net of A&G (line 7 - 8 + 9)		37,148,630		
11	Percent Allocation (line 6/10)		6.4895%		
	<u>Plant Allocation Factor</u>				
12	Total Transmission Investment (excluding capital leases)		892,828,660		ws 5 line 2
13	Transmission Related General Plant		12,477,771		ws 3 line 2, col. 3
14	Total Transmission Related Plant		905,306,431		
15	Total Electric Plant in Service (excludes capital leases)		2,268,245,626		Page 207.104g
16	Percent Allocation (line 14/15)		39.9122%		

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

Affiliated Company Wages and Salaries								
Line								
"Affiliated" Transmission Wages and Salaries				Transmission Wages by 3 digit FERC				
#560 - 573								
				560	455,530			
1	560		-	561-561.4	1,753,638	w/s 17 line 1b		
				561.5-561.8	95,320			
2	562		-	562	463,379			
3	564		-	563	74,987			
4	566		-	564	247			
5	568		-	566	552,920			
				567	371			
6	569		-	568	147,309			
7	570		-	569	34,849			
8	571		-	570	392,251			
9	572		-	571	162,915			
10	573		-	572	27,636			
11 = 1 thru 10	Total Transmission		-	573	3,033			
					4,164,385	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 CO.		
	Participant	PTF Supporting Facilities	Revenues (a)	Expenses (b)	
1	NSTAR:	HQ Phase II - AC in MA		34,109	1
2	Central Maine Power:	345 kV Buxton-South Gorham 386 line	275,857		2
3		115 kV Wyman 164-167 lines	102,037		3
4		115 kV Maine Yankee transmission	-		4
5		50% of double steel towers # 30-46 (sec 375)	6,520		5
6					6
7	New England Power:	Chester SVC		193,071	7
8		HQ Phase II - AC in MA		456,170	8
9					9
10					10
11	Total =		384,414	683,350	11
12					12
13		Net Support (line 11b - 11a)		298,936	13
	RNS Rate worksheet reference: col a - w/s 10, col b - w/s 11				
	<i>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.</i>				

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

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**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

	Acc't	Description	Amount				
1	920	Administrative and General Salaries	7,325,421				
2	921	Office Supplies and Expenses	3,118,313				
3	922	Less Administrative Expenses Transferred	(379,693)				
4	923	Outside Services	25,347,028				
5	924	Property Insurance	338,682				
6	925	Injuries and Damages	2,345,763				
7	926	Employee Pensions and Benefits	(7,692,128)				
8	928	Regulatory Commissions Expense	7,911,556		-		
9	930.1	General Advertising	895,812				
10	930.2	Miscellaneous General Expense	2,606,359				
11	931	Rents	1,350,499				
12	935	Maintenance of General Plant	2,192,034				
13		Total Admin & Gen'l Exp.	45,359,646	Page 323.197b			
14		FERC assessments - Transmission (directly assigned)	773,927	FF1 p. 350 l16d+18+19 - \$3.5 mil for MPUC Docket # 2008-255			
15		FERC assessments - subject to plant allocation factor	-	FF1 page 350.d			
16		TOTAL FERC ASSESSMENTS (14+15)	773,927	FF1 page 350.d			
17		State assessments - Transmission (directly assigned)	175,466	FF1 page 350.d			
18		Total State Assessments and Other	7,137,629	FF1 350.d lines 16-19 (includes \$3.5 mil for MPUC Docket # 2008-255)			
19	928	Total Regulatory Commissions Expense: (16+18) & from line 8	7,911,556	FF1 page 350.d, line 46			
20		General Advertising - Transmission related	-				
21		Non-Transmission related General Advertising Exp.	895,812	line 9 above			
22	930.1	Total General Advertising Exp. (line 9)	895,812				
		Summary of Attachment F treatment of A&G					
23		Total A&G (line 13)	45,359,646				
24	924	less Property Insurance (line 5)	338,682				
25	926	less pension credit directly assigned to T&D	(8,095,198)	MPUC Docket Nos. 2007-215/2008-111			
26	928	less Regulatory Commissions Exp. (line 19)	7,911,556				
27	930.1	less Non-Trans. General Advertising Exp. (line 9)	895,812				
28	920-935	less EPRI Expenses	-				
29		A&G subject to Wages and Salaries Allocation Factor:	44,308,794	to worksheet 4, line 15, column 1			
30		Property Insurance (line 5)	338,682				
31		Regulatory Commissions Exp. - FERC assessments (line 15)	-				
32		Total A&G subject to Plant Allocation Factor	338,682	to worksheet 4, line 16, column 1			
		Items Directly Assigned to Transmission					
33	926010	MRFV - transmission only portion of pension credit	(969,202)	MPUC Docket Nos. 2007-215/2008-111			
34		State assessments - Transmission (directly assigned) (Line 17 above)	175,466				
35		FERC Reg Comm Exp - Trans (directly assigned) (Line14 above)	773,927				
36		total to w/s 4, line 17	(19,809)	w/s 4, line 17			

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

	Party Billed	Facility/Nature of Revenues	RNS Rate	PTF	Non-PTF	Total	FERC Account
			Worksheet				
		Support	Reference				
1	MEPCO	Section 375/392	ws 7, line 5, col. (a)	(\$6,520)	-	(\$6,520)	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)	(102,037)	-	(102,037)	454
4	WF Wyman #4 Joint Owners	Section 386	ws 7, line 2, col. (a)	(275,857)	(404,108)	(679,964)	454
5	FPL			-	(197,578)	(197,578)	454
6	PSNH	Section 214 (from Kimball Rd substation)		-	-	-	454
7							
8		Total Support Revenues	ws 7, line 11, col. (a)	(\$384,414)	(\$601,686)	(\$986,099)	
9							
10		Wheeling					
11	Jurisdictional Sales			(154,619,448)	\$ -	(154,619,448)	FFI p330 lines 17 - 21
12	RNS, TOUT, Sch 1			(154,619,683)	-	(154,619,683)	FFI p330 line 14
13	HVDC - Sch 20A-CMP				(4,427,344)	(4,427,344)	FFI p330 lines 2 - 12
14							
15		Total Wheeling Revenues		(\$309,239,131)	(\$4,427,344)	(\$313,666,475)	FF 1 p330 total col n.
16							
17							
18							
19							
20							
21	RNS			148,258,483	450 Notes for FF1 p.328, line 14		
22	SCH 1			3,864,466			
23	TOUT			2,496,734			
24	TOTAL		line 12, above	154,619,683			

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

	Party Paid	facility/Nature of Expenses	RNS Rate	PTF	Non-PTF	Total	FERC Account
			Worksheet				
		Support	Reference				
1	Boston Edison	7.1205 % of the cost of service for HQ Ph II, AC	ws 7, line 1, col b	\$ 34,109	-	\$34,109	566
2	NEP	NEP Ph II, AC -O&M		179,819	-	179,819	566
3		NEP Ph II, AC -RENTS		128,258	-	128,258	567
4		NEP Ph II, AC -INTEREST		148,092	-	148,092	431
5		NEP Ph II, AC -TOTAL	ws 7, line 8, col b	456,170	-	456,170	
6		NHH- Chester SVC	ws 7, line 7, col b	193,071	-	193,071	566
7							
8		Total Support Expenses	ws 7, line 11, col b	\$ 683,350	-	\$683,350	
9							
10		Wheeling					
11							
12	ISO-NE	Charges under the OATT		101,386,697		\$101,386,697	lines 36 below
13	Bangor Hydro	Firm PTP Reservation for Energy Transferred to Herman Sta.		-	281,906	281,906	565 FF1 pg 332, line 4
14	ISO-NE	Sch 1 - Part IV of ISO-NE Tariff		1,984,537		1,984,537	line 37 below
15	PSNH	Bolt Hill		38,400		38,400	565010 F1 pg 332, line 2
16							
17		Total Wheeling Expenses		\$103,409,634	\$281,906	\$103,691,540	FERC Form 1 page 332
18							
19							
20							
21		SUMMARY BY FERC ACCOUNT:					
22		431				\$ 148,092	
23		565				103,691,540	FERC Form 1 page 332
24		566				406,999	
25		567 (566+567 to ws 4, line 13)			535,257	128,258	
26						\$ 104,374,890	
27							
28	RNS					\$ 95,753,620	
29	Sch 1					2,311,304	
30	Sch 2 -CC					1,590,980	
31	Sch 2 -VAR Uplift					730,837	
32	Congestion Uplift					7,630	
33	Sch 16					811,829	
34	Load Response					56,153	
35	Sch 5-NESCO					124,344	
36	Total Charges ISO OATT					101,386,697	
37	ISO-NE Sch 1					1,984,537	450.1 Notes for FFI p.332.6
38	Total ISO Tariff					\$ 103,371,234	565 FF1 pg 332, line 6.h.

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

				CAPITALIZATION		CAPITALIZATION		COST OF		COST OF		EQUITY
				12/31/2012		RATIOS		CAPITAL		CAPITAL		PORTION
	MED-TERM NOTES			365,700,000		18.356%		6.693%				
	POLLUTION CONTROL NOTES			19,500,000		0.979%		5.594%				
	FAME			-		0.000%		0.000%				
	MORTGAGE BONDS			375,000,000		18.823%		4.265%				
	TOTAL LONG-TERM DEBT	page 112.18c		760,200,000		38.158%		5.422%		2.069%		
	PREFERRED STOCK	page 112.3c		571,300		0.029%		6.000%		0.002%		0.002%
	COMMON EQUITY	page 112.16c less line 3c		1,231,502,338		61.814%		11.640%		7.195%		7.195%
	TOTAL INVESTMENT RETURN			1,992,273,638		100.00%				9.266%		7.197%

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

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%
TOTALS	580,968,500	8,644,555	1.49%
Depreciation Exp from w/s 1			2,255,981
AFUDC adj to w/s 2			33,568

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

INVESTMENT-FERC A/C 101.1				
(Not included in transmission plant)				
G/L ACC'T	CAPITAL LEASES		RNS Rate w/s or	
		BALANCE	FERC Form I Ref.	
101101	Edison Drive	4,880,557		
101103	NEETCO HQDC	-		
101104	VETCO HQDC	-		
101105	NEP HQAC	2,382,631		
101106	NHH HQDC	1,160,346		
101107	NEH HQDC	1,750,058		
TOTAL CAPITAL LEASES		\$ 10,173,592	Page 112.26+113.49	

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

			PTF		Total PTF	Non-PTF	Total Transmission		
			pre 1997	post 1996					
TRANSMISSION LINES			77,721,318	278,071,317	355,792,635	116,588,000	472,380,635		
SUBSTATIONS			29,975,478	236,300,589	266,276,067	158,610,755	424,886,822		
TOTALS			107,696,796	514,371,906	622,068,702	275,198,755	897,267,457	FFI.207.58(g)	
Less SCADA & RTUs directly assigned to Schedule 1			532,778	2,544,606	3,077,384	1,361,413	4,438,797	w/s 16	
Totals for RNS			107,164,018	511,827,300	618,991,318	273,837,342	892,828,660	w/s 17, line 3	
PRE 1997 PTF - from above							\$ 107,164,018	to w/s 5, line 1	
POST 1996 PTF - from above							511,827,300	to Post 96 w/s 5, line 1	
Total PRE 97 AND POST 96 PTF							\$ 618,991,318	Total PTF Investment for RNS	

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

PROPERTY DESCRIPTION	PROPERTY CLASSIFICATION	COST	ref	RESERVE	ref	DEPRECIATION	ref
Furniture & Equipment	General	2,691,456		405,037		55,341	
Structure Costs & Map Boards	General	5,250,074		1,782,436		116,459	
UPS	General	284,858		169,226		10,550	
EMS Hardware	General	1,834,871		1,707,541		203,854	
LMS	General	-		-		-	
EBCC	General	-		-		-	
Communication Equipment	General	815,265		703,739		55,341	
PC Equipment	General	-		-		-	
		10,876,524	w/s 17,5b	4,767,978	w/s 17,7b	441,546	w/s 17,6b
EMS Software	Intangible	7,900,188		7,900,188		-	
S/S RTU's & Scada	Transmission	4,438,797	w/s 17,3b	1,181,281	w/s 17,4b	104,601	w/s 17,2b
Total Plant Directly Assigned to Schedule 1		23,215,509		13,849,448		546,147	

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

			A	B	C	D		
			FERC FORM 1 TOTAL	LESS COST RECOVERED UNDER SCH 1	Adjustments	ADJUSTED TOTAL	WORKSHEET REFERENCE FOR COL. D	
	WAGES & PAYROLL EXPENSES							
1	FERC FORM 1, PG. 354, LINE 21B		4,164,385	(1,753,638)	-	2,410,747	1	WS 5, LINE 4
	TRANSMISSION DEPRECIATION EXP							
2	FERC FORM 1, PG. 336, LINE 7B		18,506,789	(104,601)	-	18,402,188	2	WS 4, LINE 1
	TOTAL TRANSMISSION PLANT							
3	FERC FORM 1, PG. 207, LINE 58G		897,267,458	(4,438,797)	-	892,828,661	3	WS 5, LINE 2
	TRANSMISSION PLANT DEPREC. RES.							
4	FERC FORM 1, PG 219, LINE 25c		177,295,068	(1,181,281)	-	176,113,787	4	WS 3, LINE 5
	TOTAL GENERAL PLANT							
5	FERC FORM 1, PG 207, LINE 99g		203,152,828	(10,876,524)	-	192,276,304	5	WS 3, LINE 2
	GENERAL DEPRECIATION EXPENSE							
6	FERC FORM 1, PG. 336, LINE 10f		6,501,644	(441,546)	-	6,060,098	6	WS 4, LINE 2
	GENERAL DEPRECIATION RESERVE							
7	FERC FORM 1, PG 219, LINE 28c		89,068,033	(4,767,978)	-	84,300,055	7	WS 3, LINE 6
	TRANSMISSION O&M							
8	FERC FORM 1, PG 321, LINE 112b		121,862,879	-		121,862,879	8	WS 4, LINE 10
	TRANSMISSION PLANT HELD FOR FUTURE USE							
9	FF I, P 214, LINE 47 - (15+16)		3,396,312	-	-	3,396,312	9	WS 3, LINE 4

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

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	30.5	30.5	
Buxton - Surowiec (374)	345	2-850.8 ACSR	OH	1	26.6	26.6	
Deerfield - Buxton (CMP Section) (385)	345	2-850.5 ACSR	OH	1	30.5	30.5	
Surowiec - Maine Yankee (375)	345	2-850.8 ACSR	OH	1	24.	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	16.1	16.1	
Surowiec - Maine Yankee (377)	345	2-850.8 ACSR	OH	1	24.2	29.81	
		2-900 ACSR	OH	1	2.61		
Maine Yankee - Mason (378)	345	2-850.8 ACSR	OH	1	3.5	3.5	
Buxton - South Gorham (386)	345	2-954 ACSR	OH	1	7.2	7.2	

TOTAL CENTRAL MAINE POWER COMPANY EHV PTF CKT. MILES						200.4	

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

Central Maine Power						
Lower Voltage PTF						
LINE	KV	CONDUCTOR	UG OH	NO OF CKTS	MILES PER CKT	CKT MILES
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	24.30	24.30
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	3.79	3.79
Winslow - Maxcys (84)	115	477 ACSR	OH	1	25.70	25.70
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 - Maxcys (67)	115	795 ACSR	OH	1	40.50	40.50
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	477 ACSR	OH	1	5.50	39.30
		1272 AI	OH	1	30.20	
		795 ACSR	OH	1	3.60	
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. - Manmouth (269)	115	1113 ACSR	OH	1	11.46	11.46
Manmouth - Gulf Island (212)	115	795 ACSR	OH	1	11.57	11.57
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
Gulf Island - Surowiec (64)	115	795 ACSR	OH	1	17.60	17.60
Surowiec - Spring Street (166)	115	795 ACSR	OH	1	20.89	23.95
		1113 ACSR	OH	1	3.06	
Gulf Island - Crowleys (201)	115	795 ACSR	OH	1	8.30	8.30
Crowleys - Surowiec (62)	115	795 ACSR	OH	1	9.30	9.30
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
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	0.70	19.53
	115	795 ACSR	OH	1	18.83	
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	
Gulf Island - Norway (61)	115	795 ACSR	OH	1	18.40	18.40
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

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

Central Maine Power						
Lower Voltage PTF						
			UG	NO OF	MILES	CKT
LINE	KV	CONDUCTOR	OH	CKTS	PER CKT	MILES
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	7.40	7.40
Riley - Rumford IP (229)	115	795 ACSR	OH	1	15.20	15.20
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						1016.92

TOTAL CENTRAL MAINE POWER COMPANY CKT. MILES						1196.60

**CENTRAL MAINE POWER COMPANY
PRE-97 RNS REVENUE REQUIREMENTS
FOR THE UNADJUSTED TEST YEAR ENDED 12/31/12**

Through and Out Revenues				
	From Worksheet 10, line 23	2,496,734		
		-		
	Short-Term & Non-Firm T&O	2,496,734	See p.450 notes for p328,line 14	
	PTF BALANCE (see w/s 15)	% OF TOTAL	allocation of T/O Revenues	
PRE 1997 PTF	107,164,018	17.31%	432,252	
POST 96 PTF	511,827,300	82.69%	2,064,482	
TOTAL	618,991,318	100.00%	2,496,734	

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

			Attachment F				
			Reference				Reference
Line No.	II. INVESTMENT BASE		Section:				
1	Transmission Plant		II (A)(1)(a)	\$ 511,827,300			Worksheet 3, line 1 column 5
2	General Plant		II (A)(1)(b)	7,153,069			Worksheet 3, line 2 column 5
3	Plant Held For Future Use		II (A)(1)(c)	1,946,987			Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)			520,927,356			
5	Accumulated Depreciation		II (A)(1)(d)	(104,096,003)			Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes		II (A)(1)(e)	(77,650,093)			Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt		II (A)(1)(f)	543,880			Worksheet 3, line 11 column 5
8	Other Regulatory Asssets		II (A)(1)(g)	290,651			Worksheet 3, line 14 column 5
9	Net Investment (Line 4+5+6+7+8)			340,015,791			
10							
11	Prepayments		II (A)(1)(h)	100,065			Worksheet 3, line 15 column 5
12	Materials & Supplies		II (A)(1)(i)	4,248,094			Worksheet 3, line 16 column 5
13	Cash Working Capital		II (A)(1)(j)	1,250,341			Worksheet 3, line 23 column 5
14	MPRP CWIP		II (A)(1)(k)	568,241,559			Worksheet 3, line 24 column 5
15	Total Investment Base (Line 9+11+12+13+14)			\$ 913,855,850			
	II. REVENUE REQUIREMENTS						
16	Investment Return and Income Taxes		II (A)	\$ 140,671,857			Worksheet 2
17	Depreciation Expense		II (B)	10,774,778			Worksheet 4, line 3 column 5
18	Amortization of Loss on Reacquired Debt		II (C)	162,738			Worksheet 4, line 4 column 5
19	Investment Tax Credit		II (D)	(163,582)			Worksheet 4, line 5 column 5
20	Municipal Taxes		II (E)	5,305,388			Worksheet 4, line 8 column 5
21	Payroll Taxes		II (F)	-			Worksheet 4, line 9 column 5
22	Operation & Maintenance Expense		II (G)	8,288,219			Worksheet 4, line 14 column 5
23	Administrative & General Expense		II (H)	1,714,512			Worksheet 4, line 18 column 5
24	Transmission Related Integrated Facilities Charge		II (I)	-			
25	Transmission Support Revenue		II (J)	-			
26	Transmission Support Expense		II (K)	-			
27	Transmission Related Expense from Generators		II (L)	-			
28	Taxes and Fees		II (M)	-			
29	Revenues for TOUT Transmission Service		II (N)	(2,064,482)			W/S 13
30	Transmission Rents Received from Electric Property		II (O)	-			
31	Total Revenue Requirements (Line 16 thru 30)			\$ 164,689,428			
	Forecasted Transmission Revenue Requirements - 2013			42,531,620			Worksheet 16, line 3
	Total - 2012 Actual + 2013 Forecasted			\$ 207,221,048			

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

[illegible]

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

	Investment Base Calculation for Incremental Return and Associated Income Taxes for Post-2003 PTF, MPRP PTF and MPRP CWIP						
		TOTAL MPRP		MPRP CWIP		MPRP PTF	Post 2003 RSP PTF
1	MRPP CWIP	\$ 568,241,559		\$ 568,241,559		\$ -	\$ -
2	MPRP PTF Investment	266,455,137		-		266,455,137	74,467,837
3	Depreciation Reserve	(4,782,776)		-		(4,782,776)	(9,248,718)
4	Accumulated Deferred Income Taxes	(57,913,778)		-		(57,913,778)	(9,806,419)
5	INVESTMENT BASE	\$ 772,000,142		\$ 568,241,559		\$ 203,758,583	\$ 55,412,700
		w/s 2 line 40					w/s 2 line 40
6	Cost of Capital Rate - 11.64% ROE (w/s 2 line 33)			14.22678%			
7	Cost of Capital Rate - 1.25% bp ROE adder for MPRP (w/s 2 line 8)			1.30584%			
8	MPRP Cost of Capital Rate (MCOC)(6+7)			15.53262%			
9	MPRP CWIP - Base (5 x 6)			\$ 80,842,476			
10	MPRP CWIP - Incremental (5 x 7)			7,420,326			
11	Investment Return and Income Taxes - MPRP CWIP (9+10)			\$ 88,262,802			
12	Investment Return and Income Taxes - Total			\$ 140,671,857	w/s 1, line 16		
13	Less Inv Return&Taxes- MPRP CWIP (11)			88,262,802			
14	Investment Return and Income Taxes - Post96 PTF			\$ 52,409,055			
				w/s 16, line 10			

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

			(2)		(4)					RNS Rate		
			Wage/Plant		(3) = (1)*(2)		PTF		(5) = (3)*(4)	Worksheet or		
Line		(1)	Allocation		Transmission		Allocation		PTF	FERC Form 1		
No.		Total	Factors		Allocated		Factor (b)		Allocated	Reference for col (1) or (5)		
	<u>Transmission Plant</u>											
1	Transmission Plant	-			-			511,827,300	(d)	w/s 5, line 1		
2	General Plant	192,276,304	6.4895%	(a)	12,477,771	57.3265%		7,153,069		w/s 12, line 5		
3	Total (line 1+2)				12,477,771			518,980,369				
4	<u>Transmission Plant Held for Future Use</u>	3,396,312			3,396,312	57.3265%		1,946,987		w/s 12, line 9		
	<u>Transmission Accumulated Depreciation</u>											
5	Transmission Accum. Depreciation	(176,113,787)			(176,113,787)	57.3265%		(100,959,870)		w/s 12, line 4		
6	General Plant Accum. Depreciation	(84,300,055)	6.4895%	(a)	(5,470,652)	57.3265%		(3,136,133)		w/s 12, line 7		
7	Total (line 6+7)	(260,413,842)			(181,584,439)			(104,096,003)				
	<u>Transmission Accumulated Deferred Taxes</u>											
8	Accumulated Deferred Taxes (281-283)	(157,159,333)			(157,159,333)	57.3265%		(90,093,945)		See p. 450 notes for pages 274 & 276 (plus additional direct assignment of 11.9 mi)		
9	Accumulated Deferred Taxes (190)	21,706,980			21,706,980	57.3265%		12,443,852		See p. 450 notes for page 234		
10	Total (line 8+9)	(135,452,353)			(135,452,353)			(77,650,093)				
11	<u>Unamortized loss on Reacquired Debt</u>	2,377,072	39.9122%	(c)	948,741	57.3265%		543,880		Page 111.81c		
	<u>Other Regulatory Assets</u>											
12	FAS 106	7,812,765	6.4895%	(a)	507,009					Page 232.1, lines 25f		
13	FAS 109	-								DITs functionalized in FF 1 excluding FAS109 DITs, therefore the 109 reg asset is properly excluded.		
14	Total (line 12+13)	7,812,765			507,009	57.3265%		290,651				
15	<u>Transmission Prepayments</u>	2,689,778	6.4895%	(a)	174,553	57.3265%		100,065		FF I 111.57c		
16	<u>Transmission Materials and Supplies</u>	7,410,350			7,410,350	57.3265%		4,248,094		See note for page 227.11c on Page 450		
17	<u>Cash Working Capital</u>											
18	Operation & Maintenance Expense							8,288,219		Worksheet 1, Line 22		
19	Administrative & General Expense							1,714,512		Worksheet 1, Line 23		
20	Net Transmission Support Expense							-				
21	Subtotal (line 18+19+20)							10,002,731				
22								0.125		x 45 / 360		
23	Total (line 21 * line 22)							1,250,341				
24	<u>MPRP CWIP</u>	568,241,559						568,241,559		450.1 notes for pg 217 L7b		
	(a) Worksheet 5 of 8, line 11											
	(b) Worksheet 5 of 8, line 3											
	(c) Worksheet 5 of 8, line 16											
	(d) EHV/LV PTF Facilities											

	(1)	(2) Wage/Plant Allocation	(3) = (1)*(2) Transmission	(4) PTF Allocation	(5) = (3)*(4) PTF	Worksheet or FERC Form 1 Reference for col (1)
Line No.	Total	Factors	Allocated	Factor (b)	Allocated	
	<u>Depreciation Expense</u>					
1	Transmission Depreciation	18,402,188		18,402,188	57.3265%	w/s 12, line 2
2	General Depreciation	6,060,098	6.4895% (a)	393,270	57.3265%	w/s 12, line 6
3	Total (line 1+2)			18,795,458		
4	<u>Amortization of Loss on Reacquired Debt</u>	711,262	39.9122% (c)	283,880	57.3265%	Page 117.64c
5	<u>Amortization of Investment Tax Credits</u>	(714,950)	39.9122% (c)	(285,352)	57.3265%	Page 266.8f
	<u>Property Taxes *</u>					
6	Transmission Property Taxes	9,254,687		9,254,687	57.3265%	See note for p. 262.14i on page 450.1
7	General Property Taxes	-	6.4895% (a)		57.3265%	
8	Total (line 1+2)	9,254,687		9,254,687		
9	Payroll Taxes	-	- (d)	-	-	
	<u>Transmission Operation and Maintenance</u>					
10	Operation and Maintenance	121,862,879				w/s 12, line 8
11	Transmission of Electricity by Others - #565	103,691,541				FF I page 332
12	Load Dispatching - #561	3,178,161				FF I page 321, lines 85b-88b
13	**Station Expenses & Rents - #562 / #567	535,257				Pre 1997 ws 12, line 25
14	O&M - line 10 less lines 11, 12, & 13	14,457,920		14,457,920	57.3265%	
	<u>Transmission Administrative and General</u>					
15	A & G subject to Wage & Salaries Allocation Factor	44,308,794	6.4895% (a)	2,875,419		w/s 7, line 28
16	A & G subject to Plant Allocation Factor	338,682	39.9122% (c)	135,175		w/s 7, line 31
17	A & G directly assigned to transmission	(19,809)	100.00%	(19,809)		w/s 7, line 14
18	A&G (line 14+15)	44,627,667		2,990,785	57.3265%	
	* Property Taxes not functionalized per FERC Form 1; therefore, 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 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 COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

Line No.					RNS Rate Worksheet or FERC Form 1 Reference			
	<u>PTF Transmission Plant Allocation Factor</u>							
1	PTF Transmission Investment		Post 1996		w/s 10			
2	Total Transmission Investment		511,827,300					
			892,828,660		w/s 12, line 3 & w/s 10			
3	Percent Allocation (line 1/2)		57.3265%					
	<u>Transmission Wages and Salaries Allocation Factor</u>							
4	Direct Transmission Wages and Salaries		2,410,747		w/s 12, line 1			
5	Affiliated Company Transmission Wages and Salaries		-					
6	Total Transmission Wages and Salaries (line 4+ 5)		2,410,747					
7	Total Wages and Salaries		42,224,703		Page 354.28b + line 5			
8	Administrative and General Wages and Salaries		5,076,073		Page 354.27b			
9	Affiliated Company Wages and Salaries less A&G		-					
10	Total Wages and Salaries net of A&G (line 7 - 8 + 9)		37,148,630					
11	Percent Allocation (line 6/10)		6.4895%					
	<u>Plant Allocation Factor</u>							
12	Total Transmission Investment (excluding capital leases)		892,828,660		ws 5 line 2			
13	Transmission Related General Plant		12,477,771		ws 3 line 2			
14	Total Transmission Related Plant		905,306,431					
15	Total Electric Plant in Service (excluding capital leases)		2,268,245,626		Page 207.104g (see 450 notes)			
16	Percent Allocation (line 14/15)		39.9122%					

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

Affiliated Company Wages and Salaries									
Line									
"Affiliated" Transmission Wages and Salaries				Transmission Wages by 3 digit FERC					
#560 - 573									
					560	455,530			
1	560		-		561-561.4	1,753,638	w/s 12 line 1b		
2	562		-		561.5-561.8	95,320			
3	564		-		562	463,379			
4	566		-		563	74,987			
5	568		-		564	247			
6	569		-		566	552,920			
7	570		-		567	371			
8	571		-		568	147,309			
9	572		-		569	34,849			
10	573		-		570	392,251			
11 = 1 thru 10	Total Transmission		-		571	162,915			
					572	27,636			
					573	3,033			
						4,164,385	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 COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

	Acc't	Description	Amount				
1	920	Administrative and General Salaries	7,325,421				
2	921	Office Supplies and Expenses	3,118,313				
3	922	Less Administrative Expenses Transferred	(379,693)				
4	923	Outside Services	25,347,028				
5	924	Property Insurance	338,682				
6	925	Injuries and Damages	2,345,763				
7	926	Employee Pensions and Benefits	(7,692,128)				
8	928	Regulatory Commissions Expense	7,911,556				
9	930.1	General Advertising	895,812				
10	930.2	Miscellaneous General Expense	2,606,359				
11	931	Rents	1,350,499				
12	935	Maintenance of General Plant	2,192,034				
13		Total Admin & Gen'l Exp.	45,359,646	Page 323.197b			
14		FERC assessments - Transmission (directly assigned)	773,927	FF1 p. 350 l16d+18+19 - \$3.5 mil for MPUC Docket # 2008-255			
15		FERC assessments - subject to plant allocation factor	-	FF1 page 350.d			
16		TOTAL FERC ASSESSMENTS (14+15)	773,927	FF1 page 350.d			
17		State assessments - Transmission (directly assigned)	175,466	FF1 page 350.d			
18		Total State Assessments	7,137,629	FF1 350.d lines 16-19 (includes \$3.5 mil for MPUC Docket # 2008-255)			
19	928	Total Regulatory Commissions Expense: (16+18) & from line 8	7,911,556	FF1 page 350.d, line 46			
20		General Advertising - Transmission related	-				
21		Non-Transmission related General Advertising Exp.	895,812				
22	930.1	Total General Advertising Exp. (line 9)	895,812				
		Summary of Attachment F treatment of A&G					
23		Total A&G (line 13)	45,359,646				
24	924	less Property Insurance (line 5)	338,682				
	926	less pension credit directly assigned to T&D	(8,095,198)				
25	928	less Regulatory Commissions Exp. (line 19)	7,911,556				
26	930.1	less Non-Trans. General Advertising Exp. (line 9)	895,812				
27	920-935	less EPRI Expenses	-				
28		A&G subject to Wages and Salaries Allocation Factor:	44,308,794	to worksheet 4, line 15, column 1			
29		Property Insurance (line 5)	338,682				
30		Regulatory Commissions Exp. - FERC assessments (line 15)	-				
31		Total A&G subject to Plant Allocation Factor	338,682	to worksheet 4, line 16, column 1			
		Items Directly Assigned to Transmission					
	926010	MRFV - transmission only portion of pension credit	(969,202)	MPUC Docket Nos. 2007-215/2008-111			
		State assessments - Transmission (directly assigned) (Line 17 above)	175,466				
		FERC Reg Comm Exp - Trans (directly assigned) (Line14 above)	773,927				
		total to w/s 4, line 17	(19,809)	w/s 4, line 17			

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

				CAPITALIZATION		CAPITALIZATION		COST OF		COST OF		EQUITY
				12/31/2012		RATIOS		CAPITAL		CAPITAL		PORTION
	MED-TERM NOTES			365,700,000		18.356%		6.693%				
	POLLUTION CONTROL NOTES			19,500,000		0.979%		5.594%				
	FAME			0		0.000%		0.000%				
	MORTGAGE BONDS			375,000,000		18.823%		4.265%				
	TOTAL LONG-TERM DEBT	page 112.18c		760,200,000		38.158%		5.422%		2.069%		
	PREFERRED STOCK	page 112.3c		571,300		0.029%		6.000%		0.002%		0.002%
	COMMON EQUITY	page 112.16c less line 3c		1,231,502,338		61.814%		11.640%		7.195%		7.195%
	TOTAL INVESTMENT RETURN			1,992,273,638		100.00%				9.266%		7.197%

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

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%
TOTALS	580,968,500	8,644,555	1.49%
Depreciation Exp from w/s 1			10,774,778
AFUDC adj to w/s 2			160,324

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

			PTF		Total PTF	Non-PTF	Total Transmission		
			pre 1997	post 1996					
TRANSMISSION LINES			77,721,318	278,071,317	355,792,635	116,588,000	472,380,635		
SUBSTATIONS			29,975,478	236,300,589	266,276,067	158,610,755	424,886,822		
TOTALS			107,696,796	514,371,906	622,068,702	275,198,755	897,267,457		
Balance per FERC Form 1; p. 207, line 53g			107,696,796	514,371,906	622,068,702	275,198,755	897,267,457		
Less SCADA & RTUs directly assigned to Schedule 1			532,778	2,544,606	3,077,384	1,361,413	4,438,797		
Totals for RNS			107,164,018	511,827,300	618,991,318	273,837,342	892,828,660		
PRE 1997 PTF - from above							\$ 107,164,018	to Pre97 w/s 5, line 1	
POST 1996 PTF - from above							511,827,300	to w/s 5, line 1	
Total PRE 97 AND POST 96 PTF							<u>\$ 618,991,318</u>	Total PTF Investment for RNS	

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

PROPERTY DESCRIPTION	PROPERTY CLASSIFICATION	COST	ref	RESERVE	ref	DEPRECIATION	ref
Furniture & Equipment	General	2,691,456		405,037		55,341	
Structure Costs & Map Boards	General	5,250,074		1,782,436		116,459	
UPS	General	284,858		169,226		10,550	
EMS Hardware	General	1,834,871		1,707,541		203,854	
LMS	General	-		-		-	
EBCC	General	-		-		-	
Communication Equipment	General	815,265		703,739		55,341	
PC Equipment	General	-		-		-	
		10,876,524	w/s 12,5b	4,767,978	w/s 12,7b	441,546	w/s 12,6b
EMS Software	Intangible	7,900,188		7,900,188		-	
S/S RTU's & Scada	Transmission	4,438,797	w/s 12,3b	1,181,281	w/s 12,4b	104,601	w/s 12,2b
Total Plant Directly Assigned to Schedule 1		23,215,509		13,849,448		546,147	

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

			A	B	C	D		
			FERC FORM 1TOTAL	LESS COST RECOVERED UNDER SCH 1	Adjustments	ADJUSTED TOTAL	WORKSHEET REFERENCE FOR COL. D	
	WAGES & PAYROLL EXPENSES							
1	FERC FORM 1, PG. 354, LINE 21b		4,164,385	(1,753,638)	-	2,410,747	1	WS 5, LINE 4
	TRANSMISSION DEPRECIATION EXP							
2	FERC FORM 1, PG. 336, LINE 7f		18,506,789	(104,601)	-	18,402,188	2	WS 4, LINE 1
	TOTAL TRANSMISSION PLANT							
3	FERC FORM 1, PG. 207, LINE 58g		897,267,458	(4,438,797)	-	892,828,661	3	WS 5, LINE 2
	TRANSMISSION PLANT DEPREC. RES.							
4	FERC FORM 1, PG 219, LINE 25c		177,295,068	(1,181,281)	-	176,113,787	4	WS 3, LINE 5
	TOTAL GENERAL PLANT							
5	FERC FORM 1, PG 207, LINE 99g		203,152,828	(10,876,524)	-	192,276,304	5	WS 3, LINE 2
	GENERAL DEPRECIATION EXPENSE							
6	FERC FORM 1, PG. 336, LINE 10f		6,501,644	(441,546)	-	6,060,098	6	WS 4, LINE 2
	GENERAL DEPRECIATION RESERVE							
7	FERC FORM 1, PG 219, LINE 28c		89,068,033	(4,767,978)	-	84,300,055	7	WS 3, LINE 6
	TRANSMISSION O&M							
8	FERC FORM 1, PG 321, LINE 112		121,862,879	-		121,862,879	8	WS 4, LINE 10
	TRANSMISSION PLANT HELD FOR FUTURE USE							
9	FF I, P 214, LINE 47 - (14+15)		3,396,312	-	-	3,396,312	9	WS 3, LINE 4

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

Through and Out Revenues					
From Pre97 Worksheet 10, line 30		2,496,734			
		-			
Short-Term & Non-Firm T&O		2,496,734	See p.450 notes for p328,line 14		
	PTF BALANCE (see w/s 15)	% OF TOTAL	allocation of T/O Revenues		
PRE 1997 PTF	107,164,018	17.31%	432,252		
POST 96 PTF	511,827,300	82.69%	2,064,482		
TOTAL	618,991,318	100.00%	2,496,734		

CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/10

	Investment		2012 Activity				Investment	
	as of 12/31/11		Additions	Retirements	Transfers	Adjustments	as of 12/31/12	
115kV Lines								
Non-Land								
60	946,087.86		22,928,407.73	(219,996.72)	410.85	5,317.29	23,660,227.01	
61	2,597,548.94			-	-	(125.56)	2,597,423.38	
61A	888,838.31		0.00	-	-	(5,148.70)	883,689.61	
62	479,155.43		862,408.35	(11,104.86)	(92.70)	18,315.27	1,348,681.49	
63	1,981,470.62		707,535.57	(7,647.33)	2,598.73	128,180.23	2,812,146.82	
64	1,459,195.86		5,662,212.56	(57,267.17)	-	25,067.22	7,089,208.47	
65	289,783.51		985,351.89	(355.08)	-	(261.40)	1,274,518.92	
66	1,870,337.55		537,274.71	(2,964.10)	(0.00)	126,283.00	2,530,931.16	
67	6,453,597.66		937,444.45	(32,428.81)	(3,473.61)	4,294.42	7,359,494.11	
67A	512,923.09		-	-	(8,140.45)	24,339.02	529,121.66	
68	4,261,297.37		686,492.99	(623,312.74)	13,612.02	(11,075.94)	4,327,013.70	
69	3,000,036.43		28,923.25	(7,521.88)	(69,063.62)	77,903.14	3,030,277.32	
70	1,108,876.86		13,488.86	(899.78)	(138,210.69)	107,737.82	1,090,993.07	
75	2,012,505.34		796,106.19	-	3,766.35	34,673.37	2,847,051.25	
81	1,060,797.26		94,675.40	-	1,136.99	(9,246.49)	1,147,323.16	
82	0.00		339,912.14	-	-	-	339,912.14	
83	2,438,000.93		(965,070.84)	(28.74)	(13,121.00)	(23,747.37)	1,436,032.98	
84	1,552,529.18		0.00	-	(1,377.15)	18,464.95	1,569,616.98	
86	4,138,268.07		9,865,484.53	(260,312.27)	(124.51)	372,918.00	14,116,233.82	
87	345,813.75		5,324.61	(937.09)	-	103,979.33	454,580.60	
88	9,924,691.57		421,707.80	(31,477.40)	0.00	27,428.32	10,342,350.29	
89	701,216.88		141,264.39	(30,386.36)	-	142,217.38	954,312.29	
140	2,423,223.97		-	-	(9,433.66)	45,182.44	2,458,972.75	
160	597,608.85		-	-	-	(27,593.29)	570,015.56	
161	1,201,519.50		6,449.58	-	-	(4,447.64)	1,203,521.44	
162	660,136.71		-	-	-	8,435.58	668,572.29	
163	7,700,638.73		-	-	-	(1,021,882.29)	6,678,756.44	
163A	-		-	-	-	490,331.11	490,331.11	
164	2,610,615.40		154,357.81	(448.74)	(57,379.47)	111,874.47	2,819,019.47	
165	1,265,901.21		94,061.99	-	21,466.12	2,219.34	1,383,648.66	
166	1,326,292.65		2,051,261.83	(75,397.06)	7,002.44	(11,461.25)	3,297,700.61	
167	1,120,268.47		1,642,076.28	(82,042.43)	(4,883.40)	(37,993.40)	2,647,425.52	
169	501,035.39		-	-	17,533.37	110,802.71	629,371.47	
197	5,316,062.50		-	-	-	(8,808.12)	5,307,254.38	
200	977,181.70		338,706.45	(1,035.29)	142.58	26,164.53	1,341,159.98	
201	1,504,413.13		-	(121.20)	-	(4,047.41)	1,500,244.52	
202	315,156.56		31,488.40	(1,384.39)	138,210.69	(148,382.75)	315,088.51	
203	1,194,250.21		22,926,327.13	(198,382.08)	(0.00)	(53,189.03)	23,869,006.23	
204	980,011.87		-	-	2,058.66	24,355.74	1,006,426.27	
205	385,537.62		363,639.11	(10,624.70)	-	73.52	738,625.55	
207	1,805,294.94		46,774.91	-	69,063.62	(16,042.54)	1,905,090.93	
208	877,918.78		-	-	3,065.18	-	880,983.96	
209	853,951.88		249,791.78	(16,387.22)	-	(41,049.70)	1,046,306.74	
210	1,591,986.40		-	-	(256,628.18)	924,479.80	2,259,838.02	
211	8,884,415.42		(1,578.37)	-	128,314.09	(10,405.16)	9,000,745.98	
212	1,736,398.01		27,555.23	(1,019,138.95)	-	25,238.11	770,052.40	
213	2,260,373.90		87,618.44	(198.27)	-	(29,280.29)	2,318,513.78	
214	1,689,289.24		246,424.79	(7,561.28)	398,579.57	1,240,732.32	2,335,981.53	
217	3,495,805.72		-	-	128,314.09	(2,053,063.46)	1,571,056.35	
219	8,502,789.32		-	-	89.45	(3,188,673.27)	5,314,205.50	
220	4,396,604.94		-	-	-	(1,447,221.14)	2,949,383.80	
221	437,177.24		-	-	-	-	437,177.24	
223	1,644,641.08		-	-	-	2.03	1,644,643.11	
224	1,796,606.02		-	(12,692.23)	-	(1.97)	1,783,913.82	
225	2,133,105.82		-	-	-	(0.28)	2,133,105.54	
226	1,883,366.14		(0.00)	-	22,132.65	497.27	1,905,996.06	
228	51,533.72		-	-	-	569.13	52,102.85	
229	1,276,057.51		85,657.94	(5,824.89)	-	(134,097.71)	1,221,792.85	
231	760,031.15		-	-	-	(117,361.89)	642,669.26	
232	229,976.53		-	-	-	(0.17)	229,976.36	
233	231,110.85		-	(3,030.60)	-	(1.08)	228,079.17	
234	676,384.96		-	(2,692.25)	-	(970.84)	672,721.87	
237	1,278,897.12		194,436.98	(188.37)	-	(706,918.12)	766,227.61	
238	424,128.04		1,353,061.63	(64,803.73)	-	1,712,387.67	2,731,387.67	
241	0.00		13,469,914.02	-	-	15,881,101.66	29,351,015.68	
242	123,296.01		-	-	-	-	123,296.01	
243	0.00		985.83	-	-	2,439,938.53	2,440,924.36	
250	1,970,498.62		361,722.73	(1,078.81)	-	(617,096.01)	1,714,046.53	
269	0.00		14,530,056.49	-	0.00	-	14,530,056.49	
275 UNPD	1,548,200.15		-	-	-	1,550,213.05	1,550,213.05	
277	1,954,403.37		-	-	-	(0.32)	1,954,403.05	
278	0.00		317,968.00	-	-	-	317,968.00	
							Adjustments	
							11,982,418.52	
							(Adj from New Sections)	
							(18,321,040.19)	
							(6,075.74)	
							(6,338,621.67)	
Total 115kV Lines - LVPTF		\$ 132,407,030.86	102,627,705.57	(2,789,272.82)			\$ 244,221,806.39	
	Investment		2012 Activity				Investment	
	as of 12/31/11		Additions	Retirements	Transfers	Adjustments	as of 12/31/12	
115kV Lines								
Land (from PTF Land Sheets)								
60	99,483.32		-	-	-	5,961.37	105,444.69	
61A	254,727.21		-	-	-	0.00	254,727.21	
61	20,019.10		-	-	-	1,735.07	21,754.17	
63	181,344.25		-	-	(0.00)	2,317.75	183,662.00	
64	92,935.16		-	-	(0.00)	-5,912.49	87,022.67	
65	42,283.29		-	-	-	-32,252.56	10,030.73	
66	72,476.73		351.48	-	-	230.72	73,058.93	
67	44,335.66		-	-	-	881.91	45,217.57	
67A	0.00		-	-	-	156,037.76	156,037.76	
68	26,224.50		-	-	-	623.49	25,601.01	
69	58,782.49		-	-	-	32,859.16	91,641.65	
75	118,478.88		-	-	-	0.00	118,478.88	
80	27,633.92		-	-	-	1,309.66	28,943.58	
81	65,110.41		-	-	(405.07)	-5,560.24	59,145.10	
83	167,300.85		-	-	(0.00)	5,893.36	173,193.91	
84	28,356.47		-	-	0.00	5,496.04	33,852.51	
86	128,629.79		-	-	0.00	12,975.95	141,605.74	
87	21,879.22		-	-	-	11,674.76	33,553.98	
88	32,376.21		-	-	-	0.00	32,376.21	
89	1,284.77		-	-	-	0.00	1,284.77	
140	194,286.23		-	-	-	50,290.85	235,257.08	
160	46,783.09		-	-	-	41,092.94	87,876.03	
161	39,345.26		-	-	0.00	35,499.85	74,845.11	
162	27,644.18		-	-	(0.00)	10,324.95	37,869.13	
163	0.00		-	-	0.00	91,883.93	91,883.93	
164	244,030.26		-	-	(1,937.05)	-17,419.25	226,611.01	
165	0.00		-	-	-	929.05	929.05	
166	114,467.50		56,840.45	-	-	-3,092.61	168,215.34	
167	0.00		-	-	1,937.05	4,042.85	5,979.90	
169	14,887.38		-	-	(500.99)	22,486.50	36,872.89	
197	25,915.54		-	-	0.00	189,724.34	215,639.88	
200	60,473.94		-	-	(740.75)	2,255.17	62,988.36	
201	0.00		-	-	740.75	27,887.62	28,628.37	
202	74,006.76		-	-	(0.00)	0.00	74,006.76	
203	47,339.20		-	-	-	188.85	47,528.05	
204	21,740.20		-	-	(0.00)	12,883.48	34,623.68	
205	13,075.45		-	-	-	36,178.38	49,253.83	
207	0.00		-	-	-	690.09	690.09	
208	177,984.62		-	-	0.00	2,711.65	180,696.27	
209	194,754.95		-	-	-	0.00	194,754.95	
210	227,089.68		-	-	-	0.00	227,089.68	
211	110,998.22		-	-	-	443.27	111,441.49	
212	303,256.98		-	-	-	79,500.66	382,756.64	
213	376,543.49		-	-	-	36,602.50	413,145.99	
214	411,275.24		-	-	-	0.00	411,275.24	
217	318,895.91		-	-	-	12,838.00	331,733.91	

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/10**

219	0.00	-	-	37.57	2,268.37	2,305.94
220	25,336.71	-	-	463.42	-750.00	25,050.13
223	12,877.96	-	-	-	-12,877.96	-
224	13,265.54	-	-	-	2,929.06	16,194.60
225	55,024.80	-	-	-	-8,600.01	46,424.79
226	100,392.74	-	-	-	20,530.08	120,922.82
229	73,887.46	-	-	-	949.49	74,836.95
234	7,680.46	-	-	-	7,680.46	15,360.92
241	0.00	967,430.78	-	-	19,950.00	987,380.78
243	0.00	1,020.25	-	-	55,667.62	56,687.87
250	43,747.41	-	-	-	0.00	43,747.41
275	146,438.95	-	-	-	0.00	146,438.95
					Adjustments	920,410.15
					(Adj from New Sections)	(75,617.62)
Total 115kV Lines	\$ 4,896,987.04	1,025,642.98	-	(405.07)	844,792.53	\$ 6,842,635.08
345kV Lines(Including Land)						
374	3,155,722.19	372,211.54	-	-	2,375.61	3,530,309.34
375	5,137,296.93	4,601,601.90	(32,923.44)	(0.00)	31,293.41	9,737,268.80
377	4,218,877.66	-	-	-	-5,812.98	4,213,064.68
378	856,328.79	6,831.55	-	-	-5,494.91	857,665.43
385	3,611,054.41	2,580,592.69	(36,060.82)	-	-21,246.85	6,134,339.43
386	3,801,370.41	-	-	-	1,832,745.22	5,634,115.63
388	-	27,105,579.93	-	-	0.00	27,105,579.93
391	3,016,061.89	1,174,594.74	-	-	13,113.31	4,203,769.94
3022	-	1,203,918.01	-	-	0.00	1,203,918.01
3026	-	41,077,810.78	-	-	0.00	41,077,810.78
3038	-	1,030,351.33	-	-	0.00	1,030,351.33
					Adjustments	1,846,972.81
					(Adj from New Sections)	-
Total 345kV Lines - EHV	\$ 23,796,712.28	79,153,492.47	(68,984.26)	(0.00)	1,846,972.81	\$ 104,728,193.30
Total PTF Line	\$ 161,100,730.18	182,806,841.00	(2,858,257.08)	(6,480.81)	(3,646,858.33)	\$ 355,792,634.77
115kV Substations						
	PTF Investment as of 12/31/12	2012 Activity				PTF Investment as of 12/31/12
		Additions	Retires	Transfers	Adjustments	
Augusta East	2,075,736.22	-	-	-	356.17	2,076,092.39
WF Wyman	1,348,348.87	59,937.89	-	-	(7,197.30)	1,401,089.46
Highland	935,669.72	287,433.90	-	-	(69,875.27)	1,085,228.35
Mason	6,134,033.10	3,618,296.88	-	-	(2,538,335.39)	7,203,994.59
Maxco's	4,785,328.89	20,529.95	-	-	(32,770.27)	4,793,088.57
Topsham	-	7,219.97	-	-	-	7,219.97
Bath	1,712,042.02	301.79	(3,050.08)	-	1,872.91	1,711,166.66
Puddledock	157,883.97	-	-	-	(20,919.36)	136,964.61
Bowman St	2,551,128.45	716,085.54	-	-	(1,874,162.39)	1,393,051.60
Meadow Road	-	-	-	-	-	-
Newcastle	2,044,575.72	(704.43)	-	-	(3,001.40)	2,040,869.89
Crowley's	1,948,266.93	456.57	-	-	2,662.18	1,951,385.68
Gulf Island	2,793,530.18	(448.42)	-	-	(8,760.91)	2,784,320.85
Larrabee Road 115KV	-	3,054,223.17	-	-	3,054,223.17	3,054,223.17
Hotel Rd	1,300,767.67	(6,903.94)	-	-	151,762.53	1,445,626.26
Challenger Drive	155,111.82	12.74	-	-	-	155,124.56
Kimbark Rd	4,811,314.59	107.04	-	-	(46,584.51)	4,764,837.12
Lewiston Lower	705,234.42	-	-	-	(2,981.25)	702,253.17
Livermore Falls	1,814,476.10	17,454.70	(3,715.90)	-	(6,526.45)	1,821,688.45
Lovell	-	-	-	-	-	-
Norway	23,719.21	-	-	-	-	23,719.21
Surwilec	9,050,085.06	28,199.55	-	-	(9,143.51)	9,069,141.10
Norway Switch	45,083.06	-	-	-	-	45,083.06
Raymond	1,458,774.05	1,830.68	-	-	1,861.00	1,462,435.73
Rumford	5,410,945.92	4,884,322.71	(157,229.56)	-	(4,800,812.15)	5,337,226.92
Riley	1,774,934.66	-	-	-	27,421.87	1,802,356.53
Woodstock	5,149,852.87	403,897.42	-	-	193,805.67	5,747,555.96
Monmouth	-	7,478,058.97	-	122,894.15	-	7,600,953.12
Rumford IP	6,523,044.41	(36,306.12)	(8,417.32)	-	16,635.23	6,494,956.20
Linds	-	1,262,857.00	-	-	-	1,262,857.00
Cape	-	-	-	-	-	-
Elm Street	109,933.56	-	-	-	(109,933.56)	-
Louden	4,880,099.25	689,856.93	(312,647.72)	-	(1,038,465.26)	4,218,943.18
Moshers	2,732,068.43	490,906.61	(33,885.75)	-	(675,491.67)	2,813,597.62
Mussey	405,191.91	-	-	-	-	405,191.91
West Kennebunk	327,668.01	-	-	-	-	327,668.01
Pleasant Hill	927,251.65	73,669.90	(502.37)	-	4,249.05	1,004,668.23
Prodes Corner	-	-	-	-	-	-
Maguire Rd	12,433,614.68	(516.27)	-	-	(0.01)	12,433,098.40
Quaker Hill	1,176,546.12	53,292.81	-	-	(19,188.95)	1,210,649.98
Cape	574,540.51	311,750.46	(44,922.74)	-	(22,915.35)	818,458.88
Fore River	4,379,711.53	-	-	-	-	4,379,711.53
West Buxton	340,454.98	-	-	-	31,416.37	371,871.35
Sewall St	558,152.78	-	(3,730.87)	-	(20,216.19)	534,205.75
Spring St	1,969,939.27	2,686.54	-	-	(49,472.89)	1,923,152.92
Three Rivers	56,647.47	-	-	-	-	56,647.47
Waterloo 115KV	1,541.04	-	-	-	(1,541.04)	-
Buckford Ind. Park	-	-	-	-	-	-
Sanford	1,913,209.36	728,745.62	(220,002.14)	-	49,811.45	2,471,764.29
South Gorham	13,162,101.08	8,355,891.52	(1,377,859.93)	-	(8,317,263.13)	11,844,869.54
Reed Brook	332,365.28	1,211.77	-	-	(540.82)	333,036.23
Westbrook	1,755,316.51	2,782.86	-	-	86,923.90	1,845,023.27
Lincolnton	395,625.46	-	-	-	(84,739.72)	310,885.74
Bucksport	2,836,135.20	(12,478.29)	-	-	32,190.41	2,855,847.32
Detroit	2,798,238.39	(510.85)	-	-	(6,038.60)	2,791,688.94
Sappi (Hinckley)	-	-	-	-	-	-
Starks	-	7,062,932.83	-	-	-	7,062,932.83
Lakewood	-	-	-	-	-	-
Searsport	-	-	-	-	-	-
Sturtevant	142,527.28	-	-	-	-	142,527.28
Athens	-	3,640,336.11	-	-	-	3,640,336.11
Winslow	1,733,697.35	-	-	-	(65,008.20)	1,668,689.15
Harwood Road	6,830,110.91	36,569.63	-	-	(8,670.23)	6,858,109.31
Wyman	1,583,258.06	2,670,134.59	(51,332.36)	-	356,425.79	4,558,485.99
Belfast	-	-	-	-	-	-
Total 115kV	\$ 128,886,524.00	45,905,149.24	(2,751,287.59)	122,894.15	(18,784,052.60)	\$ 153,379,227.20
345kV						
Coopers Mills Road 345 KV	1,854,612.66	-	-	-	833.70	1,855,446.36
Mason	1,273,414.96	1,091,493.56	(8,813.14)	-	-	2,365,095.38
Maxco's	4,778,857.26	6,564.75	-	-	-	4,785,422.00
Maine Yankee	4,212,636.01	7,487.47	-	-	(14,414.79)	4,205,710.69
Larrabee Road 345KV	1,528,069.23	31,203,575.93	-	-	(1,528,069.21)	31,203,575.95
Surwilec	4,860,096.93	16,460,510.02	-	-	-	21,320,606.95
Buxton	16,842,522.31	42,666.83	-	-	(8,708.62)	16,876,480.52
South Gorham	27,290,886.41	(83,603.03)	(460,017.65)	-	(72,303.61)	26,674,962.12
Albion Road S/S 345 KV	3,775,217.62	3,917,038.89	-	-	(3,775,217.62)	3,917,038.89
Total 345KV	66,116,915.38	52,646,635.33	(468,830.79)	-	(5,397,880.15)	112,896,639.77
Total Substations	\$ 195,003,439.38	98,551,794.57	(3,220,116.36)	122,894.15	(24,161,932.75)	\$ 266,276,066.97
Total PTF	\$ 356,104,169.56	281,358,625.57	(6,078,375.46)	(27,828,789.08)	-	\$ 622,068,701.74
					Total PTF	\$ 622,068,701.74

**CENTRAL MAINE POWER COMPANY
POST 1996 RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

Shading denotes an input							
		FORECASTED TRANSMISSION REVENUE REQUIREMENTS (FTRR)	Forecast Period	Attachment F Reference	Amount		Reference
				Section:			
Line No.							
1		Forecasted Rev Req'ts for FTPA			\$ 56,687,384		line 6 below
2		Forecasted Rev Req'ts for FCWIP			(14,155,764)		line 9 below
3		Forecasted Transmission Revenue Requirements (Lines 1 + 2)			\$ 42,531,620		
4		Forecasted Transmission Plant Additions (FTPA)	2013	Appendix C iv	\$ 369,648,889		
5		Carrying Charge Factor (CCF)		Appendix C vi	15.34%		line 14 below
6		Forecasted Rev Req'ts for FTPA (Lines 1*2)			\$ 56,687,384		
7		Forecasted MPRP CWIP (FCWIP)		Appendix C v	\$ (91,135,712)		Annual Report of Construction Costs
8		MPRP Cost of Capital Rate (MCOC)		Appendix C vii	15.53%		line 23 below
9		Forecasted Rev Req'ts for FCWIP (Lines 4*5)			\$ (14,155,764)		
		DERIVATION OF CARRYING CHARGE FACTOR (CCF)					
10		Investment Return and Income Taxes		(A)	\$ 52,409,055		Worksheet 2a, line 14
11		Depreciation Expense		(B)	10,774,778		Worksheet 1, line 17
12		Amortization of Loss on Reacquired Debt		(C)	162,738		Worksheet 1, line 18
13		Investment Tax Credit		(D)	(163,582)		Worksheet 1, line 19
14		Property Tax Expense		(E)	5,305,388		Worksheet 1, line 20
15		Payroll Tax Expense		(F)	-		Worksheet 1, line 21
16		Operation & Maintenance Expense		(G)	8,288,219		Worksheet 1, line 22
17		Administrative & General Expense		(H)	1,714,512		Worksheet 1, line 23
18		Total Expenses (Lines 10 thru 17)			78,491,108		
19		PTF Transmission Plant		(A)(1)(a)	\$ 511,827,300		Worksheet 1, line 1
20		Carrying Charge Factor (Lines 18/19)			15.34%		
		DERIVATION OF MPRP COST OF CAPITAL RATE (MCOC)					
21		Cost of Capital Rate - 11.64% ROE			14.22678%		Worksheet 2, line 33
22		Cost of Capital Rate - 1.25% bp ROE adder for MPRP			1.30584%		Worksheet 2, line 8
23		MPRP Cost of Capital Rate (MCOC) (Lines 21 + 22)			15.53262%		

Annual Report of MPRP Construction Costs for the 2013 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 2012.

Lewiston Loop represents a collection of projects within the MPRP that were not initially approved by the Maine Public Utilities Commission (MPUC) on June 10, 2010. CMP is currently seeking a separate Certificate of Public Convenience and Necessity (CPCN) for Lewiston Loop subject to further 115kV vs. 34kV solution analysis. No costs for the Lewiston Loop have been included in CMP's transmission CWIP or plant in-service. Costs for planning, engineering, management and land are recorded in a preliminary engineering account until such time that the Lewiston Loop project is approved by the MPUC.

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

CMP estimates the year-end 2013 MPRP CWIP balance will be \$477,105,847 for PTF facilities with \$3,616,344 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 2012.

4. A statement of the current status of the MPRP projects and estimated in-service dates for the program (excluding Lewiston Loop).

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

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	\$22,435
2010	\$4,674		\$709	\$0	\$0	\$0	\$5,383
2011	\$28,695		\$2,453	\$1,948	\$3,636	\$0	\$36,732
2012	\$210,650		\$13,261	\$4,061	\$11,567	\$1,113	\$240,652
2013	\$334,406	\$16,200	\$1,030	\$366	\$6,582	\$1,000	\$359,584
2014	\$382,034	\$19,489	\$5,500	\$3,214	\$5,600	\$1,000	\$416,837
2015	\$321,298		\$0	\$0	\$2,000	\$0	\$323,298
Total:	\$1,304,193	\$35,689	\$22,953	\$9,590	\$29,385	\$3,113	\$1,404,922

The total cost estimate for projects within the MPRP that are approved by the MPUC is \$1,404,922,000, including contingency. The current forecast anticipates that the Program can be constructed within the original cost estimate that includes sufficient funding to cover future commitments and program risk associated with environmental management, scheduling and potential constructability impacts.

Additional projects related to the MPRP that are excluded from the previous table require further study and approval. Their costs are estimated to be \$107,457 and include:

1. Sections 80 and 84 rebuilds
2. New 115kV Section 244
3. Lewiston Loop reinforcement
4. Raven Farm auto transformer and 115kV yard construction
5. Portland area reinforcement
6. Various rebuilds and 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 approval and the combined cost estimates for the MPRP as a whole.

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ATTACHMENT 1 – MONTHLY CWIP AND PLANT IN-SERVICE BALANCES

**Central Maine Power Company
FERC Informational Filing Attachment 1
MPRP 2012 Monthly CWIP and In-Service Transmission Balances**

	Total As of 12/31/2011	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
CWIP Balance	475,236,152	501,051,731	528,939,605	554,261,424	556,707,815	562,205,286	590,607,396	599,554,261	607,534,926	656,530,810	662,156,602	689,643,035	573,703,068
In Service	58,966,702	63,304,470	65,709,960	67,031,354	90,526,527	109,054,051	109,514,625	126,302,173	148,846,534	126,331,089	150,962,614	151,091,885	282,877,805

Transmission balances only

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:	\$ 1,306,414	PPA Approval:	
TCA Application #:	CMP-08-TCA-01 & CMP-10-TCA-01	Date:	5/31/2013

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 letters on October 9, 2009 and January 29, 2010. The Order from the Maine Public Utilities Commission (MPUC) approving a settlement was issued on June 10, 2010. 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. Right-of-Way (ROW) clearing is complete in all construction areas. The majority of the T-line materials are received and T-line construction is progressing according to the schedules with a target completion in 2015. Substation site development is complete at the major substations with construction progressing on or ahead of schedule.

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	\$ 430,524	\$ 497,860	\$ -	\$ 274,533	\$ 480,087	57%	\$ (17,773)
2.2.2 New 115KV Lines	\$ 190,722	\$ 220,777	\$ -	\$ 117,644	\$ 225,156	52%	\$ 4,379
2.2.3 New 345KV Substations	\$ 235,144	\$ 272,069	\$ -	\$ 182,370	\$ 210,000	87%	\$ (62,069)
2.2.4 New 115KV Substations	\$ 16,609	\$ 19,257	\$ -	\$ 12,446	\$ 20,500	61%	\$ 1,243
2.2.5 345 KV Substations Expansions/Modifications	\$ 74,632	\$ 86,322	\$ -	\$ 61,185	\$ 86,200	71%	\$ (122)
2.2.6 115 KV Substations Expansions/Modifications	\$ 22,611	\$ 26,823	\$ -	\$ 27,521	\$ 51,457	53%	\$ 24,634
2.2.7 Lines Rerates, Relocations, Rebuilds	\$ 336,172	\$ 389,015	\$ 3,500	\$ 288,838	\$ 438,979	66%	\$ 49,964
Grand Total	\$ 1,306,414	\$ 1,512,122	\$ 3,500	\$ 964,536	\$ 1,512,379	63.78%	\$ 257

Note: PTD Through the First Quarter of 2013

4. Project Forecast

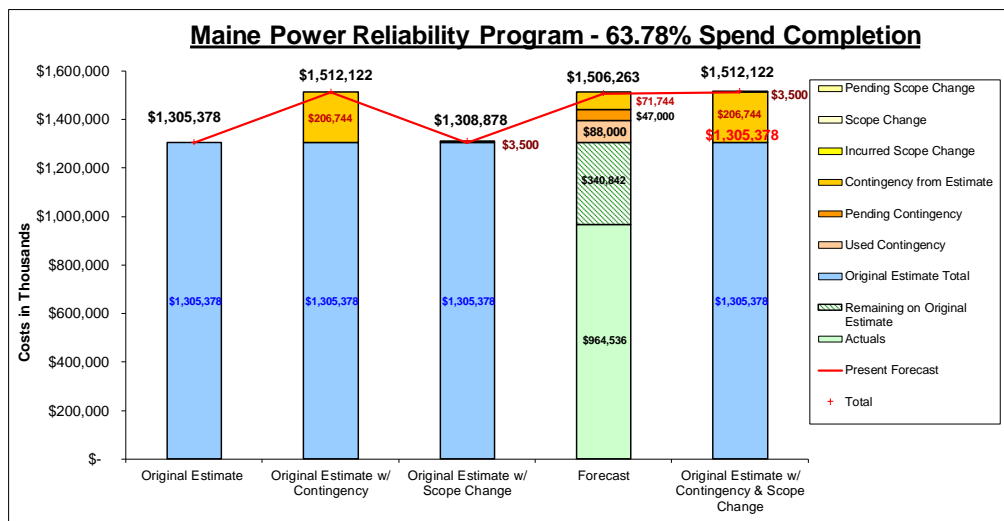


FIGURE 2 – MPRP PROJECTS APPROVED BY THE MPUC

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:	\$ 1,214,222	PPA Approval:	
TCA Application #:	CMP-08-TCA-01 & CMP-10-TCA-01	Date:	5/31/2013

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 letters on October 9, 2009 and January 29, 2010. The Order from the Maine Public Utilities Commission (MPUC) approving a settlement was issued on June 10, 2010. 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. Right-of-Way (ROW) clearing is complete in all construction areas. The majority of the T-line materials are received and T-line construction is progressing according to the schedules with a target completion in 2015. Substation site development is complete at the major substations with construction progressing on or ahead of schedule. The previous forecast is still valid based on an analysis of committed contract pricing and a comprehensive assessment of Program risk.

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	\$ 430,524	\$ 497,860	\$ -	\$ 274,533	\$ 480,087	57%	\$ (17,773)
2.2.2 New 115KV Lines	\$ 155,376	\$ 179,677	\$ -	\$ 115,104	\$ 182,056	63%	\$ 2,379
2.2.3 New 345KV Substations	\$ 235,144	\$ 272,069	\$ -	\$ 182,370	\$ 210,000	87%	\$ (62,069)
2.2.4 New 115KV Substations	\$ 8,697	\$ 10,057	\$ -	\$ 11,081	\$ 11,100	100%	\$ 1,043
2.2.5 345 KV Substations Expansions/Modifications	\$ 70,160	\$ 81,122	\$ -	\$ 61,185	\$ 81,000	76%	\$ (122)
2.2.6 115 KV Substations Expansions/Modifications	\$ 19,515	\$ 23,223	\$ -	\$ 26,561	\$ 47,400	56%	\$ 24,177
2.2.7 Lines Rerates, Relocations, Rebuilds	\$ 294,806	\$ 340,915	\$ 3,500	\$ 288,718	\$ 393,279	73%	\$ 52,364
Grand Total	\$ 1,214,222	\$ 1,404,922	\$ 3,500	\$ 959,551	\$ 1,404,922	68.30%	\$ (0)

Note: PTD Through the First Quarter of 2012 (includes Bangor Hydro Orrington Substation expansion)

4. Project Forecast

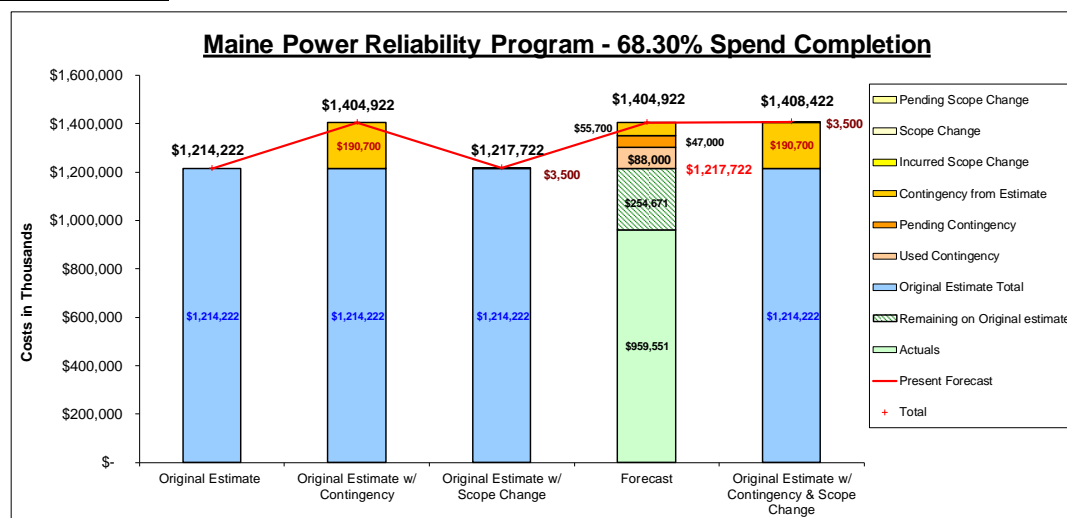


FIGURE 3 – ADDITIONAL MPRP PROJECTS PENDING MPUC APPROVAL

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:	\$ 92,192	PPA Approval:	
TCA Application #:	CMP-08-TCA-01 & CMP-10-TCA-01	Date:	5/31/2013

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

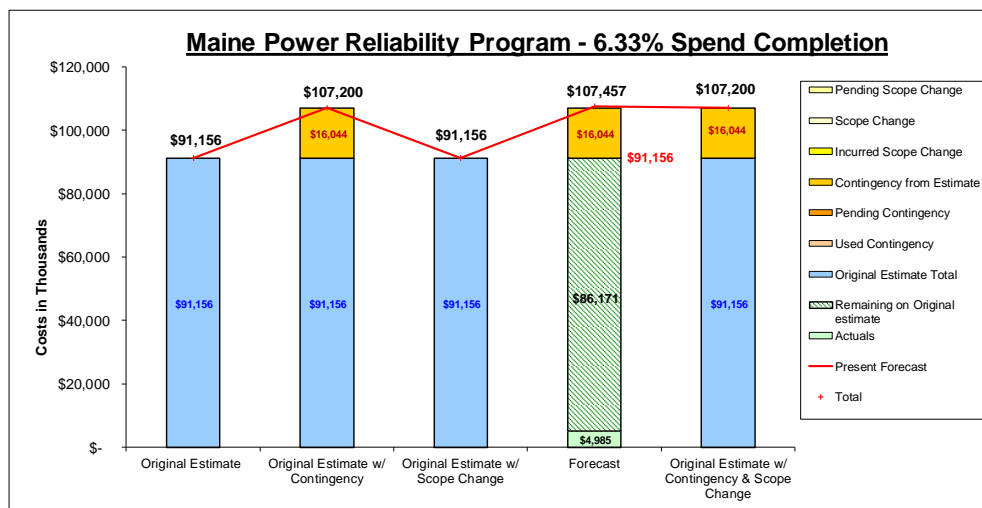
The MPRP received its ISO-NE determination letters on October 9, 2009 and January 29, 2010. The Order from the Maine Public Utilities Commission (MPUC) approving the settlement was issued on June 10, 2010. Approvals by the Maine Department of Environmental Protection (MDEP) were received on April 5, 2010 and the by the Army Corps of Engineers (ACOE) on July 21, 2010. A number of projects were deferred as part of the MPUC regulatory process pending additional analysis. Those projects include the Lewiston Loop reinforcement, mid-coast spur and other Portland area upgrades. Portions of the certain deferred projects require modest levels of construction under the classification of "remote end" or "line termination" as described in the report. The cost of construction for this work is accounted for in the approved project forecast and the additional project forecast estimates have been redistributed to align with the physical work expectations.

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	\$ 35,346	\$ 41,100	\$ -	\$ 2,540	\$ 43,100	6%	\$ 2,000
2.2.3 New 345KV Substations	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ -
2.2.4 New 115KV Substations	\$ 7,912	\$ 9,200	\$ -	\$ 1,365	\$ 9,400	15%	\$ 200
2.2.5 345 KV Substations Expansions/Modifications	\$ 4,472	\$ 5,200	\$ -	\$ -	\$ 5,200	0%	\$ -
2.2.6 115 KV Substations Expansions/Modifications	\$ 3,096	\$ 3,600	\$ -	\$ 960	\$ 4,057	24%	\$ 457
2.2.7 Lines Rerates, Relocations, Rebuilds	\$ 41,366	\$ 48,100	\$ -	\$ 120	\$ 45,700	0%	\$ (2,400)
Grand Total	\$ 92,192	\$ 107,200	\$ -	\$ 4,985	\$ 107,457	6.33%	\$ 257

Note: PTD Through the First Quarter of 2013

4. Project Forecast



APPENDIX A – PROGRAM COST SUMMARY



MAINE POWER RELIABILITY PROGRAM (MPRP)
Program Cost Summary \$/1000
as of 31-May-13



Approved Projects

Calendar Year	Pre 2013 Total	2013													2014 Total	2015 Total	TOTAL
		January	February	March	April	May	June	July	August	September	October	November	December	2013 Total			
Material	\$ 149,909	\$ 10,159	\$ 5,368	\$ 4,176	\$ 2,537	\$ 6,977	\$ 2,584	\$ 2,618	\$ 2,002	\$ 2,000	\$ 2,000	\$ 2,823	\$ 2,059	\$ 45,301	\$ 8,377	\$ 4,500	\$ 208,087
Labor	\$ 327,273	\$ 11,372	\$ 10,265	\$ 13,965	\$ 8,517	\$ 17,317	\$ 10,929	\$ 25,854	\$ 12,138	\$ 13,150	\$ 12,985	\$ 12,103	\$ 12,476	\$ 161,072	\$ 58,486	\$ 41,211	\$ 588,041
Right of Way (net)	\$ 39,164	\$ 1	\$ 15	\$ 8	\$ 243	\$ 12	\$ 22	\$ 32	\$ 2	\$ 151	\$ 25	\$ -	\$ -	\$ 509	\$ 2	\$ 2	\$ 39,676
Engineering / Permitting / Indirects	\$ 246,930	\$ 3,541	\$ 3,894	\$ 3,163	\$ 4,288	\$ 2,712	\$ 2,532	\$ 2,512	\$ 2,814	\$ 2,637	\$ 2,589	\$ 2,115	\$ 2,197	\$ 34,994	\$ 33,685	\$ 29,115	\$ 344,724
Escalation (Future Spend)	\$ -	\$ -	\$ -	\$ -	\$ 1,925	\$ 1,634	\$ 1,634	\$ 1,634	\$ 1,634	\$ 1,634	\$ 1,634	\$ 1,634	\$ 1,634	\$ 15,000	\$ 20,000	\$ 17,800	\$ 52,800
AFUDC (Distribution)	\$ 471	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 228	\$ -	\$ -	\$ 699
Contingency	\$ 117,810	\$ -	\$ -	\$ -	\$ -	\$ 847	\$ 847	\$ 847	\$ 847	\$ 847	\$ 16,847	\$ 1,347	\$ 1,347	\$ 23,774	\$ 23,712	\$ 5,600	\$ 170,896
Total	\$ 881,556	\$ 25,092	\$ 19,562	\$ 21,331	\$ 17,529	\$ 29,518	\$ 18,566	\$ 33,515	\$ 19,455	\$ 20,438	\$ 36,099	\$ 20,041	\$ 19,732	\$ 280,878	\$ 144,261	\$ 98,228	\$ 1,404,922

Additional Projects

Calendar Year	Pre 2013 Total	2013												2014 Total	2015 Total	TOTAL		
		January	February	March	April	May	June	July	August	September	October	November	December				2013 Total	
Material	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,100	\$ 9,580	\$ 25,680
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,500	\$ 18,700	\$ 37,200
Right of Way	\$ 1,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,211
Engineering / Permitting / Indirects	\$ 3,692	\$ 26	\$ (7)	\$ 19	\$ 12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 233	\$ 466	\$ 466	\$ 1,216	\$ 9,859	\$ 9,200	\$ 23,967
Escalation (Future Spend)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,843	\$ 1,422	\$ 3,265
AFUDC (Lewiston Loop)	\$ 44	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,070	\$ 7,020	\$ 16,090
Total	\$ 4,947	\$ 26	\$ (7)	\$ 19	\$ 12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 233	\$ 466	\$ 466	\$ 1,216	\$ 55,372	\$ 45,922	\$ 107,456

Total Projects

Calendar Year	Pre 2013 Total	2013													2014 Total	2015 Total	TOTAL
		January	February	March	April	May	June	July	August	September	October	November	December	2013 Total			
Material	\$ 149,909	\$ 10,159	\$ 5,368	\$ 4,176	\$ 2,537	\$ 6,977	\$ 2,584	\$ 2,618	\$ 2,002	\$ 2,000	\$ 2,000	\$ 2,823	\$ 2,059	\$ 45,301	\$ 24,477	\$ 14,080	\$ 233,767
Labor	\$ 327,273	\$ 11,372	\$ 10,265	\$ 13,965	\$ 8,517	\$ 17,317	\$ 10,929	\$ 25,854	\$ 12,138	\$ 13,150	\$ 12,985	\$ 12,103	\$ 12,476	\$ 161,072	\$ 76,986	\$ 59,911	\$ 625,241
Right of Way	\$ 40,375	1	\$ 15	\$ 8	243	\$ 12	\$ 22	\$ 32	\$ 2	\$ 151	\$ 25	\$ -	\$ -	\$ 509	\$ 2	\$ 2	\$ 40,887
Engineering / Permitting / Indirects	\$ 250,622	\$ 3,567	\$ 3,887	\$ 3,182	\$ 4,300	\$ 2,712	\$ 2,532	\$ 2,512	\$ 2,814	\$ 2,637	\$ 2,822	\$ 2,581	\$ 2,663	\$ 36,210	\$ 43,544	\$ 38,315	\$ 368,691
Escalation (Future Spend)	\$ -	\$ -	\$ -	\$ -	\$ 1,925	\$ 1,634	\$ 1,634	\$ 1,634	\$ 1,634	\$ 1,634	\$ 1,634	\$ 1,634	\$ 1,634	\$ 15,000	\$ 21,843	\$ 19,222	\$ 56,065
AFUDC	\$ 515	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 19	\$ 228	\$ -	\$ -	\$ 743
Contingency	\$ 117,810	\$ -	\$ -	\$ -	\$ -	\$ 847	\$ 847	\$ 847	\$ 847	\$ 847	\$ 16,847	\$ 1,347	\$ 1,347	\$ 23,774	\$ 32,782	\$ 12,620	\$ 186,985
Total	\$ 886,503	\$ 25,118	\$ 19,555	\$ 21,350	\$ 17,541	\$ 29,518	\$ 18,566	\$ 33,515	\$ 19,455	\$ 20,438	\$ 36,332	\$ 20,507	\$ 20,198	\$ 282,094	\$ 199,633	\$ 144,150	\$ 1,512,379

APPENDIX B – MPRP COSTS THROUGH 2012 FOR CWIP FILING

MPRP Costs For 2013 CWIP Filing

	PTF	Non-PTF	Transmission Totals
A. 2012 Ending Balances			
Plant In-Service	\$ 266,455,137	\$ 16,422,668	\$ 282,877,805
CWIP	\$ 568,241,559	\$ 5,461,509	\$ 573,703,068
Total through 2012	\$ 834,696,696	\$ 21,884,177	\$ 856,580,873
B. 2013 Additions or Adjustments			
Plant In-Service	\$ 334,405,885	\$ 6,154,941	\$ 340,560,826
CWIP	\$ (91,135,712)	\$ (1,848,165)	\$ (92,983,877)
Total Projected in 2013	\$ 243,270,173	\$ 4,306,776	\$ 247,576,949
C. Projected 2013 Ending Balances			
Plant In-Service	\$ 600,861,022	\$ 22,577,609	\$ 623,438,631
CWIP	\$ 477,105,847	\$ 3,613,344	\$ 480,719,191
Total Projected through 2013	\$ 1,077,966,869	\$ 26,190,953	\$ 1,104,157,822

CMEEC
Revenue Required and Support Payment Summary
For Rate Year June 2013 - May 2014
Submitted May 13, 2013

Support Payments / Revenue Requirements	Pre-97	Post-96	Total
Support Payments to New England Power Company for Hydro-Quebec Phase II A.C. Transmission Facilities (Attachment F, Item K)	\$ 53,678	\$ -	\$ 53,678
Support Payments to Boston Edison Company for Hydro-Quebec Phase II A.C. Transmission Facilities (Attachment F, Item K)	4,006	-	4,006
Support Payments to New England Hydro-Transmission Corporation for Hydro-Quebec Phase II Chester SVC Facility (Attachment F, Item K)	22,557	-	22,557
Revenue Requirements for Bozrah Light and Power PTF Facilities	-	190,568	190,568
Revenue Requirements for Groton Utilities PTF Facilities	-	283,343	283,343
Revenue Requirements for Mohegan Tribal Utility Authority PTF Facilities	-	319,544	319,544
Revenue Requirements for Norwich Public Utilities PTF Facilities	221,481	-	221,481
Revenue Requirements for Town of Wallingford, Electric Div. PTF Facilities	126,305	761,274	887,579
Total Support Payments and Revenue Requirements	\$ 428,027	\$ 1,554,729	\$ 1,982,756

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 13, 2013
Revenue Requirements based on Year Ending:	June 30, 2012
Rate Effective for the period:	June 1, 2013
Through:	May 31, 2014
Customer:	Bozrah Light and Power
Customer's NABs Number:	8
Name of Participant responsible for customer's billing:	CMEEC
DUNs number of Participant responsible for customer's billing:	09-207-8351

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	0 (a)	141,405 (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)	141,405 (j)=(f)-(g)+(h)+(i)
Forecasted Transmisison Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	0	- (k)
Annual True-up (per attachment C to Attachemnet F Implementation I	0	49,163 (l)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		190,568 (m) = (e)+(j)+(k)+(l)
 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)		<u>190,568</u> =(m)

Shading denotes an input

		Attachment F		
		Reference	Post 1996	Reference
Line No.	I. INVESTMENT BASE	Section:		
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)	35,020	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)		1,015,568	
10	Prepayments	(A)(1)(h)	0	Worksheet 3, L34
11	Materials & Supplies	(A)(1)(i)	6,539	Worksheet 3, L36
12	Cash Working Capital	(A)(1)(j)	121	Worksheet 3, 44
13	Total Investment Base (Line 9+10+11+12)		1,022,228	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	81,778	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)	23,638	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)	969	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)		141,405	

Bozrah Light and Power

PTF Revenue Requirements

Worksheet 2 of 7

Shading denotes an input

	<u>CAPITALIZATION 2012</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	6,904,063	100.00%	8.00%	8.00%	8.00%
TOTAL INVESTMENT RETURN	\$ <u>6,904,063</u>	<u>100.00%</u>		<u>8.00%</u>	<u>8.00%</u>

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 1,022,228	From Worksheet 1
x Cost of Capital Rate	8.00%	
= Investment Return and Income Taxes	<u>81,778</u>	To Worksheet 1

Bozrah Light and Power

PTF Revenue Requirements

Worksheet 3 of 7

Shading denotes an input
designates number brought to another worksheet

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	1,267,408		1,267,408		1,050,588	
2	1,214,863	0.0000% (a)	0	82.8927%	0	DPUC Report-Page 502
3			1,267,408		1,050,588	
4	0		0	82.8927%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	42,247		42,247	82.8927%	35,020	
6	433,952	0.0000% (a)	0	82.8927%	0	
7			42,247		35,020	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	7.9698% (c)	0	82.8927%	0	Not applicable.
9	0	7.9698% (c)	0	82.8927%	0	Not applicable.
10	0		0		0	
11	0	7.9698% (c)	0	82.8927%	0	Not applicable.
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	82.8927%	0	Not applicable.
13	0	7.9698% (c)	0	82.8927%	0	Not applicable.
14	0	7.9698% (c)	0	82.8927%	0	Not applicable.
15	0		0		0	
16	0	0.0000% (a)	0	82.8927%	0	Assumed none
17	98,991	7.9698%	7,889	82.8927%	6,539	DPUC report-Page 200
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense					Worksheet 1, Line 20
20	Administrative & General Expense					Worksheet 1, Line 21
21	Transmission Support Expense					Worksheet 1, Line 24
22	Subtotal (line 19+20+21)					
23						x 45 / 360
24	Total (line 22 * line 23)					

(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
<u>Depreciation Expense</u>						
1	42,247		42,247	82.8927%	35,020	30 year life
2	324,788	0.0000% (a)	0	82.8927%	0	DPUC Report Page 200
3	Total (line 1+2)		42,247		35,020	
4	Amortization of Loss on Reacquired Debt	7.9698% (c)	0	82.8927%	0	None known
5	Amortization of Investment Tax Credits	7.9698% (c)	0	82.8927%	0	None known
<u>Property Taxes *</u>						
6	Transmission Property Taxes		28,517	82.8927%	23,638	See below
7	General Property Taxes	0.0000% (a)	0	82.8927%	0	See below
8	Total (line 6+7)		28,517		23,638	
<u>Transmission Operation and Maintenance</u>						
9	Operation and Maintenance		0	82.8927%	0	DPUC Report-Page 518
10	Transmission of Electricity by Others - #565		0	82.8927%	0	
11	Load Dispatching - #561		0	82.8927%	0	
12	**Station Expenses & Rents - #562 / #567		0	82.8927%	0	DPUC Report-Page 518
13	O&M less lines 10, 11 & 12		0	82.8927%	0	
<u>Transmission Administrative and General</u>						
14	Administrative and General		394,445			DPUC Report-Page 520
15	less Property Insurance (#924)		2,555			DPUC Report-Page 520
16	less Regulatory Commission Expenses (#928)		2,249			DPUC Report-Page 520
17	less General Advertising Expense (#930.1)		9,868			DPUC Report-Page 520
18	Subtotal [line 14 minus (15 thru 17)]		379,773	0.0000% (a)	0	
19	PLUS Property Insurance alloc. using Plant Allocator	7.9698% (c)	204	82.8927%	169	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	7.9698% (c)	179	82.8927%	148	
21	PLUS Trans. Related General Advertising Expense	7.9698% (c)	786	82.8927%	652	
22	Total A&G [line 18 plus (19 thru 21)]		1,169		969	
23	Payroll Tax Expense	0.0000% (a)	0	82.8927%	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						
	Federal Unemployment		0			assumed none for simplicity
	FICA	369,803				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	369,803				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	15,902,536	DPUC Report Page 502 Line18
Less Furniture & Fixtures	279,539	DPUC Report Page 502 Line4
Net Taxable Plant	15,622,997	
Applicable Mill Rate	22.5	from
	351,517	To Line 7above
Total Transmission Plant in Service 6/30/12	1,267,408	worksheet 3 L10
Applicable Mill Rate	22.500	
	28,517	To Line 6 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	1,050,588	from excel worksheet - B Roche DPUC Report-Page 501
2	Total Transmission Investment	1,267,408	
3	Percent Allocation (Line 1/Line 2)	82.8927%	
 <u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	0	DPUC Report-Page 507 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	595,315	DPUC Report-Page 507
8	Administrative and General Wages and Salaries	78,236	DPUC Report-Page 507
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)	517,079	
11	Percent Allocation (Line 6/Line 10)	0.0000%	
 <u>Plant Allocation Factor</u>			
12	Total Transmission Investment	1,267,408	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)	1,267,408	
15	Total Electric Plant in Service	15,902,536	DPUC Report-Page 502
16	Percent Allocation (Line 14 / Line 15)	7.9698%	

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)

Bozrah Light & Power
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2012

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)		93,829	\$ 93,829	ATRR - Prior Year
2	True-up 2012 Actual Annual RR		141,405	\$ 141,405	PTF Pre & Post on ATRR
3	True-up Surcharge / (Refund) (Line 2 - 1)	-	47,576	\$ 47,576	

	Under/(Over) Collected
Pre 1997	\$ -
Post 1996	\$ 47,576

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2012	\$ -	\$ 47,576	0.27%	\$ -	\$ 128
July 2012	\$ -	\$ 47,704	0.28%	\$ -	\$ 134
August 2012	\$ -	\$ 47,704	0.28%	\$ -	\$ 134
September 2012	\$ -	\$ 47,704	0.27%	\$ -	\$ 129
October 2012	\$ -	\$ 48,101	0.28%	\$ -	\$ 135
November 2012	\$ -	\$ 48,101	0.27%	\$ -	\$ 130
December 2012	\$ -	\$ 48,101	0.28%	\$ -	\$ 135
January 2013	\$ -	\$ 48,501	0.28%	\$ -	\$ 136
February 2013	\$ -	\$ 48,501	0.25%	\$ -	\$ 121
March 2013	\$ -	\$ 48,501	0.28%	\$ -	\$ 136
April 2013	\$ -	\$ 48,894	0.27%	\$ -	\$ 132
May 2013	\$ -	\$ 48,894	0.28%	\$ -	\$ 137
Total Surcharge/ (Refund)				\$ -	\$ 49,163

	Interest	Principal	Total
Pre 1997	\$ -	\$ -	\$ -
Post 1996	\$ 1,587	\$ 47,576	\$ 49,163
	\$ 1,587	\$ 47,576	\$ 49,163

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 13, 2013
Revenue Requirements based on Year Ending:	June 30, 2012
Rate Effective for the period:	June 1, 2013
Through:	May 31, 2014
Customer:	City of Groton, Dept. of Utilities
Customer's NABs Number:	8
Name of Participant responsible for customer's billing:	CMEEC
DUNs number of Participant responsible for customer's billing:	09-207-8351

	<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>242,739</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>242,739</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>0</u>	<u>5,789</u> (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>0</u>	<u>\$34,815</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>283,343</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><u>283,343</u></u> (l)=(o)+(b)+(g)-(h)

Shading denotes an input

		Attachment F		
		Reference	Post 1996	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	2,515,513	Worksheet 3, L10
2	General Plant	(A)(1)(b)	66,222	Worksheet 3, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3, L14
4	Total Plant (Lines 1+2+3)		2,581,735	
5	Accumulated Depreciation	(A)(1)(d)	2,281,433	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)		300,302	
10	Prepayments	(A)(1)(h)	588	Worksheet 3, L34
11	Materials & Supplies	(A)(1)(i)	65,611	Worksheet 3, L36
12	Cash Working Capital	(A)(1)(j)	8,876	Worksheet 3, 44
13	Total Investment Base (Line 9+10+11+12)		375,377	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	30,030	Worksheet 2, E56
15	Depreciation Expense	(B)	64,418	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)	74,433	Worksheet 4, L8
19	Payroll Tax Expense	(F)	2,853	Worksheet 4, L23
20	Operation & Maintenance Expense	(G)	27,407	Worksheet 4, L13
21	Administrative & General Expense	(H)	43,598	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)		242,739	

Shading denotes an input

	CAPITALIZATION 6/30/2012		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	(14,036,272)	DPUC Rpt. P. 201, line 11	100.00%	8.00%	8.00%	8.00%
TOTAL INVESTMENT RETURN	\$ (14,036,272)		100.00%		8.00%	8.00%

	(PTF)	
INVESTMENT BASE	\$ 375,377	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	30,030	To Worksheet 1

City of Groton, Dept. of Utilities

PTF Revenue Requirements
Worksheet 3 of 7

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
<u>Transmission Plant</u>						
1	8,009,529		8,009,529		\$ 2,515,513	
2	8,514,150	2.4765% (a)	210,853	31.4065%	66,222	DPUC Report-Page 502
3			<u>8,220,382</u>		<u>2,581,735</u>	
4	0		0	31.4065%	<u>0</u>	None known
<u>Transmission Accumulated Depreciation</u>						
5	7,131,186		7,131,186	31.4065%	2,239,656	see depreciation tab
6	5,371,345	2.4765% (a)	133,021	31.4065%	41,777	see depreciation tab
7			<u>7,264,207</u>		<u>2,281,433</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	12.7212% (c)	0	31.4065%	0	None known
9	0	12.7212% (c)	0	31.4065%	0	None known
10			<u>0</u>		<u>0</u>	
11	0	12.7212% (c)	0	31.4065%	<u>0</u>	None known
<u>Other Regulatory Assets</u>						
12	0	2.4765% (a)	0	31.4065%	0	None known
13	0	12.7212% (c)	0	31.4065%	0	None known
14	0	12.7212% (c)	0	31.4065%	0	
15	<u>0</u>		<u>0</u>		<u>0</u>	
16	75,607	2.4765% (a)	1,872	31.4065%	<u>588</u>	DPUC Report-Page 210 L14
17	1,642,205	12.7212%	208,908	31.4065%	<u>65,611</u>	DPUC report-Page 200
<u>Cash Working Capital</u>						
18					27,407	Worksheet 1, Line 20
19					43,598	Worksheet 1, Line 21
20					0	Worksheet 1, Line 24
21					71,005	
22					<u>0.125</u>	x 45 / 360
23					<u>8,876</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

PTF Revenue Requirements
Worksheet 4 of 7

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
<u>Depreciation Expense</u>						
1	174,555		174,555	31.4065%	54,822	see below
2	1,233,728	2.4765% (a)	30,553	31.4065%	9,596	see below
3	1,408,283		205,108		64,418	
4	0	12.7212% (c)	0	31.4065%	0	None known
5	0	12.7212% (c)	0	31.4065%	0	None known
<u>Property Taxes *</u>						
6	198,756		198,756	31.4065%	62,422	See below
7	1,544,247	2.4765% (a)	38,243	31.4065%	12,011	See below
8			236,999		74,433	
<u>Transmission Operation and Maintenance</u>						
9	87,265		87,265	31.4065%	27,407	DPUC Report-Page 518
10	0		0	31.4065%	0	
11	0		0	31.4065%	0	
12	0		0	31.4065%	0	
13	87,265		87,265	31.4065%	27,407	
<u>Transmission Administrative and General</u>						
14	5,295,584					DPUC Report-Page 520
15	66,446					DPUC Report-Page 520
16	8,437					DPUC Report-Page 520
17	0					assumed none
18	5,220,701	2.4765% (a)	129,291	31.4065%	40,606	
19	66,446	12.7212% (c)	8,453	31.4065%	2,655	
20	8,437	12.7212% (c)	1,073	31.4065%	337	
21	0	12.7212% (c)	0	31.4065%	0	
22	5,295,584		138,817		43,598	
23	366,806	2.4765% (a)	9,084	31.4065%	2,853	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	366,806		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	366,806		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 6/30/12	8,009,529	worksheet 3 L10
Applicable Mill Rate	24.815	
	198,756	To Line 6 above
Total Electric Plant in Service as of 6/30/12	64,619,677	DPUC Report Page 502 Line18
Less Furniture & Fixtures	2,389,275	DPUC Report Page 502 Line4
Net Taxable Plant	62,230,402	
Applicable Mill Rate	24.815	
	1,544,247	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.

transmission depreciation = Total Depr DPUC pg 508 L 3 x (transmission investment wksht 5 / total plant in service wksht 5)
general depreciation = Total Depr DPUC pg 508 L 3 - transmission depreciation

Shading denotes an input

Line
No.

PTF Transmission Plant Allocation Factor**Post 1996****Reference**

1	PTF Transmission Investment	\$ 2,515,513	From Auditor's tab
2	Total Transmission Investment	8,009,529	DPUC Report-Page 501
3	Percent Allocation (Line 1/Line 2)	31.4065%	

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	49,008	DPUC Report-Page 507
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	49,008	
7	Total Wages and Salaries	3,354,589	DPUC Report-Page 507
8	Administrative and General Wages and Salaries	1,375,634	DPUC Report-Page 507
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)	1,978,955	
11	Percent Allocation (Line 6/Line 10)	2.4765%	

Plant Allocation Factor

12	Total Transmission Investment	8,009,529	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	210,853	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	8,220,382	
15	Total Plant in Service	64,619,677	DPUC Report-Page 502
16	Percent Allocation (Line 14 / Line 15)	12.7212%	

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 2012

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)	0	209,046	\$ 209,046	ATRR - Prior Year
2	True-up 2012 Actual Annual Revenue Req.	0	242,739	\$ 242,739	
3	True-up Surcharge / (Refund) (Line 2 - 1)	\$0	\$33,693	\$33,693	

	Undercollected/(Overcollected)
Pre 1997	\$0.00
Post 1996	\$33,693

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2012	\$0	\$33,693	0.27%	\$0	\$91
July 2012	\$0	\$33,784	0.28%	\$0	\$95
August 2012	\$0	\$33,784	0.28%	\$0	\$95
September 2012	\$0	\$33,784	0.27%	\$0	\$91
October 2012	\$0	\$34,065	0.28%	\$0	\$95
November 2012	\$0	\$34,065	0.27%	\$0	\$92
December 2012	\$0	\$34,065	0.28%	\$0	\$95
January 2013	\$0	\$34,347	0.28%	\$0	\$96
February 2013	\$0	\$34,347	0.25%	\$0	\$86
March 2013	\$0	\$34,347	0.28%	\$0	\$96
April 2013	\$0	\$34,625	0.27%	\$0	\$93
May 2013	\$0	\$34,625	0.28%	\$0	\$97

Total Undercollected/(Overcollected) \$0 \$34,815

	Interest	Principal	Total
Pre 1997	\$0	\$0	\$0
Post 1996	\$1,122	\$33,693	\$34,815
	\$1,122	\$33,693	\$34,815

CMEEC
For City of Groton Department of Utilities
For costs In 2013
FORECAST

Shading denotes an input

Attachment F

Regerence

I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS Period Section: POST-1996 Reference

Line No,

1	Forecasted Transmission Plant Additions	2013 Appendix C	60,000
2	Carrying Charge Factor		9.65%
3	Total Forecasted Revenue Requirements (Lines 1*2)		<u>5,789</u>

I. CARRYING CHARGE FACTOR

4	Investment Return and Income Taxes	30,030	Worksheet 2, E56
5	Depreciation Expense	64,418	Worksheet 4, L12
6	Amortization of Loss on Reacquired Debt	0	Worksheet 4, L14
7	Investment Tax Credit	0	Worksheet 4, L16
8	Property Tax Expense	74,433	Worksheet 4, L21
9	Payroll Tax Expense	2,853	Worksheet 4, L42
10	Operation & Maintenance Expense	27,407	Worksheet 4, L29
11	Administrative & General Expense	43,598	Worksheet 4, L40
12	Total Expenses (Lines 4 thru 11)	<u>242,739</u>	
13	PTF Transmission Plant	<u>2,515,513</u>	Worksheet 1, L1
14	Carrying Charge Factor (Lines 12/13)	<u>9.65%</u>	

Forecast Items Detail

Sag elimination on 1410 Line (Montville-Buddington)

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 13, 2013
Revenue Requirements for (year):	Year 2012
Rate Effective for the period:	June 1, 2013
Through:	May 31, 2014
Customer:	Mohegan Tribal Utility Authority
Customer's NABs Number:	8
Name of Participant responsible for customer's billing:	CMEEC
DUNs number of Participant responsible for customer's billing:	09-207-8351

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I =	0 (a)	\$ 315,702 (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)	\$ 315,702 (j)

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

\$ 315,702 (k) = (e) + (j)

Annual True-up (per attachment C to Attachment F Implementation)

\$ 3,842

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:

\$ 319,544 (l)=(k)+(b)+(g)-(h)

(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Shading denotes an input

		Attachment F		
		Reference	Post 1996	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	\$2,694,352	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)		\$2,694,352	
5	Accumulated Depreciation	(A)(1)(d)	\$1,185,515	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 0	(A)(1)(g)	\$0	Worksheet 3, Line 15
9	Net Investment (Line 4 - 5 - 6 + 7 + 8)		\$1,508,837	
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)	\$3,125	Worksheet 3, Line 24
13	Total Investment Base (Line 9 + 10 + 11 + 12)		\$1,511,962	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	\$120,957	Worksheet 2
15	Depreciation Expense	(B)	\$107,774	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)	\$61,970	Worksheet 4, Line 8
19	Payroll Tax Expense	(F)	\$0	Worksheet 4, Line 23
20	Operation & Maintenance Expense	(G)	\$25,001	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)		\$315,702	

Mohegan Tribal Utility Authority
Annual Revenue Requirements
for costs in 2012

Shading denotes an input

	CAPITALIZATION 12/31/2012	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%

	(PTF)	
INVESTMENT BASE	\$ 1,511,962	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	120,957	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	Transmission Plant	\$ 6,059,395	6,059,395	44.4657%	2,694,352	See Inventory Tab
2	General Plant		0	44.4657%	0	
3	Total (line 1 + 2)		<u>6,059,395</u>		<u>2,694,352</u>	
4	<u>Transmission Plant Held for Future Use</u>	0	0	44.4657%	0	
	<u>Transmission Accumulated Depreciation</u>					
5	Transmission Accum. Depreciation	2,666,134	2,666,134	44.4657%	1,185,515	
6	General Plant Accum. Depreciation	0	0	44.4657%	0	
7	Total (line 5 + 6)		<u>2,666,134</u>		<u>1,185,515</u>	
	<u>Transmission Accumulated Deferred Taxes</u>					
8	Accumulated Deferred Taxes	0	0	44.4657%	0	not applicable
9	Accumulated Deferred Taxes	0	0	44.4657%	0	not applicable
10	Total (line 8 + 9)		<u>0</u>		<u>0</u>	
11	<u>Transmission loss on Reacquired Debt</u>	0	0	44.4657%	0	not applicable
	<u>Other Regulatory Assets</u>					
12	FAS 106	0	0	44.4657%	0	not applicable
13	FAS 109	0	0	44.4657%	0	not applicable
14	Other Regulatory Liabilities (254.DK)	0	0	44.4657%	0	not applicable
15	Total (line 12 + 13 + 14)	<u>0</u>	<u>0</u>		<u>0</u>	
16	<u>Transmission Prepayments</u>	0	0	44.4657%	0	information not available
17	<u>Transmission Materials and Supplies</u>	0	0	44.4657%	0	information not available
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				25,001	Worksheet 4, Line 13
20	Administrative & General Expense				0	Worksheet 4, Line 22
21	Transmission Support Expense				0	Worksheet 1, Line 24
22	Subtotal (line 19 + 20 + 21)				<u>25,001</u>	
23					0.125	x 45 days / 360
24	Total (line 22 * line 23)				<u>3,125</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	44.4657%	107,774	25 year depreciation
2	0	100.0000% (a)	0	44.4657%	0	
3			242,376		107,774	
4	0	100.0000% (c)	0	44.4657%	0	not applicable
5	0	100.0000% (c)	0	44.4657%	0	not applicable
<u>Property Taxes *</u>						
6	139,366	100.0000%	139,366	44.4657%	61,970	See Below
7	0	100.0000% (a)	0	44.4657%	0	information not available
8			139,366		61,970	
<u>Transmission Operation and Maintenance</u>						
9	56,226		56,226	44.4657%	25,001	MTUA
10	0		0	44.4657%	0	information not available
11	0		0	44.4657%	0	information not available
12	0		0	44.4657%	0	information not available
13	56,226		56,226	44.4657%	25,001	
<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	44.4657%	0	
19	0	100.0000% (c)	0	44.4657%	0	
20	0	100.0000% (c)	0	44.4657%	0	not applicable
21	0	100.0000% (c)	0	44.4657%	0	not applicable
22	0		0		0	
<u>Payroll Tax Expense</u>						
	0	100.0000% (a)	0	44.4657%	0	information not available
	0	100.0000% (a)	0	44.4657%	0	information not available
	0	100.0000% (a)	0	44.4657%	0	information not available
	0	100.0000% (a)	0	44.4657%	0	information not available
23	0	100.0000% (a)	0	44.4657%	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 Mil 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	\$2,694,352	See Inventory Tab
2	Total Transmission Investment	\$6,059,395	See Inventory Tab
3	Percent Allocation (Line 1/Line 2)	<u>44.4657%</u>	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	\$28,935	MTUA
5	Affiliated Company Transmission Wages and Salaries	\$0	Worksheet 6
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	\$28,935	
7	Total Wages and Salaries	\$28,935	
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)	\$28,935	
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)	\$6,059,395	
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 2012

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 2012 Actual Annual RR		315,702	\$ 315,702	PTF Pre & Post on ATRR
3	True-up Surcharge / (Refund) (Line 2 - 1)	-	3,718	\$ 3,718	

	Under/(Over) Collected
Pre 1997	\$ -
Post 1996	\$ 3,718

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2012	\$ -	\$ 3,718	0.27%	\$ -	\$ 10
July 2012	\$ -	\$ 3,728	0.28%	\$ -	\$ 10
August 2012	\$ -	\$ 3,728	0.28%	\$ -	\$ 10
September 2012	\$ -	\$ 3,728	0.27%	\$ -	\$ 10
October 2012	\$ -	\$ 3,758	0.28%	\$ -	\$ 11
November 2012	\$ -	\$ 3,758	0.27%	\$ -	\$ 10
December 2012	\$ -	\$ 3,758	0.28%	\$ -	\$ 11
January 2013	\$ -	\$ 3,790	0.28%	\$ -	\$ 11
February 2013	\$ -	\$ 3,790	0.25%	\$ -	\$ 9
March 2013	\$ -	\$ 3,790	0.28%	\$ -	\$ 11
April 2013	\$ -	\$ 3,821	0.27%	\$ -	\$ 10
May 2013	\$ -	\$ 3,821	0.28%	\$ -	\$ 11
Total Surcharge/ (Refund)				\$ -	\$ 3,842

	Interest	Principal	Total
Pre 1997	\$ -	\$ -	\$ -
Post 1996	\$ 124	\$ 3,718	\$ 3,842
	\$ 124	\$ 3,718	\$ 3,842

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 13, 2013
Revenue Requirements for (year):	Year 2012
Rate Effective for the period:	June 1, 2013
Through:	May 31, 2014
Customer:	Norwich Public Utilities
Customer's NABs Number:	8
Name of Participant responsible for customer's billing:	CMEEC
DUNs number of Participant responsible for customer's billing:	09-207-8351

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I =	195,136 (a)	0 (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)	195,136 (e)=(a)-(b)+(c)+(d)	0 (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	0	- (k)
Annual True-up (per Attachment C to Attachment F Implementation F \$	26,345	0 (m)

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

221,481 (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: 221,481 (l)=(k)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Shading denotes an input

		Attachment F		
		Reference	Pre 1997	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	\$580,479	Worksheet 3, Line 1
2	General Plant	(A)(1)(b)	\$116,375	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)		\$696,854	
5	Accumulated Depreciation	(A)(1)(d)	\$536,512	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)		\$160,342	
		14,784		
10	Prepayments	(A)(1)(h)	\$3,363	Worksheet 3, Line 16
11	Materials & Supplies	(A)(1)(i)	\$6,175	Worksheet 3, Line 17
12	Cash Working Capital	(A)(1)(j)	\$14,923	Worksheet 3, Line 24
13	Total Investment Base (Line 9 + 10 + 11 + 12)		\$184,803	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	\$14,784	Worksheet 2
15	Depreciation Expense	(B)	\$36,997	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)	\$21,208	Worksheet 4, Line 8
19	Payroll Tax Expense	(F)	\$2,761	Worksheet 4, Line 23
20	Operation & Maintenance Expense	(G)	\$10,179	Worksheet 4, Line 13
21	Administrative & General Expense	(H)	\$109,207	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)		\$195,136	

Norwich Public Utilities
Annual Revenue Requirements
for costs in 2012

PTF Revenue Requirements

Worksheet 2 of 7

Shading denotes an input

	CAPITALIZATION 12/31/2012		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	32,817,522	DPUC Rpt. P. 201, line 11	100.00%	8.00%	8.00%	8.00%
TOTAL INVESTMENT RETURN	\$ 32,817,522		100.00%		8.00%	8.00%
	(PTF)					
INVESTMENT BASE	\$ 184,803	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	14,784	To Worksheet 1				

Norwich Public Utilities

PTF Revenue Requirements
Worksheet 3 of 7

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	6,170,297		6,170,297		580,479	DPUC Annual Rpt. p. 500
2	16,767,118	7.3777% (a)	1,237,028	9.4076%	116,375	DPUC Annual Rpt. p. 501
3	Total (line 1 + 2)		7,407,325		696,854	
4	<u>Transmission Plant Held for Future Use</u>		0	9.4076%	0	information not available
<u>Transmission Accumulated Depreciation</u>						
5	\$ 5,025,646		5,025,646	9.4076%	472,793	DPUC Annual Rpt. p. 508, line 31
6	\$9,180,605	7.3777% 0	677,317	9.4076%	63,719	DPUC Annual Rpt. p. 508, line 33
7	14,206,251		5,702,963		536,512	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	11.5764% (c)	0	9.4076%	0	Not applicable.
9	0	11.5764% (c)	0	9.4076%	0	Not applicable.
10	Total (line 8 + 9)		0		0	
11	<u>Transmission loss on Reacquired Debt</u>	11.5764% (c)	0	9.4076%	0	Not applicable.
<u>Other Regulatory Assets</u>						
12	FAS 106	7.3777% (a)	0	9.4076%	0	Not applicable.
13	FAS 109	11.5764% (c)	0	9.4076%	0	Not applicable.
14	Other Regulatory Liabilities (254.DK)	11.5764% (c)	0	9.4076%	0	Not applicable.
15	Total (line 12 + 13 + 14)		0		0	
16	<u>Transmission Prepayments</u>	7.3777% (a)	35,752	9.4076%	3,363	DPUC Annual Rpt, p. 210, line 14
17	<u>Transmission Materials and Supplies</u>	11.5764%	65,637	9.4076%	6,175	DPUC Report page 200 Line 25
<u>Cash Working Capital</u>						
19	Operation & Maintenance Expense				10,179	Worksheet 4, Line 13
20	Administrative & General Expense				109,207	Worksheet 4, Line 22
21	Transmission Support Expense				0	Worksheet 1, Line 24
22	Subtotal (line 19 + 20 + 21)				119,386	
23					0.125	x 45 days / 360
24	Total (line 22 * line 23)				14,923	

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	\$ 183,573		183,573	9.4076%	17,270	
2	2,842,309	7.3777% (a)	209,697	9.4076%	19,727	DPUC Annual Rpt. p. 508, line 3
3			393,270		36,997	
4	0	11.5764% (c)	0	9.4076%	0	not applicable
5	0	11.5764% (c)	0	9.4076%	0	not applicable
<u>Property Taxes *</u>						
6	1,947,378	11.5764%	225,436	9.4076%	21,208	See Below
7	0	7.3777% (a)	0	9.4076%	0	information not available
8			225,436		21,208	
<u>Transmission Operation and Maintenance</u>						
9	135,138		135,138	9.4076%	12,713	DPUC Annual Rpt. P. 518
10	0		0	9.4076%	0	Information not available.
11	0		0	9.4076%	0	DPUC Annual Rpt. P. 518, line 31
12	26,932		26,932	9.4076%	2,534	DPUC Annual Rpt. P. 518, line 32 & 37
13	108,206		135,138	9.4076%	10,179	
<u>Transmission Administrative and General</u>						
14	15,637,893					DPUC Annual Rpt. P. 520, line 18
15	169,675					DPUC Annual Rpt. P. 520, line 7
16	0					Not applicable.
17	0					Not applicable.
18	15,468,218	7.3777% (a)	1,141,199	9.4076%	107,359	
19	169,675	11.5764% (c)	19,642	9.4076%	1,848	
20	0	11.5764% (c)	0	9.4076%	0	Not applicable.
21	0	11.5764% (c)	0	9.4076%	0	Not applicable.
22	15,637,893		1,160,841		109,207	
<u>Payroll Tax Expense</u>						
	0	7.3777% (a)	0	9.4076%	0	information not available
	397,821	7.3777% (a)	29,350	9.4076%	2,761	
	0	7.3777% (a)	0	9.4076%	0	information not available
	0	7.3777% (a)	0	9.4076%	0	information not available
23	397,821	7.3777% (a)	29,350	9.4076%	2,761	

(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 12/31/2012	63,986,607	DPUC Annual Rpt. P. 501, line 18
Less Furniture & Fixtures	1,369,939	DPUC Annual Rpt. P. 501, line 4
Net Taxable Plant	62,616,668	
Applicable Mill Rate	31.10	From Town
	1,947,378	Place in cell d6 above.

Shading denotes an input

Line
No.

<u>PTF Transmission Plant Allocation Factor</u>		<u>Pre 1997</u>	<u>Reference</u>
1	PTF Transmission Investment	\$580,479	Auditor's tab
2	Total Transmission Investment	\$6,170,297	DPUC Annual Rpt. P. 500
3	Percent Allocation (Line 1/Line 2)	9.4076%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	\$169,815	0 DPUC Annual Rpt. P. 507, line 4
5	Affiliated Company Transmission Wages and Salaries	\$0	Worksheet 6
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	\$169,815	
7	Total Wages and Salaries	\$5,488,425	DPUC Annual Rpt. P. 507, line 28
8	Administrative and General Wages and Salaries	\$3,186,678	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)	\$2,301,747	
11	Percent Allocation (Line 6/Line 10)	7.3777%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	\$6,170,297	DPUC Annual Rpt. P. 500
13	plus Transmission-Related General Plant	\$1,237,028	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	\$7,407,325	
15	Total Plant in Service	\$63,986,607	DPUC Annual Rpt. P. 501
16	Percent Allocation (Line 14 / Line 15)	11.5764%	

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 2012

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)	\$ 169,642	-	\$ 169,642	ATRR - Prior Year
2	True-up 2012 Actual Annual RR	\$ 195,136	-	\$ 195,136	PTF Pre & Post on ATRR
3	True-up Surcharge / (Refund) (Line 2 - 1)	\$ 25,494	-	\$ 25,494	

Pre 1997	Undercollected / (Overcollected)
Post 1996	\$ 25,494
	\$ -

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2012	\$ 25,494	\$ -	0.27%	\$ 69	\$ -
July 2012	\$ 25,563	\$ -	0.28%	\$ 72	\$ -
August 2012	\$ 25,563	\$ -	0.28%	\$ 72	\$ -
September 2012	\$ 25,563	\$ -	0.27%	\$ 69	\$ -
October 2012	\$ 25,776	\$ -	0.28%	\$ 72	\$ -
November 2012	\$ 25,776	\$ -	0.27%	\$ 70	\$ -
December 2012	\$ 25,776	\$ -	0.28%	\$ 72	\$ -
January 2013	\$ 25,990	\$ -	0.28%	\$ 73	\$ -
February 2013	\$ 25,990	\$ -	0.25%	\$ 65	\$ -
March 2013	\$ 25,990	\$ -	0.28%	\$ 73	\$ -
April 2013	\$ 26,201	\$ -	0.27%	\$ 71	\$ -
May 2013	\$ 26,201	\$ -	0.28%	\$ 73	\$ -
Total Surcharge/ (Refund)				\$ 26,345	\$ -

	Interest	Principal	Total
Pre 1997	\$ 851	\$ 25,494	\$ 26,345
Post 1996	\$ -	\$ -	\$ -
	\$ 851	\$ 25,494	\$ 26,345

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 13, 2013</u>
Revenue Requirements based on Year Ending:	<u>June 30, 2012</u>
Rate Effective for the period:	<u>June 1, 2013</u>
Through:	<u>May 31, 2014</u>
Customer:	<u>Town of Wallingford, Electric Division</u>
Customer's NABs Number:	<u>8</u>
Name of Participant responsible for customer's billing:	<u>CMEEC</u>
DUNS number of Participant responsible for customer's billing:	<u>09-207-8351</u>

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>111,321</u> (a)	<u>674,635</u> (h)
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (i)
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u>0</u> (j)
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (k)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>111,321</u> (e)=(a)-(b)+(c)+(d)	<u>674,635</u> (l)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>0</u> (f)	<u>-</u> (m)
Annual True-up (per Attachment C to Attachment F Implementation \$	<u>14,984</u> (g)	<u>\$ 86,639</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>887,579</u> (o)=(e)+(j)+(f)+(g)+(m)+(n)
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>887,579</u></u> (p)=(o)+(b)+(g)-(h)

Shading denotes an input

		Attachment F				
		Reference	Pre 1997	Post 1996	Total	Reference
Line No.	I. INVESTMENT BASE	Section:				
1	PTF Transmission Plant	(A)(1)(a)	\$890,389	\$5,391,790	\$6,282,179	Worksheet 3, Line 1
2	General Plant	(A)(1)(b)	\$9,960	\$60,315	\$98,271	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)		\$900,349	\$5,452,105	\$6,380,450	
5	Accumulated Depreciation	(A)(1)(d)	\$431,941	\$2,615,638	\$4,261,621	Worksheet 3, Line 7
6	Accumulated Deferred Income Taxes	(A)(1)(e)	\$0	\$0	\$0	Worksheet 3, Line 10
7	Loss On Reacquired Debt	(A)(1)(f)	\$0	\$0	\$0	Worksheet 3, Line 11
8	Other Regulatory Assets	(A)(1)(g)	\$0	\$0	\$0	Worksheet 3, Line 15
9	Net Investment (Line 4 - 5 - 6 + 7 + 8)		\$468,408	\$2,836,467	\$2,118,829	
10	Prepayments	(A)(1)(h)	\$81	\$488	\$488	Worksheet 3, Line 16
11	Materials & Supplies	(A)(1)(i)	\$6,552	\$39,677	\$39,677	Worksheet 3, Line 17
12	Cash Working Capital	(A)(1)(j)	\$0	\$6,479	\$6,479	Worksheet 3, Line 24
13	Total Investment Base (Line 9 + 10 + 11 + 12)		\$475,041	\$2,883,111	\$2,165,473	
II. REVENUE REQUIREMENTS						
14	Investment Return and Income Taxes	(A)	\$38,003	\$230,649	\$268,652	Worksheet 2
15	Depreciation Expense	(B)	\$38,988	\$236,097	\$275,085	Worksheet 4, Line 3
16	Amortization of Loss on Reacquired Debt	(C)	\$0	\$0	\$0	Worksheet 4, Line 4
17	Investment Tax Credit	(D)	\$0	\$0	\$0	Worksheet 4, Line 5
18	Property Tax Expense	(E)	\$25,771	\$156,059	\$181,830	Worksheet 4, Line 8
19	Payroll Tax Expense	(F)	\$0	\$0	\$0	Worksheet 4, Line 23
20	Operation & Maintenance Expense	(G)	\$4,620	\$27,977	\$32,597	Worksheet 4, Line 13
21	Administrative & General Expense	(H)	\$3,939	\$23,853	\$27,792	Worksheet 4, Line 22
22	Transmission Related Integrated Facilities Charge	(I)	\$0	\$0	\$0	Worksheet 7
23	Transmission Support Revenue	(J)	\$0	\$0	\$0	Worksheet 7
24	Transmission Support Expense	(K)	\$0	\$0	\$0	Worksheet 7
25	Transmission Related Expense from Generators	(L)	\$0	\$0	\$0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	\$0	\$0	\$0	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	\$0	\$0	\$0	
28	Transmission Rents Received from Electric Property	(O)	\$0	\$0	\$0	
29	Total Revenue Requirements (Line 14 thru 28)		\$111,321	\$674,635	\$785,956	

Town of Wallingford, Electric Division

Shading denotes an input

Pre 1997

	CAPITALIZATION		CAPITALIZATION	COST OF	COST OF	EQUITY
	12/31/2012		RATIOS	CAPITAL	CAPITAL	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	58,773,560	DPUC Rpt. P. 201, line 10	100.00%	8.00%	8.00%	8.00%
TOTAL INVESTMENT RETURN	\$ 58,773,560		100.00%		8.00%	8.00%

	(PTF)	
INVESTMENT BASE	\$ 475,041	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	38,003	To Worksheet 1

Town of Wallingford, Electric Division

Shading denotes an input

Post 1996

	CAPITALIZATION		CAPITALIZATION	COST OF	COST OF	EQUITY
	12/31/2012		RATIOS	CAPITAL	CAPITAL	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	58,773,560	DPUC Rpt. P. 201, line 10	100.00%	8.00%	8.00%	8.00%
TOTAL INVESTMENT RETURN	\$ 58,773,560		100.00%		8.00%	8.00%

	(PTF)	
INVESTMENT BASE	\$ 2,883,111	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	230,649	To Worksheet 1

Town of Wallingford, Electric Division

PTF Revenue Requirements
Worksheet 3 of 7

Shading denotes an input				Pre - 97 PTF		Post - 96 PTF		Reference
Line No.	(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	(6) PTF Allocation Factor (b)	(7) = (3)*(6) PTF Allocated	
1	<u>Transmission Plant</u>							
2	Transmission Plant		8,784,765	10.1356%	890,389	61.3766%	5,391,790	DPUC Annual Rpt. p. 500
3	General Plant	1.0126% (a)	98,271	10.1356%	9,960	61.3766%	60,315	DPUC Annual Rpt. p. 501
3	Total (line 1 + 2)		<u>8,883,036</u>		<u>900,349</u>		<u>5,452,105</u>	
4	<u>Transmission Plant Held for Future Use</u>		0	10.1356%	0	61.3766%	0	
5	<u>Transmission Accumulated Depreciation</u>							
5	Transmission Accum. Depreciation		4,158,929	10.1356%	421,532	61.3766%	2,552,609	Depreciation tab
6	General Plant Accum. Depreciation	1.0126% (a)	102,692	10.1356%	10,408	61.3766%	63,029	Depreciation tab
7	Total (line 5 + 6)		<u>4,261,621</u>		<u>431,941</u>		<u>2,615,638</u>	
8	<u>Transmission Accumulated Deferred Taxes</u>							
8	Accumulated Deferred Taxes	8.6980% (c)	0	10.1356%	0	61.3766%	0	not applicable
9	Accumulated Deferred Taxes	8.6980% (c)	0	10.1356%	0	61.3766%	0	not applicable
10	Total (line 8 + 9)		<u>0</u>		<u>0</u>		<u>0</u>	
11	<u>Transmission loss on Reacquired Debt</u>		0	10.1356%	0	61.3766%	0	not applicable
12	<u>Other Regulatory Assets</u>							
12	FAS 106	1.0126% (a)	0	10.1356%	0	61.3766%	0	not applicable
13	FAS 109	8.6980% (c)	0	10.1356%	0	61.3766%	0	not applicable
14	Other Regulatory Liabilities (254.DK)	8.6980% (c)	0	10.1356%	0	61.3766%	0	not applicable
15	Total (line 12 + 13 + 14)		<u>0</u>		<u>0</u>		<u>0</u>	
16	<u>Transmission Prepayments</u>		795	10.1356%	81	61.3766%	488	DPUC Annual Rpt p 210 L14
17	<u>Transmission Materials and Supplies</u>		64,645	10.1356%	6,552	61.3766%	39,677	DPUC Report page 200 Line 25
18	<u>Cash Working Capital</u>							
19	Operation & Maintenance Expense						27,977	Worksheet 4, Line 13
20	Administrative & General Expense						23,853	Worksheet 4, Line 22
21	Transmission Support Expense						0	Worksheet 1, Line 24
22	Subtotal (line 19 + 20 + 21)						<u>51,830</u>	
23							<u>0.125</u>	x 45 days / 360
24	Total (line 22 * line 23)						<u>6,479</u>	

Town of Wallingford, Electric Division

PTF Revenue Requirements
Worksheet 4 of 7

Shading denotes an input					Pre - 97 PTF		Post - 96 PTF		
Line No.		(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4) PTF Allocation Factor (b)	(5) = (3)*(4) PTF Allocated	(6) PTF Allocation Factor (b)	(7) = (3)*(6) PTF Allocated	Reference
	<u>Depreciation Expense</u>								
1	Transmission Depreciation	351,391		351,391	10.1356%	35,616	61.3766%	215,672	25 Year Depreciation
2	General Depreciation	3,286,349	1.0126% (a)	33,278	10.1356%	3,373	61.3766%	20,425	DPUC annual Rpt p. 508 L3
3	Total (line 1+2)			384,669		38,988		236,097	
4	<u>Amortization of Loss on Reacquired Debt</u>	0	8.6980% (c)	0	10.1356%	0	61.3766%	0	not applicable
5	<u>Amortization of Investment Tax Credits</u>	0	8.6980% (c)	0	10.1356%	0	61.3766%	0	not applicable
	<u>Property Taxes *</u>								
6	Transmission Property Taxes	228,228		228,228	10.1356%	23,132	61.3766%	140,079	See Below
7	General Property Taxes	2,571,220	1.0126% (a)	26,036	10.1356%	2,639	61.3766%	15,980	information not available
8	Total (line 6+7)			254,264		25,771		156,059	
	<u>Transmission Operation and Maintenance</u>								
9	Operation and Maintenance	45,583		45,583	10.1356%	4,620	61.3766%	27,977	DPUC Annual Rpt. p. 518, line 46
10	Transmission of Electricity by Others - #565	0		0	10.1356%	0	61.3766%	0	information not available
11	Load Dispatching - #561	0		0	10.1356%	0	61.3766%	0	information not available
12	**Station Expenses & Rents - #562 / #567	0		0	10.1356%	0	61.3766%	0	information not available
13	O&M less lines 10, 11 & 12	45,583		45,583	10.1356%	4,620	61.3766%	27,977	
	<u>Transmission Administrative and General</u>								
14	Administrative and General	3,529,254							DPUC Annual Rpt. p. 520, line 18
15	less Property Insurance (#924)	40,689							DPUC Annual Rpt. p. 520, line 7
16	less Regulatory Commission Expenses (#928)	0							DPUC Annual Rpt. p. 520, line 8
17	less General Advertising Expense (#930.1)	0							not applicable
18	Subtotal [line 14 minus (15 thru 17)]	3,488,565	1.0126% (a)	35,325	10.1356%	3,580	61.3766%	21,681	
19	PLUS Property Insurance alloc. using Plant Allocator	40,689	8.6980% (c)	3,539	10.1356%	359	61.3766%	2,172	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	-	8.6980% (c)	0	10.1356%	0	61.3766%	0	not applicable
21	PLUS Trans. Related General Advertising Expense	-	8.6980% (c)	0	10.1356%	0	61.3766%	0	not applicable
22	Total A&G [line 18 plus (19 thru 21)]	3,529,254		38,864		3,939		23,853	
	<u>Payroll Tax Expense</u>								
	Federal Unemployment	0	1.0126% (a)	0	10.1356%	0	61.3766%	0	information not available
	FICA	0	1.0126% (a)	0	10.1356%	0	61.3766%	0	information not available
	Medicare	0	1.0126% (a)	0	10.1356%	0	61.3766%	0	information not available
	CT Unemployment	0	1.0126% (a)	0	10.1356%	0	61.3766%	0	information not available
23		0	1.0126% (a)	0	10.1356%	0	61.3766%	0	

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

(b) Worksheet 5 of 8, line 3, PTF Transmission Plant allocator

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

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

Electric Plant in Service	102,127,178	Worksheet 3 L11
Less Furniture & Fixtures	3,157,956	DPUC Report Page 502 Line4
Net Taxable Plant	98,969,222	
Applicable Mill Rate	25.98	
	2,571,220	To cell d6 above

Shading denotes an input

Line
No.

PTF Transmission Plant Allocation Factor

	<u>Pre 1997</u>	<u>Post 1996</u>	<u>Total</u>	<u>Reference</u>
1 PTF Transmission Investment	\$890,390	\$5,391,787	\$6,282,177	Auditor's tabs
2 Total Transmission Investment	\$8,784,765	\$8,784,765	\$8,784,765	DPUC Page 500
3 Percent Allocation (Line 1/Line 2)	10.1356%	61.3766%	71.5122%	

Transmission Wages and Salaries Allocation Factor

4 Direct Transmission Wages and Salaries	\$44,923	DPUC Annual Rpt. P. 507, line 22
5 Affiliated Company Transmission Wages and Salaries	\$0	Worksheet 6
6 Total Transmission Wages and Salaries (Line 4 + Line 5)	\$44,923	
7 Total Wages and Salaries	\$5,093,723	DPUC Annual Rpt. P. 507, line 46
8 Administrative and General Wages and Salaries	\$657,453	DPUC Annual Rpt. P. 507, line 27
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)	\$4,436,270	
11 Percent Allocation (Line 6/Line 10)	1.0126%	

Plant Allocation Factor

12 Total Transmission Investment	\$8,784,765	Line 2 above
13 plus Transmission-Related General Plant	\$98,271	Worksheet 3, Line 2
14 = Revised Numerator (Line 12 + Line 13)	\$8,883,036	
15 Total Electric Plant in Service	\$102,127,178	DPUC Annual Rpt. P. 501
16 Percent Allocation (Line 14 / Line 15)	8.6980%	

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		
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

Town of Wallingford, Electric Division

PTF Revenue Requirements
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)		
	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)

Town of Wallingford, Electric Division
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2012

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)	96,820	590,788	\$ 687,608	ATRR - Prior Year
2	True-up 2012 Actual Annual RR	111,321	674,635	\$ 785,956	PTF Pre & Post on ATRR
3	True-up Surcharge / (Refund) (Line 2 - 1)	14,501	83,847	\$ 98,348	

	Under/(Over) Collected
Pre 1997	\$ 14,501
Post 1996	\$ 83,847

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2012	\$ 14,501	\$ 83,847	0.27%	\$ 39	\$ 226
July 2012	\$ 14,540	\$ 84,073	0.28%	\$ 41	\$ 235
August 2012	\$ 14,540	\$ 84,073	0.28%	\$ 41	\$ 235
September 2012	\$ 14,540	\$ 84,073	0.27%	\$ 39	\$ 227
October 2012	\$ 14,661	\$ 84,770	0.28%	\$ 41	\$ 237
November 2012	\$ 14,661	\$ 84,770	0.27%	\$ 40	\$ 229
December 2012	\$ 14,661	\$ 84,770	0.28%	\$ 41	\$ 237
January 2013	\$ 14,783	\$ 85,473	0.28%	\$ 41	\$ 239
February 2013	\$ 14,783	\$ 85,473	0.25%	\$ 37	\$ 214
March 2013	\$ 14,783	\$ 85,473	0.28%	\$ 41	\$ 239
April 2013	\$ 14,902	\$ 86,165	0.27%	\$ 40	\$ 233
May 2013	\$ 14,902	\$ 86,165	0.28%	\$ 42	\$ 241
Total Surcharge/ (Refund)				\$ 14,984	\$ 86,639

	Interest	Principal	Total
Pre 1997	\$ 483	\$ 14,501	\$ 14,984
Post 1996	\$ 2,792	\$ 83,847	\$ 86,639
	\$ 3,275	\$ 98,348	\$ 101,623

CTMEEC
Revenue Required and Support Payment Summary
For Rate Year June 2013 - May 2014
Submitted May 13, 2013

Support Payments / Revenue Requirements	Pre-97	Post-96	Total
Connecticut Transmission Municipal Electric Enery Cooperative (dba Transco)	\$ -	\$ 8,008,661	\$ 8,008,661
City of Norwalk, Third Taxing District	-	236,094	236,094
Total Support Payments and Revenue Requirements	\$ -	\$ 8,244,755	\$ 8,244,755

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 13, 2013
Revenue Requirements for (year):	2012
Rate Effective for the period:	June 1, 2013
Through:	May 31, 2014
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)	8,052,795 (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)	8,052,795 (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)		(44,134) (m)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements
and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 8,008,661 (l) = (j)+(k)+(m)

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: 8,008,661 (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	<i>Section:</i>				
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)		6,014,405	6,014,405	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	45,325,350	45,325,350	
10	Prepayments	(A)(1)(h)	482,789	0	482,789	Worksheet 3, Line 15
11	Materials & Supplies	(A)(1)(i)	0	0	0	Worksheet 3, Line 16
12	Cash Working Capital	(A)(1)(j)	222,456	0	222,456	Worksheet 3, Line 22
13	Total Investment Base (Line 9+10+11+12)		705,244	45,325,350	46,030,594	
	II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	(A)	3,954,028	276,485	4,230,513	Worksheet 2(a) + (b), IRIT
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)			734,489	Worksheet 4, Line 8
19	Payroll Tax Expense	(F)			0	Worksheet 4, Line 23
20	Operation & Maintenance Expense	(G)			1,386,543	Worksheet 4, Line 13
21	Administrative & General Expense	(H)			393,101	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)				8,052,795	

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PTF Revenue Requirements
Worksheet 2(a) of 7

Shading denotes an input

POST 1996

	CAPITALIZATION 06/01/2011	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.

	(PTF)	
INVESTMENT BASE	\$ 46,030,594	From Worksheet 1, Line 13
x Cost of Capital Rate	8.59%	
= Investment Return and Income Taxes	3,954,028	To Worksheet 1, Line 14

CTMEEC

PTF Revenue Requirements
Worksheet 2(b) of 7

Shading denotes an input

POST 2003

	CAPITALIZATION 06/01/2011	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	\$ 45,325,350	From Worksheet 1, Line 13
x Cost of Capital Rate	0.0061	
= Investment Return and Income Taxes	276,485	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%	<u>0</u>	None
<u>Transmission Accumulated Depreciation</u>						
5	6,202,272		6,202,272	96.9710%	6,014,405	2012 YE GL
6	0	100.0000% (a)	0	96.9710%	0	
7			<u>6,202,272</u>		<u>6,014,405</u>	
	46,741,139					
<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%	<u>0</u>	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	497,869	100.0000% (a)	497,869	96.9710%	<u>482,789</u>	2012 YE GL
17	0	100.0000%	0	96.9710%	<u>0</u>	
18	<u>Cash Working Capital</u>					
19					1,386,543	Worksheet 1, Line 20
20					393,101	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					<u>1,779,644</u>	
23					<u>0.125</u>	x 45 / 360
24					<u>222,456</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
<u>Depreciation Expense</u>						
1	1,349,011		1,349,011	96.9710%	1,308,149	2012 YE GL
2	0	100.0000% (a)	0	96.9710%	0	none
3			1,349,011		1,308,149	
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	757,432	100.0000%	757,432	96.9710%	734,489	2012 YE GL
7	0	100.0000% (a)	0	96.9710%	0	
8			757,432		734,489	
<u>Transmission Operation and Maintenance</u>						
9	1,435,206		1,435,206	96.9710%	1,391,734	2012 YE GL
10	0		0	96.9710%	0	2012 YE GL
11	5,353		5,353	96.9710%	5,191	2012 YE GL
12	0		0	96.9710%	0	None
13	1,429,853		1,429,853	96.9710%	1,386,543	
<u>Transmission Administrative and General</u>						
14	405,380					
15	0					
16	0					
17	0					
18	405,380	100.0000% (c)	405,380	96.9710%	393,101	
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	405,380		405,380		393,101	
23	0	100.0000% (a)	0	96.9710%	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						
Federal Unemployment	0					
FICA	0					
Medicare	0					
CT Unemployment	0					
MA Unemployment	0					
MA Universal Health	0					
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.

<u>PTF Transmission Plant Allocation Factor</u>		<u>Post 96</u>	<u>Reference</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)	96.9710%	
<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)	100.0000%	
<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)	52,943,411	
15	Total Plant in Service	52,943,411	
16	Percent Allocation (Line 14 / Line 15)	100.0000%	

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 2012

Line	Annual True-up	Pre 1997	Post 1996	Total	
1	Transmission Revenue Requirements (as billed)	0	8,095,504	\$ 8,095,504	ATRR - Prior Year
2	True-up 2012 Actual Annual Revenue Req.	0	8,052,795	\$ 8,052,795	
3	True-up Surcharge / (Refund) (Line 2 - 1)	\$0	(\$42,709)	(\$42,709)	

	Undercollected/(Overcollected)
Pre 1997	\$0.00
Post 1996	(\$42,709)

Initial Billing Period	Balance		FERC Monthly Interest Rate	Interest	
	Pre 1997	Post 1996		Pre 1997	Post 1996
June 2011	\$0	(\$42,709)	0.27%	\$0	(\$115)
July 2011	\$0	(\$42,824)	0.28%	\$0	(\$120)
August 2011	\$0	(\$42,824)	0.28%	\$0	(\$120)
September 2011	\$0	(\$42,824)	0.27%	\$0	(\$116)
October 2011	\$0	(\$43,180)	0.28%	\$0	(\$121)
November 2011	\$0	(\$43,180)	0.27%	\$0	(\$117)
December 2011	\$0	(\$43,180)	0.28%	\$0	(\$121)
January 2012	\$0	(\$43,539)	0.28%	\$0	(\$122)
February 2012	\$0	(\$43,539)	0.25%	\$0	(\$109)
March 2012	\$0	(\$43,539)	0.28%	\$0	(\$122)
April 2012	\$0	(\$43,892)	0.27%	\$0	(\$119)
May 2012	\$0	(\$43,892)	0.28%	\$0	(\$123)
Total Undercollected/(Overcollected)				\$0	(\$44,134)

	Interest	Principal	Total
Pre 1997	\$0	\$0	\$0
Post 1996	(\$1,425)	(\$42,709)	(\$44,134)
	(\$1,425)	(\$42,709)	(\$44,134)

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 13, 2013</u>
Revenue Requirements based on Year Ending:	<u>June 30, 2012</u>
Rate Effective for the period:	<u>June 1, 2013</u>
Through:	<u>May 31, 2014</u>
Customer:	<u>East Norwalk, Third Taxing District</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>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>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>0</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>0</u>	<u>236,094</u> (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>0</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:		<u>236,094</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><u>236,094</u></u> (l)=(o)+(b)+(g)-(h)

CTMEEC
East Norwalk, Third Taxing District
For costs In 2013
FORECAST

Shading denotes an input

I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS Period POST-1996 Reference

Line No,

1	Forecasted Transmission Plant Additions	2013	2,604,009	
2	Carrying Charge Factor		9.07%	
3	Total Forecasted Revenue Requirements (Lines 1*2)		236,094	

I. CARRYING CHARGE FACTOR

4	Investment Return and Income Taxes		208,321	Worksheet 1, L14
5	Depreciation Expense		0	Worksheet 4, L12
6	Amortization of Loss on Reacquired Debt		0	Worksheet 4, L14
7	Investment Tax Credit		0	Worksheet 4, L16
8	Property Tax Expense		27,773	Worksheet 4, L21
9	Payroll Tax Expense		0	Worksheet 4, L42
10	Operation & Maintenance Expense		0	Worksheet 4, L29
11	Administrative & General Expense		0	Worksheet 4, L40
12	Total Expenses (Lines 4 thru 11)		236,094	
13	PTF Transmission Plant		2,604,009	Worksheet 1, L1
14	Carrying Charge Factor (Lines 12/13)		9.07%	

Forecast Items Detail

Fitch Street substation

Sheet: Input Panel

EFFECTIVE JUNE 1, 2013
 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-13

Revenue Requirements for (year): Calendar Year 2012

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>\$218,094</u> (a)	<u>\$139,585</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>\$41,481</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>\$259,575</u> (e)=(a)-(b)+(c)+(d)	<u>\$139,585</u> (j)=(f)-(g)+(h)+(i)
Forecasted Transmission Revenue Requirements (per Appendix C to Attachment F Implementation Rule)	<u>N/A</u>	<u>\$503,187</u> (m) Worksheet 1a
Annual True-up (per Appendix C to Attachment F Implementation Rule)	<u>\$12,739</u> (k)	<u>(\$469,430)</u> (n) Worksheet 1c
Interest Charge on Annual True-up	<u>\$425</u> (l)	<u>(\$15,643)</u> (o) Worksheet 1c
Total	<u>\$272,738</u> (p)=(e)+(k)+(l)	<u>\$157,699</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>\$430,437</u> (r)=(p)+(q)	

Fitchburg Gas and Electric Light Company
Annual Revenue Requirements of PTF Facilities
for costs in 2012
PRE-1997

PTF Revenue Requirements

Worksheet 1 of 8

Shading denotes an input

		Attachment F			
		Reference	FG&E	Total	Reference
Line No.	I. INVESTMENT BASE	Section:			
1	Transmission Plant	(A)(1)(a)	1,230,492	1,230,492	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	74,217	74,217	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)		1,304,709	1,304,709	
5	Accumulated Depreciation	(A)(1)(d)	659,145	659,145	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	244,302	244,302	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)	36,907	36,907	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		438,169	438,169	
10	Prepayments	(A)(1)(h)	59,623	59,623	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	14,582	14,582	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	16,441	16,441	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		528,815	528,815	
II.	REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	66,951	66,951	Worksheet 2
15	Depreciation Expense	(B)	44,946	44,946	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)	14,481	14,481	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	1,665	1,665	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	15,573	15,573	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	74,478	74,478	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)	41,481	41,481	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)		259,575	259,575	

Fitchburg Gas and Electric Light Company
Annual Revenue Requirements
for costs in 2012
PRE-1997

Shading denotes an input

	CAPITALIZATION 12/31/12*	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 70,000,000	52.22%	6.99%	3.65%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	64,046,174	47.78%	11.64%	5.56%	5.56%
TOTAL INVESTMENT RETURN	\$ 134,046,174	100.00%		9.21%	5.56%

*See Workpaper 2

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0921

$$\begin{aligned}
 \text{(b) Federal Income Tax} &= \left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}} \\
 &= \left(\frac{0.0556 + \left(\frac{0 + 5}{528,815} \right)}{1} \right) \times \frac{0.34}{0.34} \\
 &= \underline{0.0286473}
 \end{aligned}$$

$$\begin{aligned}
 \text{(c) State Income Tax} &= \left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate} \\
 &= \left(\frac{0.0556 + \left(\frac{0 + 5}{528,815} \right)}{1} \right) + \frac{0.0286473}{0.065} \times 0.065 \\
 &= \underline{0.0058574}
 \end{aligned}$$

(a)+(b)+(c) **Cost of Capital Rate** = 0.1266047

	(PTF)	
INVESTMENT BASE	\$ 528,815	From Worksheet 1
x Cost of Capital Rate	0.1266047	
= Investment Return and Income Taxes	<u>66,951</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		1,230,492	Line 1, Worksheet 5 Page 207.99g + (Page 201.3h + 201.6h - Total A/C 303 - Total A/C 310)*49.47% (d) See Workpaper 8
2	General Plant	10.7700% (a)	567,500	13.0778%	74,217	
3	Total (line 1+2)		<u>567,500</u>		<u>1,304,709</u>	
4	<u>Transmission Plant Held for Future Use</u>		0	13.0778%	<u>0</u>	Page 214
5	<u>Transmission Accumulated Depreciation</u> Transmission Accum. Depreciation		4,835,534	13.0778%	632,382	Page 219.25b + COR, See Workpaper 9 (1) Page 219.28c (includes common allocated to electric) (2)
6	General Plant Accum. Depreciation	10.7700% (a)	204,642	13.0778%	26,763	
7	Total (line 5+6)		<u>5,040,176</u>		<u>659,145</u>	
8	<u>Transmission Accumulated Deferred Taxes</u> Accumulated Deferred Taxes (281-283)	8.2626% (c)	(1,879,542)	13.0778%	(245,803)	Page 273.8k + 275.2k + 277.3k, See Workpaper 3
9	Accumulated Deferred Taxes (190)	8.2626% (c)	11,481	13.0778%	1,501	Page 234.8c
10	Total (line 8+9)		<u>(1,868,061)</u>		<u>(244,302)</u>	
11	<u>Transmission loss on Reacquired Debt</u>	8.2626% (c)	0	13.0778%	<u>0</u>	Page 111.81c
12	<u>Other Regulatory Assets</u> FAS 106	10.7700% (a)	75,850	13.0778%	9,920	Page 232.16f.
13	FAS 109	8.2626% (c)	206,357	13.0778%	26,987	Page 232.1f - 278.1e
14	Other Regulatory Liabilities (254.DK)	8.2626% (c)	0	13.0778%	0	
15	Total (line 12+13+14)		<u>282,207</u>		<u>36,907</u>	
16	<u>Transmission Prepayments</u>	10.7700% (a)	455,913	13.0778%	<u>59,623</u>	Page 111.57c *p.200.8.c/p.200.8.b
17	<u>Transmission Materials and Supplies</u>		111,501	13.0778%	<u>14,582</u>	Page 227.8c
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				15,573	Worksheet 1, Line 20
20	Administrative & General Expense				74,478	Worksheet 1, Line 21
21	Transmission Support Expense				41,481	Worksheet 1, Line 24
22	Subtotal (line 19+20+21)				<u>131,532</u>	
23					<u>0.125</u>	x 45 / 360
24	Total (line 22 * line 23)				<u>16,441</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) 49.47% 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	324,023		324,023	13.0778%	42,375	Page 336.7b
2	182,547	10.7700% (a)	19,660	13.0778%	2,571	Page 336.10b (includes common allocated to electric)
3			343,683		44,946	
4	0	8.2626% (c)	0	13.0778%	0	Page 117.64c
5	0	8.2626% (c)	0	13.0778%	0	Page 266.8f
<u>Property Taxes</u>						
6	1,340,173	8.2626% (c)	110,733	13.0778%	14,481	Page 263i, lines 9, 10, 11 & 16
7	0	10.7700% (a)	0	13.0778%	0	Page 262-263
8			110,733		14,481	
<u>Transmission Operation and Maintenance</u>						
9	6,352,542		6,352,542	0.130778	830,773	Page 321.112b
10	6,101,516		6,101,516	0.130778	797,944	Page 321.96b
11	131,950		131,950	0.130778	17,256	Page 321.84b-.88b
12	0		0	0.130778	0	Page 321.93b & .98b
13	119,076		119,076	13.0778%	15,573	
<u>Transmission Administrative and General</u>						
14	5,466,712					Page 323.197b
15	38,579					Page 323.185b
16	238,568					Page 323.189b
17	0					Page 323.191b
18	5,189,565	10.7700% (a)	558,916	13.0778%	73,094	
19	38,579	8.2626% (c)	3,188	13.0778%	417	
20	7,391		7,391	13.0778%	967	Page 351.6h
21	0	8.2626% (c)	0	13.0778%	0	
22	5,235,535		569,495		74,478	
23	118,208	10.7700% (a)	12,731	13.0778%	1,665	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						
	1,566					Page 263.4i
	190,205					Page 263.2i
	0					
	13,084					Page 263.6i
	0					Page 263.8i
	(86,647)					Page 263.15i
Total	118,208	To Line 23				

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

PRE-1997

Sheet: Worksheet 5

Shading denotes an input

Line No.			FERC Form 1 Reference
	<u>PTF Transmission Plant Allocation Factor</u>	<u>FG&E</u>	
1	PTF Transmission Investment	1,230,492	See Workpaper 1
2	Total Transmission Investment	9,409,020	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	13.0778%	
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	87,257	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)	87,257	
7	Total Wages and Salaries	843,305	Page 354.28b + Line 5
8	Administrative and General Wages and Salaries	33,118	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)	810,187	
11	Percent Allocation (Line 6/Line 10)	10.7700%	
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	9,409,020	Page 207.58g
13	plus Transmission-Related General Plan (Line 2 of Wkst. 3)	567,500	Worksheet 3, Line 2, col.(3)
14	= Revised Numerator (Line 12 + Line 13)	9,976,520	
15	Total Plant in Service	120,742,550	Page 207.104g + Total Common Plant Allocated to Electric, See Workpaper 8
16	Percent Allocation (Line 14 / Line 15)	8.2626%	

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			
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	2,080	0	2,080
	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	11,591	0	11,591
	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	27,810	0	27,810
	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	41,481	0	41,481

Amount by which Support Expense exceeds Support Rev 41,481
(To Worksheet 3, Line 21, Column 5)

Summary of Fitchburg Gas and Electric Light Company System
Monthly Coincident Peaks for 2012
(Megawatts)
PRE-1997

Shading denotes an input

	JAN '12	FEB '12	MAR '12	APR '12	MAY '12	JUN '12	JUL '12	AUG '12	SEP '12	OCT '12	NOV '12	DEC '12
Day	4	13	1	2	30	21	17	9	5	24	28	17
Hour	18:00	19:00	18:00	20:00	20:00	16:00	17:00	13:00	19:00	18:00	17:00	17:00
FG&E	75	69	69	61	64	87	89	81	71	64	71	74

Fitchburg Gas and Electric Light Company
Annual Revenue Requirements of PTF Facilities
for costs in 2012
POST-1996

PTF Revenue Requirements

Worksheet 1 of 8

Shading denotes an input

		Attachment F				
		Reference	Post-1996	Post-2003	Total	Reference
Line No.	I. INVESTMENT BASE	Section:				
1	Transmission Plant	(A)(1)(a)	789,924	669,232		Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	47,644	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)		837,568	669,232		
5	Accumulated Depreciation	(A)(1)(d)	423,143	358,493 (1)		Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	156,831	121,382 (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)	23,692	n/a		Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		281,286	189,357		
10	Prepayments	(A)(1)(h)	38,276	n/a		Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	9,361	n/a		Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	7,226	n/a		Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		336,149	189,357		
II.	REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	(A)	42,558	0 (3)	42,558	Worksheet 2, Worksheet 2a
15	Depreciation Expense	(B)	28,854		28,854	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)	9,296		9,296	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	1,069		1,069	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	9,996		9,996	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	47,812		47,812	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)		139,585	0	139,585	

(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

Attachment F

I. <u>FORECASTED TRANSMISSION REVENUE REQUIREMENTS</u>		<u>Period</u>	Reference	FG&E	<u>Reference</u>
Line No.			Section:		
1	Forecasted Transmission Plant Additions	2013	Appendix C	\$2,847,577	Worksheet 1, Page 7
2	Carrying Charge Factor		Appendix C	17.67%	
3	Total Forecasted Revenue Requirements (Lines 1*2)			\$503,187	
II. <u>CARRYING CHARGE FACTOR</u>					
4	Investment Return and Income Taxes		(A)	\$42,558	Worksheet 1, line 14
5	Depreciation Expense		(B)	\$28,854	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)	\$9,296	Worksheet 1, line 18
9	Payroll Tax Expense		(F)	\$1,069	Worksheet 1, line 19
10	Operation & Maintenance Expense		(G)	\$9,996	Worksheet 1, line 20
11	Administrative & General Expense		(H)	\$47,812	Worksheet 1, line 21
12	Total Expenses (Lines 4 thru 11)			\$139,585	
13	PTF Transmission Plant		(A)(1)(a)	\$789,924	Worksheet 5, Line 1, Pre-2004 plus Post-2003
14	Carrying Charge Factor (Lines 12/13)			17.67%	

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

PTF Revenue Requirements
Worksheet 1b

**2012 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)	6/12 - 5/13	\$ 246,836	\$ 609,015			ATRR - Prior Year Voting Share (e), (j)
2	True-up 2012 Actual Annual RR		\$ 259,575	\$ 139,585			
3	Over/(Under) (Line 1 - Line 2)		\$ (12,739)	\$ 469,430			
4	Over/(Under) June 1, 2012 - May 31, 2013		\$ (12,739)	\$ 469,430			

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

PRE97	\$	Under / (Over)	12,739						
Post 1996	\$		(469,430)						
<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 2012	\$	12,739	\$	(469,430)		0.27%	\$	34	\$ (1,267)
July 2012	\$	12,773	\$	(470,697)		0.28%	\$	36	\$ (1,318)
August 2012	\$	12,773	\$	(470,697)		0.28%	\$	36	\$ (1,318)
September 2012	\$	12,773	\$	(470,697)		0.27%	\$	34	\$ (1,271)
October 2012	\$	12,879	\$	(474,604)		0.28%	\$	36	\$ (1,329)
November 2012	\$	12,879	\$	(474,604)		0.27%	\$	35	\$ (1,281)
December 2012	\$	12,879	\$	(474,604)		0.28%	\$	36	\$ (1,329)
January 2013	\$	12,986	\$	(478,543)		0.28%	\$	36	\$ (1,340)
February 2013	\$	12,986	\$	(478,543)		0.25%	\$	32	\$ (1,196)
March 2013	\$	12,986	\$	(478,543)		0.28%	\$	36	\$ (1,340)
Apr-2013	\$	13,091	\$	(482,420)		0.27%	\$	35	\$ (1,303)
May-2013	\$	13,091	\$	(482,420)		0.28%	\$	37	\$ (1,351)
Total Interest							\$	425	\$ (15,643)
True-Up							\$	12,739	\$ (469,430)
Total True-Up & Interest							\$	13,163	\$ (485,073)

Fitchburg Gas and Electric Light Company
Annual Revenue Requirements
for costs in 2012
POST-1996

Shading denotes an input

	CAPITALIZATION 12/31/12*	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 70,000,000	52.22%	6.99%	3.65%	
PREFERRED STOCK	\$ 0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	\$ 64,046,174	47.78%	11.64%	5.56%	5.56%
TOTAL INVESTMENT RETURN	\$ 134,046,174	100.00%		9.21%	5.56%

*See Workpaper 2

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0921

$$\begin{aligned}
 \text{(b) Federal Income Tax} &= \left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}} \\
 &= \left(\frac{0.0556 + \left(\frac{0 + 3}{336,149} \right)}{1} \right) \times \frac{0.34}{0.34} \\
 &= \underline{0.0286473}
 \end{aligned}$$

$$\begin{aligned}
 \text{(c) State Income Tax} &= \left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate} \\
 &= \left(\frac{0.0556 + \left(\frac{0 + 3}{336,149} \right)}{1} \right) + \frac{0.0286473}{0.065} \times 0.065 \\
 &= \underline{0.0058574}
 \end{aligned}$$

(a)+(b)+(c) **Cost of Capital Rate** = 0.1266047

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 336,149	From Worksheet 1, Line 13, Post-96
x Cost of Capital Rate	0.1266047	
= Investment Return and Income Taxes	<u>42,558</u>	To Worksheet 1

Fitchburg Gas and Electric Light Company
POST-1996

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		789,924	Line 1, Worksheet 5 Page 207.99g + (Page 201.3h + 201.6h - A/C 303 Common - Total A/C 310)*49.47% (d) See Workpaper 8
2	General Plant	10.7700% (a)	567,500	8.3954%	47,644	
3	Total (line 1+2)		<u>567,500</u>		<u>837,568</u>	
4	<u>Transmission Plant Held for Future Use</u>		0	8.3954%	<u>0</u>	Page 214
5	<u>Transmission Accumulated Depreciation</u> Transmission Accum. Depreciation		4,835,534	8.3954%	405,962	Page 219.25b + COR, See Workpaper 9 (1) Page 219.28c (includes common allocated to electric) (2)
6	General Plant Accum. Depreciation	10.7700% (a)	204,642	8.3954%	17,181	
7	Total (line 5+6)		<u>5,040,176</u>		<u>423,143</u>	
8	<u>Transmission Accumulated Deferred Taxes</u> Accumulated Deferred Taxes (281-283)	8.2626% (c)	(1,879,542)	8.3954%	(157,795)	Page 273.8k + 275.2k + 277.3k, See Workpaper 3
9	Accumulated Deferred Taxes (190)	8.2626% (c)	11,481	8.3954%	964	Page 234.8c
10	Total (line 8+9)		<u>(1,868,061)</u>		<u>(156,831)</u>	
11	<u>Transmission loss on Reacquired Deb</u>	8.2626% (c)	0	8.3954%	<u>0</u>	Page 111.81c
12	<u>Other Regulatory Assets</u> FAS 106	10.7700% (a)	75,850	8.3954%	6,368	Page 232.16f
13	FAS 109	8.2626% (c)	206,357	8.3954%	17,324	Page 232.1f - 278.1f
14	Other Regulatory Liabilities (254.DK)	8.2626% (c)	0	8.3954%	0	
15	Total (line 12+13+14)		<u>282,207</u>		<u>23,692</u>	
16	<u>Transmission Prepayments</u>	10.7700% (a)	455,913	8.3954%	<u>38,276</u>	Page 111.57c *p.200.8.c/p.200.8.b
17	<u>Transmission Materials and Supplies</u>		111,501	8.3954%	<u>9,361</u>	Page 227.8c
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				9,996	Worksheet 1, Line 20
20	Administrative & General Expense				47,812	Worksheet 1, Line 21
21	Transmission Support Expense				0	Worksheet 1, Line 24
22	Subtotal (line 19+20+21)				<u>57,808</u>	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				<u>7,226</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

(d) 49.47% 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

POST-1996

Worksheet 4 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)
<u>Depreciation Expense</u>						
1	324,023		324,023	8.3954%	27,203	Page 336.7b
2	182,547	10.7700% (a)	19,660	8.3954%	1,651	Page 336.10b (includes common allocated to electric)
3			343,683		28,854	
4	0	8.2626% (c)	0	8.3954%	0	Page 117.64c
5	0	8.2626% (c)	0	8.3954%	0	Page 266.8f
<u>Property Taxes</u>						
6	1,340,173	8.2626% (c)	110,733	8.3954%	9,296	Page 263i, lines 9, 10, 11 & 16
7		10.7700% (a)	0	8.3954%	0	Page 262-263
8			110,733		9,296	
<u>Transmission Operation and Maintenance</u>						
9	6,352,542		6,352,542	8.3954%	533,321	Page 321.112b
10	6,101,516		6,101,516	8.3954%	512,247	Page 321.96b
11	131,950		131,950	8.3954%	11,078	Page 321.84b to 321.88b
12	0		0	8.3954%	0	Page 321.93b & .98b
13	119,076		119,076	8.3954%	9,996	
<u>Transmission Administrative and General</u>						
14	5,466,712					Page 323.197b
15	38,579					Page 323.185b
16	238,568					Page 323.189b
17	0					Page 323.191b
18	5,189,565	10.7700% (a)	558,916	8.3954%	46,923	
19	38,579	8.2626% (c)	3,188	8.3954%	268	
20	7,391		7,391	8.3954%	621	Page 351.6h
21	0	8.2626% (c)	0	8.3954%	0	
22	5,235,535		569,495		47,812	
23	118,208	10.7700% (a)	12,731	8.3954%	1,069	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	1,566					Page 263.4i
FICA	190,205					Page 263.2i
Medicare	0					
State Unemployment	13,084					Page 263.6i
MA Universal Health	0					Page 263.8i
Payroll Taxes Capitalized	(86,647)					Page 263.15i
Total	118,208	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.				FERC Form 1 Reference
	<u>PTF Transmission Plant Allocation Factor</u>	Post-1996	Post-2003	Total Post-96
1	PTF Transmission Investment	120,691	669,232	789,924 See Workpaper 1
2	Total Transmission Investment	9,409,020	9,409,020	9,409,020 Page 207.58g
3	Percent Allocation (Line 1/Line 2)	1.2827%	7.1127%	8.3954%
	<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	87,257		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)	87,257		
7	Total Wages and Salaries	843,305		Page 354.28b + Line 5
8	Administrative and General Wages and Salaries	33,118		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)	810,187		
11	Percent Allocation (Line 6/Line 10)	10.7700%		
	<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	9,409,020		Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	567,500		Worksheet 3, Line 2, col.(3)
14	= Revised Numerator (Line 12 + Line 13)	9,976,520		
15	Total Plant in Service	120,742,550		Page 207.104g + Total Common Plant Allocated to Electric, Se Workpaper 8
16	Percent Allocation (Line 14 / Line 15)	8.2626%		

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			
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 2012
(Megawatts)
POST-1996**

Shading denotes an input

	JAN '12	FEB '12	MAR '12	APR '12	MAY '12	JUN '12	JUL '12	AUG '12	SEP '12	OCT '12	NOV '12	DEC '12
Day	4	13	1	2	30	21	17	9	5	24	28	17
Hour	18:00	19:00	18:00	20:00	20:00	16:00	17:00	13:00	19:00	18:00	17:00	17:00
FG&E	75	69	69	61	64	87	89	81	71	64	71	74

Annual FG&E System Average 12 CP Load **73**

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

Workpaper 1
Detail of PTF Transmission Plant as of 12/31/12

Date	Description	In Service	Value	Classification	PTF	Non-PTF	PTF XMFR	Non-PTF XMFR	Common	
					1	2	3	4	5	
Land										
1977	Cost of Land purchased from New England Power Co.		6,663.35	5	0	0	0	0	6663.35	
Oct-78	Acquisition Costs for land at Flagg Pond Sub		817.70	5	0	0	0	0	817.70	
Improvements										
Aug-65	Structures and Improvements		24,143.99	5	0	0	0	0	24143.99	
Nov-77	Purchased from NEP on 6/1/77, Tx Portion S/Ns 6994207 & 34891		443,407.08	4	0	0	0	443407.08	0	
	Purchased from NEP on 6/1/77, 115 kV Portion		414,449.05	1	414449.05	0	0	0	0	
	Purchased from NEP on 6/1/77, 69 kV Portion		414,449.05	2	0	414449.05	0	0	0	
Oct-78	Transfer acquisition costs to acct 2-353-99, TX's		(29,370.17)	4	0	0	0	-29370.17	0	
	Transfer acquisition costs to acct 2-353-99, 115		(27,452.06)	1	-27452.06	0	0	0	0	
	Transfer acquisition costs to acct 2-353-99, 69		(27,452.06)	2	0	-27452.06	0	0	0	
Dec-81	Retire 2 600 amp OCB plus installation		(21,975.62)	1	-21975.62	0	0	0	0	
Oct-82	Install 115kv breaker status for REMVEC		14,556.40	1	14556.40	0	0	0	0	
Nov-82	See F-2172		924,949.40	1	924949.40	0	0	0	0	
Jun-83	Install 2 1000w Lucalox Floodlights near control shack		2,938.12	5	0	0	0	0	2938.12	
Nov-84	Install Potential Transformers		21,174.57	5	0	0	0	0	21174.57	
Nov-84	Retire PT	1977	(4,628.41)	5	0	0	0	0	-4628.41	
Jun-85	Metering		41,916.83	5	0	0	0	0	41916.83	
Sep-88	Install #27 & #28 airbreak switch on #2 Feeder		17,310.44	2	0	17310.44	0	0	0	
Sep-88	Retire #27 & #28 airbreak switch on #2 Feeder	1977	(5,762.36)	2	0	-5762.36	0	0	0	
Jul-91	Adjust to above entry		183.25	2	0	183.25	0	0	0	
Feb-90	Install PT on 02 Line		8,435.83	2	0	8435.83	0	0	0	
Feb-90	Retire PT on 02 Line	1984	(21,174.57)	2	0	-21174.57	0	0	0	
Dec-89	Install 2016 of 4/0 st bare copper		1,868.89	5	0	0	0	0	1868.89	
Dec-89	Install 50' of 2" PVC Pipe		4,033.47	5	0	0	0	0	4033.47	
Dec-89	785' of 4/0 st 600 volt	1977	(1,198.75)	5	0	0	0	0	-1198.75	
Dec-89	50' of 4/0 wire	1977	(31.55)	5	0	0	0	0	-31.55	
Dec-89	760' of 4/0 hard drawn wire	1977	(1,310.88)	5	0	0	0	0	-1310.88	
Dec-89	50' of 4/0 wire	1977	(106.74)	5	0	0	0	0	-106.74	
Dec-89	965' of 4/0 wire	1977	(2,876.75)	5	0	0	0	0	-2876.75	
Dec-89	50' of 2" PVC Pipe	1977	(164.50)	5	0	0	0	0	-164.50	
Aug-91	GE 69kv Bushing in OCB s/n 0139A4928-201	1977	(14,231.56)	2	0	-14231.56	0	0	0	
Aug-91	69kv 1200amp bushing in OCB		2,405.57	2	0	2405.57	0	0	0	
Feb-87	Data Star Recorders		3,780.00	5	0	0	0	0	3780.00	
Mar-87	Installed Data Star Recorder Software Level #2		750.00	5	0	0	0	0	750.00	
1987	Payroll & overheads for above install		1,014.38	5	0	0	0	0	1014.38	
1978	Recorder Tape System GE	1978	(5,300.00)	5	0	0	0	0	-5300.00	
1978	Universal Mag Tape Cartridges	1978	(637.20)	5	0	0	0	0	-637.20	
Aug-90	Watt/Var Transducer		5,950.00	5	0	0	0	0	5950.00	
Aug-90	Volt Transducer		185.00	5	0	0	0	0	185.00	
Aug-90	Shipping & Handling		34.92	5	0	0	0	0	34.92	
Aug-90	500' 4/C #12 AWG Control Cable		1,142.10	5	0	0	0	0	1142.10	
Aug-90	50' 1/2 watt precision resistors		41.39	5	0	0	0	0	41.39	
Aug-90	350' T&B Stakon Terminals		86.45	5	0	0	0	0	86.45	
Aug-90	69' Copper Wire		10.35	5	0	0	0	0	10.35	
Aug-90	Cable Tie		17.55	5	0	0	0	0	17.55	
Aug-90	Misc Parts		52.76	5	0	0	0	0	52.76	
Aug-90	Labor for fixing recorder		368.80	5	0	0	0	0	368.80	
Aug-90	Labor for wiring		124.20	5	0	0	0	0	124.20	
Jun-92	Install GETEC Telemetry to REMVAC (Liabilities)		422.31	5	0	0	0	0	422.31	
Jun-92	Overheads		6,638.54	5	0	0	0	0	6638.54	
Jun-92	Payroll		8,030.61	5	0	0	0	0	8030.61	
Nov-91	Bristol DPC 333010A computer		4,230.71	5	0	0	0	0	4230.71	
Nov-91	Bristol SLC 371140A Recorders		5,771.41	5	0	0	0	0	5771.41	
Oct-91	Bristol Power Supply		515.05	5	0	0	0	0	515.05	
Sep-91	Labor to set up Bristol		2,355.00	5	0	0	0	0	2355.00	
Aug-90	Spare Interrupter Assembly for 115kv Circuit breaker		9,512.00	2	0	9512.00	0	0	0	
1993	Retire Westinghouse auto transformer	1977	(152,101.77)	4	0	0	0	-152101.77	0	
1992	Redesign Rewind & Rebuild 30/40/50 MVA West		0.00	4	0	0	0	0	0	
	Auto Transformer s/n 34891 includes all charges		514,480.75	4	0	0	0	514480.75	0	
1992	Purch used Auto Transformer 24/40 mva Magntek		200,032.04	4	0	0	0	200032.04	0	

Date	Description	In Service	Value	Classification	PTF	Non-PTF	PTF XMFR	Non-PTF XMFR	Common	5
Land					1	2	3	4		
Apr-94	Fused Disconnect	1977	(505.26)	5	0	0	0	0	-505.26	
May-94	Replace Fused Disconnect		434.21	5	0	0	0	0	434.21	
Sep-94	Install & purch EM-GRO Air Compressor		1,273.97	5	0	0	0	0	1273.97	
Sep-94	Install Deadend Structure 3-arrestors & 6-bushings		30,233.66	5	0	0	0	0	30233.66	
Sep-95	Construct 115 Kv facilities & connect spare transformer		0.00	2	0	0	0	0	0	
	in place of failed #1 autotrans.		237,601.84	2	0	237601.84	0	0	0	
	Repair and rewind of 115-69 KV #1 Autotransformer		0.00	3	0	0	0	0	0	
	including uprating to a rated capacity of 60/80/100 MVA		335,776.00	4	0	0	0	335776.00	0	
	Insurance Recovery less deductible of \$25K		(321,696.66)	4	0	0	0	-321696.66	0	
Nov-95	Lightning arrestors, delivery and testing		6,840.09	2	0	6840.09	0	0	0	
Sep-96	60/80/100 MVA 115-69KV Autotransformer (1996) S/N=MNL9258		544,772.08	4	0	0	0	544772.08	0	
Sep-96	Installation cost for above (1996)		42,610.39	4	0	0	0	42610.39	0	
Nov-97	Current Transformers	1977	(8,000.00)	5	0	0	0	0	-8000.00	
Mar-98	Autotransformer Disconnect Switch	1977	(2,700.00)	2	0	-2700.00	0	0	0	
May-98	D-30 Oil Circuit Breaker	1977	(14,590.00)	2	0	-14590.00	0	0	0	
May-98	Disconnect Switch for above	1977	(2,700.00)	2	0	-2700.00	0	0	0	
	C29 Breaker Disconnect Switch	1977	(5,858.61)	2	0	-5858.61	0	0	0	
Aug-00	Three Phase overcurrent relays	1977	(2,100.00)	2	0	-2100.00	0	0	0	
	Ground overcurrent relays	1977	(1,400.00)	2	0	-1400.00	0	0	0	
Nov-05	Retire Meters & Relays, Control Power System	1978	(25,490.00)	1	-25490.00	0	0	0	0	
Nov-05	Retire Ann. & events Recorder, Rochester Instrument #449-1462	1978	(15,400.00)	1	-15400.00	0	0	0	0	
Nov-05	Retire 200 Ampere Hour Battery, Excide	1978	(3,042.00)	1	-3042.00	0	0	0	0	
Nov-05	Retire Engineering Services and Testing Services	1978	(11,269.53)	1	-11269.53	0	0	0	0	
Nov-05	Retire Antenna Installed	1978	(302.00)	1	-302.00	0	0	0	0	
Nov-05	Retire Encoders Installed	1978	(547.00)	1	-547.00	0	0	0	0	
Nov-05	Retire AC Power Surge Kit	1978	(21.00)	1	-21.00	0	0	0	0	
Nov-05	Retire Coaxial Antenna, Lead, Fittings & Installation of Antenna	1978	(261.35)	1	-261.35	0	0	0	0	
Nov-05	Retire BBA15-AA11 Desk Top 50 Watt #6161 4030A	1978	(1,195.00)	1	-1195.00	0	0	0	0	
Nov-05	Retire B169 AC Power Surge Kit MI 559429	1978	(21.00)	1	-21.00	0	0	0	0	
Nov-05	Retire Sales Tax on Above	1978	(10.03)	1	-10.03	0	0	0	0	
Nov-05	Retire Cleverdon, Varney & Pike Invoices	1978	(14,094.12)	1	-14094.12	0	0	0	0	
Nov-05	Retire Cleverdon, Varney & Pike Engineering Services Invoices	1978	(9,047.75)	1	-9047.75	0	0	0	0	
Nov-05	Retire General Electric Company Invoices for computer services	1978	(76.19)	1	-76.19	0	0	0	0	
Nov-05	Retire Events Recorder & Accessories (from Rochester Instruments)	1978	(69.24)	1	-69.24	0	0	0	0	
Nov-05	Retire Metering	1984	(20,742.26)	1	-20742.26	0	0	0	0	
Nov-05	Retire 'Watt/Var Transducer	Aug-90	(5,950.00)	5	0	0	0	0	-5950.00	
Nov-05	Retire Volt Transducer	Aug-90	(185.00)	5	0	0	0	0	-185.00	
Nov-05	Retire Shipping & Handling	Aug-90	(34.92)	5	0	0	0	0	-34.92	
Nov-05	Labor for fixing recorder	Aug-90	(368.80)	5	0	0	0	0	-368.80	
Nov-05	Labor for wiring	Aug-90	(124.20)	5	0	0	0	0	-124.20	
Nov-05	Retire 'Install GETEC Telemetry to REMVAC (Liabilities)	Aug-90	(422.31)	5	0	0	0	0	-422.31	
Nov-05	Retire Overheads	Aug-90	(6,638.54)	5	0	0	0	0	-6638.54	
Nov-05	Retire 'Payroll	Aug-90	(8,030.61)	5	0	0	0	0	-8030.61	
Nov-05	Retire Duct Tone Receivers Installed	1978	(\$447.00)	1	-447.00	0	0	0	0	
Nov-05	Retire B166 Emergency Power Option #CT 1009-0	1978	(\$102.00)	1	-102.00	0	0	0	0	
Nov-05	Retire Data Star Recorders	Feb-87	(3,780.00)	5	0	0	0	0	-3780.00	
Nov-05	Retire Installed Data Star REcorder Software Level #2	Mar-87	(750.00)	5	0	0	0	0	-750.00	
Nov-05	Retire Payroll & overheads for above install	1987	(1,014.38)	5	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	-1142.10	
Nov-05	Retire 50' 1/2 watt precision resistors	Aug-90	(41.39)	5	0	0	0	0	-41.39	
Nov-05	Retire 350' T&B Stakon Terminals	Aug-90	(86.45)	5	0	0	0	0	-86.45	
Nov-05	Retire 69' Copper Wire	Aug-90	(10.35)	5	0	0	0	0	-10.35	
Nov-05	Retire Cable Tie	Aug-90	(17.55)	5	0	0	0	0	-17.55	
Nov-05	Retire Misc Parts	Aug-90	(52.76)	5	0	0	0	0	-52.76	
Nov-05	Retire 'Bristol DPC 333010A computer	Aug-90	(4,230.71)	5	0	0	0	0	-4230.71	
Nov-05	Retire Bristol SLC 371140A Recorders	Aug-90	(5,771.41)	5	0	0	0	0	-5771.41	
Nov-05	Retire Bristol Power Supply	Aug-90	(515.05)	5	0	0	0	0	-515.05	
Nov-05	Retire Labor to set up Bristol	Aug-90	(2,355.00)	5	0	0	0	0	-2355	
Dec-06	Retired used Auto Transformer 24/40 mva Magntek	1992	(200,032.04)	4	0	0	0	-200,032.04	0	
Jul-08	Retire Deadend Structure 3-arrestors & 6-bushings	1994	(30,233.66)	5	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	
Dec-12	Retire 69kv 1200amp bushing in OCB	Aug-91	(2,405.57)	2	0.00	(2,405.57)	0	0	0	
Total Pre-97 PTF			44,728,031.37		1,187,833.30	596,363.34	0.00	1,377,877.70	80,505.06	

Date	Description	In Service	Value	Classification	PTF	1	Non-PTF	2	PTF XMFR	3	Non-PTF XMFR	4	Common	5	
Nov-97	Land														
Nov-97	69kv Post Insulators		7,125.43	2	0	0	7125.43	0	0	0	0	0	0	0	
Feb-98	Install Metering & Test Switches		8,836.13	5	0	0	0	0	0	0	0	0	8836.13	0	
Mar-98	Install Lightning Arrester #1 Auto		1,990.46	2	0	0	1990.46	0	0	0	0	0	0	0	
Mar-98	Repl Autotransformer 69kv Disconnect Switches		14,416.88	2	0	0	14416.88	0	0	0	0	0	0	0	
Apr-98	Additional charges for above		3,799.62	2	0	0	3799.62	0	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	0	0	3414.14	0	
May-98	40kA interrupting rated breaker w/disconnect switch		71,361.36	2	0	0	71361.36	0	0	0	0	0	0	0	
Nov-98	Voltage Potential Transformer		6,864.00	5	0	0	0	0	0	0	0	0	6864.00	0	
May-99	Southern States TA-OC 69kV 1200A Switch		19,419.24	2	0	0	19419.24	0	0	0	0	0	0	0	
Dec-99	UV Relay installed		605.13	2	0	0	605.13	0	0	0	0	0	0	0	
Mar-00	Modifications for 3rd 69kv line to River St S/S		162,000.94	2	0	0	162000.94	0	0	0	0	0	0	0	
Apr-00	Dead Station Tripping Scheme		2,212.64	5	0	0	0	0	0	0	0	0	2212.64	0	
Aug-00	Replace 02 line ground relays		7,085.89	2	0	0	7085.89	0	0	0	0	0	0	0	
Aug-00	Additional charges for modifications for 3rd line		9,717.74	2	0	0	9717.74	0	0	0	0	0	0	0	
Oct-02	Replace #5 Bushing on 7A1 Oil Circuit Breaker		7,705.53	2	0	0	7705.53	0	0	0	0	0	0	0	
Nov-02	Install Spare PT s/n 1024577		26,749.83	2	0	0	26749.83	0	0	0	0	0	0	0	
Nov-02	Purchase spare PT JVZ350VT 350/600 s/n 1890057484		9,479.40	2	0	0	9479.40	0	0	0	0	0	0	0	
Feb-03	Installation cost for Spare Bushing #5 (C-9293)		7,268.29	2	0	0	7268.29	0	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	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	0	0	113635.68	0	
Nov-05	Retire UV Relay Installed	Dec-99	(605.13)	2	0	0	-605.13	0	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	0	-2212.64	0	
Nov-05	Retire Replace 02 line ground relays	Aug-00	(7,085.89)	2	0	0	-7085.89	0	0	0	0	0	0	0	
Dec-06	Repl Autotransformer 69kv Disconnect Switches	1997	(14,416.88)	2	0.00	0	-14,416.88	0.00	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	0	-3799.62	0	0	0	0	0	0	0	
Total POST-96 PTF			\$550,588.20		\$0.00		\$322,818.22	\$0.00	\$0.00		\$0.00		\$227,769.98		
Jan-04	Replace 69Kv Pin & Cap Insulator		529.89	2	0	0	529.89	0	0	0	0	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	0	0	0	0.00	0.00	
Nov-05	FGE Control House Project (Non-PTF) (See page 5 for detail)		574,504.78	2	0	0	574504.78	0	0	0	0	0	0.00	0.00	
Dec-06	#1 AutoTransformer Install 169 grd oper 69kv airbrake switch		21,720.43	2	0	0	21720.43	0	0	0	0	0	0.00	0.00	
Dec-06	Purchase new Spare Auto Transformer 60/80/100MVA		959,517.11	4	0	0	0	0	0	959517.11	0.00	0.00	0.00	0.00	
Dec-06	Foundation for Spare Auto Transformer		31,222.40	4	0	0	0	0	0	31222.40	0.00	0.00	0.00	0.00	
Aug-07	Purchase & Install Battery Monitoring System - 115kV		11,450.47	1	11450.47	0	0	0	0	0	0	0	0.00	0.00	
Aug-07	Purchase & Install Battery Monitoring System - 69kV		11,450.48	2	0	0	11450.48	0	0	0	0	0	0.00	0.00	
Sep-07	Installation of Yard Lighting (PTF) (See page 6 for detail)		21,239.46	1	21239.46	0	0	0	0	0	0	0	0.00	0.00	
Sep-07	Installation of Yard Lighting (Non-PTF) (See page 6 for detail)		21,239.41	2	0	0	21239.41	0	0	0	0	0	0.00	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	0	0	0	0.00	0.00	
Dec-07	Labor Cost to install replacement line back-up relays - 69kV	2006	18,753.78	2	0	0	18753.78	0	0	0	0	0	0.00	0.00	
Oct-08	Labor and Materials to Install anchors & guys to support buss work 69kV		5,870.49	2	0	0	5870.49	0	0	0	0	0	0.00	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	0	0	0	0.00	0.00	
Mar-10	Capacitor Voltage Transformer 115kv		\$18,731.61	1	18731.61	0	0	0	0	0	0	0	0.00	0.00	
Jul-11	Electric Plant Acquisition Adjustment		\$122,600.09	5	0	0	0	0	0	0	0	0	122,600.09	0.00	
Dec-12	Protection Relay (Modify J136N Line)		\$18,121.88	1	18121.88	0	0	0	0	0	0	0	0.00	0.00	
Dec-12	Breaker Failure (135N Line Relay, Fitzwilliam Project)		\$40,543.14	1	40543.14	0	0	0	0	0	0	0	0.00	0.00	
Dec-12	Setting new anchor and taps pm 69 lv Bus Section		\$16,719.33	2	0	0	16719.33	0	0	0	0	0	0.00	0.00	
Dec-12	8B2 Bushing Replacement		(\$18,794.09)	1	-18794.09	0	0	0	0	0	0	0	0.00	0.00	
Dec-12	115 kv Switch contacts		\$25,847.93	1	25847.93	0	0	0	0	0	0	0	0.00	0.00	
Total Post-03 PTF			\$2,388,396.66		\$604,268.47		\$670,788.59	\$0.00	\$990,739.51		\$122,600.09				
PTF			1,792,101.77	\$	47,667,016.23	\$	1,792,101.77	\$	1,589,970.15	\$	-	\$	2,368,617.21	\$	430,875.13
non-PTF			1,589,970.15												
PTF Ratio			0.5299			52.99%	47.01%								
Pre-97 PTF					1,187,833	POST-96 PTF					-				
XFRM Pre-97 PTF					-	XFRM POST-96 PTF					-				
COMMON Pre-97 PTF					42,658	COMMON POST-96 PTF					120,691				
Total Pre-97PTF					1,230,492	Total POST-96 PTF					120,691				
POST-03 PTF					604,268										
XFRM POST-03 PTF					-										
COMMON POST-03 PTF					64,964										
Total POST-03 PTF					669,232										

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	115 kv portion SCADA Equipment		
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	115 kv portion Installation of Control House		
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	115 kv portion Installation of Control House		
Nov-05	Company Labor	\$97.92	1
Nov-05	115 kv portion Installation of Control House		
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	69 kv portion of SCADA Equipment		
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	69 kv portion Installation of Control House, etc.		
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
	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	

PTF Ratio (See page 3)

PTF Estimated Addition

WORKPAPER 2
Fitchburg Gas and Electric Light Company
2012 Cost of Capital

	<i>Amount Outstanding 12/31/12</i>	<i>C.O.C.</i>	<i>Weight</i>	<i>Weighted Cost of Capital</i>
Common Stock Equity	\$64,046,174	11.64%	47.78%	5.56%
Long Term Debt	70,000,000	6.99%	52.22%	3.65%
Total	\$134,046,174			9.21%

Common Equity

Common Stock	\$22,627,257
Retained Earnings	11,926,000
Capital Stock Expense	(1,507,083)
Misc. Paid in Capital	31,000,000
Total	\$64,046,174

Long Term Debt

<i>Series</i>		<i>Amount Outstanding 12/31/12</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%	19,000,000	10,671	1,282,500	1,293,171	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		\$70,000,000	\$42,879	\$4,848,100	\$4,890,979	6.99%

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

		<u>2012</u>	
1. Account 281	Accumulated Deferred Income Taxes - Accelerated Amortization Property	\$	- FF1, Page 273.8k
2. Account 282	Accumulated Deferred Income Taxes - Other Property	\$	22,136,164 FF1, Page 275.2k
3. Account 283	Account 283 - Electric	\$	(2,210,016) FF1, Page 277.3k
5. Account 283	Less FAS 158	\$	(8,606,832)
6. Account 283	Less Storm Restoration	\$	5,785,400
		\$	22,747,580 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	\$ (380,044)	\$ (382,680)	\$ (762,724)
Def SIT FAS 158 SERP	\$ (103,839)	\$ (104,559)	\$ (208,398)
Def FIT FAS 158 Pension	\$ (4,022,040)	\$ (4,133,852)	\$ (8,155,892)
Def SIT FAS 158 Pension	\$ (903,447)	\$ (926,673)	\$ (1,830,120)
Def FIT FAS 158 PBOP	\$ (2,599,004)	\$ (2,654,394)	\$ (5,253,398)
Def SIT FAS 158 PBOP	\$ (598,458)	\$ (609,897)	\$ (1,208,354)
Total FAS 158	\$ (8,606,832)	\$ (8,812,054)	\$ (17,418,886)
Def FIT Storm Restoration	\$ 4,803,287	N/A	\$ 4,803,287
Def SIT Storm Restoration	\$ 982,113	N/A	\$ 982,113
Total Storm Restoration	\$ 5,785,400		\$ 5,785,400

Workpaper 4
Fitchburg Gas and Electric Light Company
Labor Allocator
2011 percentages applicable to 2012 costs

	Gas	Electric	Total
Salaries & Wages - Operation & Maintenance			
Production - Maint	\$ 56,661	\$ 56,661	
Production - Oper	157,691		157,691
Transmission - Maint		50,058	50,058
Transmission - Oper	19,041	35,940	54,981
Distribution - Maint	187,470	345,259	532,729
Distribution - Oper	735,783	530,921	1,266,704
Customer Accounting	36,106	51,770	87,876
Admin & General	-	-	-
Total - O&M Direct Labor	1,192,752	1,013,947	2,206,699
Construction			
Direct Payrol	256,011	453,644	709,655
Overhead Payrol	369,104	312,427	681,531
Total - Construction Direct Labor	625,114	766,071	1,391,186
Total Direct Labor	\$ 1,817,866	\$ 1,780,018	\$ 3,597,885
Labor Allocator	50.53%	49.47%	100.00%

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

		<u>2012</u>	
Account 281	Accumulated Deferred Income Taxes - Accelerated Amortization Property	\$	- FF1, Page 273.8k
Account 282	Accumulated Deferred Income Taxes - Other Property	\$	<u>22,136,164</u> FF1, Page 275.2k
	Total Accounts 281, 282	\$	22,136,164
	Plant Allocation Factor		<u>8.2626%</u> Worksheet 5, Line 16
	Transmission Allocated (Total Accounts 281, 282 * Plant Allocation Factor)	\$	<u>1,829,023</u>
	Post-2003 PTF Transmission Plant Allocation Factor		6.4526% Worksheet 5, Line 3 - Column 2
	Post-2003 PTF Accumulated Deferred Income Tax	\$	118,020 Worksheet 1, Line 6

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

		<u>2012</u>	
20-20-13-00-565-75-00	BECO HQII - TRANSMISSION	\$ 2,080	Worksheet 7, BECo HQ Phase II - AC in MA
20-20-13-00-565-76-00	NEP HQII - TRANSMISSION	\$ 27,810	Worksheet 7, NEP HQ Phase II - AC in MA

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

2012 ACTUAL CHESTER SVC COSTS	\$ 2,670,139
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SUPPORTER

Fitchburg Gas and Electric Light Company

SUPPORTER
SHARE

0.4341%	\$ 11,591 (1)
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(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		<u>\$82,438</u>	<u>\$1,043</u>	<u>1.27%</u>
3				
4 Total		\$9,409,020	\$1,043	0.01%
5				
6 Transmission Depreciation (Worksheet 4)				\$343,683
7				
8 Equity AFUDC Portion of Depreciation Expense (L.4 * L.6)				\$38
9				
10 Pre-97 PTF Allocation Factor (Worksheet 5)				13.0778%
11				
12 Pre-97 PTF Equity AFUDC Portion of Depreciation Expense (Worksheet 2) (L.8 * L.10)				\$5
13				
14 POST-96 PTF Allocation Factor (Worksheet 5)				8.3954%
15				
16 POST-96 PTF Equity AFUDC Portion of Depreciation Expense (Worksheet 2) (L.8 * L.14)				\$3

Workpaper 8
Fitchburg Gas and Electric Light Compan
General Plant

1	General Plant	\$2,267,231	FF1, Page 207.99g
2			
3	Common Depreciable Plan		
4	Structures:		
5	390 STRUCTURES AND IMPROVEMENTS	\$580,022	
6	390.2 IMPROV. TO LEASED SVC CENTER	<u>\$1,123,717</u>	
7	TOTAL STRUCTURES	\$1,703,739	
8			
9	General Plant:		
10	391 OFFICE FURNITURE	\$398,730	
11	393 STORES EQUIPMENT	\$56,358	
12	394 TOOLS, SHOP & GARAGE EQUIPMENT	\$183,019	
13	396 POWER OPERATED EQUIPMENT	\$4,091	
14	397 COMMUNICATION EQUIPMENT	\$1,711,028	
15	398 MISC. EQUIPMENT	<u>\$86,204</u>	
16	TOTAL GENERAL PLANT	\$2,439,430	
17			
18	Transportation Equipment		
19	392 TRANSPORTATION EQUIPMENT	\$16,149	
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	\$1,358,367	
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	\$3,267,442	
29			
			Sum: L. 7, 16, 19, & 28; ties to FF1,
30	Total Common Plant	\$7,426,760	Page 201.3h + 201.6h
31	Less: Account 303	(\$1,358,367)	L. 25
32	Less: Account 310	<u>\$0</u>	L. 22
33	Total Common, A/C 389 - 399	\$6,068,393	Sum: L. 30, 31, & 32
34	Labor Allocato	49.47%	Workpaper 4
35	Total Common Plant Allocated to Electri	\$3,002,034	L. 33 *L. 34
36			
37	Total General Plant	\$5,269,265	L. 35 + L. 1, Worksheet 3, Line 2

Workpaper 9
Fitchburg Gas and Electric Light Company
Future Cost of Removal

1	Total Accumulated Future Cost of Removal	\$9,818,240	Ties to FF1, P. 278.4f
2	Transmission Reserve	\$4,801,980	G.L. Detail
3	Distribution Reserve	<u>\$38,921,864</u>	G.L. Detail
4	Total	\$43,723,844	
5	Transmission Percentage	10.98%	Line 2/Line 4
6	Future Cost of Removal Allocated to Transmission	\$1,078,290	Line 1 * Line 5; Worksheet 3, Line 7

Note: Prior to December 31, 2012, the cost of removal amounts had been recorded in accumulated Depreciation on the Company's Balance sheets.
The prior period amounts have been reclassified to Other Regulatory Liabilities on the Company's Balance sheets to conform to current year presentation.

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:	9-May-13
Revenue Requirements for (year):	Calendar Year 2012
Rates Effective for the period: through:	June 2013 May 2014
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 =	897,210 (a)	1,488,374 (f)
Total of Attachment F - Section J - Support Revenue	0 (b)	0 (g)
Total of Attachment F - Section K - Support Expense	41,223 (c)	0 (h)
Total of Attachment F - Section (L through O)	(809) (d)	0 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	937,624 (e)=(a)-(b)+(c)+(d)	1,488,374 (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	N/A	16,965 (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	(150,302) (l)	(69,279) (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	787,321 (n)=(e)+(l)	1,436,060 (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)		2,223,381 (p)=(n)+(o)

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

1 2012 Est. Transmission Revenue Requirements (as billed	6/12-05/13	Appendix C	Pre 1997	Post 1996	ATRR - Prior Year
2 2012 Actual Annual RR			1,083,079	1,555,418	
3 True-up Over/(Under) (Line 1 - Line 2)			937,624	1,488,374	Input Panel Subtotals
			145,455	67,044	

PRE97	Undercollection / (Overcollection)
Post1996	(145,455)
	(\$67,044)

Initial Billing Period	PRE97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE97 Interest	POST 1996 Interest
June 2012	\$ (145,455)	(67,044)	0.27%	\$ (393)	\$ (181)
July 2012	\$ (145,848)	(67,225)	0.28%	(408)	(188)
August 2012	\$ (145,848)	(67,225)	0.28%	(408)	(188)
September 2012	\$ (145,848)	(67,225)	0.27%	(394)	(182)
October 2012	\$ (147,059)	(67,783)	0.28%	(412)	(190)
November 2012	\$ (147,059)	(67,783)	0.27%	(397)	(183)
December 2012	\$ (147,059)	(67,783)	0.28%	(412)	(190)
January 2013	\$ (148,279)	(68,346)	0.28%	(415)	(191)
February 2013	\$ (148,279)	(68,346)	0.25%	(371)	(171)
March 2013	\$ (148,279)	(68,346)	0.28%	(415)	(191)
April 2013	\$ (149,480)	(68,900)	0.27%	(404)	(186)
May 2013	\$ (149,480)	(68,900)	0.28%	(419)	(193)
	Total Interest			\$ (4,847)	\$ (2,234)
	True-Up			(145,455.41)	(\$67,044)
	Total TU & Int			\$ (150,302)	\$ (69,279)

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

POST-1996				
Shading denotes an input				
I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS		Attachment F	HG&E	
		Reference	Reference	
		Section:		
Line No.		Period		
1	Forecasted Transmission Plant Additions	2013	Appendix C	\$83,393
2	Carrying Charge Factor		Appendix C	20.34%
3	Total Forecasted Revenue Requirements (Lines 1*2)			\$16,965
II. CARRYING CHARGE FACTOR				
4	Investment Return and Income Taxes	(A)	\$516,703	Worksheet 1a, line 14
5	Depreciation Expense	(B)	\$87,473	Summary, line 15
6	Amortization of Loss on Reacquired Debt	(C)	\$75,069	Summary, line 16
7	Investment Tax Credit	(D)	\$0	Summary, line 17
8	Property Tax Expense	(E)	\$176,924	Summary, line 18
9	Payroll Tax Expense	(F)	\$2,590	Summary, line 19
10	Operation & Maintenance Expense	(G)	\$335,274	Summary, line 20
11	Administrative & General Expense	(H)	\$294,341	Summary, line 21
12	Total Expenses (Lines 4 thru 11)		\$1,488,374	
13	PTF Transmission Plant	(A)(1)(a)	\$7,316,368	Summary, line 1
14	Carrying Charge Factor (Lines 12/13)		20.34%	

Holyoke Gas & Electric Department
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs as billed in 2012 06/12-05/13

		Attachment F			
		Reference	Pre 1997	Post 1996	Reference
Line No.	I. INVESTMENT BASE	Section:			
1	Transmission Plant	(A)(1)(a)	4,271,276	2,358,238	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	308,411	170,279	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)		4,579,687	2,528,517	
5	Accumulated Depreciation	(A)(1)(d)	2,907,273	1,605,149	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)	29,733	16,416	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)		1,702,147	939,784	
10	Prepayments	(A)(1)(h)	1,292,477	713,596	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	75,641	41,763	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	78,252	40,415	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		3,148,517	1,735,558	
II.	REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	267,624	147,523	Worksheet 2
15	Depreciation Expense	(B)	80,196	44,277	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	29,733	16,416	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	63,225	34,907	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	2,751	1,519	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	350,637	193,592	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	234,969	129,730	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	0	Worksheet 7
22a	Share of Seabrook Transmission Revenue Requirement		14,216	0	From MMWEC Analysis of Holyoke's % Share
23	Transmission Support Revenue	(J)	0	0	Worksheet 7
24	Transmission Support Expense	(K)	40,407	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)	(228)	0	NEPOOL Sch 1: ST Through and Out Revenues (TOUT Sch 1)
28	Transmission Rents Received from Electric Property	(O)	(451)	0	Page 37 line 18b * Actual number of Transmission poles
29	Total Revenue Requirements (Line 14 thru 28)		1,083,079	567,964	

Shading denotes an input

		Attachment F		
		Reference	Holyoke	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	4,271,276	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	231,316	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)		4,502,592	
5	Accumulated Depreciation	(A)(1)(d)	1,871,065	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)	43,825	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)		2,675,352	
10	Prepayments	(A)(1)(h)	738,478	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	89,043	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	51,099	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		3,553,972	
II.	REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	302,088	Worksheet 2
15	Depreciation Expense	(B)	51,066	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	43,825	Worksheet 4, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	103,287	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	1,512	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	195,731	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	171,836	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0	Worksheet 7
22a	Share of Seabrook Transmission Revenue Requirement		27,865	From MMWEC Analysis of Holyoke's % Share
23	Transmission Support Revenue	(J)	0	Worksheet 7
24	Transmission Support Expense	(K)	41,223	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)	(344)	NEPOOL Sch 8: ST Through and Out Revenues (TC
28	Transmission Rents Received from Electric Property	(O)	(465)	Page 37 line 18b * Actual number of Transi
29	Total Revenue Requirements (Line 14 thru 28)		937,624	

Shading denotes an input

		Attachment F		
		Reference	Holyoke	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	7,316,368	Worksheet 3a, line 1 column 5
2	General Plant	(A)(1)(b)	396,227	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)		7,712,595	
5	Accumulated Depreciation	(A)(1)(d)	3,204,997	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)	75,069	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)		4,582,667	
10	Prepayments	(A)(1)(h)	1,264,959	Worksheet 3a, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	152,524	Worksheet 3a, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	78,702	Worksheet 3a, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		6,078,852	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	516,703	Worksheet 2a
15	Depreciation Expense	(B)	87,473	Worksheet 4a, line 3 column 5
16	Amortization of Loss on Reacquired Debt	(C)	75,069	Worksheet 4a, line 4 column 5
17	Investment Tax Credit	(D)	0	Worksheet 4a, line 5 column 5
18	Property Tax Expense	(E)	176,924	Worksheet 4a, line 8 column 5
19	Payroll Tax Expense	(F)	2,590	Worksheet 4a, line 17 column 5
20	Operation & Maintenance Expense	(G)	335,274	Worksheet 4a, line 13 column 5
21	Administrative & General Expense	(H)	294,341	Worksheet 4a, 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)		1,488,374	

Holyoke Gas & Electric Department
Annual Revenue Requirements
for costs in 2012
Pre-1997

Shading denotes an input

	CAPITALIZATION 12/31/2010	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG TERM DEBT	\$ Not Applicable	#VALUE!		#VALUE!	
COMMON EQUITY		#VALUE!		#VALUE!	
		#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	=	$\frac{\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv.} - \text{Eq. AFUDC}}{\text{Tax Credit} + \text{of Deprec. Exp.}} \right) / \text{PTF Inv. Base}}{1} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv.} - \text{Eq. AFUDC}}{\text{Tax Credit} + \text{of Deprec. Exp.}} \right) / \text{PTF Inv. Base}}{1} \right) - \text{Federal Income Tax Rate}}$	
	=	$\frac{\left(\frac{0.0000 + \left(\frac{0 + 0}{3,553,972} \right)}{1} \right) \times 0}{\left(\frac{0.0000 + \left(\frac{0 + 0}{3,553,972} \right)}{1} \right) - 0}$	
	=	0.0000000	
(c) State Income Tax	=	$\frac{\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv.} - \text{Eq. AFUDC}}{\text{Tax Credit} + \text{of Deprec. Exp.}} \right) / \text{PTF Inv. Base}}{1} \right) + \text{Federal Income Tax}}{\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv.} - \text{Eq. AFUDC}}{\text{Tax Credit} + \text{of Deprec. Exp.}} \right) / \text{PTF Inv. Base}}{1} \right) - \text{State Income Tax Rate}}$	* State Income Tax Rate
	=	$\frac{\left(\frac{0.0000 + \left(\frac{0 + 0}{3,553,972} \right)}{1} \right) + 0.0000000}{\left(\frac{0.0000 + \left(\frac{0 + 0}{3,553,972} \right)}{1} \right) - 0}$	* 0
	=	0.0000000	
(a)+(b)+(c) Cost of Capital Rate	=	0.0850000	

	(PTF)	
INVESTMENT BASE	\$ 3,553,972	From Worksheet 1
x Cost of Capital Rate	0.0850000	
= Investment Return and Income Taxes	302,088	To Worksheet 1

Holyoke Gas & Electric Department
Annual Revenue Requirements
for costs in 2012
Post-1996

Shading denotes an input

	CAPITALIZATION 12/31/10	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG TERM DEBT	\$ Not Applicable	#VALUE!		#VALUE!	
COMMON EQUITY		#VALUE!		#VALUE!	
		#VALUE!		#VALUE!	#VALUE!
TOTAL INVESTMENT RETURN	\$ n/a	#VALUE!		#VALUE!	#VALUE!

Cost of Capital Rate=

(a) Weighted Cost of Capital	=	0.085 to 0.095	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 includ		
(b) Federal Income Tax	=	(R.O.E. + (PTF Inv. Eq. AFUDC (Tax Credit + of Deprec. Exp.) / PTF Inv. Base)) x Federal Income Tax Rate) (1 - Federal Income Tax Rate)			
	=	(0.0000 + (0 + 0) / 3,553,972) x 0) (1 - 0)			
	=	0.0000000			
(c) State Income Tax	=	(R.O.E. + (PTF Inv. Eq. AFUDC (Tax Credit + of Deprec. Exp.) / PTF Inv. Base)) + Federal Income Tax) * State Income Tax Rate (1 - State Income Tax Rate)			
	=	(0.0000 + (0 + 0) / 3,553,972) + 0.0000000) * 0) (1 - 0)			
	=	0.0000000			
(a)+(b)+(c) Cost of Capital Rate	=	#VALUE!			

	(PTF) prior 1/1/04		(PTF) on or after 1/1/04		(PTF) on or after 1/1/04	
INVESTMENT BASE	\$ 6,078,852	From Worksheet 1	6,078,852	From Worksheet 1	6,078,852	From Worksheet 1
% Allocated to respective period	0.10%		99.90%		0.00%	
PERIOD INVESTMENT BASE	5,854		6,072,998		0	
x Cost of Capital Rate	0.0850000		0.0850000	Not included in RSP	0.0950000	Included in RSP
= Investment Return and Income Taxes	498	To Worksheet 1	516,205	To Worksheet 1	0	To Worksheet 1

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	13,507,913		13,507,913		4,271,276	Line 1, Worksheet 5
2	10,555,197	6.9306% (a)	731,538	31.6205%	231,316	Page 8B, line 30g less line 29 telecom
3			14,239,451		4,502,592	
4	0		0	31.6205%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	5,521,783		5,521,783	31.6205%	1,746,015	Page 8A, line 31g less Page 16, line 31g
6	5,706,144	6.9306% (a)	395,470	31.6205%	125,050	(Page 8B, line 30g less line29 telecom) less
7			5,917,253		1,871,065	(Page 17, line 30g less line 29g telecom)
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	10.8244% (c)	0	31.6205%	0	None known
9	0	10.8244% (c)	0	31.6205%	0	None known
10			0		0	
11	1,280,403	10.8244% (c)	138,596	31.6205%	43,825	Page 13, line 28d
<u>Other Regulatory Assets</u>						
12	0	6.9306% (a)	0	31.6205%	0	None known
13	0	10.8244% (c)	0	31.6205%	0	None known
14	0	10.8244% (c)	0	31.6205%	0	
15	0		0		0	
16	33,697,535	6.9306% (a)	2,335,441	31.6205%	738,478	Page 10, line 26c
17	2,601,524	10.8244% (a)	281,599	31.6205%	89,043	Page 14, line 16b
Per Guidance Document I. R. Section II.A.1 as well as Application of I. R. to MTO's						
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense					195,731
20	Administrative & General Expense					171,836
21	Transmission Support Expense					41,223
22	Subtotal (line 19+20+21)					408,790
23						0.125
24	Total (line 22 * line 23)					51,099

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

Worksheet 1, Line 20
Worksheet 1, Line 21
Worksheet 1, Line 24

x 45 / 360

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	Transmission Plant		13,507,913		7,316,368	Line 1, Worksheet 5
2	General Plant	6.9306% (a)	731,538	54.1636%	396,227	Page 8B, line 30g less line 29 telecom
3	Total (line 1+2)		14,239,451		7,712,595	
4	<u>Transmission Plant Held for Future Use</u>		0	54.1636%	0	None known
	<u>Transmission Accumulated Depreciation</u>					
5	Transmission Accum. Depreciation		5,521,783	54.1636%	2,990,796	Page 8A, line 31g less Page 16, line 31g
6	General Plant Accum. Depreciation	6.9306% (a)	395,470	54.1636%	214,201	(Page 8B, line 30g less line 29 telecom) less
7	Total (line 5+6)		5,917,253		3,204,997	(Page 17, line 30g less line 29g telecom)
	<u>Transmission Accumulated Deferred Taxes</u>					
8	Accumulated Deferred Taxes (281-283)	10.8244% (c)	0	54.1636%	0	None known
9	Accumulated Deferred Taxes (190)	10.8244% (c)	0	54.1636%	0	None known
10	Total (line 8+9)		0		0	
11	<u>Transmission loss on Reacquired Debt</u>	10.8244% (c)	138,596	54.1636%	75,069	Page 12, line 28b
	<u>Other Regulatory Assets</u>					
12	FAS 106	6.9306% (a)	0	54.1636%	0	None known
13	FAS 109	10.8244% (c)	0	54.1636%	0	None known
14	Other Regulatory Liabilities (254.DK)	10.8244% (c)	0	54.1636%	0	
15	Total (line 12+13+14)		0		0	
16	<u>Transmission Prepayments</u>	6.9306% (a)	2,335,441	54.1636%	1,264,959	Page 10, line 26c
17	<u>Transmission Materials and Supplies</u>	10.8244% (a)	281,599	54.1636%	152,524	Page 14, line 16b
Per Guidance Document I. R. Section II.A.1 as well as Application of I. R. to MTO's						
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				335,274	Worksheet 41a, Line 20
20	Administrative & General Expense				294,341	Worksheet 41a, Line 21
21	Transmission Support Expense				0	Worksheet 41a, Line 24
22	Subtotal (line 19+20+21)				629,615	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				78,702	

(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	Mass DTE AR Reference for col (1)
	<u>Depreciation Expense</u>						
1	Transmission Depreciation	135,496		135,496	31.6205%	42,845	Page 16, line 31d
2	General Depreciation	375,147	6.9306% (a)	26,000	31.6205%	8,221	Page 17, line 30d less line 29 Telecom
3	Total (line 1+2)			161,496		51,066	
4	<u>Amortization of Loss on Reacquired Debt</u>	1,280,403	10.8244% (c)	138,596	31.6205%	43,825	Page 13, line 28d
5	<u>Amortization of Investment Tax Credits</u>	0	10.8244% (c)	0	31.6205%	0	None known
	<u>Property Taxes *</u>						
6	Transmission Property Taxes	313,456		313,456	31.6205%	99,116	See below
7	General Property Taxes	190,325	6.9306% (a)	13,191	31.6205%	4,171	
8	Total (line 6+7)			326,646		103,287	
	<u>Transmission Operation and Maintenance</u>	PER INTERPRETATIVE GUIDANCE DOCUMENT SECTION II.G RULES FOR HGED					
9	Operation and Maintenance	3,152,120		3,152,120	31.6205%	996,716	Page 40, line 50b
10	Transmission of Electricity by Others - #565	2,533,119		2,533,119	31.6205%	800,985	Page 40, line 38b
11	Load Dispatching - #561	0		0	31.6205%	0	Page 40, line 34b
12	**Station Expenses & Rents - #562 / #567	0				0	Page 40, line 35b, 40b only if include Support
13	O&M less lines 10, 11 & 12	619,001		619,001	31.6205%	195,731	
	<u>Transmission Administrative and General</u>						
14	Administrative and General	7,640,123					Page 42, line 7b less line 5b, less pg 41 line 56b telecom
15	less Property Insurance (#924)	382,620					Page 41, line 49b
16	less Regulatory Commission Expenses (#928)	0					Page 41, line 52b
17	less General Advertising Expense (#930.1)	14,044					G/L Acct 913-00 Advertising Expense
18	Subtotal [line 14 minus (15 thru 17)]	7,243,459	6.9306% (a)	502,015	31.6205%	158,740	
19	PLUS Property Insurance alloc. using Plant Allocatior	382,620	10.8244% (c)	41,416	31.6205%	13,096	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	0	10.8244% (c)	0	31.6205%	0	
21	PLUS Trans. Related General Advertising Expense	0	10.8244% (c)	0	31.6205%	0	
22	Total A&G [line 18 plus (19 thru 21)]	7,626,079		543,431		171,836	
23	Payroll Tax Expense	68,982	6.9306% (a)	4,781	31.6205%	1,512	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						
	Federal Unemployment	11,741	G/L Acct 926-05				
	FICA/Medicare	57,241	G/L Acct 926-06				
	MA Unemployment	0					
	MA Universal Health	0					
	Total	68,982	To Line 23				
	* Property Taxes						
	NBV Transmission Plant			7,986,130			Page 16, line 31g
	NBV General Plant			4,849,053			Page 17, line 30g less line 29g telecom
	Local property tax rate - 1st half			38.53			Page 3, line 9 of 2012 DPU State Return
	Local property tax rate - 2nd half			39.97			Page 3, line 9 of 2012 DPU State Return
	** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments.						

(4)

* Property Taxes	NBV Transmission Plant	7,986,130	Page 16, line 31g
	NBV General Plant	4,849,053	Page 17, line 30g
	Local property tax rate - 1st half	38.53	Page 3, line 9 of 2009 DPU State Return
	Local property tax rate - 2nd half	39.97	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	
<u>PTF Transmission Plant Allocation Factor</u>		Holyoke		
		Pre-1997	Post-1996	
1	PTF Transmission Investment	4,271,276	7,316,368	(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	13,507,913	13,507,913	
3	Percent Allocation (Line 1/Line 2)	31.6205%	54.1636%	
<u>Transmission Wages and Salaries Allocation Factor</u>				
4	Direct Transmission Wages and Salaries	483,415		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)	483,415		
7	Total Wages and Salaries	7,857,058		Page 42, line 25 less telecom Wages
8	Administrative and General Wages and Salaries	881,938		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)	6,975,120		
11	Percent Allocation (Line 6/Line 10)	6.9306%		
<u>Plant Allocation Factor</u>				
12	Total Transmission Investment	13,507,913		Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	731,538		Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	14,239,451		
15	Total Plant in Service	131,549,278		Page 8B, line 31g less line 15g, less line 29g telecom
16	Percent Allocation (Line 14 / Line 15)	10.8244%		
(Line #4) Breakdown of Transmission Expenses by FERC #		Expenses (*)	Labor (*)	Total from MDTE AR
	560	27,538	337,992	365,530
	562	34,857	50,214	85,071
	563	1,205	-	1,205
	566	14,965	18,508	33,473
	570	42,498	26,421	68,919
	571-00	7,196	49,311	56,509
	571-01	7,327	969	8,296
			Total	483,415
(*) From General Ledger Trial Balance Report for December 31, 2012 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]		986
	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			1,890
	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			7,185
	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]		17,240
	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		1,335
	115 kV Read - Washington V148 line			
NU	345 kV 363, 369 and 394 Seabrook lines			1,239
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		0
	345 kV Millstone-Manchester 310 line	330.1(n)		11,348
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	41,223

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

Holyoke Gas & Electric Department - 2013 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		Jun-13	North Canal 44P Substation Final Commissioning & Acceptance Testing	In-Service	Not Required	Not Required	\$500,000	16.67855%	\$83,393

2013 Forecasted Transmission Plant Additions = \$83,393

HUDSON PTF SUPPORT PAYMENTS TO OTHERS FOR 2012

	HQ II AC <u>BEC</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	Support and Revenue Requirements <u>Total</u>
Hudson	\$ 550.00	\$ 9,610.00	\$ 4,005.00	\$ 7,221.00	\$ 6,696.00	\$ 3,753.00	\$ 932.00	<u>\$ 32,767.00</u>	\$150,590	<u>\$ 183,357.00</u>

	Municipal Support of the New England PTF for 2012														
		HQ II	HQ II	HQ II	Seabrook	Seabrook				MMWEC's	MMWEC's	MMWEC's	MMWEC's	MMWEC's	
		AC	AC	Chester	Tewksbury	Scobie &	Millstone 3	Wyman 4	Municipal	Seabrook	Seabrook	Seabrook	Total PTF	Total PTF	Support and
				SVC		Newington			Support	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue
		Nstar (BEC)	NEP	NEH	NEP	NU	NU	CMP	Total	Requirements	Requirements	Requirements	Requirements	Requirements	Requirements
										Pre-97	Post-96	Total Share	Pre-97	Post-96	Total
1	Hingham	\$448	\$7,829	\$3,263	\$2,044	\$1,896	\$3,578	\$0	\$19,058	\$11,981	\$30,667	\$42,648	\$31,039	\$30,667	\$61,706
2	Hull	\$133	\$2,332	\$972	\$711	\$660	\$1,352	\$347	\$6,507	\$4,170	\$10,674	\$14,844	\$10,677	\$10,674	\$21,351
3															\$0
4	Pascoag,RI	\$85	\$1,493	\$622	\$461	\$427	\$0	\$0	\$3,088	\$2,702	\$6,915	\$9,617	\$5,790	\$6,915	\$12,705
5															\$0
6	Concord	\$447	\$7,809	\$3,255	\$0	\$0	\$0	\$0	\$11,511	\$0	\$0	\$0	\$11,511	\$0	\$11,511
7	Ashburnham	\$66	\$1,160	\$483	\$281	\$261	\$1,090	\$0	\$3,341	\$1,647	\$4,215	\$5,862	\$4,988	\$4,215	\$9,203
8	Boylston	\$75	\$1,307	\$545	\$366	\$339	\$938	\$143	\$3,713	\$2,145	\$5,491	\$7,636	\$5,858	\$5,491	\$11,349
9	Danvers	\$892	\$15,587	\$6,496	\$4,797	\$4,450	\$9,334	\$0	\$41,556	\$28,123	\$71,984	\$100,107	\$69,679	\$71,984	\$141,663
10	Georgetown	\$86	\$1,506	\$627	\$412	\$383	\$739	\$0	\$3,753	\$2,418	\$6,190	\$8,608	\$6,171	\$6,190	\$12,361
11	Groton,MA	\$99	\$1,723	\$718	\$555	\$515	\$903	\$0	\$4,513	\$3,256	\$8,333	\$11,589	\$7,769	\$8,333	\$16,102
12	Holden	\$274	\$4,798	\$2,000	\$1,712	\$1,588	\$2,580	\$0	\$12,952	\$10,037	\$25,692	\$35,729	\$22,989	\$25,692	\$48,681
13	Ipswich	\$0	\$0	\$0	\$459	\$426	\$2,160	\$0	\$3,045	\$2,693	\$6,893	\$9,586	\$5,738	\$6,893	\$12,631
14	Littleton,MA	\$274	\$4,786	\$1,995	\$471	\$437	\$1,905	\$458	\$10,326	\$2,763	\$7,073	\$9,836	\$13,089	\$7,073	\$20,162
15	Mansfield	\$623	\$10,897	\$4,542	\$3,407	\$3,161	\$5,618	\$0	\$28,248	\$19,976	\$51,131	\$71,107	\$48,224	\$51,131	\$99,355
16	Marblehead	\$316	\$5,529	\$2,304	\$582	\$540	\$5,487	\$767	\$15,525	\$3,414	\$8,738	\$12,152	\$18,939	\$8,738	\$27,677
17	Middleton	\$174	\$3,043	\$1,268	\$1,415	\$1,312	\$1,563	\$278	\$9,053	\$8,294	\$21,230	\$29,524	\$17,347	\$21,230	\$38,577
18	N. Attleboro	\$405	\$7,073	\$2,948	\$1,630	\$1,512	\$6,197	\$458	\$20,223	\$9,556	\$24,460	\$34,016	\$29,779	\$24,460	\$54,239
19	Paxton	\$65	\$1,140	\$475	\$348	\$323	\$1,159	\$0	\$3,510	\$2,042	\$5,227	\$7,269	\$5,552	\$5,227	\$10,779
20	Peabody	\$1,056	\$18,463	\$7,695	\$4,873	\$4,521	\$10,551	\$0	\$47,159	\$28,572	\$73,132	\$101,704	\$75,731	\$73,132	\$148,863
21	Rowley	\$59	\$1,025	\$427	\$0	\$0	\$0	\$0	\$1,511	\$0	\$0	\$0	\$1,511	\$0	\$1,511
22	Shrewsbury	\$601	\$10,507	\$4,379	\$2,482	\$2,303	\$8,256	\$1,145	\$29,673	\$14,553	\$37,250	\$51,803	\$44,226	\$37,250	\$81,476
23	Sterling	\$0	\$0	\$0	\$881	\$817	\$1,044	\$0	\$2,742	\$5,166	\$13,223	\$18,389	\$7,908	\$13,223	\$21,131
24	Templeton	\$203	\$3,556	\$1,482	\$831	\$771	\$2,486	\$0	\$9,329	\$4,871	\$12,469	\$17,340	\$14,200	\$12,469	\$26,669
25	Wakefield	\$464	\$8,111	\$3,380	\$1,669	\$1,548	\$7,304	\$1,208	\$23,684	\$9,785	\$25,045	\$34,830	\$33,469	\$25,045	\$58,514
26	W.Boylston	\$190	\$3,319	\$1,383	\$782	\$726	\$2,813	\$0	\$9,213	\$4,586	\$11,738	\$16,324	\$13,799	\$11,738	\$25,537
27															\$0
28	Chicopee	\$1,173	\$20,501	\$8,544	\$0	\$0	\$0	\$0	\$30,218	\$0	\$0	\$0	\$30,218	\$0	\$30,218
29	S.Hadley	\$431	\$7,534	\$3,140	\$1,471	\$1,365	\$20,452	\$0	\$34,393	\$8,626	\$22,080	\$30,706	\$43,019	\$22,080	\$65,099
30	Westfield	\$942	\$16,465	\$6,862	\$1,572	\$1,458	\$39,555	\$1,993	\$68,847	\$9,215	\$23,588	\$32,803	\$78,062	\$23,588	\$101,650
31															
32	Total Support:	\$9,581	\$167,493	\$69,805	\$34,212	\$31,739	\$137,064	\$6,797	\$456,691	\$200,591	\$513,438	\$714,029	\$657,282	\$513,438	\$1,170,720
	(without Munis who are TOs)														
33	INPUT DATA	366,468	6,406,426	2,670,139	49,992	46,376	170,537	10,076		293,090	750,199	1,043,289			
	Key in from Support Sheets					A									
										Comes from long-form filing					
34	Middleborough	\$397	\$6,938	\$2,892	\$2,171	\$2,014	\$4,010	\$458	\$18,880	\$12,728	\$32,580	\$45,308	\$31,608	\$32,580	\$64,188
35	Holyoke	\$986	\$17,240	\$7,185	\$1,335	\$1,239	\$11,348	\$1,890	\$41,223	\$7,828	\$20,037	\$27,865	\$49,051	\$20,037	\$69,088
36	Reading	\$1,732	\$30,277	\$12,619	\$2,739	\$2,541	\$14,360	\$0	\$64,268	\$16,059	\$41,104	\$57,163	\$80,327	\$41,104	\$121,431
37	Braintree	\$1,149	\$20,091	\$8,374	\$2,645	\$2,453	\$0	\$0	\$34,712	\$15,505	\$39,686	\$55,191	\$50,217	\$39,686	\$89,903
38	Hudson	\$550	\$9,610	\$4,005	\$7,221	\$6,696	\$3,753	\$932	\$32,767	\$42,305	\$108,285	\$150,590	\$75,072	\$108,285	\$183,357
39	Taunton	\$1,322	\$23,114	\$9,634	\$433	\$401	\$0	\$0	\$34,904	\$2,498	\$6,395	\$8,893	\$37,402	\$6,395	\$43,797
	NOTE: Hudson and Tauton have additional shares of Seabrook ownership independent of their MMWEC membership not reflected in the amounts shown above.														

**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, 2013 through May 31, 2014

Revenue Requirements for Test Year:	<u>2012</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>

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Line No.		
Total of Attachment F - Sections A through I	1 <u>293,172</u> Pre-97 WS1, ln 14-22	<u>682,000</u> Post-96 WS1, ln 14-2
Total of Attachment F - Section J - Support Revenue	2 <u>0</u> Pre-97 WS1, ln 23	<u>0</u> Post-96 WS1, ln 23
Total of Attachment F - Section K - Support Expense	3 <u>0</u> Pre-97 WS1, ln 24	<u>0</u> Post-96 WS1, ln 24
Total of Attachment F - Section (L through O)	4 <u>(82)</u> Pre-97 WS1, ln 27	<u>(190)</u> Post-96 WS1, ln 27
Sub Total - Sum (A through I) - J + K + (L through O)	5 <u>293,090</u> Sum of above	<u>681,811</u> Sum of above
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	6 <u>N/A</u>	<u>\$68,388</u> Post-96 WS8, ln. 3
Annual True-up (per Attachment C to Attachment F Implementation Rule)	7 <u>\$ -</u> TU WS4, line 16	<u>\$ -</u> TU WS4, line 16
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	8 <u>\$ 293,090</u> lns. 5+6+7	<u>\$750,199</u> lns. 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)

\$1,043,289 Sum of lines 8 Pre-97 & Post-96 above

**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.		Attachment F Reference	Pre-'97	Reference
	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	2,322,713	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)		2,322,713	
5	Accumulated Depreciation	(A)(1)(d)	489,581	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)		1,833,132	
10	Prepayments	(A)(1)(h)	717	Pre-97 WS3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	34,956	Pre-97 WS3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	7,405	Pre-97 WS3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		1,876,210	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	150,097	Pre-97 WS2
15	Depreciation Expense	(B)	46,722	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)	36,376	Pre-97 WS4, line 9 column 5
19	Payroll Tax Expense	(F)	738	Pre-97 WS4, line 33 column 5
20	Operation & Maintenance Expense	(G)	55,461	Pre-97 WS4, line 14 column 5
21	Administrative & General Expense	(H)	3,778	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)	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)	(82)	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)		293,090	

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

	CAPITALIZATION 12/31/12	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
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 =
$$\frac{\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{0.0800 + (0 + 0) / \$ 1,876,210}{1} \right) \times 0}$$

= 0.0000000

(c) State Income Tax =
$$\frac{\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) + \text{Federal Income Tax}}{\left(\frac{0.0800 + (0 + 0) / 1,876,210}{1} \right) + 0.0000000} \times \text{State Income Tax Rate}$$

= 0.0000000

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

(PTF)

INVESTMENT BASE \$ 1,876,210 From Pre-97 WS1, line 13

x Cost of Capital Rate 0.0800000

= Investment Return and Income Taxes 150,097 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	2,322,713	Directly Assigned	2,322,713	Directly Assigned	2,322,713	Post-96 WS 5, line 4
2	0	0.4408%	0	61.2136%	0	
3	Total (line 1+2)				2,322,713	
4	NA		NA		0	
<u>Transmission Accumulated Depreciation</u>						
5	1,860,541	Directly Assigned	1,860,541	26.3139%	489,581	From Plant Data Support 1
6	0		0		0	
7	Total (line 5+6)				489,581	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	Directly Assigned	0	Directly Assigned	0	
9	0		0		0	
10	Total (line 8+9)				0	
11	0		0		0	
<u>Other Regulatory Assets</u>						
12	0		0		0	
13	0		0		0	
14	0		0		0	
15	Total (line 12+13+14)				0	
16	618,118	0.4408%	2,725	26.3139%	717	
17	7,002,850	1.8970%	132,844	26.3139%	34,956	
<u>Cash Working Capital</u>						
18						From MMWEC Accounting
19	Operation & Maintenance Expense				55,461	
20	Administrative & General Expense				3,778	
21	Transmission Support Expense				0	From MMWEC Accounting x 45 / 360
22	Subtotal (line 19+20+21)				59,239	
23					0.125	
24	Total (line 22 * line 23)				7,405	

Pre-'97 ATRR

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	Transmission Depreciation - Pre-'97 PTF	177,558	Directly Assigned	177,558	26.3139%	46,722	Plant Data Su
2	General Depreciation	0	0.4408%	0	26.3139%	0	
3	Total (line 1+2)					46,722	
4	<u>Amortization of Loss on Reacquired Debt</u>	0		0		0	
5	<u>Amortization of Investment Tax Credits</u>	0		0		0	
	<u>Property Taxes</u>						
7	Transmission Property Taxes	138,239	Directly Assignm (c)	138,239	26.3139% (a)	36,376	MMWEC Acco
8	General Property Taxes	0		0		0	
9	Total (line 7+8)	138,239				36,376	
	<u>Transmission Operation and Maintenance</u>						
10	Operation and Maintenance (Directly Assigned to Transmission; Allocated to PTF)	210,766	Directly Assigned	210,766	26.3139% (a)	55,461	MMWEC Acco
11	Transmission of Electricity by Others (#565)	0		0		0	
12	Load Dispatching (#561)	0		0		0	
13	Station Expenses & Rents (#562 / #567)	0		0		0	
14	Total lines: 10, 11, 12 & 13	210,766				55,461	
	<u>Transmission Administrative and General</u>						
20	Administrative and General	2,493,709					MMWEC Acco
21	less Property Insurance (#924)	231,107					MMWEC Acco
22	less Regulatory Commission Expenses (#928)	0					0
23	less General Advertising Expense (#930.1)	0					
24	Subtotal [line 20 minus (21 thru 23)]	2,262,602	0.4408% (b)	9,974	26.3139% (a)	2,625	
26	PLUS Property Insurance	231,107	1.8970% (c)	4,384	26.3139% (a)	1,154	MMWEC Acco
28	PLUS Regulatory Comm. Exp.: FERC Assessments	0		0	26.3139% (a)	0	0
29	PLUS Trans. Related General Advertising Expense	0		0		0	
30	Total A&G [line 20 plus (26 thru 29)]	2,493,709				3,778	
33	Payroll Tax Expense - Transmission Related Total	635,826	0.4408% (b)	2,803	26.3139% (a)	738	MMWEC Acco

MMWEC SEABROOK PTF ATRR
Pre 97 Worksheet 4
Page 5 of 20

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)	2,322,713	From Data Support 1 worksheet
2	Total Transmission Investment	8,826,936	From Data Support 1 worksheet
3	Percent Allocation (Line 1/Line 2)	26.3139%	Line 1 / line 2
	<u>PTF/HTF Transmission Plant Allocation Factor</u>		
4	PTF Transmission Investment (Post-1996)	5,403,284	From Data Support 1 worksheet
5	Total Transmission Investment	8,826,936	From Data Support 1 worksheet
6	Percent Allocation (Line 4/Line 5)	61.2136%	Line 4 / line 5
	<u>Transmission Wages and Salaries Allocation Factor</u>		
7	Direct Transmission Wages and Salaries	33,113	From MMWEC Accounting Data
8	Affiliated Company Transmission Wages and Salaries	0	
9	Total Transmission Wages and Salaries (Line 7 + Line 8)	33,113	Sum Lines 7 + 8
10	Total Wages and Salaries	7,624,371	From MMWEC Accounting Data
11	Administrative and General Wages and Salaries	113,085	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)	7,511,286	Sum Lines 10 + 11 + 12
14	Percent Allocation (Line 9/Line 13)	0.44084%	Line 9 / Line 13
	<u>Plant Allocation Factor</u>		
15	Total Transmission Investment	8,826,936	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)	8,826,936	Sum Lines 15 + 16
18	Total Plant in Service	465,317,011	From Data Support 1 worksheet
19	Percent Allocation (Line 17 / Line 18)	1.8970%	Line 17 / Line 18
	<u>Pre-1997 and Post 1996 Transmission Plant</u>		
20	PTF PRE 1997 Transmission Investment	2,322,713	From Data Support 1 worksheet
21	PTF POST 1996 Transmission Investment	5,403,284	From Data Support 1 worksheet
22	Total PTF Transmission Plant (Line 20+21)	7,725,996	Sum Lines 20 + 21
23	Percentage PTF PRE 1997 Transmission Investment (Line 20 / 22)	30.0636%	Line 20 / Line 22
24	Percentage PTF POST 1996 Transmission Investment (Line 21 / 22)	69.9364%	Line 21 / Line 22
25	Total PTF Transmission Plant Percentage (Line 23 + 24)	100.0000%	Sum Lines 23 + 24
Notes			From Data Support 1 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

Affiliated Company Wages and Salaries

Shading denotes an input

Line	MMWEC
"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
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.

Shading denotes an input			NHT		
Participant	PTF Supporting Facilities	FERC Form 1	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.	(a) Revenue Source	(b) Total Amount	Reference
1	TOUT Revenues	\$271	ISO-NE
2	Post-96 PTF Plant Allocator	69.9%	Post-96 WS5, line 24
3	Pre-97 PTF Plant Allocator	30.1%	Post-96 WS5, line 23
4	Post-96 Revenues	\$190	Line 1 x Line 2
5	Pre-97 Revenues	\$82	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

Line No.		Attachment F	MMWEC	Reference
		Reference		
	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	5,403,284	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)		5,403,284	
5	Accumulated Depreciation	(A)(1)(d)	1,138,904	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)		4,264,380	
10	Prepayments	(A)(1)(h)	1,668	Post-96 WS 3, line 19, column 5
11	Materials & Supplies	(A)(1)(i)	81,319	Post-96 WS 3, line 20, column 5
12	Cash Working Capital	(A)(1)(j)	17,226	Post-96 WS 3, line 27, column 5
13	Total Investment Base (Line 9+10+11+12)		4,364,593	
	II. <u>REVENUE REQUIREMENTS</u>			
14	Investment Return and Income Taxes (Post-'96 / Pre-'04 Investments)	(A)	349,167	Post-96 WS2
15	Incentive Investment Return and Income Taxes (Eligible Investments)	(A)	0	Post-96 WS2A
16	Depreciation Expense	(B)	108,689	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)	84,621	Post-96 WS4, line 9 column 5
20	Payroll Tax Expense	(F)	1,716	Post-96 WS4, line 32 column 5
21	Operation & Maintenance Expense	(G)	129,017	Post-96 WS4, line 14 column 5
22	Administrative & General Expense	(H)	8,790	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)	(190)	Post-96 WS9, line 7 column b
29	Transmission Rents Received from Electric Property	(O)	0	NA
30				
31	Total Post-'96 Revenue Requirements (Line 14 thru 29)		681,811	

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 12/31/11	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. II.A.2 FOR AN MTO

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

=
$$\left(\frac{0.0800 + \left(\frac{0 + 0}{4,364,593} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

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

=
$$\left(\frac{0.0800 + \left(\frac{0 + 0}{4,364,593} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

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

(PTF)

INVESTMENT BASE \$ 4,364,593 From Post-96 WS 1, line 13

x Cost of Capital Rate 0.0800000

= Investment Return and Income Taxes 349,167 To Post-96 WS 1, 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

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	5,403,284	Directly Assigned	5,403,284	Directly Assigned	5,403,284	Post-96 WS 5, line 4
2	0	0.4408%	0	61.2136%	0	
3	5,403,284				5,403,284	
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	1,860,541	Directly Assigned	1,860,541	61.2136%	1,138,904	From Plant Data Support 1
7	0	Directly Assigned	0	Directly Assigned	0	
8					1,138,904	
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	
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	
19	618,118	0.4408%	2,725	61.2136%	1,668	From MMWEC Accounting
20	7,002,850	1.8970%	132,844	61.2136%	81,319	From MMWEC Accounting
<u>Cash Working Capital</u>						
22					129,017	Post-96 WS 1, Line 21
23					8,790	Post-96 WS 1, Line 22
24					0	Post-96 WS 7
25					137,807	
26					0.125	x 45 / 360
27					17,226	

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	177,558	Directly Assigned	177,558	61.2136%	108,689	Plant Data Support 1 worksheet
2	0	0.4408%	0	61.2136%	0	
3					108,689	
4	0		0		0	
5	0		0		0	
<u>Property Taxes</u>						
7	138,239	Directly Assigned	138,239	61.2136% (a)	84,621	MMWEC Accounting Data
8	0		0		0	
9	138,239				84,621	
<u>Transmission Operation and Maintenance</u>						
10	210,766	Directly Assigned (c)	210,766	61.2136% (a)	129,017	MMWEC Accounting Data
11	0		0		0	
12	0		0		0	
13	0		0		0	
14	210,766				129,017	
<u>Transmission Administrative and General</u>						
15	2,493,709					MMWEC Accounting Data
16	231,107					MMWEC Accounting Data
17	0					
18	0					
19	2,262,602	0.4408% (b)	9,974	61.2136% (a)	6,106	
25	231,107	1.8970%	4,384	61.2136% (a)	2,684	MMWEC Accounting Data
26	0	1.8970%	0	61.2136% (a)	0	
27	0		0		0	
28	2,493,709		0	61.2136% (a)	8,790	
32	635,826	0.4408% (b)	2,803	61.2136% (a)	1,716	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)	2,322,713	From Data Support 1 worksheet
2	Total Transmission Investment	8,826,936	From Data Support 1 worksheet
3	Percent Allocation	26.3139%	Line 1 / line 2
	<u>PTF/HTF Transmission Plant Allocation Factor</u>		
4	PTF Transmission Investment (Post-1996)	5,403,284	From Data Support 1 worksheet
5	Total Transmission Investment	8,826,936	From Data Support 1 worksheet
6	Percent Allocation	61.2136%	Line 4 / line 5
	<u>Transmission Wages and Salaries Allocation Factor</u>		
7	Direct Transmission Wages and Salaries	33,113	From MMWEC Accounting Data
8	Affiliated Company Transmission Wages and Salaries	0	
9	Total Transmission Wages and Salaries	33,113	Sum Lines 7 + 8
10	Total Wages and Salaries	7,624,371	From MMWEC Accounting Data
11	Administrative and General Wages and Salaries	113,085	From MMWEC Accounting Data
12	Affiliated Company Wages and Salaries less A&G	0	
13	Total Wages and Salaries net of A&G	7,511,286	Sum Lines 10 + 11 + 12
14	Percent Allocation	0.4408%	Line 9 / Line 13
	<u>Plant Allocation Factor</u>		
15	Total Transmission Investment	8,826,936	From Data Support 1 worksheet
16	plus Transmission-Related General Plant	0	
17	Total Transmission Related Investment	8,826,936	Sum Lines 15 + 16
18	Total Plant in Service	465,317,011	From Data Support 1 worksheet
19	Percent Allocation	1.8970%	Line 17 / Line 18
	<u>Pre-1997 and Post 1996 Transmission Plant</u>		
20	PTF PRE 1997 Transmission Investment	2,322,713	From Data Support 1 worksheet
21	PTF POST 1996 Transmission Investment	5,403,284	From Data Support 1 worksheet
22	Total PTF Transmission Plant	7,725,996	Sum Lines 20 + 21
23	Percentage PTF PRE 1997 Transmission Investment	30.0636%	Line 20 / Line 22
24	Percentage PTF POST 1996 Transmission Investment	69.9364%	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

Line	MMWEC
"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
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 0
 (To Post-96 WS3, Line 24, Column 5)

**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

Shading denotes an input

I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS		Period	Attachment F Reference Section:	MMWEC	Reference
Line No.					
1	Forecasted Transmission Plant Additions	2013	Appendix C	\$541,821	Note 1
2	Carrying Charge Factor		Appendix C	12.62%	Line 15
3	Total Forecasted Revenue Requirements (Lines 1*2)			\$68,388	Line 1 x Line 2
II. CARRYING CHARGE FACTOR					
4	Investment Return and Income Taxes (Post-'96 / Pre-'04 Investments)		(A)	\$349,167	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)	108,689	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)	84,621	Post-96, WS 1, line 19
10	Payroll Tax Expense		(F)	1,716	Post-96, WS 1, line 20
11	Operation & Maintenance Expense		(G)	129,017	Post-96, WS 1, line 21
12	Administrative & General Expense		(H)	8,790	Post-96, WS 1, line 22
13	Total Expenses (Lines 4 thru 12)			\$682,000	Sum lines 4 thru 12
14	PTF Transmission Plant		(A)(1)(a)	\$5,403,284	Post-96, WS 1, line 4
15	Carrying Charge Factor (Lines 13/14)			12.62%	Line 13 / Line 15

Note:

Forecast Plant Addition includes following projects expected to be placed in service / closed to books by 12/31/13 Per NHT:

1	Replace 394 Terminal Equipment in transition yard	\$	155,514
2	Replace NHT High Pot Test Set		108,459
3	Microwave to Fiber Network Installation NHT to PSNH		58,671
4	Replace 369 Line Tuner Unit-Coupling Cap		43,165
5	Replace 369 Line Tuner Unit-Coupling Cap		43,100
6	Replace 369 Line Tuner Unit-Coupling Cap		42,495
7	Replace (3) Wave Traps		33,481
8	Repair bridge covering GIS Bus work trench in protected area		26,674
9	Replacement of terminal yard equipment (3) lines		25,663
10	ROHE Monitoring System on GIS		4,599

Total Forecast Capital Additions 541,821

**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	\$271	NHT Accounting
2	Post-96 PTF Plant Allocator	69.9%	Post-96 WS5, line 24
3	Pre-97 PTF Plant Allocator	30.1%	Post-96 WS5, line 23
4	Post-96 Revenues	\$190	Line 1 x Line 2
5	Pre-97 Revenues	\$82	Line 1 x Line 3

FERC
ACTUAL
BILL CODES

Seabrook transmission plant in service

MMWEC Books		DEC 2012	NOV 2012	OCT 2012	SEP 2012	AUG 2012	JUL 2012	JUN 2012	MAY 2012	APR 2012	MAR 2012	FEB 2012	JAN 2012	YEAR 2012
100SE	3530S0	121,021.59	121,021.59	118,388.08	117,864.77	117,864.77	117,864.77	117,864.77	117,481.46	117,481.46	116,839.59	112,723.93	112,723.93	
100SE	3530SR	(7,282.31)	(7,282.31)	(7,282.31)	(7,282.31)	(7,218.99)	(7,218.99)	(7,218.99)	(7,218.99)	(7,218.99)	(6,861.91)	(6,861.91)	(6,808.22)	
400P	3530S0	3,204,467.02	3,204,467.02	3,134,363.86	3,120,433.45	3,120,433.45	3,120,433.45	3,120,433.45	3,110,229.97	3,110,229.97	3,110,229.97	3,000,672.57	3,000,672.57	
400P	3530SR	(194,346.94)	(194,346.94)	(194,346.94)	(194,346.94)	(182,861.37)	(182,861.37)	(182,861.37)	(182,861.37)	(182,861.37)	(182,861.37)	(182,861.37)	(181,232.19)	
500P	3530S0	815,430.35	815,430.35	797,686.04	794,160.01	794,160.01	794,160.01	794,160.01	791,577.34	791,577.34	787,252.51	759,521.66	759,521.66	
500P	3530SR	(48,705.59)	(48,705.59)	(48,705.59)	(48,705.59)	(48,278.94)	(48,278.94)	(48,278.94)	(48,278.94)	(48,278.94)	(45,872.98)	(45,872.98)	(45,511.23)	
800	3530S0	4,461,765.91	4,461,765.91	4,364,674.89	4,345,381.64	4,345,381.64	4,345,381.64	4,345,381.64	4,331,250.10	4,331,250.10	4,307,586.07	4,155,851.98	4,155,851.98	
800	3530SR	(269,480.23)	(269,480.23)	(269,480.23)	(269,480.23)	(266,145.77)	(266,145.77)	(266,145.77)	(266,145.77)	(266,145.77)	(262,981.14)	(262,981.14)	(251,001.76)	
	subtotal	8,093,869.80	8,093,869.80	7,906,297.80	7,869,024.80	7,873,534.80	7,873,534.80	7,873,534.80	7,846,233.80	7,846,233.80	7,833,530.74	7,540,392.74	7,544,216.74	
Remove Seabrook Site portion of switchyard upgrade (N-0989 -Prj 52)		1,170,836.21	1,170,836.21	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	
subtotal (excludes MMWECs share of Seabrook Site portion (\$10 M) of Switchyard upgrade project)		6,923,033.59	6,923,033.59	6,739,503.27	6,702,230.27	6,706,740.27	6,706,740.27	6,706,740.27	6,679,439.27	6,679,439.27	6,666,736.21	6,373,598.21	6,377,422.21	
change		0.00	183,530.32	37,273.00	(4,510.00)	0.00	0.00	27,301.00	0.00	12,703.06	293,138.00	(3,824.00)	(3,462.25)	542,149.13
switchyard upgrade-NHT		6,411,880.58	6,283,107.55	6,283,107.55	6,283,107.55	6,283,107.55	6,283,107.55	6,283,107.55	6,283,107.55	6,283,107.55	6,283,107.55	6,283,107.55	6,283,107.55	
switchyard upgrade-(N-0989-Prj 52)		1,170,836.21	1,170,836.21	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	1,166,794.53	
Total Switchyard upgrade project		7,582,716.80	7,453,943.77	7,449,902.08	7,449,902.08	7,449,902.08	7,449,902.08	7,449,902.08	7,449,902.08	7,449,902.08	7,449,902.08	7,449,902.08	7,449,902.08	
change		128,773.03	4,041.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remove % of Switchyard proj directly assigned to generation (48.3725% 2012-2010; 37.6627% 2009)		(3,667,949.68)	(3,605,658.95)	(3,603,703.89)	(3,603,703.89)	(3,603,703.89)	(3,603,703.89)	(3,603,703.89)	(3,603,703.89)	(3,603,703.89)	(3,603,703.89)	(3,603,703.89)	(3,603,703.89)	
Remove GSU		(2,229,485.31)	(2,229,485.31)	(2,229,485.31)	(2,229,485.31)	(2,229,485.31)	(2,229,485.31)	(2,229,485.31)	(2,229,485.31)	(2,229,485.31)	(2,229,485.31)	(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	218,620.32	218,620.32	218,620.32	218,620.32	218,620.32	218,620.32	218,620.32	218,620.32	218,620.32	218,620.32	
Total Trans plant in service		8,826,935.71	8,760,453.42	8,574,836.48	8,537,563.48	8,542,073.48	8,542,073.48	8,542,073.48	8,514,772.48	8,514,772.48	8,502,069.42	8,208,931.42	8,212,755.42	
Total Plant In Service includes GSU and 100% of switchyard upgrade costs		471,214,445.53	469,284,546.07	468,921,925.67	463,776,032.19	466,218,616.77	465,952,433.48	465,878,995.82	465,877,215.17	465,813,379.71	465,796,819.77	465,794,194.77	465,795,861.77	
% of Trans Plant to Total Plant (incl NHT)		1.873231%	1.866768%	1.828628%	1.840881%	1.832203%	1.833250%	1.833539%	1.827686%	1.827936%	1.825274%	1.762352%	1.763166%	
Total Plant In Service excludes GSU and % of switchyard project directly assigned to generation		465,317,010.54	463,449,401.81	463,088,736.47	457,942,842.99	460,385,427.57	460,119,244.28	460,045,806.62	460,044,025.97	459,980,190.51	459,963,630.57	459,961,005.57	459,962,672.57	
% of Trans Plant to Total Plant (incl NHT)		1.896972%	1.890272%	1.851662%	1.864329%	1.855418%	1.856491%	1.856788%	1.850960%	1.851117%	1.848422%	1.784702%	1.785527%	
Transmission plant in service														
Monthly depreciation- calculated using prior month balances		15,436.05	15,021.72	14,938.71	14,948.73	14,948.73	14,948.73	14,888.46	14,888.46	14,860.55	14,217.70	14,226.07	14,233.63	177,557.54
Transmission plant in service														
Accumulated depreciation		1,860,540.74	1,845,104.70	1,830,082.97	1,815,144.26	1,800,195.53	1,785,246.80	1,770,298.07	1,755,409.60	1,740,521.14	1,725,660.59	1,711,442.89	1,697,216.83	
Net Transmission Plant In Service		6,966,394.97	6,915,348.72	6,744,753.51	6,722,419.22	6,741,877.95	6,756,826.68	6,771,775.41	6,759,362.87	6,774,251.34	6,776,408.83	6,497,488.52	6,515,538.59	
PTF alloc factor		0.896062	0.896062	0.896062	0.896062	0.896062	0.896062	0.896062	0.896062	0.896062	0.896062	0.896062	0.896062	
Net Transmission Plant In Service - PTF		6,242,321.81	6,196,581.20	6,043,717.32	6,023,704.41	6,041,140.64	6,054,535.63	6,067,930.62	6,056,808.22	6,070,149.20	6,072,082.44	5,822,152.56	5,838,326.54	
Monthly Depreciation - PTF		13,831.65	13,460.39	13,386.01	13,394.99	13,394.99	13,394.99	13,340.99	13,340.99	13,315.97	12,739.94	12,747.44	12,754.21	
Retrieved from Essbase see brown highlighted tabs														
# of Months off Depreciation schedules		448	449	450	451	452	453	454	455	456	457	458	459	
PTF Allocation Factor per NHT Records		87.5275%												
PTF Transmission Plant In-Service		7,725,996												
Pre-97 Factor per NHT		30.0636%												
Pre-97 PTF Transmission Plant In-Service		2,322,712.58												
Post-96 PTF Factor per NHT		69.9364%												
Post-97 PTF Transmission Plant In-Service		5,403,283.57												

	Assets	MMWEC Accounting	Notes
ELECTRIC UTILITY PLAN:			
Transmission Plant in service		\$ 8,826,936	MMWEC's Share of Total Seabrook Substation
Held for Future Use		-	
Electric Plant In Service Subcategory:			
Seabrook Substation Pool-Supported PTF Plant		\$ 7,725,996	Based on NHT's percentage of Pool-Supported Seabrook Substation PTF
Seabrook Substation not Pool-Supported PTF		1,100,940	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)		\$ 8,826,936	
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		\$ 1,860,541	From MMEC Accounting
Accumulated Provision for Depreciation Subfunctional Category:			
Seabrook Substation Pool-Supported PTF Plant Related		\$ 1,628,485	Based on NHT's percentage of Pool-Supported Seabrook Substation PTF
Seabrook Substation not Pool-Supported PTF Plant Related		232,056	Based on NHT's percentage of Pool-Supported Seabrook Substation PTF
General Plant Related		-	From MMWEC Accounting and NHT Percentage of Seabrook Substation Pool-Supported PTF
Total Accumulated Provision		\$ 1,860,541	
EXPENSES			
<u>Depreciation Expense</u>			
Total Transmission - Seabrook Substation		177,558	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		155,412	Based on NHT's percentage of Pool-Supported Seabrook Substation PTF
Seabrook Substation not Pool-Supported PTF Plant Related		22,146	
General Plant Related		-	Omitted due to lack of detail to determine General Plant Related Accumulated Depreciation Reserve
		\$ 177,558	
<u>O & M Expense</u>			
O&M excluding Transmission Support Payments		210,766	SUBSTATION ONLY
Transmission Support Payments		94,602	
<u>A & G Expense</u>			
Property Insurance Expense		\$ 231,107	
Regulatory Commission Expense		-	
Other A&G Expenses		2,262,602	
Total Administrative and General Expenses		\$ 2,493,709	
Transmission Wages and Salaries		33,113	
Administrative and General Wages and Salaries		113,085	
Total Wages and Salaries		\$ 7,624,371	
<u>Other</u>			
Prepayments		\$ 618,118	
Materials and Supplies		\$ 7,002,850	
FERC Account			
165	Prepayments	618,118	
408.1	Taxes Other than Income Taxes - Payroll Taxes	635,826	
408.1	Taxes Other than Income Taxes - Property Taxes	138,239	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	94,602	
570	Total O&M excluding Support Payments	210,766	SUBSTATION ONLY
920	Administrative and General Salaries	113,085	
921	A&G - Seabrook Station A&G Salaries	113,085	
922	A&G Office Supplies and Expenses	7,267	
923	Outside Services	(2,667)	
924	Property Insurance	231,107	
925	Injuries and Damages	197,008	
926	Employee Pension and Benefits	1,947,909	
928	Regulatory Commission Expense	-	
930.1	General Advertising Expense	-	
930.2	Misc. General	-	

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

Submitted on:	May 13, 2013
Revenue Requirements for (test year):	Calendar Year 2012
Rates Effective for the period:	June 1, 2013
through:	May 31, 2014
Customer:	MEPCO
Customer's NABs Number:	
Name of Participant responsible for customer's billing:	CMP
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	\$ 1,748,259 (a)	\$ 676,171 (f)
Total of Attachment F - Section J - Support Revenue	- (b)	- (g)
Total of Attachment F - Section K - Support Expense	- (c)	- (h)
Total of Attachment F - Section (L through P)	(3,071,799) (d)	(1,188,074) (i)
Sub Total - Sum (A through I) - J + K + (L through P)	(1,323,540) (e)=(a)-(b)+(c)+(d)	(511,903) (j)
Forecasted Transmission Revenue Requirements (per Appendix C to Attachment F Implementation Rule)		416,991 (k)
Annual True-up (per Appendix C to Attachment F Implementation Rule)	- (l)	- (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	\$ (1,323,540) (n)=(e)+(l)	\$ (94,912) (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>\$ (1,418,452) (p) = (n)+(o)</u>	

**MAINE ELECTRIC POWER COMPANY
RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

		Attachment F	TOTAL	POST 96	PRE-97	
		Reference	MEPCO			Reference
Line No.	I. INVESTMENT BASE	Section:				
1	Transmission Plant	(A)(1)(a)	\$ 29,192,600	\$ 8,141,786	\$ 21,050,814	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	1,243,317	346,760	896,557	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	-	-	-	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		30,435,917	8,488,545	21,947,372	
5	Accumulated Depreciation	(A)(1)(d)	(24,130,521)	(6,729,977)	(17,400,544)	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(301,357)	(84,048)	(217,309)	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	-	-	-	Worksheet 3, line 11 column 5
8	Other Regulatory Assets/(Liabilities)	(A)(1)(g)	(578,529)	(161,351)	(417,178)	Worksheet 3, line 15 column 5
9	Net Investment (Line 4+5+6+7+8)		5,425,510	1,513,169	3,912,341	
10	Prepayments	(A)(1)(h)	446,726	124,591	322,135	Worksheet 3, line 16 column 5
11	Materials & Supplies	(A)(1)(i)	-	-	-	Worksheet 3, line 17 column 5
12	Cash Working Capital	(A)(1)(j)	78,969	22,024	56,945	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		\$ 5,951,205	\$ 1,659,784	\$ 4,291,421	
II. REVENUE REQUIREMENTS						
14	Investment Return and Income Taxes	(A)	\$ 1,170,224	\$ 326,374	\$ 843,850	Worksheet 2
15	Depreciation Expense	(B)	264,216	73,690	190,526	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)	358,237	99,912	258,325	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	-	-	-	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	537,709	149,966	387,743	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	94,044	26,229	67,815	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	-	-	-	
23	Transmission Support Revenue	(J)	-	-	-	
24	Transmission Support Expense	(K)	-	-	-	
25	Transmission Related Expense from Generators	(L)	-	-	-	
26	Transmission Related Taxes and Fees Charge	(M)	-	-	-	
27	Revenue for Trans. Service Under ISO Tariff	(N)	(3,058,388)	(852,981)	(2,205,407)	FFI p450 notes for p328 7.m.
28	Transmission Rents Received from Electric Property	(O)	(246,610)	(68,779)	(177,831)	FF I p.300.19.b
28	MGTSA Revenue	(P)	(954,875)	(266,314)	(688,561)	FF I p.330.1-5.n
29	Total Revenue Requirements (Line 14 thru 28)		\$ (1,835,443)	\$ (511,903)	\$ (1,323,540)	

**MAINE ELECTRIC POWER COMPANY
RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

	CAPITALIZATION <u>12/31/2012</u>		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ -		0.00%	0.00%	0.00%	
PREFERRED STOCK	-		0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	<u>9,195,840</u>	FF1.112.16.c	<u>100.00%</u>	11.64%	<u>11.64%</u>	<u>11.64%</u>
TOTAL INVESTMENT RETURN	<u><u>9,195,840</u></u>		<u><u>100.00%</u></u>		<u><u>11.64%</u></u>	<u><u>11.64%</u></u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.1164

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

= ($\frac{0.1164 + \left(\frac{- + -}{5,951,205} \right)}{1}$) x $\frac{35\%}{0.35}$)

= 0.0626769

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

= ($\frac{0.1164 + \left(\frac{- + -}{5,951,205} \right)}{1}$) + $\frac{0.0626769}{0.0893}$) * 8.93%

= 0.0175596

(a)+(b)+(c) **Cost of Capital Rate** = 0.1966365

	<u>(PTF)</u>	
INVESTMENT BASE	5,951,205	From Worksheet 1
x Cost of Capital Rate	0.1966365	
= Investment Return and Income Taxes	<u>\$ 1,170,224</u>	To Worksheet 1

**MAINE ELECTRIC POWER COMPANY
RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

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 I Reference for col (1)
<u>Transmission Plant</u>						
1	\$ 29,192,600		\$ 29,192,600		\$ 29,192,600	207.58.g
2	1,243,317	100.0000% (a)	1,243,317	100.0000%	1,243,317	207.99.g
3	<u>30,435,917</u>		<u>30,435,917</u>		<u>30,435,917</u>	
4	-		-	100.0000%	-	
<u>Transmission Accumulated Depreciation</u>						
5	(22,887,827)		(22,887,827)	100.0000%	(22,887,827)	219.25.b
6	(1,242,694)	100.0000% (a)	(1,242,694)	100.0000%	(1,242,694)	219.28.b
7	<u>(24,130,521)</u>		<u>(24,130,521)</u>		<u>(24,130,521)</u>	
<u>Transmission Accumulated Deferred Taxes</u>						
8	(510,057)	99.8786% (c)	(509,438)	100.0000%	(509,438)	275.9.k + 277.19.k
9	208,334	99.8786% (c)	208,081	100.0000%	208,081	234.8.c
10	<u>(301,723)</u>		<u>(301,357)</u>		<u>(301,357)</u>	
11	-	99.8786% (c)	-	100.0000%	-	
<u>Other Regulatory Assets/(Liabilities)</u>						
12	-	100.0000% (a)	-	100.0000%	-	
13	(579,232)	99.8786% (c)	(578,529)	100.0000%	(578,529)	113.60.c
14	-	99.8786% (c)	-	100.0000%	-	
15	<u>(579,232)</u>		<u>(578,529)</u>		<u>(578,529)</u>	
16	<u>\$ 446,726</u>	100.0000% (a)	<u>\$ 446,726</u>	100.0000%	<u>446,726</u>	111.57.c
17	-	99.8786% (c)	-	100.0000%	-	
<u>Cash Working Capital</u>						
18						
19					537,709	Worksheet 1, Line 20
20					94,044	Worksheet 1, Line 21
21					-	Worksheet 1, Line 24
22					631,753	
23					0.125	x 45 / 360
24					<u>\$ 78,969</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

**MAINE ELECTRIC POWER COMPANY
RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

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 I Reference for col (1)
	Depreciation Expense					
1	\$ 254,287		\$ 254,287	100.0000%	\$ 254,287	336.7.f
2	9,929	100.0000% (a)	9,929	100.0000%	9,929	336.10.f
3	<u>264,216</u>		<u>264,216</u>		<u>264,216</u>	
4	<u>-</u>	99.8786% (c)	<u>-</u>	100.0000%	<u>-</u>	
5	<u>-</u>	99.8786% (c)	<u>-</u>	100.0000%	<u>-</u>	
	Property Taxes *					
6	358,672	0.998786	358,237	100.0000%	358,237	263.5i
7	-	100.0000% (a)	-	100.0000%	-	
8	<u>-</u>		<u>358,237</u>		<u>358,237</u>	
	Transmission Operation and Maintenance					
9	732,079		732,079	100.0000%	732,079	321.112.b
10	-		-	100.0000%	-	
11	194,370		194,370	100.0000%	194,370	321.85b+86b
12	-		-	100.0000%	-	
13	<u>537,709</u>		<u>537,709</u>	100.0000%	<u>537,709</u>	
	Transmission Administrative and General					
14	94,055					323.194.b
15	8,995					323.185.b
16	17,696					323.189.b
17	-					
18	67,364	100.0000% (a)	67,364	100.0000%	67,364	
19	8,995	99.8786% (c)	8,984	100.0000%	8,984	323.185.b
20	17,696	100.0000%	17,696	100.0000%	17,696	323.189.b
21	-	99.8786% (c)	-	100.0000%	-	
22	<u>\$ 94,055</u>		<u>\$ 94,044</u>		<u>\$ 94,044</u>	
23	<u>-</u>	100.0000% (a)	<u>-</u>	100.0000%	<u>-</u>	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

**MAINE ELECTRIC POWER COMPANY
RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

Line No.			Reference
	<u>PTF Transmission Plant Allocation Factor</u>	<u>MEPCO</u>	
1	PTF Transmission Investment	\$ 29,192,600	207.58.g
2	Total Transmission Investment	29,192,600	207.58.g
3	Percent Allocation (Line 1/Line 2)	<u>100%</u>	
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	100%	
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	<u>100%</u>	
7	Total Wages and Salaries	100%	
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)	<u>100%</u>	
11	Percent Allocation (Line 6/Line 10)	<u>100%</u>	
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	29,192,600	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	1,243,317	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	<u>30,435,917</u>	
15	Total Plant in Service	\$ 30,472,926	207.104.g
16	Percent Allocation (Line 14 / Line 15)	<u>99.8786%</u>	

**MAINE ELECTRIC POWER COMPANY
RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

Affiliated Company Wages and Salaries

Line		MEPCO
"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	<u>0</u>
12 = Total "Affiliated" Wages and Salaries		<u>0</u>
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		<u>0</u>
22 = 12 less 21	Total "Affiliated" less A&G	<u>0</u>

**MAINE ELECTRIC POWER COMPANY
RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

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 ADJUSTED TEST YEAR ENDED 12/31/12**

**MEPCO Transmission Investment by Vintage
as of 12/31/2012**

	Total	PRE 1996	POST 1996
1970 \$	9,699,703	\$ 9,699,703	
1971	7,748,844	7,748,844	
1972	5,441	5,441	
1973	28,969	28,969	
1974	1,243	1,243	
1975	92,738	92,738	
1976	1,888	1,888	
1977	617	617	
1978	19	19	
1982	1,200	1,200	
1984	908,420	908,420	
1985	531,333	531,333	
1986	978,792	978,792	
1988	(2,000)	(2,000)	
1990	304,541	304,541	
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	111,014		111,014
2000	2,397,044		2,397,044
2001	149,511		149,511
2002	87,395		87,395
2003	603,219		603,219
2004	-		-
2005	-		-
2006	-		-
2007	262,839		262,839
2008	312,465		312,465
2009	136,312		136,312
2010	321,109		321,109
2011	238,468		238,468
2012	3,223,718		3,223,718
Grand Total	\$ 29,192,599	\$ 21,050,814	\$ 8,141,786

**MAINE ELECTRIC POWER COMPANY
RNS REVENUE REQUIREMENTS
FOR THE ADJUSTED TEST YEAR ENDED 12/31/12**

Line No.	FORECASTED TRANSMISSION REVENUE REQUIREMENTS (FTRR)	Forecast	Attachment F	Amount	Reference
		Period	Reference		
			<i>Section:</i>		
1	Forecasted Rev Req'ts for FTPA			\$ 416,991	line 6 below
2	Forecasted Transmission Revenue Requirements			<u>416,991</u>	
3	Forecasted Transmission Plant Additions (FTPA)	2013	Appendix C iv	5,021,000	
4	Carrying Charge Factor (CCF)		Appendix C vi	<u>8.30%</u>	line 14 below
5	Forecasted Rev Req'ts for FTPA			<u>416,991</u>	
	<u>DERIVATION OF CARRYING CHARGE FACTOR (CCF)</u>				
6	Investment Return and Income Taxes		(A)	1,170,224	Worksheet 1, line 14
7	Depreciation Expense		(B)	264,216	Worksheet 1, line 15
8	Amortization of Loss on Reacquired Debt		(C)	-	Worksheet 1, line 16
9	Investment Tax Credit		(D)	-	Worksheet 1, line 17
10	Property Tax Expense		(E)	358,237	Worksheet 1, line 18
11	Payroll Tax Expense		(F)	-	Worksheet 1, line 19
12	Operation & Maintenance Expense		(G)	537,709	Worksheet 1, line 20
13	Administrative & General Expense		(H)	<u>94,044</u>	Worksheet 1, line 21
14	Total Expenses (Lines 6 thru 13)			<u>2,424,430</u>	
15	PTF Transmission Plant		(A)(1)(a)	\$ 29,192,600	Worksheet 1, line 1
16	Carrying Charge Factor (Lines 14/15)			<u>8.30%</u>	

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: 5/14/2013

Revenue Requirements for (year): 2012

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>642</u> (a)	<u>493,933</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>64,188</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>64,830</u> (e)=(a)-(b)+(c)+(d)	<u>493,933</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements		<u>0</u> (m)
Annual True-up	<u>(256,354)</u>	<u>285,063</u> (n)
Interest Charge on Annual True-up	<u>(8,411)</u> (l)	<u>9,353</u> (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	<u>(199,935)</u> (p)	<u>788,349</u> (q)
Annual Projected 2008 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>588,414</u></u> (r) = (p)+(q)

Middleborough Gas and Electric Department
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2012 and billed 06/12-05/13

RNS Rate

		Attachment F			
		Reference	Pre 1997	Post 1996	Reference
Line No.	I. INVESTMENT BASE	Section:			
1	Transmission Plant	I (A)(1)(a)	0	1,370,897	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	0	12,800	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	1,383,697	
5	Accumulated Depreciation	I (A)(1)(d)	0	529,015	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	854,682	
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)	6,969	6,487	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		6,969	861,169	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	3,180	68,894	Worksheet 2
15	Depreciation Expense	I (B)	0	69,159	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	18,919	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	0	-	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	0	43,838	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	0	8,060	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)	318,004	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)		321,184	208,870	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			212,050	
31	Post-2003 Enhanced Return Addition to Revenue Requirement			-	
32	Total Post-96 PTF Revenue Requirement			212,050	
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			0	

RNS Rate

Middleborough Gas and Electric Department
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2012

1 2011 Actual Annual RR			64,830	493,933	Input Panel Subtotals
2 2011 Est. Transmission Revenue Requirements (as billed)	6/12-05/13	Appendix C	321,184	208,870	ATRR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)			-256,354	285,063	

	Overcollection/(Undercollection)
Pre'97	(\$256,354)
Post'96	\$285,063

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2012	(\$256,354)	\$285,063	0.27%	(\$692)	\$770
July 2012	(257,046)	285,833	0.27%	-694	\$772
August 2012	(257,046)	285,833	0.27%	-694	\$772
September 2012	(257,046)	285,833	0.27%	-694	\$772
October 2012	(259,128)	288,148	0.27%	-700	\$778
November 2012	(259,128)	288,148	0.27%	-700	\$778
December 2012	(259,128)	288,148	0.27%	-700	\$778
January 2013	(261,227)	290,482	0.27%	-705	\$784
February 2013	(261,227)	290,482	0.27%	-705	\$784
March 2013	(261,227)	290,482	0.27%	-705	\$784
April 2013	(263,343)	292,835	0.27%	-711	\$791
May 2013	(263,343)	292,835	0.27%	-711	\$791
		Total Interest		-\$8,411	\$9,353
		True-Up		-\$256,354	\$285,063
		Total TU & Int		-\$264,765	\$294,416

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: 14-May-13

Revenue Requirements for (year): Calendar Year 2012

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 =	642 (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>64,188</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>64,830</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>64,830</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>64,830</u> (l)=(k)+(b)+(g)-(h)

Shading denotes an input

		Attachment F		
		Reference	Middleborough	Reference
Line No.	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)	8,024	Worksheet 3a, 44
13	Total Investment Base (Line 9+10+11+12)		8,024	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	642	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)	64,188	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)		64,830	
			642	

Middleborough Gas and Electric Department**Annual Revenue Requirements - 2012
for costs in 2011**

Shading denotes an input

	CAPITALIZATION 12/31/2009	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 109,845,000	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	\$ 109,845,000	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{8,024} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{8,024} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

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

(PTF)

INVESTMENT BASE	\$ 8,024	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>642</u>	To Worksheet 1

Middleborough Gas and Electric Department

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	\$ 2,914,018		2,914,018		0	Worksheet 5, E12
2	\$ 5,887,657	0.4621% (a)	27,207	0.0000%	0	Page 8B line 29(g)
3			2,941,225		0	
4	0		0	0.0000%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	1,106,486		1,106,486	0.0000%	0	Page 8A, line 31(g) less Page 16, line 31(g)
6	3,896,419	0.4621% (a)	18,005	0.0000%	0	Page 8B, line 29(g) less Page 17, line 29(g)
7			1,124,491		0	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	7.4891% (c)	0	0.0000%	0	None known
9	0	7.4891% (c)	0	0.0000%	0	None known
10			0		0	
11	0	7.4891% (c)	0	0.0000%	0	None known
<u>Other Regulatory Assets</u>						
12	0	0.4621% (a)	0	0.0000%	0	None known
13	0	7.4891% (c)	0	0.0000%	0	None known
14	0	7.4891% (c)	0	0.0000%	0	
15	0		0		0	
16	0	0.4621% (a)	0	0.0000%	0	Page 10, Line 26 MA DTE
17	0	0.4621%	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					64,188	Worksheet 1, Line 24
22					64,188	
23					0.125	x 45 / 360
24					8,024	

(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

PTF Revenue Requirements
Worksheet 4 of 7

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	Mass DTE AR Reference for col (1)
<u>Depreciation Expense</u>						
1	145,701		145,701	0.0000%	0	Page 16, line 31(d)
2	282,539	0.4621% (a)	1,306	0.0000%	0	Page 17, line 29(d)
3			147,007		0	
4	0	7.4891% (c)	0	0.0000%	0	None known
5	0	7.4891% (c)	0	0.0000%	0	None known
<u>Property Taxes *</u>						
6	502,533	0.074891	37,635	0.0000%	0	Page 21, line 33 (b)
7	502,533	0.4621% (a)	2,322	0.0000%	0	Page 21, line 33 (b)
8			39,957		0	
<u>Transmission Operation and Maintenance</u>						
9	3,373,917		3,373,917	0	0	Page 40, line 50(b)
10	3,280,734		3,280,734	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	93,183		93,183	0.0000%	0	
<u>Transmission Administrative and General</u>						
14	3,753,341					Page 42, line 5(b)
15	1					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	45,994					assumed none
18	3,707,346	0.4621% (a)	17,132	0.0000%	0	
19	1	7.4891% (c)	0	0.0000%	0	
20	0	7.4891% (c)	0	0.0000%	0	
21	0	7.4891% (c)	0	0.0000%	0	
22	3,707,347		17,132		0	
23	0	0.4621% (a)	0	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

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	0
2	Total Transmission Investment	2,914,018
3	Percent Allocation (Line 1/Line 2)	0.0000%
<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	13,775
5	Affiliated Company Transmission Wages and Salaries	0
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	13,775
7	Total Wages and Salaries	3,289,546
8	Administrative and General Wages and Salaries	308,472
9	Affiliated Company Wages and Salaries less A&G	0
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	2,981,074
11	Percent Allocation (Line 6/Line 10)	0.4621%
<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	2,914,018
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	27,207
14	= Revised Numerator (Line 12 + Line 13)	2,941,225
15	Total Plant in Service	39,273,605
16	Percent Allocation (Line 14 / Line 15)	7.4891%

Per Company Workpapers
Page 8A, line 31(g)

See MGED General Ledger
Worksheet 6 of 7

Page 42, line 24 (c)
Page 41, line 43(b)
Worksheet 6

Line 2
Worksheet 3, Line 2

Page 8B, line 30 (g)

Affiliated Company Wages and Salaries

Shading denotes an input

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		
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

Middleborough Gas and Electric Department

Sheet: Worksheet 7

PTF Revenue Requirements
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]		\$397
	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			458
	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			\$2,892
	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			
	Moore 115 kV Substation	332.1(g)		
	HQ Phase II - AC in MA	332.1(g); [332(g) for CL&P]		\$6,938
	345 kV Golden Hills-Mystic 349 line			0
	345 kV NH/MA border-Tewksbury 394 line	332(g)		\$2,171
	115 kV Read - Washington V148 line			
NU	345 kV 363, 369 and 394 Seabrook lines			\$2,014
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		4,010
	UI Substations	330.1(n)		
	CMP	330.1(n)		
Seabrook				\$45,308
Total =			0	64,188

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: 14-May-12

Revenue Requirements for (year): Calendar Year 2012

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 =	<u>(a)</u>	<u>493,933 (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>(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>0 (e)=(a)-(b)+(c)+(d)</u>	<u>493,933 (j)</u>
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		<u>493,933 (k) = (e) + (j)</u>
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)		<u>0 (b)</u>
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)		<u>0 (g)</u>
Total of Attachment F - Section K - Post-96 Support Expense (from above)		<u>0 (h)</u>
Voting Share Total for Participant's R Value: (for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		<u>493,933 (l)=(k)+(b)+(g)-(h)</u>

Calendar Year 2012

Shading denotes an input

		Attachment F		
		Reference	Middleborough	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	4,333,195	Worksheet 3a, L10
2	General Plant	(A)(1)(b)	245,549	Worksheet 3a, L11
3	Plant Held For Future Use	(A)(1)(c)	0	Worksheet 3a, L14
4	Total Plant (Lines 1+2+3)		4,578,744	
5	Accumulated Depreciation	(A)(1)(d)	3,556,007	Worksheet 3a, L19
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3a, L24
7	Loss On Recquired 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)		1,022,737	
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)	31,391	Worksheet 3a, 44
13	Total Investment Base (Line 9+10+11+12)		1,054,128	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	84,330	Worksheet 2a, E56
15	Depreciation Expense	(B)	52,579	Worksheet 4a, L12
16	Amortization of Loss on Recquired Debt	(C)	0	Worksheet 4a, L14
17	Investment Tax Credit	(D)	0	Worksheet 4a, L16
18	Property Tax Expense	(E)	103,913	Worksheet 4a, L21
19	Payroll Tax Expense	(F)	1,985	Worksheet 4a, L42
20	Operation & Maintenance Expense	(G)	136,935	Worksheet 4a, L29
21	Administrative & General Expense	(H)	114,191	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)		493,933	

Middleborough Gas and Electric Department**Annual Revenue Requirements - 2012****Calendar Year 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2006	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 109,845,000	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	\$ 109,845,000	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{1,054,128} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{1,054,128} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

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

(PTF)

INVESTMENT BASE	\$ 1,054,128	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>84,330</u>	To Worksheet 1

Middleborough Gas and Electric Department

Calendar Year 2012

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	\$ 4,333,195		4,333,195		4,333,195	Worksheet 5, E12
2	\$ 6,264,480	3.9197% (a)	245,549	100.0000%	245,549	Page 8B line 29(g)
3			4,578,744		4,578,744	
4	0		0	100.0000%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	3,395,722		3,395,722	100.0000%	3,395,722	Page 8A, line 31(g) less Page 16, line 31(g)
6	4,089,217	3.9197% (a)	160,285	100.0000%	160,285	Page 8B, line 29(g) less Page 17, line 29(g)
7			3,556,007		3,556,007	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	10.6337% (c)	0	100.0000%	0	None known
9	0	10.6337% (c)	0	100.0000%	0	None known
10			0		0	
11	0	10.6337% (c)	0	100.0000%	0	None known
<u>Other Regulatory Assets</u>						
12	0	3.9197% (a)	0	100.0000%	0	None known
13	0	10.6337% (c)	0	100.0000%	0	None known
14	0	10.6337% (c)	0	100.0000%	0	
15	0		0		0	
16	0	3.9197% (a)	0	100.0000%	0	Page 10, Line 26 MA DTE
17	0	3.9197%	0	100.0000%	0	Page 10, Line 24 MA DTE
<u>Cash Working Capital</u>						
19					136,935	Worksheet 1, Line 20
20					114,191	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					251,126	
23					0.125	x 45 / 360
24					31,391	

(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 2012

		(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	Transmission Depreciation	40,736		40,736	100.0000%	40,736	Page 16, line 31(d)
2	General Depreciation	302,141	3.9197% (a)	11,843	100.0000%	11,843	Page 17, line 29(d)
3	Total (line 1+2)			52,579		52,579	
4	<u>Amortization of Loss on Reacquired Debt</u>	0	10.6337% (c)	0	100.0000%	0	None known
5	<u>Amortization of Investment Tax Credits</u>	0	10.6337% (c)	0	100.0000%	0	None known
<u>Property Taxes *</u>							
6	Transmission Property Taxes	714,015	0.106337	75,926	100.0000%	75,926	Page 21, line 33 (b)
7	General Property Taxes	714,015	3.9197% (a)	27,987	100.0000%	27,987	Page 21, line 33 (b)
8	Total (line 6+7)			103,913		103,913	
<u>Transmission Operation and Maintenance</u>							
9	Operation and Maintenance	3,033,822		3,033,822	1	3,033,822	Page 40, line 50(b)
10	Transmission of Electricity by Others - #565	2,799,177		2,799,177	1	2,799,177	Page 40, line 38(b)
11	Load Dispatching - #561	0		0	1	0	Page 40, line 34(b)
12	**Station Expenses & Rents - #562 / #567	97,710		97,710	1	97,710	Page 40, line 35(b) 40(b)
13	O&M less lines 10, 11 & 12	136,935		234,645	100.0000%	136,935	
<u>Transmission Administrative and General</u>							
14	Administrative and General	2,701,362					Page 42, line 5(b)
15	less Property Insurance (#924)	194,254					Page 41, line 47(b)
16	less Regulatory Commission Expenses (#928)	0					Page 41, line 50(b)
17	less General Advertising Expense (#930.1)	120,822					assumed none
18	Subtotal [line 14 minus (15 thru 17)]	2,386,286	3.9197% (a)	93,535	100.0000%	93,535	
19	PLUS Property Insurance alloc. using Plant Allocation	194,254	10.6337% (c)	20,656	100.0000%	20,656	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	0	10.6337% (c)	0	100.0000%	0	
21	PLUS Trans. Related General Advertising Expense	0	10.6337% (c)	0	100.0000%	0	
22	Total A&G [line 18 plus (19 thru 21)]	2,580,540		114,191		114,191	
23	<u>Payroll Tax Expense</u>	50,629	3.9197% (a)	1,985	100.0000%	1,985	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 2012

<u>Line No.</u>			<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>		<u>Middleborough</u>	
1	PTF Transmission Investment	4,333,195	Per Company Workpapers Page 8A, line 31(g)
2	Total Transmission Investment	4,333,195	
3	Percent Allocation (Line 1/Line 2)	100.0000%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	118,064	See MGED General Ledger Worksheet 6 of 7
5	Affiliated Company Transmission Wages and Salaries	0	
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	118,064	
7	Total Wages and Salaries	3,367,035	Page 42, line 24 (c) Page 41, line 43(b) Worksheet 6
8	Administrative and General Wages and Salaries	354,975	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	3,012,060	
11	Percent Allocation (Line 6/Line 10)	3.9197%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	4,333,195	Line 2 Worksheet 3, Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	47,416	
14	= Revised Numerator (Line 12 + Line 13)	4,380,611	
15	Total Plant in Service	41,195,661	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	10.6337%	

Affiliated Company Wages and Salaries

 Shading denotes an input

Calendar Year 2012

<u>Line</u>		<u>Middleborough</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

Middleborough

PTF Revenue Requirements

Sheet: Worksheet 7

Calendar Year 2012

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				0
Total =			0	0

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

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 2012
Rates Effective for the Period:	June 2013
Through:	May 2014
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:	

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I	\$114,337,234 ^(a)	\$143,772,435 ^(f)
Total of Attachment F - Section J - Support Revenue	\$5,394,493 ^(b)	\$0 ^(g)
Total of Attachment F - Section K - Support Expense	\$712,224 ^(c)	\$0 ^(h)
Total of Attachment F - Section (L through O)	(\$528,952) ^(d)	(\$1,364,921) ⁽ⁱ⁾
Sub Total - Sum (A through I) - J + K + (L through O)	\$109,126,013 ^{(e)=(a)-(b)+(c)+(d)}	\$142,407,514 ^(j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	N/A	\$67,239,078 ^(k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	\$14,284,713 ^(l)	(\$25,929,886) ^(m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	\$123,410,726 ^{(n)=(e)+(l)}	\$183,716,706 ^{(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)		\$307,127,432 ^{(p) = (n) + (o)}

New England Power Company
Transmission Revenue Requirements of PTF Facilities
2012 True-up

		PRE 97	POST 1996
I. ANNUAL TRUE-UP PER ROE COMPLIANCE WITH FERC ROE ORDER			
1	Transmission Revenue Requirements (as billed)	\$95,301,964	\$167,501,195
2	True-up 2012 Actual Annual RR	109,126,013	142,407,514
3	(Over)/Under (Line 2 - Line 1)	13,824,050	(25,093,680)
4	Per Month (Line 3/12)	1,152,004	(2,091,140)
5	Total Rate Year (Over)/Under	<u>\$ 13,824,050</u>	<u>\$ (25,093,680)</u>

New England Power Company
FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities

Pre 97
Post 96

Undercollection/(Overcollection)
\$13,824,050
(\$25,093,680)

Initial Billing Period	PRE 97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE 97 Interest	POST 1996 Interest
June 2012	\$ 13,824,050	\$ (25,093,680)	0.27%	\$ 37,325	\$ (67,753)
July 2012	13,861,374	(25,161,433)	0.28%	38,812	(70,452)
August 2012	13,861,374	(25,161,433)	0.28%	38,812	(70,452)
September 2012	13,861,374	(25,161,433)	0.27%	37,426	(67,936)
October 2012	13,976,424	(25,370,273)	0.28%	39,134	(71,037)
November 2012	13,976,424	(25,370,273)	0.27%	37,736	(68,500)
December 2012	13,976,424	(25,370,273)	0.28%	39,134	(71,037)
January 2013	14,092,428	(25,580,846)	0.28%	39,459	(71,626)
February 2013	14,092,428	(25,580,846)	0.25%	35,231	(63,952)
March 2013	14,092,428	(25,580,846)	0.28%	39,459	(71,626)
April 2013	14,206,577	(25,788,051)	0.27%	38,358	(69,628)
May 2013	14,206,577	(25,788,051)	0.28%	39,778	(72,207)
Total Interest				\$ 460,664	\$ (836,205)
True-Up				13,824,050	\$ (25,093,680)
Total TU & Interest				\$ 14,284,713	\$ (25,929,886)

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 2012
Rates Effective for the Period:	June 2013
Through:	May 2014
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:	

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I	\$114,337,234 ^(a)	\$143,772,435 ^(f)
Total of Attachment F - Section J - Support Revenue	\$5,394,493 ^(b)	\$0 ^(g)
Total of Attachment F - Section K - Support Expense	\$712,224 ^(c)	\$0 ^(h)
Total of Attachment F - Section (L through O)	(\$528,952) ^(d)	(\$1,364,921) ⁽ⁱ⁾
Sub Total - Sum (A through I) - J + K + (L through O)	\$109,126,013 ^{(e)=(a)-(b)+(c)+(d)}	\$142,407,514 ^(j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	N/A	\$67,239,078 ^(k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	N/A ^(l)	N/A ^(m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	\$109,126,013 ^{(n)=(e) + (l)}	\$209,646,592 ^{(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:		\$318,772,605 ^{(p) = (n) + (o)}

New England Power Company
Annual Revenue Requirements of PTF Facilities
For Costs in 2012

PRE-1997

Shading denotes an input

		Attachment F Reference	NEP	Reference
I. INVESTMENT BASE				
<u>Line No.</u>		Section:		
1	Transmission Plant	(A)(1)(a)	\$336,640,692	Worksheet 3, line 1&2 column 5
2	General Plant	(A)(1)(b)	\$1,309,195	Worksheet 3, line 3 column 5
3	Plant Held For Future Use	(A)(1)(c)	\$212,912	Worksheet 3, line 5 column 5
4	Total Plant (Lines 1+2+3)		\$338,162,799	
5	Accumulated Depreciation	(A)(1)(d)	(\$78,859,175)	Worksheet 3, line 8 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(\$81,386,909)	Worksheet 3, line 11 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	\$58,605	Worksheet 3, line 12 column 5
8	Other Regulatory Assets	(A)(1)(g)	\$9,602,739	Worksheet 3, line 16 column 5
9	Net Investment (Line 4+5+6+7+8)		\$187,578,059	
10	Prepayments	(A)(1)(h)	\$0	Worksheet 3, line 17 column 5
11	Materials & Supplies	(A)(1)(i)	\$1,004,818	Worksheet 3, line 18 column 5
12	Cash Working Capital	(A)(1)(j)	\$1,770,068	Worksheet 3, line 25 column 5
13	Total Investment Base (Line 9+10+11+12)		\$190,352,945	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	\$24,158,720	Worksheet 2
15	Depreciation Expense	(B)	\$7,775,359	Worksheet 4, line 3, column 5
16	Amortization of Loss on Reacquired Debt	(C)	\$28,242	Worksheet 4, line 4, column 5
17	Investment Tax Credit	(D)	(\$80,927)	Worksheet 4, line 5, column 5
18	Property Tax Expense	(E)	\$5,940,100	Worksheet 4, line 6, column 5
19	Payroll Tax Expense	(F)	\$341,447	Worksheet 4, line 22, column 5
20	Operation & Maintenance Expense	(G)	\$6,515,001	Worksheet 4, line 11, column 5
21	Administrative & General Expense	(H)	\$7,645,541	Worksheet 4, line 21, column 5
22	Transmission Related Integrated Facilities Charge	(I)	\$62,013,752	Attachment 4, line 6
23	Transmission Support Revenue	(J)	(\$5,394,493)	Worksheet 6
24	Transmission Support Expense	(K)	\$712,224	Worksheet 6
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)	(\$294,985)	Attachment 7
28	Transmission Rents Received from Electric Property	(O)	(\$233,967)	Attachment 6
29	Total Revenue Requirements (Line 14 thru 28)		\$109,126,013	

New England Power Company
Annual Revenue Requirements
For Costs in 2012

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$410,350,000	35.75%	1.09%	0.39%	
PREFERRED STOCK	\$1,111,700	0.10%	6.02%	0.01%	0.01%
COMMON EQUITY	\$736,426,776	64.15%	11.64%	7.47%	7.47%
TOTAL INVESTMENT RETURN	\$1,147,888,476	100.00%		7.87%	7.48%

Cost of Capital Rate=

(a) Weighted Cost of Capital	=	<u>0.0787</u>
(b) Federal Income Tax	=	$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$
	=	$\left(\frac{0.0748 + \left(\frac{(\$80,927) + \$279,344}{\$190,352,945} \right) / 0.35}{1} \right) \times \frac{0.35}{0.35}$
	=	<u>0.0408382</u>
(c) State Income Tax	=	$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{State Income Tax Rate}}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$
	=	$\left(\frac{0.0748 + \left(\frac{(\$80,927) + \$279,344}{\$190,352,945} \right) / 0.059466}{1} \right) + \frac{0.0408382}{0.059466} \times 0.059466$
	=	<u>0.0073772</u>
(a)+(b)+(c) Cost of Capital Rate	=	<u>0.1269154</u>

	<u>(PTF)</u>	
INVESTMENT BASE	\$190,352,945	From Worksheet 1
x Cost of Capital Rate	0.1269154	
= Investment Return and Income Taxes	<u>\$24,158,720</u>	To Worksheet 1

New England Power Company

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	Source Reference
1	Transmission Plant				\$349,727,420	Attachment 1, Page 1
2	Less: Plant Assoc. HVDC Leases				(\$13,086,728)	Attachment 2
3	General Plant		99.7679% (a)	20.7159% (b)	\$1,309,195	FERC Form 1 Page 207.99g
4	Total (line 1+2+ 3)				\$337,949,887	
5	Transmission Plant Held for Future Use		\$1,027,771	20.7159% (b)	\$212,912	FERC Form 1 Page 214.2,4,9
	<u>Transmission Accumulated Depreciation</u>					
6	Transmission Accumulated Depreciation		99.7679% (a)	20.7159% (b)	(\$77,802,528)	FERC Form 1 Page 219.25
7	General Plant Accumulated Depreciation			20.7159% (b)	(\$1,056,647)	FERC Form 1 Page 219.28
8	Total (line 6+ 7)				(\$78,859,175)	
	<u>Transmission Accumulated Deferred Taxes</u>					
9	Accumulated Deferred Taxes (281-283)		99.2878% (c)	20.7159% (b)	(\$72,995,986)	FERC Form 1 Page 113.62-64
10	Accumulated Deferred Taxes (190)		99.2878% (c)	20.7159% (b)	(\$8,390,923)	FERC Form 1 Page 111.82
11	Total (line 9+ 10)				(\$81,386,909)	
12	Transmission Loss on Reacquired Debt		100.0000%	20.7159% (b)	\$58,605	FERC Form 1 Page 111.81c
	<u>Other Regulatory Assets</u>					
13	FAS 106		99.7679% (a)	20.7159% (b)	\$0	
14	FAS 109 (Asset Account 182.3)		100.0000%	20.7159% (b)	\$9,602,739	FERC Form 1 Page 232.7f
15	FAS 109 (Liability Account 254)		100.0000%	20.7159% (b)	\$0	FERC Form 1 Page 278
16	Total (line 13+14+ 15)				\$9,602,739	
17	Transmission Prepayments		99.7679% (a)	20.7159% (b)	\$0	FERC Form 1 Page 111.57c
18	Transmission Materials and Supplies			20.7159% (b)	\$1,004,818	FERC Form 1 Page 227.8c
19	<u>Cash Working Capital</u>					
20	Operation & Maintenance Expense				\$6,515,001	Worksheet 1, Line 20
21	Administrative & General Expense				\$7,645,541	Worksheet 1, Line 21
22	Transmission Support Expense				\$0	Worksheet 6
23	Subtotal (line 20+21+22)				\$14,160,542	
24					0.1250	x 45 / 360
25	Total (line 23 * line 24)				\$1,770,068	

(a) Worksheet 5 Line 11
(b) Worksheet 5 Line 3
(c) Worksheet 5 Line 16

New England Power Company

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	Source Reference for Col (1)
<u>Depreciation Expense</u>						
1	\$37,176,180		\$37,176,180	20.7159% (b)	\$7,701,380	FERC Form 1 Page 336.7b
2	\$357,944	99.7679% (a)	\$357,113	20.7159% (b)	\$73,979	FERC Form 1 Page 336.10b
3			\$37,533,293		\$7,775,359	
4	\$136,332	100.0000%	\$136,332	20.7159% (b)	\$28,242	FERC Form 1 Page 117.64c
5	(\$390,654)	100.0000%	(\$390,654)	20.7159% (b)	(\$80,927)	FERC Form 1 Page 266.8f - Footnote (f)
6	\$28,674,108	100.0000%	\$28,674,108	20.7159% (b)	\$5,940,100	FERC Form 1 Page 263.10,17,23,28i - Footnote (e)
<u>Transmission Operation and Maintenance</u>						
7	\$53,714,290		\$53,714,290	20.7159% (b)	\$11,127,399	FERC Form 1 Page 321.112b
8	\$12,561,903		\$12,561,903	20.7159% (b)	\$2,602,311	FERC Form 1 Page 321.96b
9	\$9,703,112		\$9,703,112	20.7159% (b)	\$2,010,087	FERC Form 1 Page 321.84-92b less 87b
10	\$0				\$0	FERC Form 1 Page 321.93b & .98b
11	\$31,449,275		\$31,449,275	20.7159% (b)	\$6,515,001	
<u>Transmission Administrative and General</u>						
12	\$38,153,781					FERC Form 1 Page 323.197b
13	\$113,624					FERC Form 1 Page 323.185b
14	\$3,651,329					FERC Form 1 Page 323.189b
15	(\$877)					FERC Form 1 Page 323.191b
16	\$34,389,705	99.7679% (a)	\$34,309,887	20.7159% (b)	\$7,107,602	
17	\$113,624	99.2878% (c)	\$112,814	20.7159% (b)	\$23,370	Line 13
18	\$2,502,633	99.2878% (c)	\$2,484,809	20.7159% (b)	\$514,751	Attachment 5 Line 6
19	(\$877)		(\$877)	20.7159% (b)	(\$182)	Line 15
20	\$0		\$0	20.7159% (b)	\$0	FERC Form 1 Page 350.18c
21	\$37,005,085		\$36,906,633		\$7,645,541	
22	\$1,652,069	99.7679% (a)	\$1,648,234	20.7159% (b)	\$341,447	FERC Form 1 Page 263.3,4i - Footnote (d)
(d) Payroll taxes FERC Form 1, page 263.i						
	\$239,134		Massachusetts	\$0		
FICA	\$1,412,935		New Hampshire	\$0		
Payroll Taxes	\$0		Vermont	\$0		
State Unemployment	\$0		Maine	\$0		
Total	\$1,652,069		Rhode Island	\$0		
			Connecticut	\$0		
				\$28,674,108		
(e) Property Taxes FF1, Page 263i						

(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.			Source Reference
<u>PTF Transmission Plant Allocation Factor</u>		<u>NEP</u>	
1	PTF Transmission Investment	\$349,727,420	Attachment 1, Page 1
2		\$1,688,210,189	FERC Form 1 Page 207.58g - Page 200.4b
3	Percent Allocation (Line 1/Line 2)	<u>20.7159%</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	\$16,931,400	General Ledger Query
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	\$16,931,400	
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	\$16,970,787	General Ledger Query
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	\$16,970,787	
11	Percent Allocation (Line 6/Line 10)	<u>99.7679%</u>	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	\$1,688,210,189	Line 2
13	plus Transmission-Related General Plant	\$6,319,758	Worksheet 3, Line 3, Column 3
14	= Revised Numerator (Line 12 + Line 13)	\$1,694,529,947	
15	Total Plant in Service	\$1,706,685,081	FERC Form 1 Page 207.104g - Page 200.4b
16	Percent Allocation (Line 14 / Line 16)	<u>99.2878%</u>	

Shading denotes input

**New England Power Company
Pre-97 RNs Revenue Requirements
For Test Year Ended 12/31/2012**

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	Expenses
			(a)	(b)
NSTAR	HQ Phase II - AC in MA	Pg 332 Line 5 Col (g)		\$108,351
	Bell Rock Road	Page 330.5 Line 12 Col (n)	\$30,365	
	Boston Edison -345 kV NH/MA border - Tewksbury 394 Line (Seabrook)	Page 330.1 Line 8 Col (n)	\$366,468	
NU	Public Service Co. -Moore 115 kV Substation	Page 330.1 Line 5 Col (n)	\$13,319	
NEP	Chester SVC	Transmission Billing		\$603,873
	HQ Phase II - AC in MA	Page 330 Line 11 Col (n)	\$4,945,105	
VT Elec Co.	Comerford 115 kV Substation	Page 330.1 Line 12 Col (n)	\$39,236	
		Totals	\$5,394,493	\$712,224

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 22, Column 5)

\$0

Shading denotes an input

New England Power Company
2012 Informational Filing
PTF Plant Allocation

				Percent Pre/Post
1	2011	Pre-1997 PTF Transmission Plant	\$350,215,608	
2	2011	Post-1996 PTF Transmission Plant	\$816,526,816	
3	2012	Additions/Retirements	\$85,430,412	
4	2012	Pre-1997 PTF Transmission Plant	\$349,727,420	27.93%
5	2012	Post-1996 PTF Transmission Plant	\$902,445,417	72.07%
6	2012	Total PTF Transmission Plant	\$1,252,172,836	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
2012

LINE NO		(HVDC) NHH/NEH LEASE
1	Gross Plant Value Comerford Station to Tewksbury Line	\$14,269,187
	<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)	\$12,699,576
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	\$13,086,728

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
- 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)" which own and lease the HVDC interconnection facilities to the participants to the NEPOOL HVDC agreements.

New England Power Company
Determination of Book Depreciation on Equity AFUDC

		<u>2012</u>
1	Total Current Year Book Depreciation on Equity AFUDC	\$1,351,211
2	Less: Specifically Identified Transmission-Related	
	Tewksbury Line	\$54,708
	Hydro-Quebec	\$23,543
	Montaup Transmission Only 1990 - 1999	\$9,713
	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	\$157,122
	2012 Transmission	\$213,528
		\$963,619
3	Total Unidentified Book Depreciation on Equity AFUDC	\$387,592
4	Plant Allocator Factor	99.2878%
5	Allocated Transmission Related Book Depreciation on Equity AFUDC	\$384,832
6	Plus: Specifically Identified Transmission-Related Equity AFUDC	<u>\$963,619</u>
7	Total Transmission-Related Equity AFUDC	\$1,348,451
8	Pre-97 PTF Allocation Factor	20.7159%
9	Transmission-Related Equity AFUDC	\$279,344

Sources:

- 1 & 2 Transmission Rates includes \$9,713 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

	Narragansett <u>2012</u>	MECO <u>2012</u>
1 Total Integrated Facilities Charges	\$77,884,781	\$9,279,091
2 Total 2012 PTF Property	\$292,639,551	\$24,846,487
3 Total Transmission Plant in 2012	\$398,491,333	\$47,856,277
4 NECO or MECO PTF Plant Allocator	73.44%	51.92%
5 PTF Related Integrated Facilities Charge	\$57,196,143	\$4,817,609
6 Total Integrated Facilities		<u>\$62,013,752</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 2011 Regulatory Commission Expense

Line No.		<u>2012</u>	<u>Source</u>
1	Total Regulatory Commission Expense - NEP	\$3,651,329	FERC Form1 Page 350.46d
2	Less: New Hampshire PUC Assessment	\$63,704	FERC Form1 Page 350.2d
3	Less: Mass Emergency Fund	\$0	FERC Form1 Page 350.7d
4	Less Mass DPU Special Assessment	\$229,133	FERC Form1 Page 350.8d
5	Less: Utility Expenses	\$855,859	FERC Form1 Page 350.46c
6	Total Federal Assessments	\$2,502,633	Line 1 - (Line 2-5)

Transmission Rents Received from Electric Property
New England Power Company

	<u>2012</u>
Revenues	\$1,129,406
Plant Allocation Factor	100.00%
Transmission Allocated	\$1,129,406
PTF Allocation	20.7159%
Total PTF Revenue	\$233,967

Source: Peoplesoft Activities #454002, 454020 and 454024 - see Analysis for details

Revenue for Short-Term Transmission Service under the NEPOOL Tariff

New England Power Company

	<u>2012</u>
Revenues	\$1,056,174
Pre-97 PTF Percent	27.9296%
Total Pre-97 PTF Revenue	\$ 294,985

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 2012
Rates Effective for the Period:	June 2013
Through:	May 2014
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:	

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I	\$114,337,234 ^(a)	\$143,772,435 ^(f)
Total of Attachment F - Section J - Support Revenue	\$5,394,493 ^(b)	\$0 ^(g)
Total of Attachment F - Section K - Support Expense	\$712,224 ^(c)	\$0 ^(h)
Total of Attachment F - Section (L through O)	(\$528,952) ^(d)	(\$1,364,921) ⁽ⁱ⁾
Sub Total - Sum (A through I) - J + K + (L through O)	\$109,126,013 ^{(e)=(a)-(b)+(c)+(d)}	\$142,407,514 ^(j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	N/A	\$67,239,078 ^(k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	N/A ^(l)	N/A ^(m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	\$109,126,013 ^{(n)=(e)+(l)}	\$209,646,592 ^{(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)		\$318,772,605 ^{(p)=(n)+(o)}

New England Power Company
Annual Revenue Requirements of PTF Facilities
For Costs in 2012

POST-1996

Shading denotes an input

		Attachment F		
		Reference	NEP	Reference
I. INVESTMENT BASE		Section:		
Line No.				
1	Transmission Plant	(A)(1)(a)	\$902,445,417	Worksheet 5, line 1&2 column 5
2	General Plant	(A)(1)(b)	\$3,378,271	Worksheet 5, line 3 column 5
3	Plant Held For Future Use	(A)(1)(c)	\$549,402	Worksheet 5, line 5 column 5
4	Total Plant (Lines 1+2+3)		\$906,373,090	
5	Accumulated Depreciation	(A)(1)(d)	(\$203,489,704)	Worksheet 5, line 8 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	(\$210,012,317)	Worksheet 5, line 11 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	\$151,225	Worksheet 5, line 12 column 5
8	Other Regulatory Assets	(A)(1)(g)	\$24,779,090	Worksheet 5, line 16 column 5
9	Net Investment (Line 4+5+6+7+8)		\$517,801,384	
10	Prepayments	(A)(1)(h)	\$0	Worksheet 5, line 17 column 5
11	Materials & Supplies	(A)(1)(i)	\$2,592,851	Worksheet 5, line 18 column 5
12	Cash Working Capital	(A)(1)(j)	\$4,567,516	Worksheet 5, line 25 column 5
13	NEEWS CWIP	(A)(1)(k)	\$14,550,755	Worksheet 5, line 26 column 5
14	Total Investment Base (Line 9+10+11+12+13)		\$539,512,506	
II. REVENUE REQUIREMENTS				
15	Investment Return and Income Taxes	(A)	\$71,095,552	Worksheet 3
16	Depreciation Expense	(B)	\$20,063,684	Worksheet 6, line 3, column 5
17	Amortization of Loss on Reacquired Debt	(C)	\$72,877	Worksheet 6, line 4, column 5
18	Investment Tax Credit	(D)	(\$208,827)	Worksheet 6, line 5, column 5
19	Property Tax Expense	(E)	\$15,327,945	Worksheet 6, line 6, column 5
20	Payroll Tax Expense	(F)	\$881,075	Worksheet 6, line 22, column 5
21	Operation & Maintenance Expense	(G)	\$16,811,430	Worksheet 6, line 11, column 5
22	Administrative & General Expense	(H)	\$19,728,699	Worksheet 6, line 21, column 5
23	Transmission Related Integrated Facilities Charge	(I)	\$0	Attachment 4, line 6
24	Transmission Support Revenue	(J)	\$0	Worksheet 8
25	Transmission Support Expense	(K)	\$0	Worksheet 8
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)	(\$761,189)	Attachment 7
29	Transmission Rents Received from Electric Property	(O)	(\$603,732)	Attachment 6
30	Total Revenue Requirements (Line 14 thru 28)		\$142,407,514	

New England Power Company
Post 1996 Regional Network Service Revenue Requirement
For Test Year Ended 12/31/2012

Shading denotes an input

Line No.	Description	Attachment F Reference	Forecasted Amount \$	Reference
1	Forecasted Revenue Requirements for Forecasted Transmission Plant Additions (FTPA)		\$ 67,413,770	Line 6
2	Forecasted Revenue Requirements for Forecasted Transmission CWIP		\$174,693	Line 9
3	Forecasted Transmission Revenue Requirements		\$ 67,239,078	Line 1 + Line 2
4	Forecasted Revenue Requirements for Forecasted Transmission Plant Additions (FTPA)	Appendix C iv	\$436,825,037	Project Detail
5	Carrying Charge Factor (CCF)	Appendix C vi	15.43267%	Line 20
6	Forecasted Revenue Requirements for FTPA		\$ 67,413,770	Line 4 * Line 5
7	Forecasted New England Power Company (NEP) NEEWS CWIP (FNCWIP)	Appendix C xiii	\$ (1,248,323)	Project Detail
8	NEEWS NEP Cost of Capital Rate (NCOC)	Appendix C xiv	13.99419%	Workpaper 4
9	Forecasted Revenue Requirements for FNCWIP		\$ (174,693)	Line 7 * Line 8
<u>Derivation of Carrying Charge (CCF)</u>				
10	Investment Return and Income Taxes	(A)	\$66,594,548	Summary, Line 14
11	Depreciation Expense	(B)	20,063,684	Summary, Line 15
12	Amortization of Loss on Reacquired Debt	(C)	72,877	Summary, Line 16
13	Investment Tax Credit	(D)	(208,827)	Summary, Line 17
14	Property Tax Expense	(E)	15,327,945	Summary, Line 18
15	Payroll Tax Expense	(F)	881,075	Summary, Line 19
16	Operation & Maintenance Expense	(G)	16,811,430	Summary, Line 20
17	Administrative & General Expense	(H)	19,728,699	Summary, Line 21
18	Total Expenses (Lines 10 thru 17)		\$139,271,431	
19	PTF Transmission Plant	(A)(1)(a)	\$902,445,417	Summary, Line 1
20	Carrying Charge Factor (FTPA)		15.43267%	Line 18 / Line 19

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$410,350,000	35.75%	1.09%	0.39%	
PREFERRED STOCK	\$1,111,700	0.10%	6.02%	0.01%	0.01%
COMMON EQUITY	\$736,426,776	64.15%	11.64%	7.47%	7.47%
TOTAL INVESTMENT RETURN	\$1,147,888,476	100.00%		7.87%	7.48%

(a) Weighted Cost of Capital	=	<u>0.0787</u>
(b) Federal Income Tax	=	$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.})}{\text{PTF Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$
	=	$\left(\frac{0.0748 + \left(\frac{(\$208,827) + \$720,824}{\$539,512,506} \right)}{1} \right) \times \frac{0.35}{0.35}$
	=	<u>0.0407879</u>
(c) State Income Tax	=	$\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.})}{\text{PTF Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$
	=	$\left(\frac{0.0748 + \left(\frac{(\$208,827) + \$720,824}{\$539,512,506} \right)}{1} \right) + \frac{0.0407879}{0.059466} \times 0.059466$
	=	<u>0.0073681</u>
(a)+(b)+(c) Cost of Capital Rate	=	<u>0.1268560</u>

	<u>(PTF)</u>	
INVESTMENT BASE	\$539,512,506	From Worksheet 1
x Cost of Capital Rate	0.1268560	
= Investment Return and Income Taxes	<u><u>\$68,440,399</u></u>	To Worksheet 1
INVESTMENT BASE (Excluding NEEWS CWIP)	\$524,961,751	From Worksheet 1
x Cost of Capital Rate	0.1268560	
= Investment Return and Income Taxes	<u><u>\$66,594,548</u></u>	To Worksheet 2

Post 2003 PTF Investment Base w/ Incremental 100 bps:

Plant In-Service	\$ 352,797,993	From Attachment 1
Accumulated Depreciation	(78,485,511)	From Worksheets 5 & 7
Accumulate Deferred Income Taxes	(81,516,631)	From Worksheets 5 & 7
Total Post-2003 Investment	\$ 192,795,851	Calculated

Incremental ROE:	1.00%	0.00642	Calculated
Federal Income Taxes:		0.00345	Per Attachment F
State Income Taxes:		0.00062	Per Attachment F
Cost of Capital Rate		0.01049	
Incremental Return and Taxes on Post-2003 PTF Investment		\$ 2,023,049	

NEEWS In-Service w/ Incremental 125 bps:

New England Power NEEWS In-Service	\$ 61,559,171	Plant Accounting Records
Accumulated Depreciation	(13,694,814)	From Worksheets 3 & 5
Accumulate Deferred Income Taxes	(14,223,710)	From Worksheets 3 & 5
Total New England Power NEEWS Investment	\$ 33,640,647	Calculated

Incremental ROE:	1.25%	0.00802	Calculated
Federal Income Taxes:		0.00432	Per Attachment F
State Income Taxes:		0.00078	Per Attachment F
Cost of Capital Rate		0.01312	
Incremental Return and Taxes on NEEWS PTF Investment		\$ 441,248	

NEEWS Allocation Factor

Total Transmission Investment	\$1,688,210,189	Worksheet 7 Line 2
Total NEEWS In-Service - NEP	\$ 61,559,171	Plant Accounting Records
For Accumulated Depreciation	3.6464%	
NEEWS Allocation Factor	3.6464%	
Plant Allocation Factor	0.992878	Worksheet 7 Line 16
For Accumulated Deferred Income Taxes	3.6204%	

New England Power Company
Annual Revenue Requirements
For Costs in 2012

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$410,350,000	35.75%	1.09%	0.39%	
PREFERRED STOCK	\$1,111,700	0.10%	6.02%	0.01%	0.01%
COMMON EQUITY	\$736,426,776	64.15%	12.89%	8.27%	8.27%
TOTAL INVESTMENT RETURN	\$1,147,888,476	100.00%		8.67%	8.28%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0867

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

=
$$\left(\frac{0.0828 + \left(\frac{(\$208,827)}{\$720,824} \right) / \$539,512,506}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0450956

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

=
$$\left(\frac{0.0828 + \left(\frac{(\$208,827)}{\$720,824} \right) / \$539,512,506}{1} \right) + \frac{0.0450956}{0.059466}$$

= 0.0081463

(a)+(b)+(c) Cost of Capital Rate = 0.1399419

New England Power Company

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	Source Reference for Col (1)
1	Transmission Plant				\$902,445,417	Attachment 1, Page 1
2	Less: Plant Assoc. HVDC Leases				\$0	Attachment 2
3	General Plant	\$6,334,460	99.7679% (a) \$6,319,758	53.4557% (b) \$3,378,271		FERC Form 1 page 207.99
4	Total (line 1+2+ 3)		<u>\$6,319,758</u>		<u>\$905,823,688</u>	
5	Transmission Plant Held for Future Use	\$1,027,771	\$1,027,771	53.4557% (b)	<u>\$549,402</u>	FERC Form 1 page 214.2,4,10
	<u>Transmission Accumulated Depreciation</u>					
6	Transmission Accumulated Depreciation	(\$375,569,141)	(\$375,569,141)	53.4557% (b)	(\$200,763,113)	FERC Form 1 page 219.25
7	General Plant Accumulated Depreciation	(\$5,112,522)	99.7679% (a) (\$5,100,656)	53.4557% (b)	(\$2,726,591)	FERC Form 1 Page 219.28
8	Total (line 6+ 7)		<u>(\$380,669,797)</u>		<u>(\$203,489,704)</u>	
	<u>Transmission Accumulated Deferred Taxes</u>					
9	Accumulated Deferred Taxes (281-283)	(\$354,894,512)	99.2878% (c) (\$352,366,953)	53.4557% (b)	(\$188,360,221)	FERC Form 1 page 113.62-64
10	Accumulated Deferred Taxes (190)	(\$40,795,291)	99.2878% (c) (\$40,504,747)	53.4557% (b)	(\$21,652,096)	FERC Form 1 page 111.82
11	Total (line 9+ 10)		<u>(\$392,871,700)</u>		<u>(\$210,012,317)</u>	
12	Transmission Loss on Reacquired Debt	\$282,898	100.0000% \$282,898	53.4557% (b)	<u>\$151,225</u>	FERC Form 1 Page 111.81c
	<u>Other Regulatory Assets</u>					
13	FAS 106	\$0	99.7679% (a) \$0	53.4557% (b)	\$0	
14	FAS 109 (Asset Account 182.3)	\$46,354,440	100.0000% \$46,354,440	53.4557% (b)	\$24,779,090	FERC Form 1 Page 232.6f
15	FAS 109 (Liability Account 254)	\$0	100.0000% \$0	53.4557% (b)	\$0	FERC Form 1 Page 278
16	Total (line 13+14+ 15)	<u>\$46,354,440</u>	<u>\$46,354,440</u>		<u>\$24,779,090</u>	
17	Transmission Prepayments	\$0	99.7679% (a) \$0	53.4557% (b)	<u>\$0</u>	FERC Form 1 Page 111.57c
18	Transmission Materials and Supplies	\$4,850,466	\$4,850,466	53.4557% (b)	<u>\$2,592,851</u>	FERC Form 1 Page 227.8c
19	<u>Cash Working Capital</u>					
20	Operation & Maintenance Expense				\$16,811,430	Worksheet 1, Line 20
21	Administrative & General Expense				\$19,728,699	Worksheet 1, Line 21
22	Transmission Support Expense				\$0	Worksheet 8
23	Subtotal (line 20+21+22)				<u>\$36,540,129</u>	
24					0.1250	x 45 / 360
25	Total (line 23 * line 24)				<u>\$4,567,516</u>	
26	NEEWS CWIP	\$14,550,755			<u>\$14,550,755</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)
<u>Depreciation Expense</u>						
1	\$37,176,180		\$37,176,180	53.4557%	\$19,872,787	FERC Form 1 Page 336.7b
2	\$357,944	99.7679% (a)	\$357,113	53.4557%	\$190,897	FERC Form 1 Page 336.10b
3			\$37,533,293		\$20,063,684	
4	\$136,332		\$136,332	53.4557%	\$72,877	FERC Form 1 Page 117.64c
5	(\$390,654)		(\$390,654)	53.4557%	(\$208,827)	FERC Form 1 Page 266.8f - Footnote (f)
6	\$28,674,108		\$28,674,108	53.4557%	\$15,327,945	FERC Form 1 Page 263.10,17,23,28,31i - Footnote (e)
<u>Transmission Operation and Maintenance</u>						
7	\$53,714,290		\$53,714,290	53.4557%	\$28,713,350	FERC Form 1 Page 321.112b
8	\$12,561,903		\$12,561,903	53.4557%	\$6,715,053	FERC Form 1 Page 321.96b
9	\$9,703,112		\$9,703,112	53.4557%	\$5,186,867	FERC Form 1 Page 321.84-92b less 87b
10	\$0				\$0	FERC Form 1 Page 321.93b & .98b
11	\$31,449,275		\$31,449,275	53.4557%	\$16,811,430	
<u>Transmission Administrative and General</u>						
12	\$38,153,781					FERC Form 1 Page 323.197b
13	\$113,624					FERC Form 1 Page 323.185b
14	\$3,651,329					FERC Form 1 Page 323.189b
15	(\$877)					FERC Form 1 Page 323.191b
16	\$34,389,705	99.7679% (a)	\$34,309,887	53.4557%	\$18,340,590	
17	\$113,624	99.2878% (c)	\$112,814	53.4557%	\$60,306	Line 13
18	\$2,502,633	99.2878% (c)	\$2,484,809	53.4557%	\$1,328,272	Attachment 5 Line 6
19	(\$877)		(\$877)	53.4557%	(\$469)	Line 15
20	\$0		\$0	53.4557%	\$0	FERC Form 1 Page 350.18c
21	\$37,005,085		\$36,906,633		\$19,728,699	
22	\$1,652,069	99.7679% (a)	\$1,648,234	53.4557%	\$881,075	FERC Form 1 Page 263.3,4i - Footnote (d)
(d) (d) Payroll taxes FERC Form 1, page 263.i						
(e) Property Taxes FF1, Page 263i						
Federal Unemployment	\$239,134		Massachusetts		\$0	
FICA	\$1,412,935		New Hampshire		\$0	
Payroll Taxes	\$0		Vermont		\$0	
State Unemployment	\$0		Maine		\$0	
Total	\$1,652,069		Rhode Island		\$0	
			Connecticut		\$0	
					\$28,674,108	

(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.			Source Reference
<u>PTF Transmission Plant Allocation Factor</u>		NEP	
1	PTF Transmission Investment	\$902,445,417	Attachment 1, Page 1
2	Total Transmission Investment	\$1,688,210,189	FERC Form 1 Page 207.58g - Page 200.4b
3	Percent Allocation (Line 1/Line 2)	53.4557%	
<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	\$16,931,400	General Ledger Query
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	\$16,931,400	
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	\$16,970,787	General Ledger Query
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	\$16,970,787	
11	Percent Allocation (Line 6/Line 10)	99.7679%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	\$1,688,210,189	Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	\$6,319,758	Worksheet 5, Line 3, Column 3
14	= Revised Numerator (Line 12 + Line 13)	\$1,694,529,947	
15	Total Plant in Service	\$1,706,685,081	FERC Form 1 Page 207.104g - Page 200.4b
16	Percent Allocation (Line 14 / Line 16)	99.2878%	
<u>Post-2003 PTF Allocation Factor</u>			
17	Total Post-2003 PTF Investment	\$ 352,797,993	Attachment 1 Line 7
18	Total Transmission Investment	\$1,688,210,189	Line 2
19	Percent Allocation (Line 17/Line 18) for Post-2003 to Total Tx	20.8978%	
20	Total Invst in Tx Plant/Total Plant in Serv *		
21	Post-2003 PTF Tx Plant/Total Invst in Tx Plant	20.7489%	Line 19 * Line 16

Shading denotes input

**New England Power Company
Pre-97 RNs Revenue Requirments
For Test Year Ended 12/31/2012**

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.

			TO
Participant	PTF Supporting Facilities	FERC Form 1 Reference	Revenues
NSTAR			(a)
	HQ Phase II - AC in MA	Pg 332 Line 5 Col (g)	
	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	
	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

Amount by which Support Expense exceeds Support Revenues
(To Worksheet 3, Line 22, Column 5)

New England Power Company
2012 Informational Filing
PTF Plant Allocation

				<u>Percent Pre/Post</u>
1	2011	Pre-1997 PTF Transmission Plant	\$350,215,608	
2	2011	Post-1996 PTF Transmission Plant	\$816,526,816	
3	2012	Additions/Retirements	\$85,430,412	
4	2012	Pre-1997 PTF Transmission Plant	\$349,727,420	27.93%
5	2012	Post-1996 PTF Transmission Plant	\$902,445,417	72.07%
6	2012	Total PTF Transmission Plant	\$1,252,172,836	100.00%
7	2012	Post-2003 PTF Transmission Plant	\$352,797,993	

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
2012

LINE NO		(HVDC) NHH/NEH LEASE
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)" which own and lease the HVDC interconnection facilities to the participants to the NEPOOL HVDC agreements.

New England Power Company
Determination of Book Depreciation on Equity AFUDC

2012

1	Total Current Year Book Depreciation on Equity AFUDC	\$1,351,211
2	Less: Specifically identified Transmission-Related	
	Tewksbury Line	\$54,708
	Hydro-Quebec	\$23,543
	Montaup Transmission Only 1990 - 1999	\$9,713
	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	\$157,122
	2012 Transmission	\$213,528
		\$963,619
3	Total unidentified Book Depreciation on Equity AFUDC	\$387,592
4	Plant Allocator Factor	99.2878%
5	Allocated Transmission Related Book Depreciation on Equity AFUDC	\$384,832
6	Plus: Specifically Identified Transmission-Related Equity AFUDC	\$963,619
7	Total Transmission-Related Equity AFUDC	\$1,348,451
8	Post-96 PTF Allocation Factor	53.4557%
9	Transmission-Related Equity AFUDC	\$720,824

Sources:

- 1 & 2 Transmission Rates includes \$9,713 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

	Narragansett <u>2012</u>	MECO <u>2012</u>
1 Total Integrated Facilities Charges	\$0	\$0
2 Total 2012 PTF Property	\$0	\$0
3 Total Transmission Plant in 2012	\$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 2011 Regulatory Commission Expense

Line No.		<u>2012</u>	<u>Source</u>
1	Total Regulatory Commission Expense - NEP	\$3,651,329	FERC Form1 Page 350.46d
2	Less: New Hampshire PUC Assessment	\$63,704	FERC Form1 Page 350.2d
3	Less: Mass Emergency Fund	\$0	FERC Form1 Page 350.7d
4	Less Mass DPU Special Assessment	\$229,133	FERC Form1 Page 350.8d
5	Less: Utility Expenses	\$855,859	FERC Form1 Page 350.46c
6	Total Federal Assessments	\$2,502,633	Line 1 - (Line 2-5)

Transmission Rents Received from Electric Property
New England Power Company

	<u>2012</u>
Revenues	\$1,129,406
Plant Allocation Factor	100.00%
Transmission Allocated	\$1,129,406
PTF Allocation	53.4557%
Total PTF Revenue	\$603,732

Source: Peoplesoft Activities #454002, 454020 and 454024 - see Analysis for details

Revenue for Short-Term Transmission Service under the NEPOOL Tariff
New England Power Company

	<u>2012</u>
Revenues	\$1,056,174
Post-96 PTF Percent	72.0704%
Total Post-96 PTF Revenue	\$761,189

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, 2013 through May 31, 2014

Revenue Requirements for Test Year: 2012

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>
Line No.		
Total of Attachment F - Sections A through I	1 <u>3,403,335</u> Pre-97 WS1, ln 14-22	<u>8,299,422</u> Post-96 WS1, ln 14-2
Total of Attachment F - Section J - Support Revenue	2 <u>0</u> Pre-97 WS1, ln 23	<u>0</u> Post-96 WS1, ln 23
Total of Attachment F - Section K - Support Expense	3 <u>680,124</u> Pre-97 WS1, ln 24	<u>0</u> Post-96 WS1, ln 24
Total of Attachment F - Section (L through O)	4 <u>(618)</u> Pre-97 WS1, ln 27	<u>(1,389)</u> Post-96 WS1, ln 27
Sub Total - Sum (A through I) - J + K + (L through O)	5 <u>4,082,841</u> Sum of above	<u>8,298,032</u> Sum of above
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	6 <u>N/A</u>	<u>\$836,295</u> Post-96 WS8, ln. 3
Annual True-up (per Attachment C to Attachment F Implementation Rule)	7 <u>\$ 460,464</u> TU WS4, line 16	<u>\$ 402,681</u> TU WS4, line 16
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	8 <u>\$ 4,543,305</u> lns. 5+6+7	<u>\$9,537,009</u> lns. 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)

\$14,080,313 Sum of lines 8 Pre-97 & Post-96 above

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.		Attachment F	Pre-'97	Reference
		Reference		
	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	17,678,497	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)		17,678,497	
5	Accumulated Depreciation	(A)(1)(d)	6,693,275	Pre-97 WS3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	1,496,752	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)		9,488,469	
10	Prepayments	(A)(1)(h)	14,824	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)	254,503	Pre-97 WS3, line 24 column 5
13	Total Investment Base (Line 9+10+11+12)		9,757,796	
	II. <u>REVENUE REQUIREMENTS</u>			
14	Investment Return and Income Taxes	(A)	1,292,273	Pre-97 WS2
15	Depreciation Expense	(B)	553,048	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)	199,483	Pre-97 WS4, line 9 column 5
19	Payroll Tax Expense	(F)	2,628	Pre-97 WS4, line 33 column 5
20	Operation & Maintenance Expense	(G)	885,297	Pre-97 WS4, line 14 column 5
21	Administrative & General Expense	(H)	470,605	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)	680,124	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)	(618)	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)		4,082,841	

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>12/31/11</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	\$ 16,080,443	40.00%	3.76%	1.50%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	24,120,665	60.00%	11.64%	6.98%	6.98%
TOTAL INVESTMENT RETURN	\$ 40,201,108	100.00%		8.48%	6.98%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0848

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

=
$$\left(\frac{0.0698 + \left(\frac{0 + 1,069}{9,757,796} \right) / 0.35}{1} \right) \times 0.35$$

= 0.0376436

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

=
$$\left(\frac{0.0698 + \left(\frac{0 + 1,069}{9,757,796} \right) / 0.0376436}{1} \right) + 0.085$$

= 0.0099913

(a)+(b)+(c) Cost of Capital Rate = 0.1324349

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 9,757,796	From Pre-97 WS1, line 13
x Cost of Capital Rate	0.1324349	
= Investment Return and Income Taxes	<u>1,292,273</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 Transmission Plant (Pre-'97 PTF)	17,678,497	Directly Assigned	17,678,497	Directly Assigned	17,678,497	Pre-97 WS 5, line 1
2 General Plant	0		0		0	
3 Total (line 1+2)					17,678,497	
4 <u>Transmission Plant Held for Future Use</u>	NA		NA		0	
<u>Transmission Accumulated Depreciation</u>						
5 Transmission Accum. Depreciation	6,693,275	Directly Assigned	6,693,275	Directly Assigned	6,693,275	From Plant Data Support 5
6 General Plant Accum. Depreciation	0		0		0	
7 Total (line 5+6)					6,693,275	
<u>Transmission Accumulated Deferred Taxes</u>						
8 Accumulated Deferred Taxes (281-283)	1,496,752	Directly Assigned	1,496,752	Directly Assigned	1,496,752	From Plant Data Support 5
9 Accumulated Deferred Taxes (190)	0		0		0	
10 Total (line 8+9)					1,496,752	
11 <u>Transmission loss on Reacquired Debt</u>	0		0		0	
<u>Other Regulatory Assets</u>						
12 FAS 106	0		0		0	
13 FAS 109	0		0		0	
14 Other Regulatory Liabilities (254)	0		0		0	
15 Total (line 12+13+14)					0	
16 <u>Transmission Prepayments (165)</u>	55,028	100.0000%	55,028	26.9388%	14,824	
17 <u>Transmission Materials and Supplies (154)</u>	0		0		0	
18 <u>Cash Working Capital</u>						
19 Operation & Maintenance Expense					885,297	Pre-97 WS 1, Line 20
20 Administrative & General Expense					470,605	Pre-97 WS 1, Line 21
21 Transmission Support Expense					680,124	Pre-97 WS 7
22 Subtotal (line 19+20+21)					2,036,027	
23					0.125	x 45 / 360
24 Total (line 22 * line 23)					254,503	

Notes:

References:

(a) Worksheet 5, line 3 (Pre-97 PTF/HTF Transmission Plant Allocation Factor)

Shading denotes an input

References:

- Page 5 of 34
-
- Pre-97 Worksheet #4



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 Add
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)	17,678,497	Plant Data Support or Form 1	
2	Total Transmission Investment	65,624,645	Plant Data Support or Form 1	
3	Percent Allocation (Line 1/Line 2)	26.9388%	Line 1 / line 2	
	<u>PTF/HTF Transmission Plant Allocation Factor</u>			
4	PTF Transmission Investment (Post-1996)	39,761,147	Plant Data Support or Form 1	
5	Total Transmission Investment	65,624,645	Plant Data Support or Form 1	
6	Percent Allocation (Line 4/Line 5)	60.5887%	Line 4 / line 5	87.5275%
	<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 Tr	
	<u>Plant Allocation Factor</u>			
15	Total Transmission Investment	65,624,645	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)	65,624,645	Sum Lines 15 + 16	
18	Total Plant in Service	65,624,645	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	17,678,497	Plant Data Support or Form 1	
21	PTF POST 1996 Transmission Investment	39,761,147	Plant Data Support or Form 1	
22	Total PTF Transmission Plant (Line 20+21)	57,439,644	Sum Lines 20 + 21	
23	Percentage PTF PRE 1997 Transmission Investment (Line 20 / 22)	30.7775%	Line 20 / Line 22	
24	Percentage PTF POST 1996 Transmission Investment (Line 21 / 22)	69.2225%	Line 21 / Line 22	
25	Total PTF Transmission Plant Percentage (Line 23 + 24)	100.0000%	Sum Lines 23 + 24	

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

Line	NHT
<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)	0
12 Total "Affiliated" Wages and Salaries	0
<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)	0
22 = 12 Total "Affiliated" less A&G	0

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.

Amount by which Support Expense exceeds Support Revenues	680,124
(To Worksheet 3, Line 21, Column 5)	

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Pre-97 Worksheet 7

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.	(a) Revenue Source	(b) Total Amount	Reference
1	TOUT Revenues	\$2,007	ISO-NE
2	Post-96 PTF Plant Allocator	69.2%	Post-96 WS5, line 24
3	Pre-97 PTF Plant Allocator	30.8%	Post-96 WS5, line 23
4	Post-96 Revenues	\$1,389	Line 1 x Line 2
5	Pre-97 Revenues	\$618	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)	39,761,147	Post-96 WS 3, line 1, column 5
2	General Plant	(A)(1)(b)	605,831	Post-96 WS 3, line 2, column 5
3	Plant Held For Future Use	(A)(1)(c)	553,788	Post-96 WS 3, line 5, column 5
4	Total Plant (Lines 1+2+3)		40,920,766	
5	Accumulated Depreciation	(A)(1)(d)	5,143,407	Post-96 WS 3, line 8, column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	8,457,027	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)		27,320,332	
10	Prepayments	(A)(1)(h)	33,341	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)	381,199	Post-96 WS 3, line 27, column 5
13	Total Investment Base (Line 9+10+11+12)		27,734,872	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes (Post-'96 / Pre-'04 Investments)	(A)	3,671,723	Post-96 WS2
15	Incentive Investment Return and Income Taxes (Eligible Investments)	(A)	0	Post-96 WS2A
16	Depreciation Expense	(B)	1,123,532	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)	448,662	Post-96 WS4, line 9 column 5
20	Payroll Tax Expense	(F)	5,910	Post-96 WS4, line 32 column 5
21	Operation & Maintenance Expense	(G)	1,991,143	Post-96 WS4, line 14 column 5
22	Administrative & General Expense	(H)	1,058,451	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)	(1,389)	Post-96 WS9, line 7 column b
29	Transmission Rents Received from Electric Property	(O)	0	NA
30				
31	Total Post-96 Revenue Requirements (Line 14 thru 29)		8,296,032	

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 12/31/11	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 16,080,443	40.00%	3.76%	1.50%	
PREFERRED STOCK	-	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY (see note)	24,120,665	60.00%	11.64%	6.98%	6.98%
TOTAL INVESTMENT RETURN	\$ 40,201,108	100.00%		8.48%	6.98%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0848

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

=
$$\left(\frac{0.0698 + (0 + 1.069) / 27,734,872}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0376054

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

=
$$\left(\frac{0.0698 + (0 + 1.069) / 27,734,872}{1} \right) + \frac{0.0376054}{0.085} \times \frac{0.085}{0.085}$$

= 0.0099811

(a)+(b)+(c) Cost of Capital Rate = 0.1323865

(PTF)

INVESTMENT BASE \$ 27,734,872 From Post-96 WS 1, line 13

x Cost of Capital Rate 0.1323865

= Investment Return and Income Taxes 3,671,723 To Post-96 WS 1, Line 14

Note: NHT's Proprietary Capital as stated in its 2012 FERC Form 1 has been adjusted to maintain a 40/60 debt/equity ratio for purposes of calculating its weighted cost of capital.

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 6.4% + 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	39,761,147	Directly Assigned	39,761,147	Directly Assigned	39,761,147	Post-96 WS 5, line 4
2	605,831	100.00%	605,831	Directly Assigned	605,831	Form 1 Data Sheet
3	40,366,978				40,366,978	
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	5,133,274	Directly Assigned	5,133,274	Directly Assigned	5,133,274	From Plant Data Support 5
7	10,133	Directly Assigned	10,133	Directly Assigned	10,133	Form 1 Data Sheet
8					5,143,407	
9	NA	0	NA	0	NA	
	<u>Transmission Accumulated Deferred Taxes</u>					
10	8,457,027	Directly Assigned	8,457,027	Directly Assigned	8,457,027	From Plant Data Support 5
11	0		0		0	
12					8,457,027	
13	NA	NA	NA	NA	(b) 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	
19	55,028	100%	55,028	60.5887%	33,341	From Form 1 Data worksheet
20	0		0		0	
	<u>Cash Working Capital</u>					
21					1,991,143	Post-96 WS 1, Line 21
22					1,058,451	Post-96 WS 1, Line 22
23					0	Post-96 WS 7
24					3,049,594	
25					0.125	x 45 / 360
26					381,199	
27						

Notes/ References:

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)
1	<u>Depreciation Expense</u>						
2	Transmission Depreciation - Post-'96 PTF (Note 1)	1,115,523	100.00%	1,115,523	Directly Assigned	1,115,523	Plant Data Support 5 worksheet
3	General Depreciation	8,009	Directly Assigned	8,009	Directly Assigned	8,009	
	Total (line 1+2)					1,123,532	
4	<u>Amortization of Loss on Recquired Debt</u>	0		0		0	
5	<u>Amortization of Investment Tax Credits</u>	0		0		0	
	<u>Property Taxes</u>						
7	Transmission Property Taxes (see note 2)	740,505	100%	740,505	60.5887% (a)	448,662	From Form 1 Data worksheet
8	General Property Taxes	0		0		0	
9	Total (line 7+8)	740,505				448,662	
	<u>Transmission Operation and Maintenance</u>						
10	Operation and Maintenance (Directly Assigned to Transmission; Allocated to PTF)	3,286,327	Directly Assigned (c)	3,286,327	60.5887% (a)	1,991,143	From Form 1 Data worksheet
11	Transmission of Electricity by Others (#565)	0		0		0	
12	Load Dispatching (#561)	0		0		0	
13	Station Expenses & Rents (#562 / #567)	0		0		0	
14	Total lines: 10, 11, 12 & 13	3,286,327				1,991,143	
	<u>Transmission Administrative and General</u>						
15	Administrative and General (see note 2)	1,746,943					From Form 1 Data worksheet
16	less Property Insurance (#524) (see note 2)	28,980					From Form 1 Data worksheet
17	less Regulatory Commission Expenses (#528) (see note 2)	24,247					From Form 1 Data worksheet
18	less General Advertising Expense (#930.1)	0					
19	Subtotal [line 15 minus (16 thru 18)]	1,693,716	Directly Assigned (b)	1,693,716	60.5887% (a)	1,026,201	
25	PLUS Property Insurance (see note 2)	28,980	100%	28,980	60.5887% (a)	17,559	From Form 1 Data worksheet
26	PLUS Regulatory Comm. Exp.: FERC Assessments (see note 2)	24,247	100%	24,247	60.5887% (a)	14,691	From Form 1 Data worksheet
27	PLUS Trans. Related General Advertising Expense	0		0		0	
28	Total A&G [line 19 plus (25 thru 27)]	1,746,943		0	60.5887% (a)	1,058,451	
32	Payroll Tax Expense - Transmission Related (see note 2)	9,755	Directly Assigned (b)	9,755	60.5887% (a)	5,910	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)	17,678,497	From Data Support 5 worksheet
2	Total Transmission Investment	65,624,645	From NHT 2011 Form 1 - See worksheet "Form 1 Data"
3	Percent Allocation	26.9388%	Line 1 / line 2
<u>PTF/HTF Transmission Plant Allocation Factor</u>			
4	PTF Transmission Investment (Post-1996)	39,761,147	From Data Support 1 & 4 worksheets
5	Total Transmission Investment	65,624,645	From NHT 2011 Form 1 - See worksheet "Form 1 Data"
6	Percent Allocation	60.5887%	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	266,684	Form 1
11	Administrative and General Wages and Salaries	266,684	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	65,624,645	Form 1
16	plus Transmission-Related General Plant	605,831	
17	Total Transmission Related Investment	66,230,476	Sum Lines 15 + 16
18	Total Plant in Service	66,230,476	Form 1
19	Percent Allocation	100.0000%	Line 17 / Line 18
<u>Pre-1997 and Post 1996 Transmission Plant</u>			
20	PTF PRE 1997 Transmission Investment	17,678,497	Plant Data Support or Form 1
21	PTF POST 1996 Transmission Investment	39,761,147	Plant Data Support or Form 1
22	Total PTF Transmission Plant	57,439,644	Sum Lines 20 + 21
23	Percentage PTF PRE 1997 Transmission Investment	30.7775%	Line 20 / Line 22
24	Percentage PTF POST 1996 Transmission Investment	69.2225%	Line 21 / Line 22
25	Total PTF Transmission Plant Percentage	100.0000%	Sum Lines 23 + 24

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	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.

Shading denotes an input			NHT	
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

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

I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS		Period	Attachment F Reference Section:	NHT	Reference
Line No.					
1	Forecasted Transmission Plant Additions	2013	Appendix C	\$4,123,400	Note 1
2	Carrying Charge Factor		Appendix C	20.28%	Line 15
3	Total Forecasted Revenue Requirements (Lines 1*2)			<u>\$836,295</u>	Line 1 x Line 2
II. CARRYING CHARGE FACTOR					
4	Investment Return and Income Taxes (Post-'96 / Pre-'04 Investments)		(A)	\$3,671,723	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)	1,123,532	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)	448,662	Post-96, WS 1, line 19
10	Payroll Tax Expense		(F)	5,910	Post-96, WS 1, line 20
11	Operation & Maintenance Expense		(G)	1,991,143	Post-96, WS 1, line 21
12	Administrative & General Expense		(H)	1,058,451	Post-96, WS 1, line 22
13	Total Expenses (Lines 4 thru 12)			<u>\$8,299,422</u>	Sum lines 4 thru 12
14	PTF Transmission Plant		(A)(1)(a)	<u>\$40,920,766</u>	Post-96, WS 1, line 4
15	Carrying Charge Factor (Lines 13/14)			<u>20.28%</u>	Line 13 / Line 15

Note:

Forecast Plant Addition includes following projects expected to be placed in service / closed to books by 12/31/13:

1	Replace 394 Terminal Equipment in transition yard	\$ 1,183,500
2	Replace NHT High Pot Test Set	825,400
3	Microwave to Fiber Network Installation NHT to PSNH	446,500
4	Replace 369 Line Tuner Unit-Coupling Cap	328,500
5	Replace 369 Line Tuner Unit-Coupling Cap	328,000
6	Replace 369 Line Tuner Unit-Coupling Cap	323,400
7	Replace (3) Wave Traps	254,800
8	Repair bridge covering GIS Bus work trench in protected area	203,000
9	Replacement of terminal yard equipment (3) lines	195,300
10	ROHE Monitoring System on GIS	<u>35,000</u>

Total Forecast Capital Additions 4,123,400

DONE

**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	\$2,007	NHT Accounting
2	Post-96 PTF Plant Allocator	69.2%	Post-96 WS5, line 24
3	Pre-97 PTF Plant Allocator	30.8%	Post-96 WS5, line 23
4	Post-96 Revenues	\$1,389	Line 1 x Line 2
5	Pre-97 Revenues	\$618	Line 1 x Line 3

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

Shading denotes an input

I. INVESTMENT BASE		Attachment F Reference Section:	PRE97	POST 1996	Reference
Line No.					
1	Transmission Plant		\$ 17,678,497	\$ 39,761,147	Per-97 and Post-96 WS1
2	General Plant	Appendix C	0	605,831	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)		\$ 17,678,497	\$ 40,920,766	Per-97 and Post-96 WS1
5	Accumulated Depreciation	Appendix C	\$ 6,693,275	\$ 5,143,407	Per-97 and Post-96 WS1
6	Accumulated Deferred Income Taxes	Appendix C	1,496,752	8,457,027	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)		\$ 9,488,469	\$ 27,320,332	Per-97 and Post-96 WS1
10	Prepayments	Appendix C	14,824	33,341	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	254,503	381,199	Per-97 and Post-96 WS1
13	Total Investment Base (Line 9+10+11+12)		\$ 9,757,796	\$ 27,734,872	Per-97 and Post-96 WS1
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	Appendix C	\$ 1,292,273	\$ 3,671,723	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	553,048	1,123,532	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	199,483	448,662	Per-97 and Post-96 WS1
20	Payroll Tax Expense	Appendix C	2,628	5,910	Per-97 and Post-96 WS1
21	Operation & Maintenance Expense	Appendix C	885,297	1,991,143	Per-97 and Post-96 WS1
22	Administrative & General Expense	Appendix C	470,605	1,058,451	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	680,124	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	(618)	(1,389)	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 2012 Form 1 Total Revenue Requirements (Line 14 thru 28)		\$ 4,082,841	\$ 8,298,032	Per-97 and Post-96 WS1
31	As-Filed / Billed June 1, 2012 - May 31, 2013 less True-Up component		\$ 3,637,227	\$ 7,908,337	June 2, 2009 RNS Rates
32	True-Up (Over) / Under Collection (line 30-31)		\$ 445,614	\$ 389,695	line 30 less line 31

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

Undercollection / (Overcollection)							
PRE97	\$	445,614	Over collection				
Post1996	\$	389,695	Over collection				
Net Total	\$	835,310	Overcollection		FERC		
Line No.	Initial Billing Period	PRE97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE97 Interest	POST 1996 Interest	
1	June 2012	\$ 445,614.48	\$ 389,695	0.27%	\$ 1,203	\$ 1,052	
					-		
2	July 2012	446,817.64	390,747.45	0.28%	1,251.09	1,094.09	
3	August 2012	446,817.64	390,747.45	0.28%	1,251.09	1,094.09	
4	September 2012	446,817.64	390,747.45	0.27%	1,206.41	1,055.02	
					-		
6	October 2012	450,526.23	393,990.65	0.28%	1,261.47	1,103.17	
7	November 2012	450,526.23	393,990.65	0.27%	1,216.42	1,063.77	
8	December 2012	450,526.23	393,990.65	0.28%	1,261.47	1,103.17	
					-		
9	January 2013	454,265.59	397,260.77	0.28%	1,271.94	1,112.33	
10	February 2013	454,265.59	397,260.77	0.25%	1,135.66	993.15	
11	March 2013	454,265.59	397,260.77	0.28%	1,271.94	1,112.33	
					-		
12	April 2013	457,945.15	400,478.58	0.27%	1,236.45	1,081.29	
13	May 2013	457,945.15	400,478.58	0.28%	1,282.25	1,121.34	
14			Total Interest		\$ 14,849	\$ 12,986	\$ 27,835
15			True-Up		\$ 445,614	\$ 389,695	\$ 835,310
16			Total TU & Int		\$ 460,464	\$ 402,681	\$ 863,145
							Over Collection Charged to PTF

CALCULATION OF PRE 1997 AND POST 1996
PLANT IN SERVICE AND ACCUMULATED DEPRECIATION

	Pre - 97	Post - 96										
		Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	Total Post - 96
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										
		Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	Total Post - 96
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	2007 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								
Deprec Exp.on Jan Addition/Retirement				265								265
Add:												
March Additions/Retirements				60								
Monthly Depreciation Rate = .0312 /12				0.0026								
Monthly Depreciation Expense				0.16								
March - December				9.5								
Deprec Exp.on March Addition/Retirement				1								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								
Deprec Exp.on August Addition/Retirement				220								220
Add:												
Sept Additions/Retirements				13,845								
Monthly Depreciation Rate = .0312 /12				0.0026								
Monthly Depreciation Expense				36.00								
Sept - December				3.5								
Deprec Exp.on Sept Addition/Retirement				126								126
Add:												
Oct Additions/Retirements				(448)								
Monthly Depreciation Rate = .0312 /12				0.0026								
Monthly Depreciation Expense				(1.16)								
Oct - December				2.5								
Deprec Exp.on June Addition/Retirement				(3)								(3)
Add:												
Nov. Additions/Retirements				448								
Monthly Depreciation Rate = .0312 /12				0.0026								
Monthly Depreciation Expense				1.16								
Nov. - December				1.5								
Deprec Exp.on June Addition/Retirement				2								2
Add:												
Dec Additions/Retirements				977								
Monthly Depreciation Rate = .0312 /12				0.0026								
Monthly Depreciation Expense				2.54								
December				0.5								
Deprec Exp.on Dec Addition/Retirement				1								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												
	671,504											89,127
YEAR 2007												
	Pre - 97 (PTF)	Post - 96 (PTF)										
		Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions						Total Post - 96

	Pre - 97	Post - 96										
		Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	Total Post - 96
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					8							
Mar - December					9.5							
Deprec Exp.on Mar Addition/Retirement					75							75
Add:												
April Additions/Retirements					(964)							
Monthly Depreciation Rate = .0312 /12					0.0026							
Monthly Depreciation Expense					(2,511)							
April - December					8.5							
Deprec Exp.on April Addition/Retirement					(21)							(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							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							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							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							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							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							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	666,878											102,101
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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										
		Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	Total Post - 96
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	665,310	62,698	991	18,859	12,437	14,651						109,636
Add:												
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							13					13
Add:												
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							32					32
Add:												
March Additions/Retirements	-						840					
Monthly Depreciation Rate = .0312 /12	0.0026						0.0026					
Monthly Depreciation Expense	-						2,16					
March - December	7,5						9,5					
Deprec Exp.on April Addition/Retirement	-						21					21
Add:												
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							53					53
Add:												
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							4					4
Add:												
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							286					286
Add:												
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							594					594
Add:												
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)									
		Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions			Total Post - 96
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										
		Pre -2004	2004 Additions	2005 Additions	2006 Additions	2007 Additions	2008 Additions	2009 Additions	2010 Additions	2011 Additions	2012 Additions	Total Post - 96
Plant in Service at 12/31/03	21,996,233	2,009,542										2,009,542
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

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	665,310	62,698	991	18,859	12,437	14,651	3,535					113,171
Add:												
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	(1,778)							14595				14,595
Add:												
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	-							(3)				(3)
Add:												
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	(539)							8,693				8,693
Add:												
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	52							1,450				1,450
Add:												
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	-							5,412				5,412
Add:												
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	-							933				933
Add:												
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	-							1,421				1,421
Add:												
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	-							72				72
Add:												
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	-							358				358
Add:												
Oct Additions/Retirements	(1,941,328)							(56,073)				
Monthly Depreciation Rate = .0312 /12	0.0026							0.0026				
Monthly Depreciation Expense	(5,047)							(145.79)				

[illegible]

Change in Plant in Service
Year 2010

Accounting

Month		PTF Only				Non PTF			LNS Sum of PTF, NPTF	GSU	SS	Project 52	Grand Total
		Additions	Retirements	Removal	Total PTF	NPTF	GSU-C	FUT	GSU-C,FUT				
January	Misc tools	3,447			3,447				3,447				3,447
March	Relay Upgrade 394 Line Terminal	227,714			227,714				227,714				227,714
March	Relay Upgrade 394 Line Terminal	227,714			227,714				227,714				227,714
March	SCADA UP REDAC Supv for PTF	(71)			(71)				(71)	-	-		(71)
April	Foundation for Newington Line terminal structures EY 7174, 7176		(227,913)		(227,913)				(227,913)				(227,913)
April	Gas cart/ tools	3,481			3,481				3,481				3,481
April	Foundation for Newington Line terminal structures	303,154			303,154				303,154				303,154
May	SCADA UP REDAC Supv for PTF	452			452				452				452
May	Termination Yard-Lightning Arrestors #2 EY Nbr 7175	91,104	(113,956)		(22,852)				(22,852)				(22,852)
	Reliability Upgrade Project	-			-				-			552,959	552,959
	Total	856,995	(341,869)	-	515,126	-	-	-	515,126	-	-	552,959	1,068,085
	Misc tools	3,447	-	-	3,447	-	-	-	3,447	-	-	-	3,447
	Gas cart/tools	3,481	-	-	3,481	-	-	-	3,481	-	-	-	3,481
	Relay Upgrade 394 Line Terminal	227,714	-	-	227,714	-	-	-	227,714	-	-	-	227,714
	Relay Upgrade 394 Line Terminal	227,714	-	-	227,714	-	-	-	227,714	-	-	-	227,714
	Termination Yard-Lightning Arrestors #2 EY Nbr 7175	91,104	(113,956)		(22,852)				(22,852)				(22,852)
	Foundation for Newington Line terminal structures EY 7174, 7176	303,154	(227,913)		75,241				75,241				75,241
	SCADA UP REDAC Supv for PTF	381	-	-	381	-	-	-	381	-	-	-	381
	Total Excl Reliability Upgrade Project (5-Breaker Project)	856,995	(341,869)	-	515,126	-	-	-	515,126	-	-	-	515,126
	Reliability Upgrade Project (5-Breaker Project)				-				-			552,959	552,959
	Total Incl Reliability Upgrade Project (5-Breaker Project)	856,995	(341,869)	-	515,126	-	-	-	515,126	-	-	552,959	1,068,085

New Hampshire Transmission, LLC

June-December 2010

		PTF Only				Non PTF			LNS PTF, NPTF	GSU	SS	Project 52	Grand Total
		Additions	Retirements	Removal	Total PTF	NPTF	GSU-C	FUT	GSU-C,FUT				
June	CIAC				-				-			(17,052,629)	(17,052,628.63)
September	Retire Sequence Event Recorder - EY 5652		(28,566.75)		(28,566.75)			(25,179.64)	(25,179.64)				(53,746.39)
September	Retire Fault Recorder / Oscillograph - EY 3501		(87,281.97)		(87,281.97)			(13,436.60)	(13,436.60)				(100,718.57)
October	Adj- Contractor / Consultant Invoice - MEPP1				-				-			(2,170,306)	(2,170,306.00)
November	APP Engineering Model Recorder	390,061.28			390,061.28				-		130,020.43		520,081.71
November	Relay Protection Equipment	474,811.65			474,811.65				-				474,811.65
November	Adj- Contractor / Consultant Invoice - PGS				-				-			5,078.79	5,078.79
December	Adjustment to removal cost				-				-			991,493.00	991,493.00
December	Cap interest paid by NextEra Energy Seabrook				-				-			(245,430.00)	(245,430.00)
	Total	864,872.93	(115,848.72)	-	749,024.21	-	-	(38,616.24)	(38,616.24)	-	130,020.43	(18,471,792.84)	(17,631,364.45)

Line

161

162			88.22889%			PTF	NPTF	PTF			Total						
163	Depreciation Expense for 2009	MEMO ONLY							GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Project 52	Total	
164																	
165	January, 2009	\$ 140,833	124,256	65,431	2,932	68,362	7,122	951	76,436	44,114	65	4,601	0	125,216			
166	February 2009	\$ 140,836	124,258	65,988	2,939	68,927	7,144	951	77,023	44,114	65	4,601	0	125,803			
167	March, 2009	\$ 140,839	124,260	66,417	2,938	69,355	7,143	951	77,449	44,114	64	4,595	0	126,223			
168	April, 2009	\$ 140,844	124,265	66,934	2,937	69,871	7,143	950	77,964	44,114	63	4,590	0	126,732			
169	May, 2009	\$ 140,848	124,269	67,383	2,937	70,321	7,143	950	78,414	44,114	63	4,591	0	127,182			
170	June, 2009	\$ 140,873	124,291	67,816	2,937	70,753	7,143	950	78,846	44,114	63	4,591	0	127,614			
171	July, 2009	\$ 140,897	124,312	68,017	2,937	70,954	7,143	950	79,047	44,114	63	4,591	0	127,815			
172	Aug, 2009	\$ 140,897	124,312	68,154	2,937	71,091	7,143	950	79,184	44,114	63	4,591	0	127,952			
173	Sept, 2009	\$ 140,897	124,312	68,213	2,937	71,151	7,143	950	79,243	44,114	63	4,591	0	128,012			
174	Oct, 2009	\$ 141,077	124,470	65,668	2,571	68,238	7,046	871	76,155	44,114	63	4,493	58,942	183,768			
175	Nov, 2009	\$ 141,256	124,629	63,073	2,204	65,277	6,949	791	73,017	44,114	63	4,396	119,353	240,943			
176	Dec, 2009	\$ 141,256	124,629	63,090	2,204	65,294	6,949	791	73,034	44,114	63	4,396	120,822	242,429			
177	Total Jan - December 2009	1,691,353	1,492,262	796,182	33,413	829,595	85,210	11,007	925,812	529,370	763	54,627	299,116	1,809,688			
178																	
179			88.22889%			PTF	NPTF	PTF			Total	Memo Only					
180	As of December 31, 2009	100%							GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Project 52	Total	
181		MEMO ONLY															
182	Plant in Service (per ABB Study - adjusted)	\$ 58,733,366	\$ 51,819,797	\$ 24,271,216	\$ 847,708	\$ 25,118,924	\$ 2,672,818	\$ 304,353	\$ 28,096,094	\$ 16,966,982	\$ 24,301	\$ 1,690,608	\$ 46,469,812	\$ 46,777,986			
183																	
184	Accumulated Depreciation	\$ 29,176,596	\$ 25,742,187	\$ 7,891,939	\$ 100,402	\$ 7,992,341	\$ 1,187,793	\$ 79,756	\$ 9,259,891	\$ 8,140,665	\$ 4,479	\$ 710,655	\$ 299,116	\$ 18,115,689			
185	Net Plant	\$ 29,556,770	\$ 26,077,610	\$ 16,379,277	\$ 747,305	\$ 17,126,582	\$ 1,485,024	\$ 224,597	\$ 18,836,203	\$ 8,826,318	\$ 19,823	\$ 979,953	\$ 46,170,696	\$ 28,662,297			
186																	
187	2009 Changes	Additions	1,548,506	1,366,230	1,343,187	5,825	1,349,012	17,218	1,366,230	-	-	-	46,469,812	1,366,230			
188		Removal	(1,476,839)	(1,302,999)	(1,039,877)	(150,655)	(39,730)	(32,604)	(1,262,866)	-	-	(40,132.95)	-	(1,302,999)			
189		Retirements	(2,855,534)	(2,519,406)	(2,020,274)	(282,848)	(2,303,122)	(74,905)	(61,564)	(2,439,591)	-	(779)	(79,036)	(2,519,406)			
190		Depreciation	1,691,353	1,492,262	796,182	33,413	829,595	85,210	11,007	925,812	529,370	763	54,627	299,116	1,510,572		
191																	
192																	
193																	
194																	
195			88.22889%			PTF	NPTF	PTF			Total	Memo Only					
196	Depreciation Expense for 2010	MEMO ONLY							GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Project 52	Total	
197																	
198	January, 2010	\$ 140,833	124,256	63,379	2,204	65,583	6,949	791	73,324	44,114	63	4,396	120,822	242,718			
199	February 2010	\$ 140,836	124,258	65,488	2,204	67,692	6,949	791	75,433	44,114	63	4,396	120,822	244,827			
200	March, 2010	\$ 140,839	124,260	65,014	2,204	67,218	6,949	791	74,959	44,114	63	4,396	123,539	247,071			
201	April, 2010	\$ 140,844	124,265	63,603	2,204	65,807	6,949	791	73,548	44,114	63	4,396	124,251	246,372			
202	May, 2010	\$ 140,848	124,269	64,474	2,204	66,678	6,949	791	74,418	44,114	63	4,396	122,252	245,244			
203	Total Jan - May 2010	704,199	621,307	321,958	11,020	332,979	34,747	3,957	371,682	220,571	316	21,978	611,686	1,226,232			
204																	
205			88.22889%			PTF	NPTF	PTF			Total	Memo Only					
206	As of May 31, 2010	100%							GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Project 52	Total	
207		MEMO ONLY															
208	Plant in Service (per ABB Study - adjusted)	\$ 60,092,178	\$ 53,018,662	\$ 24,786,342	\$ 847,708	\$ 25,634,050	\$ 2,672,818	\$ 304,353	\$ 28,611,220	\$ 16,966,982	\$ 24,301	\$ 1,690,608	\$ 47,022,772	\$ 47,293,112			
209																	
210	Accumulated Depreciation	\$ 30,421,273	\$ 26,840,352	\$ 7,737,039	\$ 111,423	\$ 7,848,462	\$ 1,222,540	\$ 83,712	\$ 9,154,714	\$ 8,361,236	\$ 4,795	\$ 732,633	\$ 910,802	\$ 18,253,377			
211	Net Plant	\$ 29,670,904	\$ 26,178,310	\$ 17,049,303	\$ 736,285	\$ 17,785,588	\$ 1,450,278	\$ 220,640	\$ 19,456,506	\$ 8,605,747	\$ 19,507	\$ 957,975	\$ 46,111,969	\$ 29,039,735			
212																	
213	2010 Changes	Additions	971,332	856,995	856,995	-	856,995	-	856,995	-	-	-	552,959	856,995			
214		Removal	(152,999)	(134,989)	(134,989)	-	(134,989)	-	(134,989)	-	-	-	-	(134,989)			
215		Retirements	(387,480)	(341,869)	(341,869)	-	(341,869)	-	(341,869)	-	-	-	-	(341,869)			
216		Depreciation	704,199	621,307	321,958	11,020	332,979	34,747	3,957	371,682	220,571	316	21,978	611,686	614,546		
217																	
218			88.22889%			PTF	NPTF	PTF			Total	Memo Only					
219	Depreciation Expense for 2010	MEMO ONLY							GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Project 52	Total	
220																	
221	June, 2010	\$ 174,726	154,159	64,470	2,215	66,685	6,985	795	74,465	44,114	87	4,294	75,314	154,159			
222	July 2010	\$ 174,726	154,159	64,470	2,215	66,685	6,985	795	74,465	44,114	87	4,294	75,314	154,159			
223	August, 2010	\$ 174,726	154,159	64,470	2,215	66,685	6,985	795	74,465	44,114	87	4,294	75,314	154,159			
224	September, 2010	\$ 174,726	154,159	64,470	2,215	66,685	6,985	795	74,465	44,114	87	4,294	75,314	154,159			
225	October, 2010	\$ 174,726	154,159	64,470	2,215	66,685	6,985	795	74,465	44,114	87	4,294	75,314	154,159			
226	November, 2010	\$ 174,726	154,159	64,470	2,215	66,685	6,985	795	74,465	44,114	87	4,294	75,314	154,159			
227	December, 2010	\$ 174,726	154,159	64,470	2,215	66,685	6,985	795	74,465	44,114	87	4,294	75,314	154,159			
228	Total Jun-Dec 2010	1,223,085	1,079,114	451,288	15,507	466,795	48,893	5,567	521,255	0	606	30,057	527,196	1,079,114			
229																	
230			88.22889%			PTF	NPTF	PTF			Total	Memo Only					
231	As of December 31, 2010	100%							GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Project 52	Total	
232		MEMO ONLY															
233	Plant in Service (per ABB Study - adjusted)	\$ 61,394,879	\$ 54,168,020	\$ 25,496,750	\$ 847,708	\$ 26,344,458	\$ 2,672,818	\$ 304,353	\$ 29,321,628	\$ 16,966,982	\$ 24,301	\$ 1,820,628	\$ 28,550,979	\$ 48,133,540			
234																	
235	Accumulated Depreciation	\$ 31,819,431	\$ 28,073,931	\$ 8,033,862	\$ 126,930	\$ 8,160,791	\$ 1,271,433	\$ 89,280	\$ 9,521,504	\$ 8,361,236	\$ 5,401	\$ 762,690	\$ 2,429,491	\$ 18,650,831			
236	Net Plant	\$ 29,575,448	\$ 26,094,089	\$ 17,462,888	\$ 720,778	\$ 18,183,666	\$ 1,401,385	\$ 215,073	\$ 19,800,124	\$ 8,605,747	\$ 18,900	\$ 1,057,938	\$ 26,121,488	\$ 29,482,710			
237																	
238	July- Dec 2010 Changes	Additions	1,127,628	994,893	864,873	-	864,873	-	864,873	-	-	-	130,020.43	994,893			
239		CIAC	-	-	-	-	-	-	-	-	-	-	-	(1,419,164)			
240		Removal	-	-	-	-	-	-	-	-	-	-	-	(17,052,629)			
241		Adjustment to acc. Deprec	-	-	-	-	-	-	-	-	-	-	-	991,493			
242		Retirements	(175,073)	(154,465)	(154,465)	-	(154,465)	-	(154,465)	-	-	-	-	(154,465)			
243		Depreciation	1,223,085	1,079,114	451,288	15,507	466,795	48,893	5,567	521,255	0	606	30,057	527,196	551,918		
244																	
245			88.22889%			PTF	NPTF	PTF			Total	Memo Only					
246	Depreciation Expense for 2011	MEMO ONLY							GSU-C	FUT	LNS	GSU	GSU-Diff	SS	Project 52	Total	
247																	

262				88,22889%		PTF			Total	Memo Only						
263						NPTF		GSU-C	FUT	GSU	GSU-Diff	SS	Project 52		Total	
264	As of December 31, 2011		100%													
265			MEMO ONLY													
266	Plant in Service (per ABB Study - adjusted)		\$ 79,007,455	\$ 69,707,401	\$ 25,869,818	\$ 857,471	\$ 26,727,289	\$ 2,094,384	\$ 304,353	\$ 29,126,026	\$ 16,966,982	\$ 124,816	\$ 1,834,789	\$ 28,550,979	\$ 48,052,613	
267	Accumulated Depreciation		\$ 50,407,848		7,814,490	153,523	7,968,013	7,955,609	98,775	8,822,398	8,361,236	8,540	818,903	2,752,450	18,011,077	
268	Net Plant		\$ 28,599,607	\$ 25,233,116	\$ 18,055,328	\$ 703,948	\$ 18,759,276	\$ 1,338,775	\$ 205,577	\$ 20,303,628	\$ 8,605,747	\$ 116,275	\$ 1,015,886	\$ 25,798,429	\$ 30,041,537	
269																
270	Jan- Dec 2011 Changes															
271	Additions	1,750,311	1,544,280	1,360,065	9,764	1,369,829	21,159	-	1,390,988	-	100,514.08	52,777.92			1,544,280	
272	CIAC	-														
273	Removal	(625,972)	(552,288)		-	-	-	-	-	-	-	-			-	
274	Scrap sale															
275	Adst to classif.(retirement 2010)***			38,617												
276	Adjustment to acc. Deprec	-										(38,617)			(38,617)	
277	Retirements	(15,862,264)	(13,995,100)	(1,025,614)		(1,025,614)	(599,593)	-	(1,625,207)	-	-	-		(12,369,893)	(1,625,207)	
278	Depreciation	2,100,180	1,852,966	806,241	26,594	832,835	83,769	9,496	926,100	0	3,139	56,213		865,513	985,452	

299 88.22889% PTF Total Memo Only

	Adjusted			NHT Share		
	Phase I	Phase II	Total Cost	Phase I	Phase II	Total Cost
Facilities Description -Seabrook Reliability Upgrade - 5 Breaker Project						88.22889%
GSU Breakers (11 & 12)	11,011,497	11,731,606	22,743,103	9,715,322	10,350,666	20,065,987
Structure	13,602,174		13,602,174	12,001,047	-	12,001,047
Newington Replacement Breakers / Associated Bus	13,156,731	679,900	13,836,631	11,608,038	599,868	12,207,906
Breaker 25	4,984,349		4,984,349	4,397,636	-	4,397,636
Bus 1 Connection (50% Newington / 50% GSU)	2,195,489	620,997	2,816,486	1,937,055	547,899	2,484,954
Bus 2 Connection (50% Newington / 50% GSU)	2,744,586	620,997	3,365,583	2,421,518	547,899	2,969,417
Bus 5	3,306,181		3,306,181	2,917,007	-	2,917,007
	51,001,007	13,653,500	64,654,507	44,997,622	12,046,331	57,043,954

Plant Cost of Direct Assignment Charges excluded from F	Phase I	Percentage	Phase II	Percentage	Total	Percentage
	DAF	of Plant		of Plant	DAF	of Plant
	9,715,322	21.5907%	10,350,666	85.9238%	20,065,987	35.1764%
	4,800,419	10.6682%	-	0.0000%	4,800,419	8.4153%
	968,528	2.1524%	273,949	2.2741%	1,242,477	2.1781%
	1,210,759	2.6907%	273,949	2.2741%	1,484,708	2.6027%
	16,695,027	37.1020%	10,898,564	90.4721%	27,593,592	48.3725%

Plant Cost of 5-Breaker Project PTF included in RNS	RNS	Percentage	RNS	Percentage	RNS	Percentage
		of Plant		of Plant		of Plant
	7,200,628	16.0022%	-	0.0000%	7,200,628	12.6229%
	11,608,038	25.7970%	599,868	4.9797%	12,207,906	21.4009%
	4,397,636	9.7730%	-	0.0000%	4,397,636	7.7092%
	968,528	2.1524%	273,949	2.2741%	1,242,477	2.1781%
	1,210,759	2.6907%	273,949	2.2741%	1,484,708	2.6027%
	25,385,588	56.4154%	1,147,767	9.5279%	26,533,355	46.5139%

26,533,355 90.10%

Plant Cost of 5-Breaker Project PTF included in LNS	LNS	Percentage	LNS	Percentage	LNS	Percentage
		of Plant		of Plant		of Plant
	2,917,007	6.4826%	-	0.0000%	2,917,007	5.1136%

2,917,007 9.90%

Supporting information for calculation of FPL-NED's Annual Transmission Revenue Requirements

Derivation of Depreciation Expense				
Depreciation Expense Not Related to Reliability Upgrade	(a) Percentage	(b) Source	(c) Pool-Supported PTF	Source
Total PTF Related	100.00%	NA	\$ 845,040	Form 1 adj.
Pre-97 PTF	65.45%	NA	553,048	Plant Data Support 1
Post-96 PTF	34.55%	NA	291,992	Plant Data Support 1 & 5
Depreciation Expense Related to Reliability Upgrade	Percentage	Source	Reliability Upgrade (See Note)	Source
Total Related to Reliability Upgrade Project	100.00%	NA	\$ 914,067	Form 1
Amount Related to Pool-Supported PTF	90.10%	Plant Data Support 4	823,530	(a) x (c)
Amount Related to Non-PTF	9.90%	Plant Data Support 4	90,537	(a) x (c)

Derivation of Accumulated Depreciation Reserve				
Accumulated Depreciation Reserve Not Related to Reliability Upgrade	(a) Percentage	(b) Source	(c) Pool-Supported PTF	Source
Total PTF Related	100.00%	NA	\$ 8,032,576	Form 1 adj.
Pre-97 PTF	83.33%	NA	6,693,275	Plant Data Support 1
Post-96 PTF	16.67%	NA	1,339,301	Plant Data Support 1 & 5
Accumulated Depreciation Reserve Related to Reliability Upgrade	Percentage	Source	Reliability Upgrade (See Note)	Source
Total Related to Reliability Upgrade Project	100.00%	NA	\$ 4,211,073	Form 1
Amount Related to Pool-Supported PTF	90.10%	Plant Data Support 4	3,793,974	(a) x (c)
Amount Related to Non-PTF	9.90%	Plant Data Support 4	417,099	(a) x (c)

Derivation of Accumulated Deferred Income Taxes					
Accumulated Deferred Income Taxes Not Related to Reliability Upgrade	(a) Percentage	(b) Source	(c) Pool-Supported PTF	Source	Row /Col. Reference
Total PTF Related	100.00%	NHT Accounting	\$ 4,863,135	NHT Accounting	1
Pre-97 PTF	30.78%	Post-96 WS5	1,496,752	Row 12. col. (c)	2
Post-96 PTF	69.22%	Post-96 WS5	3,366,383	Row 13. col. (c)	3
Accumulated Deferred Income Taxes Related to Reliability Upgrade	(a) Percentage	(b) Source	(c) Reliability Upgrade	Source	
Total Related to Reliability Upgrade Project	100.00%	NHT Accounting	\$ 5,650,296	NHT Accounting	4
Amount Related to Pool-Supported PTF	90.10%	Plant Data Support 4	5,090,644	Row 8(a) x Row 7(c)	5
Amount Related to Non-PTF	9.90%	Plant Data Support 4	559,652	Row 9(a) x Row 7(c)	6

	Assets	NHT Form 1	Adj from Form 1	Notes
ELECTRIC UTILITY PLAN:				
Transmission Plant in service		\$ 65,624,645		
Held for Future Use		553,788		Not included in Transmission Plant In-Service Balance
Electric Plant In Service Subcategory:				
Pool Transmission Facilities (PTF)		\$ 31,716,590		adjusted from Form 1 to exclude \$ 553,788 Plant Held for Future Use included in this category
Non-Pool Transmission Facilities (NPTF)		3,328,526		
Reliability Upgrade (Pool Supported PTF/NPTF TBD)		28,550,979		
Amounts excluded under the LNS Tariff		2,028,550		
Total Transmission Plant In-Service (incl. Plant Held for Future Use)		\$ 65,624,645		adjusted to exclude \$ 553,788 Plant Held for Future Use
Construction work in progress				
Transmission Related General Plant		\$ 605,831		
General Plant Related Accumulated Depreciation Reserve included below.		10,133		
Accumulated Provision for Depreciation Transmission Plant		\$ 14,177,202		
Accumulated Provision for Depreciation Subfunctional Category:				
Pool Transmission Facilities (PTF)		\$ 8,564,229	\$ 8,032,576	reflects removal costs of \$522,020 in addition to reassignment of \$9,632 of General Plant related reserve.
Non-Pool Transmission Facilities (NPTF)		1,047,915	1,047,415	reflects reassignment of General Plant related reserve
Reliability Upgrade (Pool Supported PTF/NPTF TBD)		3,689,053	4,211,073	reflects reassignment of General Plant related reserve
General Plant Related		-	10,133	See above under Transmission Related General Plant per Accounting Records
Amounts excluded under the LNS Tariff		876,005	876,005	
Total Accumulated Provision		\$ 14,177,202	\$ 14,177,202	
Accumulated Deferred Taxes Assets				
Accumulated Deferred Taxes Assets - Other		-		
Total Accumulated Deferred Taxes - Assets		-		
Accumulated Deferred Taxes - Liabilities				
Accumulated Deferred Taxes - Liabilities - Other		10,046		Excludes \$146,118 of non-property related deferred taxes per NHT Accounting
Accumulated Deferred Taxes - Liabilities - Transmission Related		\$ 11,309,839		
Total Accumulated Deferred Taxes - Liabilities		\$ 11,319,885		
Total Net Accumulated Deferred Taxes		\$ 11,319,885		
EXPENSES				
Depreciation Expense		\$ 1,919,518		
Pool Transmission Facilities (PTF)		853,049	845,040	
Non-Pool Transmission Facilities (NPTF)		89,190	88,940	
Reliability Upgrade (Pool Supported PTF/NPTF TBD)		914,067	914,067	
General Plant Related		-	8,259	\$8,009 is directly assigned to PTF per accounting records
Amounts excluded under the LNS Tariff		63,212	63,212	
		\$ 1,919,518	\$ 1,919,518	
O & M Expense				
O&M excluding Transmission Support Payments		3,286,327		
Transmission Support Payments		680,124		
A & G Expense				
Property Insurance Expense		\$ 28,980		
Regulatory Commission Expense		24,247		
Other A&G Expenses		1,693,716		
Total Administrative and General Expenses		\$ 1,746,943		
Transmission Wages and Salaries		-		
Administrative and General Wages and Salaries		266,684		
Total Wages and Salaries		\$ 266,684		
Other				
Prepayments		\$ 55,028		
Supporting Information From Form 1				
FERC Account	Prepayments	55,028		
165	Taxes Other than Income Taxes - Payroll Taxes	9,755		From NHT Accounting Records
408.1	Taxes Other than Income Taxes - Property Taxes	740,505		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			
411.1	Interest Income			
419	Interest Expense	615,125		
430	Interest Expense			
	AFUDC Equity Depreciation	1,069		From NHT Accounting
432	Tariff Revenue			
456	Reliability Planning and Standards Development	148,980		Not shown on 450.2
561.5	Reliability Planning and Standards Development Services	705,728		Not shown on 450.3
561.8	Station Expense - Support Payments	680,124		
562	Station Expense - Other	870,739		
562	Station Expense - Other	25,159		This amount rolled together with Support Expense on pg. 450.2
562	Misc. Transmission Expense	16,031		
566	Maintenance of Station Equipment	1,519,690		
568-573	Total O&M Less Support Payments	3,286,327		
920	Administrative and General Salaries	266,684		
921	A&G - Office Supplies & Expenses	146,029		
922	A&G / Overhead	-		
923	Outside Services	1,255,634		
924	Property Insurance	28,980		
925	Injuries and Damages	(11,783)		
926	Pension & Welfare	21,493		
928	Regulatory Commission Expense	24,247		
930.1	General Advertising Expense	-		
930.2	Misc. General Expense	8,116		
930.3	Rents	7,543		
	Total A&G	1,746,943		

INTEREST PAID BY NHT ON LONG TERM DEBT DURING 2012

	End Date	Draws	Total Outstanding	Interest Rate	Daily Interest	# Days	Interest	Interest Accrued-to-Date
12/31/2012	12/31/2012	(\$9,235,449.00)	\$ 16,080,443.00					\$ 244,473.67
1/26/2012	1/26/2012		\$ 16,080,443.00		Interest received in January		\$ (244,473.67)	\$ 0.00
1/1/2012	1/31/2012		\$ 16,080,443.00	0.038588263	\$ 1,723.66	31	\$ 53,433.35	\$ 53,433.35
2/1/2012	2/29/2012		\$ 16,080,443.00	0.038643445	\$ 1,726.12	29	\$ 50,057.52	\$ 103,490.88
3/1/2012	3/31/2012		\$ 16,080,443.00	0.039359377	\$ 1,758.10	31	\$ 54,501.12	\$ 157,992.00
4/26/2012	4/26/2012		\$ 16,080,443.00		Interest received in April		\$ (157,991.99)	\$ 0.01
4/1/2012	4/30/2012		\$ 16,080,443.00	0.040656152	\$ 1,816.02	30	\$ 54,480.74	\$ 54,480.75
5/1/2012	5/31/2012		\$ 16,080,443.00		Interest received in May		\$ (54,480.74)	\$ 0.01
5/1/2012	5/31/2012		\$ 16,080,443.00	0.041727558	\$ 1,863.88	31	\$ 57,780.35	\$ 57,780.36
6/1/2012	6/30/2012		\$ 16,080,443.00	0.040470243	\$ 1,807.72	30	\$ 54,231.62	\$ 112,011.98
7/1/2012	7/31/2012		\$ 16,080,443.00		Interest received in July		\$ (112,011.97)	\$ 0.01
7/1/2012	7/31/2012		\$ 16,080,443.00	0.039819590	\$ 1,778.66	31	\$ 55,138.38	\$ 55,138.39
8/1/2012	8/31/2012		\$ 16,080,443.00	0.039612108	\$ 1,769.39	31	\$ 54,851.08	\$ 109,989.46
9/1/2012	9/30/2012		\$ 16,080,443.00	0.036129790	\$ 1,613.84	30	\$ 48,415.25	\$ 158,404.72
10/1/2012	10/31/2012		\$ 16,080,443.00		Interest received in October		\$ (158,404.72)	\$ (0.00)
10/1/2012	10/31/2012		\$ 16,080,443.00	0.034919077	\$ 1,559.76	31	\$ 48,352.61	\$ 48,352.61
11/1/2012	11/30/2012		\$ 16,080,443.00	0.027099086	\$ 1,210.46	30	\$ 36,313.78	\$ 84,666.39
12/1/2012	12/31/2012		\$ 16,080,443.00	0.034353454	\$ 1,534.50	31	\$ 47,569.39	\$ 132,235.78
1/1/2013	1/31/2013		\$ 16,080,443.00		Interest received in January		\$ (132,235.78)	\$ 0.00
1/1/2013	1/31/2013		\$ 16,080,443.00	0.033143725	\$ 1,480.46	31	\$ 45,894.28	\$ 45,894.28

sum Jan-Dec 2011

0.451378144

Average 2011

0.037614845

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

Submitted on: May 31, 2013

Revenue Requirements for (year): Calendar Year 2012

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>86,150,345</u> (a)	<u>539,693,158</u> (g)
Total of Attachment F - Section J - Support Revenue	<u>1,981,219</u> (b)	<u>-</u> (h)
Total of Attachment F - Section K - Support Expense	<u>3,170,401</u> (c)	<u>-</u> (i)
Total of Attachment F - Section (L through O)	<u>(5,623,921)</u> (d)	<u>6,634,189</u> (j)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>81,715,606</u> (e)=(a)-(b)+(c)+(d)	<u>546,327,347</u> (k)=(g)-(h)+(i)+(j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u> (f)	<u>58,644,000</u> (l)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>(4,285,580)</u> (m)	<u>(1,176,287)</u> (n)
Adjusted Sub Total (Sub Total + True-up)	<u>77,430,026</u> (o) = (e)+(f)+(m)	<u>603,795,060</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>681,225,086</u> (q) = (o) + (p)

Northeast Utilities System Companies'
Annual Revenue Requirements of PTF Facilities -2012
for Rates billed June 1, 2013 - May 31, 2014
Pre-1997

		Attachment F					
Line No.		Reference	CL&P	PSNH	WMECO	Total	Reference
I. INVESTMENT BASE							
		Section:					
1	Transmission Plant	(A)(1)(a)	361,958,032	88,921,115	60,136,541	511,015,688	W/S 3A,3B,3C line 1
2	General Plant	(A)(1)(b)	13,279,608	9,486,597	1,553,469	24,319,674	W/S 3A,3B,3C line 2
3	Plant Held For Future Use	(A)(1)(c)	176,226	1,376,383	2,313,958	3,866,567	W/S 3A,3B,3C line 4
4	Total Plant (Lines 1+2+3)		375,413,866	99,784,095	64,003,968	539,201,929	
5	Accumulated Depreciation	(A)(1)(d)	71,206,752	19,290,655	4,617,826	95,115,233	W/S 3A,3B,3C line 7
6	Accumulated Deferred Income Taxes	(A)(1)(e)	39,597,662	15,814,207	10,160,440	65,572,309	W/S 3A,3B,3C line 10
7	Loss On Reacquired Debt	(A)(1)(f)	808,764	284,248	47,817	1,140,829	W/S 3A,3B,3C line 11
8	Other Regulatory Assets	(A)(1)(g)	3,110,408	1,395,317	140,636	4,646,361	W/S 3A,3B,3C line 15
9	Net Investment (Line 4-5-6+7+8)		268,528,624	66,358,798	49,414,155	384,301,577	
10	Prepayments	(A)(1)(h)	3,008,139	623,895	2,105,782	5,737,816	W/S 3A,3B,3C line 16
11	Materials & Supplies	(A)(1)(i)	4,462,591	2,473,949	335,973	7,272,513	W/S 3A,3B,3C line 17
12	Cash Working Capital	(A)(1)(j)	1,314,328	492,030	222,747	2,029,105	W/S 3A,3B,3C line 24
13	Total Investment Base (Line 9+10+11+12)		277,313,682	69,948,672	52,078,657	399,341,011	
II. REVENUE REQUIREMENTS							
14	Investment Return and Income Taxes	(A)	36,270,688	8,698,257	6,274,280	51,243,225	W/S 2A,2B,2C
15	Depreciation Expense	(B)	8,805,891	2,115,095	738,221	11,659,207	W/S 4A,4B,4C line 3
16	Amortization of Loss on Reacquired Debt	(C)	73,678	34,041	2,053	109,772	W/S 4A,4B,4C line 4
17	Investment Tax Credit	(D)	(72,345)	(1,498)	(4,717)	(78,560)	W/S 4A,4B,4C line 5
18	Property Tax Expense	(E)	5,049,817	2,338,711	644,197	8,032,725	W/S 4A,4B,4C line 8
19	Payroll Tax Expense	(F)	96,661	32,459	11,201	140,321	W/S 4A,4B,4C line 19
20	Operation & Maintenance Expense	(G)	4,967,532	1,726,527	571,321	7,265,380	W/S 4A,4B,4C line 17
21	Administrative & General Expense	(H)	5,322,493	1,624,348	831,434	7,778,275	W/S 4A,4B,4C line 18
22	Transmission Related Integrated Facilities Charge	(I)	-	-	-	-	
23	Transmission Support Revenue	(J)	(1,581,882)	(399,337)	-	(1,981,219)	W/S 7
24	Transmission Support Expense	(K)	1,806,478	984,699	379,224	3,170,401	W/S 7
25	Transmission Related Expense from Generators	(L)	-	-	-	-	
26	Transmission Related Taxes and Fees Charge	(M)	1,560,987	24,269	3,182	1,588,438	Attachment B line 14
27	Revenue for ST Trans. Service Under the OATT	(N)	(248,631)	(64,887)	(41,383)	(354,901)	Attachment C line 9
28	Transmission Rents Received from Electric Property	(O)	(4,729,175)	(1,754,642)	(373,641)	(6,857,458)	
29	Total Revenue Requirements (Line 14 thru 28)		57,322,192	15,358,042	9,035,372	81,715,606	

Northeast Utilities System Companies'
Annual Revenue Requirements of PTF Facilities -2012
for Rates billed June 1, 2013 - May 31, 2014
Post-1996

		Attachment F Reference	CL&P	PSNH	WMECO	Total	Reference
Line No.	I. INVESTMENT BASE	Section:					
1	Transmission Plant	(A)(1)(a)	1,959,622,103	401,338,823	452,370,689	2,813,331,615	W/S 3A,3B,3C line 1
2	General Plant	(A)(1)(b)	71,895,294	42,816,936	11,685,791	126,398,021	W/S 3A,3B,3C line 2
3	Plant Held For Future Use	(A)(1)(c)	954,081	6,212,186	17,406,486	24,572,753	W/S 3A,3B,3C line 4
4	Total Plant (Lines 1+2+3)		2,032,471,478	450,367,945	481,462,966	2,964,302,389	
5	Accumulated Depreciation	(A)(1)(d)	385,510,667	87,066,705	34,737,062	507,314,434	W/S 3A,3B,3C line 7
6	Accumulated Deferred Income Taxes	(A)(1)(e)	214,380,244	71,376,060	76,430,746	362,187,050	W/S 3A,3B,3C line 10
7	Loss On Reacquired Debt	(A)(1)(f)	4,378,619	1,282,927	359,699	6,021,245	W/S 3A,3B,3C line 11
8	Other Regulatory Assets	(A)(1)(g)	16,839,630	6,297,644	1,057,922	24,195,196	W/S 3A,3B,3C line 15
9	Net Investment (Line 4-5-6+7+8)		1,453,798,816	299,505,751	371,712,779	2,125,017,346	
10	Prepayments	(A)(1)(h)	16,285,949	2,815,898	15,840,505	34,942,352	W/S 3A,3B,3C line 16
11	Materials & Supplies	(A)(1)(i)	24,160,298	11,165,955	2,527,320	37,853,573	W/S 3A,3B,3C line 17
12	Cash Working Capital	(A)(1)(j)	6,963,725	1,890,486	1,319,008	10,173,219	W/S 3A,3B,3C line 24
13	Total Investment Base Excluding CWIP (Line 9+10+11+12)		1,501,208,788	315,378,090	391,399,612	2,207,986,490	
14	NEEWS Construction Work In Progress	(A)(1)(l)	201,315,123		186,687,943	388,003,066	
15	Total Investment Base Including CWIP (Line 13+14)		1,702,523,911	315,378,090	578,087,555	2,595,989,556	
II. REVENUE REQUIREMENTS							
16	Investment Return and Income Taxes	(A)	196,245,519	39,217,896	47,146,432	282,609,847	W/S 2A,2B,2C
17	Investment Return and Income Taxes-CWIP		26,316,919		22,487,683	48,804,602	W/S 2A,2B,2C
18	Depreciation Expense	(B)	47,674,762	9,546,298	5,553,185	62,774,245	W/S 4A,4B,4C line 3
19	Amortization of Loss on Reacquired Debt	(C)	398,890	153,642	15,446	567,978	W/S 4A,4B,4C line 4
20	Investment Tax Credit	(D)	(391,671)	(6,761)	(35,483)	(433,915)	W/S 4A,4B,4C line 5
21	Property Tax Expense	(E)	27,339,519	10,555,569	4,845,895	42,740,983	W/S 4A,4B,4C line 8
22	Payroll Tax Expense	(F)	523,321	146,499	84,260	754,080	W/S 4A,4B,4C line 19
23	Operation & Maintenance Expense	(G)	26,894,025	7,792,535	4,297,698	38,984,258	W/S 4A,4B,4C line 17
24	Administrative & General Expense	(H)	28,815,776	7,331,354	6,254,370	42,401,500	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)	8,451,124	109,536	23,936	8,584,596	Attachment B line 16
28	Revenue for ST Trans. Service Under the OATT	(N)	(1,346,178)	(292,812)	(311,417)	(1,950,407)	Attachment C line 10
29	Total Revenue Requirements (Line 16 thru 28)		360,922,006	74,553,756	90,362,005	525,837,767	

Northeast Utilities System Companies'
Annual Revenue Requirements of Incremental Return -2012
for Rates billed June 1, 2013 - May 31, 2014
Post-2003

Line	I. INVESTMENT BASE	CL&P	PSNH	WMECO	Total	Reference
1	Transmission Plant	\$ 1,535,388,596	\$ 124,415,390	\$ 12,359,551	\$ 1,672,163,537	Attachment D,D1,D2
2	Accumulated Depreciation	\$ 155,288,977	\$ 14,090,726	\$ 1,580,166	\$ 170,959,869	Attachment D,D1,D2
3	Accumulated Deferred Income Taxes	\$ 122,457,177	\$ 13,198,517	\$ 2,238,820	\$ 137,894,514	
4	Net Investment (Line 1-2-3)	\$ 1,257,642,442	\$ 97,126,147	\$ 8,540,565	\$ 1,363,309,154	
	II. <u>INCREMENTAL RETURN</u>					
5	Incremental Revenue Requirements	<u>\$ 11,055,935</u>	<u>\$ 849,174</u>	<u>\$ 71,664</u>	<u>\$ 11,976,773</u>	W/S 2A,2B,2C Post 2003

Northeast Utilities System Companies'
Annual Revenue Requirements of Incremental Return -2012
for Rates billed June 1, 2013 - May 31, 2014
M-N Advanced Technology

Line	<u>I. INVESTMENT BASE</u>	<u>CL&P</u>	<u>Reference</u>
1	Transmission Plant	\$ 421,403,193	Attachment E
2	Accumulated Depreciation	\$ 28,964,436	Attachment E
3	Accumulated Deferred Income Taxes	\$ 26,008,490	
4	Net Investment (Line 1-2-3)	\$ 366,430,267	
	<u>II. INCREMENTAL RETURN</u>		
5	Incremental Revenue Requirements	<u>\$ 1,486,608</u>	w/s 2A M-N Adv Tech

Northeast Utilities System Companies'
Annual Revenue Requirements of Incremental Return -2012
for Rates billed June 1, 2013 - May 31, 2014
NEEWS

Line	I. INVESTMENT BASE	CL&P	WMECO	Total	Reference
1	Transmission Plant	\$ 36,826,655	\$ 301,258,476	\$ 338,085,131	Attachment F
2	Accumulated Depreciation	\$ 1,408,388	\$ 4,516,709	\$ 5,925,097	Attachment F
3	Accumulated Deferred Income Taxes	\$ 10,602,469	\$ 45,339,248	\$ 55,941,717	
4	Net Investment Excluding CWIP(Line 1-2-3)	\$ 24,815,798	\$ 251,402,519	\$ 276,218,317	
5	NEEWS Construction Work In Progress	\$ 201,315,123	\$ 186,687,943	\$ 388,003,066	Attachment F
6	Net Investment Including CWIP(Line 4+5)	\$ 226,130,921	\$ 438,090,462	\$ 664,221,383	
	II. INCREMENTAL RETURN				
7	Incremental Revenue Requirements	\$ 272,701	\$ 2,606,039	\$ 2,878,740	w/s 2A NEEWS
8	Incremental Revenue Requirements-CWIP	\$ 2,212,252	\$ 1,935,207	\$ 4,147,459	w/s 2A NEEWS
9	Total Incremental Revenue Requirements (line 7+8)	\$ 2,484,953	\$ 4,541,246	\$ 7,026,199	

Northeast Utilities System Companies'
Forecasted Transmission Revenue Requirements of PTF Facilities - 2013 Estimated
for Rates billed June 1, 2013 - May 31, 2014
Post-1996

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	\$ 275,241,000	\$ 70,270,000	\$ 242,263,000	\$ 587,774,000	Attachment G
2	Carrying Charge Factor (line 18)	App. C	16.71%	18.62%	15.07%		
3	Forecasted Transmission Revenue Requirements (Lines 1 * 2)		\$ 45,993,000	\$ 13,084,000	\$ 36,509,000	\$ 95,586,000	
4	Forecasted NEEWS CWIP		\$ (105,191,000)		\$ (168,340,000)	\$ (273,531,000)	
5	NEEWS Cost of Capital Rate (line 21)		14.17%		13.09%		
6	Forecasted Transmission Rev. Req. for CWIP (Lines 4 * 5)		\$ (14,906,000)		\$ (22,036,000)	\$ (36,942,000)	
7	Total Forecasted Transmission Revenue Requirements (Lines 3 + 6)		<u>\$ 31,087,000</u>	<u>\$ 13,084,000</u>	<u>\$ 14,473,000</u>	<u>\$ 58,644,000</u>	
II. CARRYING CHARGE FACTOR (Post 96) (*)							
8	Investment Return and Income Taxes	(A)	\$ 196,245,519	39,217,896	47,146,432	282,609,847	W/S 1B line 14
9	Depreciation Expense	(B)	47,674,762	9,546,298	5,553,185	62,774,245	W/S 1B line 15
10	Amortization of Loss on Reacquired Debt	(C)	398,890	153,642	15,446	567,978	W/S 1B line 16
11	Investment Tax Credit	(D)	(391,671)	(6,761)	(35,483)	(433,915)	W/S 1B line 17
12	Property Tax Expense	(E)	27,339,519	10,555,569	4,845,895	42,740,983	W/S 1B line 18
13	Payroll Tax Expense	(F)	523,321	146,499	84,260	754,080	W/S 1B line 19
14	Operation & Maintenance Expense	(G)	26,894,025	7,792,535	4,297,698	38,984,258	W/S 1B line 20
15	Administrative & General Expense	(H)	28,815,776	7,331,354	6,254,370	42,401,500	W/S 1B line 21
16	Total Expenses (Lines 8 thru 15)		<u>\$327,500,141</u>	<u>\$74,737,032</u>	<u>\$68,161,803</u>	<u>\$470,398,976</u>	
17	PTF Transmission Plant		<u>\$1,959,622,103</u>	<u>\$401,338,823</u>	<u>\$452,370,689</u>	<u>\$2,813,331,615</u>	W/S 1B line 1
18	Carrying Charge Factor (Lines 16/17)		16.71%	18.62%	15.07%	16.72%	
19	Cost of Capital Rate - 11.64% ROE		13.07%		12.05%		W/S 2A, 2C
20	Cost of Capital Rate - 1.25% bp ROE adder for NEEWS		1.10%		1.04%		W/S 2A, 2C
21	NEEWS Cost of Capital Rate		<u>14.17%</u>		<u>13.09%</u>		

(*) 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- 2012 True-up
for Rates billed June 1, 2013 - May 31, 2014
Pre-1997 & Post-1996

Line I. ANNUAL TRUE-UP		Pre-1997	Post-1996	TOTAL	
1	Transmission Revenue Requirements (as billed)	85,862,981	547,465,699	633,328,680	ATRR - Prior Year
2	True-up 2012 Actual Annual RR @ 11.64% ROE	<u>81,715,606</u>	<u>546,327,347</u>	<u>628,042,953</u>	PTF Pre and Post on ATRR
3	Total Rate Year Surcharge/(Refund) (Line 2 - 1)	(4,147,375)	(1,138,352)	(5,285,727)	

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		variance
	Pre-1997	Post-1996		Pre-1997	Post-1996	
	Initial Billing Period	Balance				
	June 2012	\$ (4,147,375) \$ (1,138,352)	0.27%	\$ (11,198)	\$ (3,074)	
	July 2012	\$ (4,158,573) \$ (1,141,426)	0.28%	\$ (11,644)	\$ (3,196)	
	August 2012	\$ (4,158,573) \$ (1,141,426)	0.28%	\$ (11,644)	\$ (3,196)	
	September 2012	\$ (4,158,573) \$ (1,141,426)	0.27%	\$ (11,228)	\$ (3,082)	
	October 2012	\$ (4,193,089) \$ (1,150,900)	0.28%	\$ (11,741)	\$ (3,223)	
	November 2012	\$ (4,193,089) \$ (1,150,900)	0.27%	\$ (11,321)	\$ (3,107)	
	December 2012	\$ (4,193,089) \$ (1,150,900)	0.28%	\$ (11,741)	\$ (3,223)	
	January 2013	\$ (4,227,892) \$ (1,160,453)	0.28%	\$ (11,838)	\$ (3,249)	
	February 2013	\$ (4,227,892) \$ (1,160,453)	0.25%	\$ (10,570)	\$ (2,901)	
	March 2013	\$ (4,227,892) \$ (1,160,453)	0.28%	\$ (11,838)	\$ (3,249)	
	April 2013	\$ (4,262,138) \$ (1,169,852)	0.27%	\$ (11,508)	\$ (3,159)	
	May 2013	\$ (4,262,138) \$ (1,169,852)	0.28%	\$ (11,934)	\$ (3,276)	
	Total Surcharge/(Refund)			\$ (4,285,580)	\$ (1,176,287)	
				Interest	Principal	Total (check)
				Pre-1997	\$ (138,205)	\$ (4,147,375) \$ (4,285,580)
				Post-1996	\$ (37,935)	\$ (1,138,352) \$ (1,176,287)
				Total	<u>\$ (176,140)</u>	<u>\$ (5,285,727)</u> <u>\$ (5,461,867)</u>

Connecticut Light & Power Company (CL&P)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
Pre-1997

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 2,206,518,778	45.39%	5.59%	2.54%	
PREFERRED STOCK	\$ 116,766,810	2.40%	4.80%	0.12%	0.12%
COMMON EQUITY	\$ 2,537,762,269	52.21%	11.64%	6.08%	6.08%
TOTAL INVESTMENT RETURN	<u>\$ 4,861,047,857</u>	<u>100.00%</u>		<u>8.74%</u>	<u>6.20%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0874

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

=
$$\frac{0.0620 + \left(\frac{(72,345) + \frac{303,394}{277,313,682}}{1 - 0.35} \right) \times 0.35}{1 - 0.35}$$

= 0.033833

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

=
$$\frac{0.0620 + \left(\frac{(72,345) + \frac{303,394}{277,313,682}}{1 - 0.09} \right) + 0.033833}{1 - 0.09} \times 0.09$$

= 0.009560

(a)+(b)+(c) Cost of Capital Rate = 0.130793

	Pre-1997 PTF	
INVESTMENT BASE	\$ 277,313,682	From Worksheet 1, line 13
x Cost of Capital Rate	0.130793	
= Investment Return and Income Taxes	<u>\$ 36,270,688</u>	To Worksheet 1, line 14

Connecticut Light & Power Company (CL&P)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
Post-1996

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 2,206,518,778	45.39%	5.59%	2.54%	
PREFERRED STOCK	\$ 116,766,810	2.40%	4.80%	0.12%	0.12%
COMMON EQUITY	\$ 2,537,762,269	52.21%	11.64%	6.08%	6.08%
TOTAL INVESTMENT RETURN	<u>\$ 4,861,047,857</u>	<u>100.00%</u>		<u>8.74%</u>	<u>6.20%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0874

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

=
$$\frac{0.0620 + \left(\frac{(391,671)}{1,642,564 + 1,702,523,911} \right) \times 0.35}{1 - 0.35}$$

= 0.033780

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

=
$$\frac{0.0620 + \left(\frac{(391,671)}{1,642,564 + 1,702,523,911} \right) + 0.033780}{1 - 0.09} \times 0.09$$

= 0.009545

(a)+(b)+(c) Cost of Capital Rate = 0.130725

	Post - 1996 Total PTF	-	Post - 1996 PTF CWIP	=	Post -1996 PTF Excluding CWIP	
INVESTMENT BASE	\$ 1,702,523,911		\$ 201,315,123		\$ 1,501,208,788	From Worksheet 1, line 13
x Cost of Capital Rate	0.130725		0.130725		0.130725	
= Investment Return and Income Taxes	<u>\$ 222,562,438</u>		<u>\$ 26,316,919</u>		<u>\$ 196,245,519</u>	To Worksheet 1, line 14

Connecticut Light & Power Company (CL&P)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
Post-2003

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 2,206,518,778	45.39%	#N/A		
PREFERRED STOCK	116,766,810	2.40%			
COMMON EQUITY	<u>2,537,762,269</u>	<u>52.21%</u>	1.00%	<u>0.52%</u>	<u>0.52%</u>
TOTAL INVESTMENT RETURN	\$ <u>4,861,047,857</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 =
$$\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate} \right)}{(1 - \text{Federal Income Tax Rate})}$$

=
$$\frac{0.0052 + \left(\left(\frac{0 + 0}{1,257,642,442} \right) \times 0.35 \right)}{(1 - 0.35)}$$

= 0.002800

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

=
$$\frac{0.0052 + \left(\left(\frac{0 + 0}{1,257,642,442} \right) \times 0.002800 \right) + 0.002800}{(1 - 0.09)} \times 0.09$$

= 0.000791

(a)+(b)+(c) Cost of Capital Rate = 0.008791

Post - 2003 PTF

INVESTMENT BASE	\$ 1,257,642,442	From Worksheet 1 Line 4
x Cost of Capital Rate	0.008791	
= Investment Return and Income Taxes	<u>11,055,935</u>	To Worksheet 1a Line 5

Connecticut Light & Power Company (CL&P)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
M-N Advanced Technology

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 2,206,518,778	45.39%	#N/A		
PREFERRED STOCK	\$ 116,766,810	2.40%			
COMMON EQUITY	\$ 2,537,762,269	52.21%	0.46%	0.24%	0.24%
TOTAL INVESTMENT RETURN	\$ 4,861,047,857	100.00%		0.24%	0.24%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0024

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

=
$$\frac{0.0024 + \left(\left(\frac{0 + 0}{366,430,267} \right) \times 0.35 \right)}{(1 - 0.35)}$$

= 0.001292

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

=
$$\frac{0.0024 + \left(\left(\frac{0 + 0}{366,430,267} \right) + 0.001292 \right) \times 0.09}{(1 - 0.09)}$$

= 0.000365

(a)+(b)+(c) Cost of Capital Rate = 0.004057

M-N Adv Tech PTF

INVESTMENT BASE	\$ 366,430,267	From Worksheet 1 Line 4
x Cost of Capital Rate	0.004057	
= Investment Return and Income Taxes	<u>\$ 1,486,608</u>	To Worksheet 1a Line 5

Connecticut Light & Power Company (CL&P)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
NEEWS

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 2,206,518,778	45.39%	#N/A		
PREFERRED STOCK	\$ 116,766,810	2.40%			
COMMON EQUITY	\$ 2,537,762,269	52.21%	1.25%	0.65%	0.65%
TOTAL INVESTMENT RETURN	<u>\$ 4,861,047,857</u>	<u>100.00%</u>		<u>0.65%</u>	<u>0.65%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0065

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

=
$$\frac{0.0065 + \left(\left(\frac{0 + 0}{226,130,921} \right) \times 0.35 \right)}{\left(\frac{1 - 0.35}{1} \right)}$$

= 0.003500

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

=
$$\frac{0.0065 + \left(\left(\frac{0 + 0}{226,130,921} \right) \times 0.003500 \right) + 0.09}{\left(\frac{1 - 0.09}{1} \right)}$$

= 0.000989

(a)+(b)+(c) Cost of Capital Rate = 0.0109890

	Total NEEWS	NEEWS CWIP	NEEWS Excluding CWIP	
INVESTMENT BASE	\$ 226,130,921	\$ 201,315,123	\$ 24,815,798	From Worksheet 1 Line 4
x Cost of Capital Rate	0.010989	0.010989	0.010989	
= Investment Return and Income Taxes	<u>\$ 2,484,953</u>	<u>\$ 2,212,252</u>	<u>\$ 272,701</u>	To Worksheet 1a Line 5

Connecticut Light & Power Company (CL&P)
Rate Base Items - 2012
for Rates billed June 1, 2013 - May 31, 2014

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	
	<u>Transmission Plant</u>								
1	Transmission Plant					361,958,032		1,959,622,103	Attachment A
2	General Plant	97,064,640		97,064,640	13.6812%	13,279,608	74.0695%	71,895,294	FF1 page 204 In. 96, footnote
3	Total (line 1+2)	<u>97,064,640</u>		<u>97,064,640</u>		<u>375,237,640</u>		<u>2,031,517,397</u>	
4	<u>Transmission Plant Held for Future Use</u>	1,288,089 (c)		1,288,089	13.6812%	<u>176,226</u>	74.0695%	<u>954,081</u>	
	<u>Transmission Accumulated Depreciation</u>								
5	Transmission Accum. Depreciation	502,736,251		502,736,251	13.6812%	68,780,352	74.0695%	372,374,227	FF1 page 219 In. 25
6	General Plant Accum. Depreciation	17,735,289		17,735,289	13.6812%	2,426,400	74.0695%	13,136,440	FF1 page 219 In. 28, footnote
7	Total (line 5+6)	<u>520,471,540</u>		<u>520,471,540</u>		<u>71,206,752</u>		<u>385,510,667</u>	
	<u>Transmission Accumulated Deferred Taxes</u>								
8	Accumulated Deferred Taxes (281 to 283)	(335,378,686)		(335,378,686)	13.6812%	(45,883,829)	74.0695%	(248,413,316)	FF1 page 274 In. 9 & 276 In. 19, footnote
9	Accumulated Deferred Taxes (190)	45,947,484 (d)		45,947,484	13.6812%	6,286,167	74.0695%	34,033,072	
10	Total (line 8+9)	<u>(289,431,202)</u>		<u>(289,431,202)</u>		<u>(39,597,662)</u>		<u>(214,380,244)</u>	
11	<u>Transmission loss on Reacquired Debt</u>	5,911,501		5,911,501	13.6812%	<u>808,764</u>	74.0695%	<u>4,378,619</u>	FF1 page 110 In. 81, footnote
	<u>Other Regulatory Assets</u>								
12	FAS 106	1,268,491		1,268,491	13.6812%	173,545	74.0695%	939,565	FF1 page 232, In. 34f, footnote
13	FAS 109	23,281,328		23,281,328	13.6812%	3,185,165	74.0695%	17,244,363	FF1 page 232 In. 10, footnote
14	Other Regulatory Liabilities (254.DK)	(1,814,915)		(1,814,915)	13.6812%	(248,302)	74.0695%	(1,344,298)	FF1 page 278 In. 3, footnote
15	Total (line 12+13+14)	<u>22,734,904</u>		<u>22,734,904</u>		<u>3,110,408</u>		<u>16,839,630</u>	
16	<u>Transmission Prepayments (165)</u>	21,987,389		21,987,389	13.6812%	<u>3,008,139</u>	74.0695%	<u>16,285,949</u>	FF1 page 110 In. 57, footnote
17	<u>Transmission Materials and Supplies</u>	32,618,416		32,618,416	13.6812%	<u>4,462,591</u>	74.0695%	<u>24,160,298</u>	FF1 page 227 In. 8
	<u>Cash Working Capital</u>								
18	Operation & Maintenance Expense					4,967,532		26,894,025	W/S 4A, Line 17
19	Administrative & General Expense					5,322,493		28,815,776	W/S 4A, Line 18
20	Transmission Support Expense					224,596		-	W/S 7
21	Subtotal (line 18+19+20)					10,514,621		55,709,801	
22						0.125		0.125	x 45 / 360
23	Total (line 21 * line 22)					<u>1,314,328</u>		<u>6,963,725</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 105	32,685,061	FF1 page 214 In. 11
Less Third Underground Conduit Duct	<u>31,396,972</u>	FF1 page 214 In. 4
	<u>1,288,089</u>	

(d)

Account 190	61,400,567	FF1 page 234 In. 18, footnote
Less Reserve for Disputed Transactions	<u>15,453,083</u>	FF1 page 234 In. 18, footnote
Total Account 190	<u>45,947,484</u>	

Connecticut Light & Power Company (CL&P)
Expense Items - 2012
for Rates billed June 1, 2013 - May 31, 2014

Line No.	(1)	(2) Wage/Plant Allocation Factors (a)	(3)	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>Transmission</u>		<u>Transmission</u>					
	<u>Depreciation Expense</u>							
1	Transmission Depreciation	59,161,948	59,161,948	13.6812%	8,094,064	74.0695%	43,820,959	FF1 page 336 ln. 7
2	General Depreciation	5,202,955	5,202,955	13.6812%	711,827	74.0695%	3,853,803	FF1 page 336 ln. 10, footnote
3	Total (line 1+2)	<u>64,364,903</u>	<u>64,364,903</u>		<u>8,805,891</u>		<u>47,674,762</u>	
4	<u>Amortization of Loss on Reacquired Debt</u>	538,535	538,535	13.6812%	<u>73,678</u>	74.0695%	<u>398,890</u>	FF1 page 114 ln. 64, footnote
5	<u>Amortization of Investment Tax Credits</u>	528,789	528,789	13.6812%	<u>72,345</u>	74.0695%	<u>391,671</u>	FF1 page 266 ln. 8, footnote - difference of PY-CY
	<u>Property Taxes</u>							
6	Transmission Property Taxes	36,910,630	36,910,630	13.6812%	5,049,817	74.0695%	27,339,519	FF1 page 262 ln. 25i, footnote
7	General Property Taxes (c)	-	-	13.6812%	-	74.0695%	-	
8	Total (line 6+7)	<u>36,910,630</u>	<u>36,910,630</u>		<u>5,049,817</u>		<u>27,339,519</u>	
	<u>Transmission Operation and Maintenance</u>							
9	Operation and Maintenance	71,915,709	71,915,709	13.6812%	9,838,932	74.0695%	53,267,606	FF1 page 321 ln. 112
10	Transmission of Electricity by Others - #565	18,885,364	18,885,364	13.6812%	2,583,744	74.0695%	13,988,295	FF1 page 321 ln. 96
11	Load Dispatching - #561	-	-	13.6812%	-	74.0695%	-	FF1 page 321 ln. 84
12	Account 561.1	2,962,071	2,962,071	13.6812%	405,247	74.0695%	2,193,991	FF1 page 321 ln. 85
13	Account 561.2	6,573,442	6,573,442	13.6812%	899,326	74.0695%	4,868,916	FF1 page 321 ln. 86
14	Account 561.3	1,198,034	1,198,034	13.6812%	163,905	74.0695%	887,378	FF1 page 321 ln. 87
15	Account 561.4	5,987,621	5,987,621	13.6812%	819,178	74.0695%	4,435,001	FF1 page 321 ln. 88
16	**Station Expenses & Rents	-	-	13.6812%	-	74.0695%	-	FF1 page 321 ln. 93 + ln. 98
17	O&M less lines 10 thru 16	<u>36,309,177</u>	<u>36,309,177</u>		<u>4,967,532</u>		<u>26,894,025</u>	
	<u>Transmission Administrative and General</u>							
18	Administrative and General	38,903,700		13.6812%	<u>5,322,493</u>	74.0695%	<u>28,815,776</u>	FF1 page 320 ln. 197 b, footnote
19	<u>Payroll Tax Expense</u>	706,527		13.6812%	<u>96,661</u>	74.0695%	<u>523,321</u>	
	Federal Unemployment	8,048						FF1 page 262 ln. 3i, footnote
	FICA	518,125						FF1 page 262 ln. 5i, footnote
	Medicare	147,181						FF1 page 262 ln. 9i, footnote
	CT Unemployment	28,005						FF1 page 262 ln. 15i, footnote
	DC Unemployment	22						FF1 page 262.1 ln. 14i, footnote
	FL Unemployment	4						FF1 page 262.1 ln. 18i, footnote
	GA Unemployment	-						FF1 page 262 footnote
	MA Unemployment	136						FF1 page 262 ln. 32i, footnote
	MA Universal Health	29						FF1 page 262 ln. 33i, footnote
	NH Unemployment	4,911						FF1 page 262.1 ln. 4i, footnote
	NJ Unemployment	-						FF1 page 262 footnote
	NY Unemployment	66						FF1 page 262.1 ln. 10i, footnote
	Total	706,527	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 - 2012
for Rates billed June 1, 2013 - May 31, 2014
Pre-1997

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 990,749,805	47.69%	4.53%	2.16%	
PREFERRED STOCK	\$ -	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	\$ 1,086,515,290	52.31%	11.64%	6.09%	6.09%
TOTAL INVESTMENT RETURN	<u>\$ 2,077,265,095</u>	<u>100.00%</u>		<u>8.25%</u>	<u>6.09%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0825

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

=
$$\frac{(0.0609 + \frac{(1,498) + 38,083}{69,948,672}) \times 0.35}{(1 - 0.35)}$$

= 0.033074

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

=
$$\frac{(0.0609 + \frac{(1,498) + 38,083}{69,948,672}) + 0.033074 \times 0.085}{(1 - 0.085)}$$

= 0.008778

(a)+(b)+(c) Cost of Capital Rate = 0.124352

	Pre-1997 PTF	
INVESTMENT BASE	\$ 69,948,672	From Worksheet 1, line 13
x Cost of Capital Rate	0.1243520	
= Investment Return and Income Taxes	<u>\$ 8,698,257</u>	To Worksheet 1, line 14

Public Service Company of New Hampshire (PSNH)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
Post-1996

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 990,749,805	47.69%	4.53%	2.16%	
PREFERRED STOCK	\$ -	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	\$ 1,086,515,290	52.31%	11.64%	6.09%	6.09%
TOTAL INVESTMENT RETURN	<u>\$ 2,077,265,095</u>	<u>100.00%</u>		<u>8.25%</u>	<u>6.09%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0825

$$(b) \text{ Federal Income Tax} = \frac{\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{Federal Income Tax Rate})}{\left(\frac{0.0609 + \left(\frac{(6,761) + 171,883}{315,378,090} \right) / (1 - 0.35)}{0.35} \right)} \right) \times 0.35}{0.033074}$$

$$(c) \text{ State Income Tax} = \frac{\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{State Income Tax Rate})}{\left(\frac{0.0609 + \left(\frac{(6,761) + 171,883}{315,378,090} \right) / (1 - 0.085)}{0.085} \right)} \right) + 0.033074}{0.008778}$$

(a)+(b)+(c) Cost of Capital Rate = 0.124352

Post - 1996 Total PTF

INVESTMENT BASE \$ 315,378,090 From Worksheet 1, line 13

x Cost of Capital Rate 0.124352

= Investment Return and Income Taxes \$ 39,217,896 To Worksheet 1, line 14

Public Service Company of New Hampshire (PSNH)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
Post-2003

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 990,749,805	47.69%	#N/A		
PREFERRED STOCK	\$ -	0.00%			
COMMON EQUITY	\$ 1,086,515,290	52.31%	1.00%	0.52%	0.52%
TOTAL INVESTMENT RETURN	\$ 2,077,265,095	100.00%		0.52%	0.52%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0052

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

=
$$\left(\frac{0.0052 + \left(\left(\frac{0 + 0}{97,126,147} \right)}{1 - 0.35} \right) \times 0.35}{1 - 0.35} \right)$$

= 0.002800

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

=
$$\left(\frac{0.0052 + \left(\left(\frac{0 + 0}{97,126,147} \right)}{1 - 0.085} \right) + 0.002800}{1 - 0.085} \right) \times 0.085$$

= 0.000743

(a)+(b)+(c) Cost of Capital Rate = 0.008743

Post - 2003 PTF

INVESTMENT BASE \$ 97,126,147 From Worksheet 1 Line 4

x Cost of Capital Rate 0.008743

= Investment Return and Income Taxes \$ 849,174 To Worksheet 1a Line 5

Public Service Company of New Hampshire (PSNH)
Rate Base Items - 2012
for Rates billed June 1, 2013 - May 31, 2014

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					88,921,115		401,338,823	Attachment A1
2	General Plant	56,517,964		56,517,964	16.7851%	9,486,597	75.7581%	42,816,936	FF1 page 204 In. 99, footnote
3	Total (line 1+2)	<u>56,517,964</u>		<u>56,517,964</u>		<u>98,407,712</u>		<u>444,155,759</u>	
4	<u>Transmission Plant Held for Future Use</u>	8,200,029		8,200,029	16.7851%	<u>1,376,383</u>	75.7581%	<u>6,212,186</u>	FF1 page 214 In. 34
	<u>Transmission Accumulated Depreciation</u>								
5	Transmission Accum. Depreciation	104,274,944		104,274,944	16.7851%	17,502,654	75.7581%	78,996,716	FF1 page 219 In. 25
6	General Plant Accum. Depreciation	10,652,312		10,652,312	16.7851%	1,788,001	75.7581%	8,069,989	FF1 page 219 In. 28, footnote
7	Total (line 5+6)	<u>114,927,256</u>		<u>114,927,256</u>		<u>19,290,655</u>		<u>87,066,705</u>	
	<u>Transmission Accumulated Deferred Taxes</u>								
8	Accumulated Deferred Taxes (281-283)	(104,132,409)		(104,132,409)	16.7851%	(17,478,729)	75.7581%	(78,888,735)	FF1 page 274 In. 9 & 276 In. 19, footnote
9	Accumulated Deferred Taxes (190)	9,916,663 (b)		9,916,663	16.7851%	1,664,522	75.7581%	7,512,675	
10	Total (line 8+9)	<u>(94,215,746)</u>		<u>(94,215,746)</u>		<u>(15,814,207)</u>		<u>(71,376,060)</u>	
11	<u>Transmission loss on Reacquired Debt</u>	1,693,452		1,693,452	16.7851%	<u>284,248</u>	75.7581%	<u>1,282,927</u>	FF1 page 110 In. 81, footnote
	<u>Other Regulatory Assets</u>								
12	FAS 106	580,985		580,985	16.7851%	97,519	75.7581%	440,143	FF1 page 232 In. 26, footnote
13	FAS 109	7,747,581		7,747,581	16.7851%	1,300,439	75.7581%	5,869,420	FF1 page 232 In. 1, footnote
14	Other Regulatory Liabilities (254.DK)	(15,733)		(15,733)	16.7851%	(2,641)	75.7581%	(11,919)	
15	Total (line 12+13+14)	<u>8,312,833</u>		<u>8,312,833</u>		<u>1,395,317</u>		<u>6,297,644</u>	
16	<u>Transmission Prepayments</u>	3,716,960		3,716,960	16.7851%	<u>623,895</u>	75.7581%	<u>2,815,898</u>	FF1 page 110 In. 57, footnote
17	<u>Transmission Materials and Supplies</u>	14,738,958		14,738,958	16.7851%	<u>2,473,949</u>	75.7581%	<u>11,165,955</u>	FF1 page 227 In. 8
	<u>Cash Working Capital</u>								
18	Operation & Maintenance Expense					1,726,527		7,792,535	W/S 4B, Line 17
19	Administrative & General Expense					1,624,348		7,331,354	W/S 4B, Line 18
20	Transmission Support Expense					585,362		-	W/S 7
21	Subtotal (line 18+19+20)					<u>3,936,237</u>		<u>15,123,889</u>	
22						0.125		0.125	x 45 / 360
23	Total (line 21 * line 22)					<u>492,030</u>		<u>1,890,486</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	9,916,663	FF1 page 234 In. 18, footnote
Less Reserve for Disputed Transactions	-	FF1 page 234 In. 18, footnote
Total Account 190	<u>9,916,663</u>	

Public Service Company of New Hampshire (PSNH)
Expense Items - 2012
for Rates billed June 1, 2013 - May 31, 2014

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	Transmission Depreciation	10,054,648		10,054,648	16.7851%	1,687,683	75.7581%	7,617,210	FF 1 page 336 ln. 7
2	General Depreciation	2,546,379		2,546,379	16.7851%	427,412	75.7581%	1,929,088	FF1 page 336 ln. 10, footnote
3	Total (line 1+2)	<u>12,601,027</u>		<u>12,601,027</u>		<u>2,115,095</u>		<u>9,546,298</u>	
4	<u>Amortization of Loss on Reacquired Debt</u>	202,806		202,806	16.7851%	<u>34,041</u>	75.7581%	<u>153,642</u>	FF1 page 114 ln. 64, footnote
5	<u>Amortization of Investment Tax Credits</u>	8,924		8,924	16.7851%	<u>1,498</u>	75.7581%	<u>6,761</u>	FF1 page 266 ln. 8, footnote - (diffe
	<u>Property Taxes</u>								
6	Transmission Property Taxes	13,933,255		13,933,255	16.7851%	2,338,711	75.7581%	10,555,569	FF1 page 262 ln. 23i + ln. 31i + pag
7	General Property Taxes (b)	-		-	16.7851%	-	75.7581%	-	
8	Total (line 6+7)	<u>13,933,255</u>		<u>13,933,255</u>		<u>2,338,711</u>		<u>10,555,569</u>	
	<u>Transmission Operation and Maintenance</u>								
9	Operation and Maintenance	34,971,703		34,971,703	16.7851%	5,870,035	75.7581%	26,493,898	FF1 page 321 ln. 112
10	Transmission of Electricity by Others - #565	21,474,652		21,474,652	16.7851%	3,604,542	75.7581%	16,268,788	FF1 page 321 ln. 96
11	Load Dispatching - #561	-		-	16.7851%	-	75.7581%	-	FF1 page 321 ln. 84
12	Account 561.1	649,663		649,663	16.7851%	109,047	75.7581%	492,172	FF1 page 321 ln. 85
13	Account 561.2	595,168		595,168	16.7851%	99,900	75.7581%	450,888	FF1 page 321 ln. 86
14	Account 561.3	23,284		23,284	16.7851%	3,908	75.7581%	17,640	FF1 page 321 ln. 87
15	Account 561.4	1,942,861		1,942,861	16.7851%	326,111	75.7581%	1,471,875	FF1 page 321 ln. 88
16	**Station Expenses & Rents	-		-	16.7851%	-	75.7581%	-	FF1 page 321 ln. 93 + ln. 98
17	O&M less lines 10 thru 16	<u>10,286,075</u>		<u>10,286,075</u>		<u>1,726,527</u>		<u>7,792,535</u>	
	<u>Transmission Administrative and General</u>								
18	Administrative and General	9,677,320		9,677,320	16.7851%	<u>1,624,348</u>	75.7581%	<u>7,331,354</u>	FF1 page 320 ln. 197 b, footnote
19	<u>Payroll Tax Expense</u>	<u>193,377</u>		<u>193,377</u>	16.7851%	<u>32,459</u>	75.7581%	<u>146,499</u>	
	Federal Unemployment	1,914							FF1 page 262 ln. 2i, footnote
	FICA	144,173							FF1 page 262 ln. 4i, footnote
	Medicare	39,371							FF1 page 262 ln. 7i, footnote
	CT Unemployment	5,060							FF1 page 262.1 ln. 8i, footnote
	DC Unemployment	5							FF1 page 262 ln. 27i, footnote
	FL Unemployment	1							FF1 page 262.1 ln. 28i, footnote
	GA Unemployment	-							FF1 page 262, footnote
	MA Unemployment	31							FF1 page 262.1 ln. 16i, footnote
	MA Universal Health	6							FF1 page 262.1 ln. 17i, footnote
	NH Unemployment	2,801							FF1 page 262 ln. 14i, footnote
	NJ Unemployment	-							FF1 page 262, footnote
	NY Unemployment	15							FF1 page 262.1 ln. 23i, footnote
	Total	<u>193,377</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.

Western Massachusetts Electric Company (WMECO)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
Pre-1997

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 544,217,897	49.37%	4.76%	2.35%	
PREFERRED STOCK	\$ -	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	\$ 558,008,793	50.63%	11.64%	5.89%	5.89%
TOTAL INVESTMENT RETURN	<u>\$ 1,102,226,690</u>	<u>100.00%</u>		<u>8.24%</u>	<u>5.89%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0824

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

$$= \left(\frac{0.0589 + \left(\frac{(4,717)}{9,676} \right) / 52,078,657}{(1 - 0.35)} \right) \times 0.35$$

$$= \underline{0.031767}$$

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

$$= \left(\frac{0.0589 + \left(\frac{(4,717)}{9,676} \right) / 52,078,657}{(1 - 0.065)} \right) + 0.031767 \times 0.065$$

$$= \underline{0.006310}$$

(a)+(b)+(c) Cost of Capital Rate = 0.120477

Pre-1997 PTF

INVESTMENT BASE	\$ 52,078,657	From Worksheet 1, line 13
x Cost of Capital Rate	0.120477	
= Investment Return and Income Taxes	<u>\$ 6,274,280</u>	To Worksheet 1, line 14

Western Massachusetts Electric Company (WMECO)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
Post-1996

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 544,217,897	49.37%	4.76%	2.35%	
PREFERRED STOCK	\$ -	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	\$ 558,008,793	50.63%	11.64%	5.89%	5.89%
TOTAL INVESTMENT RETURN	\$ 1,102,226,690	100.00%		8.24%	5.89%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0824

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

=
$$\left(\frac{0.0589 + \left(\frac{(35,483)}{72,786} \right) / 578,087,555}{(1 - 0.35)} \right) \times 0.35$$

= 0.031750

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

=
$$\left(\frac{0.0589 + \left(\frac{(35,483)}{72,786} \right) / 578,087,555}{(1 - 0.065)} + 0.031750 \right) \times 0.065$$

= 0.006306

(a)+(b)+(c) Cost of Capital Rate = 0.120456

	Post - 1996 Total PTF	-	Post - 1996 PTF CWIP	=	Post - 1996 PTF Excluding CWIP	
INVESTMENT BASE	\$ 578,087,555		\$ 186,687,943		\$ 391,399,612	From Worksheet 1, line 13
x Cost of Capital Rate	0.1204560		0.1204560		0.1204560	
= Investment Return and Income Taxes	<u>\$ 69,634,115</u>		<u>\$ 22,487,683</u>		<u>\$ 47,146,432</u>	To Worksheet 1, line 14

Western Massachusetts Electric Company (WMECO)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
Post-2003

	<u>CAPITALIZATION 12/31/2012</u>	<u>CAPITALIZATION RATIOS</u>	<u>COST OF CAPITAL</u>	<u>WEIGHTED COST OF CAPITAL</u>	<u>EQUITY PORTION</u>
LONG-TERM DEBT	\$ 544,217,897	49.37%	#N/A		
PREFERRED STOCK	\$ -	0.00%			
COMMON EQUITY	\$ 558,008,793	50.63%	1.00%	0.51%	0.51%
TOTAL INVESTMENT RETURN	<u>\$ 1,102,226,690</u>	<u>100.00%</u>		<u>0.51%</u>	<u>0.51%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0051

$$\begin{aligned}
 \text{(b) Federal Income Tax} &= \left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \right)}{(1 - \text{Federal Income Tax Rate})} \times \text{Federal Income Tax Rate} \right) \\
 &= \left(\frac{0.0051 + \left(\left(\frac{0 + 0}{8,540,565} \right) \right)}{(1 - 0.35)} \times 0.35 \right) \\
 &= \underline{\underline{0.002746}}
 \end{aligned}$$

$$\begin{aligned}
 \text{(c) State Income Tax} &= \left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \right) + \text{Federal Income Tax}}{(1 - \text{State Income Tax Rate})} \times \text{State Income Tax Rate} \right) \\
 &= \left(\frac{0.0051 + \left(\left(\frac{0 + 0}{8,540,565} \right) \right) + 0.002746}{(1 - 0.065)} \times 0.065 \right) \\
 &= \underline{\underline{0.000545}}
 \end{aligned}$$

(a)+(b)+(c) Cost of Capital Rate = 0.008391

Post - 2003 PTF

INVESTMENT BASE	\$ 8,540,565	From Worksheet 1 Line 4
x Cost of Capital Rate	0.008391	
= Investment Return and Income Taxes	<u>\$ 71,664</u>	To Worksheet 1a Line 5

Western Massachusetts Electric Company (WMECO)
Investment Return and Income Taxes - 2012
for Rates billed June 1, 2013 - May 31, 2014
NEEWS

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	WEIGHTED COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 544,217,897	49.37%	#N/A		
PREFERRED STOCK	\$ -	0.00%			
COMMON EQUITY	\$ 558,008,793	50.63%	1.25%	0.63%	0.63%
TOTAL INVESTMENT RETURN	<u>\$ 1,102,226,690</u>	<u>100.00%</u>		<u>0.63%</u>	<u>0.63%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0063

$$(b) \text{ Federal Income Tax} = \left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{Federal Income Tax Rate}) \right)}{0.0063 + \left(\frac{0 + 0}{1 - 0.35} \right) / 438,090,462} \right) \times 0.35$$

= 0.003392

$$(c) \text{ State Income Tax} = \left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / (1 - \text{State Income Tax Rate}) \right) + \text{Federal Income Tax}}{0.0063 + \left(\frac{0 + 0}{1 - 0.065} \right) / 438,090,462} \right) \times 0.065$$

= 0.000674

(a)+(b)+(c) Cost of Capital Rate = 0.010366

	Total NEEWS	NEEWS CWIP	NEEWS Excluding CWIP	
INVESTMENT BASE	\$ 438,090,462	\$ 186,687,943	\$ 251,402,519	From Worksheet 1 Line 4
x Cost of Capital Rate	0.010366	0.010366	0.010366	
= Investment Return and Income Taxes	<u>\$ 4,541,246</u>	<u>\$ 1,935,207</u>	<u>\$ 2,606,039</u>	To Worksheet 1a Line 5

Western Massachusetts Electric Company (WMECO)
Rate Base Items - 2012
for Rates billed June 1, 2013 - May 31, 2014

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	Transmission Plant					60,136,541		452,370,689	Attachment A2
2	General Plant	14,104,621		14,104,621	11.0139%	1,553,469	82.8508%	11,685,791	FF1 page 204 ln. 96, footnote
3	Total (line 1+2)	<u>14,104,621</u>		<u>14,104,621</u>		<u>61,690,010</u>		<u>464,056,480</u>	
4	<u>Transmission Plant Held for Future Use</u>	21,009,436		21,009,436	11.0139%	<u>2,313,958</u>	82.8508%	<u>17,406,486</u>	FF1 page 214 ln. 13
	<u>Transmission Accumulated Depreciation</u>								
5	Transmission Accum. Depreciation	38,962,773		38,962,773	11.0139%	4,291,321	82.8508%	32,280,969	FF1 page 219 ln. 25
6	General Plant Accum. Depreciation	2,964,477		2,964,477	11.0139%	326,505	82.8508%	2,456,093	FF1 page 219 ln. 28, footnote
7	Total (line 5+6)	<u>41,927,250</u>		<u>41,927,250</u>		<u>4,617,826</u>		<u>34,737,062</u>	
	<u>Transmission Accumulated Deferred Taxes</u>								
8	Accumulated Deferred Taxes (281-283)	(109,223,717)		(109,223,717)	11.0139%	(12,029,791)	82.8508%	(90,492,723)	FF1 page 274 ln. 9 & 276 ln. 19, footnote
9	Accumulated Deferred Taxes (190)	16,972,651 (c)		16,972,651	11.0139%	1,869,351	82.8508%	14,061,977	
10	Total (line 8+9)	<u>(92,251,066)</u>		<u>(92,251,066)</u>		<u>(10,160,440)</u>		<u>(76,430,746)</u>	
11	<u>Transmission loss on Reacquired Debt</u>	434,153		434,153	11.0139%	<u>47,817</u>	82.8508%	<u>359,699</u>	FF1 page 110 ln. 81, footnote
	<u>Other Regulatory Assets</u>								
12	FAS 106	23,852		23,852	11.0139%	2,627	82.8508%	19,762	FF1 page 232, ln. 35f, footnote
13	FAS 109	1,363,315		1,363,315	11.0139%	150,154	82.8508%	1,129,517	FF1 page 232 ln. 7, footnote
14	Other Regulatory Liabilities (254.DK)	(110,267)		(110,267)	11.0139%	(12,145)	82.8508%	(91,357)	FF1 page 278 ln. 5, footnote
15	Total (line 12+13+14)	<u>1,276,900</u>		<u>1,276,900</u>		<u>140,636</u>		<u>1,057,922</u>	
16	<u>Transmission Prepayments</u>	19,119,315		19,119,315	11.0139%	<u>2,105,782</u>	82.8508%	<u>15,840,505</u>	FF1 page 110 ln. 57, footnote
17	<u>Transmission Materials and Supplies</u>	3,050,447		3,050,447	11.0139%	<u>335,973</u>	82.8508%	<u>2,527,320</u>	FF1 page 227 ln. 8
18	<u>Cash Working Capital</u>								
19	Operation & Maintenance Expense					571,321		4,297,698	W/S 4C, Line 17
20	Administrative & General Expense					831,434		6,254,370	W/S 4C, Line 18
21	Transmission Support Expense					379,224			W/S 7
22	Subtotal (line 19+20+21)					<u>1,781,979</u>		<u>10,552,068</u>	
23						0.125		0.125	x 45 / 360
24	Total (line 22 * line 23)					<u>222,747</u>		<u>1,319,008</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	16,972,651	FF1 page 234 ln. 18, footnote
Less Reserve for Disputed Transactions	-	FF1 page 234 ln. 18, footnote
Total Account 190	<u>16,972,651</u>	

Western Massachusetts Electric Company (WMECO)
Expense Items - 2012
for Rates billed June 1, 2013 - May 31, 2014

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	5,586,526		5,586,526	11.0139%	615,294	82.8508%	4,628,481	FF1 page 336 ln. 7
2	General Depreciation	1,116,108		1,116,108	11.0139%	122,927	82.8508%	924,704	FF1 page 336 ln. 10, footnote
3	Total (line 1+2)	<u>6,702,634</u>		<u>6,702,634</u>		<u>738,221</u>		<u>5,553,185</u>	
4	<u>Amortization of Loss on Reacquired Debt</u>	18,643		18,643	11.0139%	<u>2,053</u>	82.8508%	<u>15,446</u>	FF1 page 114, ln. 64, footnote
5	<u>Amortization of Investment Tax Credits</u>	42,828		42,828	11.0139%	<u>4,717</u>	82.8508%	<u>35,483</u>	FF1 page 266 ln. 8, footnote - difference of PY-CY
	<u>Property Taxes</u>								
6	Transmission Property Taxes	5,848,942		5,848,942	11.0139%	644,197	82.8508%	4,845,895	FF1 page 262 ln. 31i, footnote
7	General Property Taxes (b)				11.0139%	-	82.8508%	-	
8	Total (line 6+7)	<u>5,848,942</u>		<u>5,848,942</u>		<u>644,197</u>		<u>4,845,895</u>	
	<u>Transmission Operation and Maintenance</u>								
9	Operation and Maintenance	7,154,696		7,154,696	11.0139%	788,011	82.8508%	5,927,723	FF1 page 321 ln. 112
10	Transmission of Electricity by Others - #565	973,390		973,390	11.0139%	107,208	82.8508%	806,461	FF1 page 321 ln. 96
11	Load Dispatching - #561	-		-	11.0139%	-	82.8508%	-	FF1 page 321 ln. 84
12	Account 561.1	5,546		5,546	11.0139%	611	82.8508%	4,595	FF1 page 321 ln. 87
13	Account 561.2	42,681		42,681	11.0139%	4,701	82.8508%	35,362	FF1 page 321 ln. 86
14	Account 561.3	5,558		5,558	11.0139%	612	82.8508%	4,605	FF1 page 321 ln. 87
15	Account 561.4	940,247		940,247	11.0139%	103,558	82.8508%	779,002	FF1 page 321 ln. 88
16	**Station Expenses & Rents	-		-	11.0139%	-	82.8508%	-	FF1 page 321 ln. 93 + ln. 98
17	O&M less lines 10 thru 16	<u>5,187,274</u>		<u>5,187,274</u>		<u>571,321</u>		<u>4,297,698</u>	
	<u>Transmission Administrative and General</u>								
18	Administrative and General	7,548,955		7,548,955	11.0139%	<u>831,434</u>	82.8508%	<u>6,254,370</u>	FF1 page 320 ln. 197, footnote
19	<u>Payroll Tax Expense</u>	<u>101,701</u>		<u>101,701</u>	11.0139%	<u>11,201</u>	82.8508%	<u>84,260</u>	
	Federal Unemployment	1,121							FF1 page 262 ln. 2i, footnote
	FICA	74,204							FF1 page 262 ln. 4i, footnote
	Medicare	21,078							FF1 page 262 ln. 8i, footnote
	CT Unemployment	3,479							FF1 page 262 ln. 13i, footnote
	DC Unemployment	3							FF1 page 262.1 ln. 6i, footnote
	FL Unemployment	1							FF1 page 262.1 ln. 10i, footnote
	GA Unemployment	-							FF1 page 262, footnote
	MA Unemployment	878							FF1 page 262 ln. 21i, footnote
	MA Universal Health	164							FF1 page 262 ln. 26i, footnote
	NH Unemployment	763							FF1 page 262 ln. 37i, footnote
	NJ Unemployment	-							FF1 page 262 footnote
	NY Unemployment	10							FF1 page 262.1 ln. 2i, footnote
	<u>Total</u>	<u>101,701</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 - 2012
for Rates billed June 1, 2013 - May 31, 2014
Pre-1997

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	361,958,032	88,921,115	60,136,541	511,015,688	W/S 3A,3B,3C line 1
2	Total Transmission Investment	<u>2,645,652,426</u>	<u>529,763,469</u>	<u>546,006,364</u>	<u>3,721,422,259</u>	FF1 page 206-207 ln 58
3	Percent Allocation (Line 1/ Line 2)	<u>13.6812%</u>	<u>16.7851%</u>	<u>11.0139%</u>	<u>13.7317%</u>	

Northeast Utilities System Companies'
Allocation Factors - 2012
for Rates billed June 1, 2013 - May 31, 2014
Post-1996

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	1,959,622,103	401,338,823	452,370,689	2,813,331,615	W/S 3A,3B,3C line 1
2	Total Transmission Investment	<u>2,645,652,426</u>	<u>529,763,469</u>	<u>546,006,364</u>	<u>3,721,422,259</u>	FF1 page 206-207 ln 58
3	Percent Allocation (Line 1/ Line 2)	<u>74.0695%</u>	<u>75.7581%</u>	<u>82.8508%</u>	<u>75.5983%</u>	

Northeast Utilities System Companies'
Transmission Support Revenues and Expenses - 2012
for Rates billed June 1, 2013 - May 31, 2014
Pre-1997

Worksheet 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	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 ln. 7 (NSTAR)		90,169		47,895		18,929		156,993
	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					8,633				8,633
	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 ln. 13		510,395		271,105		107,145		888,645
	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 ln. 4				13,319				13,319
	HQ Phase II - AC in MA	FF1 page 332 ln. 6 (NEP)		1,205,914		640,540		253,150		2,099,604
	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	FF1 page 330.1 ln. 1			399,337				399,337	-
	Fairmont 115 kV Substation									-
	345 kV Millstone-Manchester 310 line	FF1 page 330.1 ln. 1	1,352,630						1,352,630	-
	UI Substations									-
	Black Pond	FF1 page 330.1 ln 2	229,252						229,252	-
Total =			1,581,882	1,806,478	399,337	984,699	-	379,224	1,981,219	3,170,401

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

<u>224,596</u>	<u>585,362</u>	<u>379,224</u>	<u>1,189,182</u>
Support Revenue Expenses			

Connecticut Light and Power Company										
Substations and Lines										
PTF Investment as of 12/31/12 (101 + 106)										
	350	352	353	354	355	356	357	358	359	Grand Total
1978 + PRIOR	30,655,069.59	2,330,033.76	45,157,697.79	17,955,798.25	44,631,936.15	39,012,692.54	817,910.81	5,448,469.52	341,207.64	186,350,816.05
1979	5,625,298.16	0.00	653,087.86	0.00	3,011,212.50	1,408,233.05	0.00	0.00	53,118.62	10,750,950.18
1980	312,323.69	0.00	1,178,504.14	1,207,553.88	1,165,524.66	1,775,231.51	0.00	0.00	0.00	5,639,137.87
1981	838,754.77	410,787.74	7,332,197.06	3,363,183.07	3,778,233.85	2,871,087.62	0.00	0.00	445,359.14	19,039,603.25
1982	1,321,414.52	10,210.30	935,540.57	0.00	4,327,709.28	3,135,487.98	0.00	0.00	457,303.27	10,187,665.92
1983	144,404.48	97,133.02	3,083,761.21	1,633,362.93	1,373,080.64	943,306.95	0.00	452,348.46	114,420.29	7,841,817.98
1984	23,940.59	127,646.92	2,716,379.68	736,432.67	13,538.77	638,920.92	0.00	0.00	105,693.03	4,362,552.58
1985	0.00	660,106.25	7,363,770.83	254,460.70	12,707,059.14	11,131,652.70	0.00	14,035.59	2,086,693.18	34,217,778.39
1986	17.45	14,718.73	4,674,020.07	0.00	203,272.05	588,706.25	0.00	0.00	7,934.56	5,488,669.11
1987	26,687.13	9,395.58	1,255,046.07	220,544.60	2,282,408.84	1,192,027.94	0.00	0.00	141,730.14	5,127,840.31
1988	12,321.82	94,980.56	3,160,864.15	0.00	419,496.90	813,077.54	0.00	0.00	247,458.25	4,748,199.22
1989	13,407.54	205,187.81	715,262.56	180,966.57	2,241,153.50	1,818,485.72	0.00	23,806.86	552,449.96	5,750,720.51
1990	54,227.47	175,832.80	7,767,238.90	244,967.25	392,708.18	758,013.37	0.00	0.00	96,769.87	9,489,757.84
1991	893,384.98	0.00	7,566,167.34	92,885.29	6,010,808.09	5,941,696.63	0.00	0.00	1,288,940.98	21,793,883.31
1992	42,485.41	9,975.95	2,151,056.76	0.00	2,596,097.44	1,534,439.82	0.00	0.00	744,782.51	17,078,837.88
1993	1,193.02	0.00	851,678.90	140,492.94	14,639,277.63	2,889,659.96	0.00	0.00	19,686.26	18,541,988.71
1994	(15,032.07)	0.00	2,356,714.90	0.00	390,839.13	168,061.11	0.00	0.00	90,525.06	2,991,108.13
1995	2,545.44	35,418.22	152,980.53	0.00	347,481.69	256,664.17	0.00	0.00	0.00	795,090.05
1996	0.00	93,274.62	1,271,739.34	0.00	324,259.63	72,341.50	0.00	0.00	0.00	1,761,615.09
	39,952,443.98	4,274,702.25	100,343,708.66	26,030,648.15	100,856,098.07	76,949,787.28	817,910.81	5,938,660.43	6,794,072.76	361,958,032.39
1997	39,442.79	38,745.58	4,929,405.93	0.00	118,897.46	4,837,106.77	0.00	0.00	0.00	9,963,598.53
1998	(6,147.32)	52,734.02	356,969.45	0.00	113,374.45	105,664.19	0.00	0.00	0.00	622,594.79
1999	0.00	0.00	496,821.05	0.00	26,718.64	6,688.86	0.00	0.00	0.00	530,228.55
2000	0.00	0.00	2,603,480.80	0.00	256,383.81	5,663.06	136,633.03	179,004.16	61,360.97	3,242,525.83
2001	822,820.03	242,198.60	17,577,177.26	0.00	1,215,633.51	28,447.99	0.00	0.00	0.00	19,886,277.40
2002	0.00	92,368.22	6,072,950.85	184,907.20	1,932,736.37	2,939,424.47	0.00	0.00	0.00	11,222,387.11
2003	(30,877.09)	186,081.48	13,880,836.26	55,332.28	8,873,825.87	2,570,587.65	0.00	0.00	0.00	25,535,786.46
2004	608,926.57	1,964,838.18	56,448,114.56	0.00	2,261,294.57	377,603.79	1,058,908.61	1,180,509.94	18,824.61	63,919,020.83
2005	3,146,607.24	4,567,309.66	77,278,379.61	0.00	3,479,912.42	3,110,943.64	16,291,589.29	9,150,257.10	0.00	117,024,998.97
2006	11,309,368.96	7,267,215.22	80,601,843.91	0.00	20,048,023.98	9,020,162.39	20,432,422.46	67,443,769.08	3,924,497.21	220,047,303.21
2007	10,995,815.17	3,672,475.78	75,932,327.53	0.00	74,678,629.58	44,679,779.77	0.00	0.00	29,274.47	209,988,302.30
2008	3,210,670.58	9,478,019.00	210,855,376.29	364,883.89	79,062,222.22	49,505,158.08	355,595,989.19	303,354,706.81	18,160,230.39	1,029,587,256.45
2009	1,327,604.58	6,926,360.42	49,086,963.24	0.00	7,631,127.62	527,853.60	51,804.71	16,940.16	148,041.11	65,716,695.44
2010	1,400,778.01	757,578.61	21,712,701.07	0.00	10,159,916.07	2,386,449.11	0.00	1,341,534.95	4,141,286.56	41,900,244.38
2011	1,332,428.65	3,876,384.79	34,686,447.14	486,971.23	5,678,876.54	993,253.06	0.00	33,128.70	217,458.78	47,304,948.89
2012	83,905.97	2,519,117.76	29,196,218.08	684,434.89	33,921,365.50	26,720,629.81	0.00	0.00	4,262.20	93,129,934.21
Post-1996	34,241,344.14	41,641,427.34	681,716,013.03	1,776,529.49	249,458,938.62	147,815,416.24	393,567,347.28	382,699,850.91	26,705,236.29	1,959,622,103.34
Grand Total	74,193,788.12	45,916,129.59	782,059,721.69	27,807,177.64	350,315,036.69	224,765,203.52	394,385,258.09	388,638,511.34	33,499,309.05	2,321,580,135.73

PSNH										
Substations and Lines										
PTF Investment as of 12/31/12 (101 + 106)										
	350	352	353	354	355	356	357	358	359	Grand Total
1978 + PRIOR	6,958,557.30	1,581,961.92	9,744,239.02	4,984,250.97	14,214,655.62	13,209,278.90	0.00	0.00	124,461.75	50,817,405.47
1979	14,628.64	1,061.97	197,168.92	0.00	20,149.60	7,987.37	0.00	0.00	0.00	240,996.50
1980	1,509,193.04	22,615.23	844,112.91	3,683,253.81	130,557.04	2,446,589.80	0.00	0.00	468,079.93	9,104,401.76
1981	0.00	0.00	39,567.10	0.00	55,105.42	8,828.28	0.00	0.00	0.00	103,500.80
1982	18.16	0.00	16,149.67	0.00	119,784.62	9,531.48	0.00	0.00	15,557.34	161,041.27
1983	3,063,758.36	4,803.81	490,633.58	0.00	6,712,752.36	4,147,566.73	0.00	0.00	58,959.34	14,478,474.18
1984	1,251.27	0.00	363,220.57	0.00	31,174.37	3,868.27	0.00	0.00	0.00	399,514.48
1985	41.35	0.00	74,691.80	0.00	180,351.54	30,518.62	0.00	0.00	0.00	285,603.31
1986	0.00	575.06	116,997.49	0.00	284,255.28	131,602.30	0.00	0.00	0.00	533,430.13
1987	772,440.36	0.00	11,192.40	0.00	136,774.99	21,938.13	0.00	0.00	3,785.03	946,130.91
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	165,337.12	0.00	313,413.43	10,127.91	0.00	0.00	3,015.40	497,460.82
1991	16,694.54	0.00	22,362.43	0.00	321,114.13	58,253.11	0.00	0.00	6,908.16	425,332.37
1992	389.64	0.00	32,598.78	0.00	404,513.81	58,366.32	0.00	0.00	0.00	495,868.55
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	22,920.04	68,174.29	0.00	328,705.67	62,836.06	0.00	0.00	10,622.94	1,052,283.65
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	14,065,652.39	1,639,504.99	13,332,185.43	9,633,353.29	26,247,712.96	23,301,773.71	0.00	0.00	700,931.96	88,921,114.74
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	56,911.69	0.00	600,090.39	99,376.72	0.00	0.00	0.00	758,427.45
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	49,838.33	2,216,582.31	0.00	1,323,131.65	340,583.63	0.00	0.00	0.00	3,930,152.98
2003	984,130.03	120,412.38	13,671,996.69	0.00	3,907,008.02	1,490,494.91	0.00	0.00	0.00	20,174,042.02
2004	840,294.21	867,032.96	16,806,848.24	0.00	2,690,432.38	941,348.68	0.00	0.00	0.00	22,145,956.47
2005	731,133.17	1,100,565.50	12,935,954.68	0.00	3,316,986.24	1,516,010.48	0.00	0.00	0.00	19,600,650.07
2006	533,133.16	417,670.90	14,219,494.05	0.00	4,344,696.22	1,775,394.93	0.00	0.00	0.00	21,290,389.26
2007	5,012.50	416,869.30	21,019,719.67	48,014.31	17,662,667.30	4,424,350.60	0.00	0.00	0.00	43,576,633.68
2008	0.00	8,948,645.80	49,767,414.94	23,769.94	7,630,645.96	4,633,690.33	0.00	0.00	0.00	71,004,166.97
2009	5,203.01	2,027,760.79	47,167,732.23	0.00	7,022,272.21	10,384,455.95	0.00	0.00	7,337.13	66,614,761.33
2010	1,149,102.63	951,847.34	12,911,510.98	0.00	5,977,324.45	1,707,037.62	0.00	0.00	23,143.45	22,719,966.47
2011	0.00	2,783,384.04	46,101,155.09	0.00	9,254,001.57	4,314,132.61	0.00	0.00	58,909.77	62,511,583.08
2012	108,410.33	18,498,097.28	11,507,455.41	0.00	8,368,717.01	3,052,843.74	0.00	0.00	2,215.13	41,537,738.90
Post-1996	4,376,393.74	36,182,124.62	250,403,492.99	71,784.25	74,506,924.28	35,706,497.30	0.00	0.00	91,605.48	401,338,822.66
Grand Total	18,442,046.13	37,821,629.61	263,735,678.43	9,705,137.54	100,754,637.24	59,008,271.01	0.00	0.00	792,537.44	490,259,937.40

Western Massachusetts Electric Company										
Substations and Lines										
PTF Investment as of 12/31/12 (101 + 106)										
	<u>350</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	<u>Grand Total</u>
1978 + prior	9,276,164.85	1,284,660.98	15,769,613.04	1,059,716.22	9,405,118.69	13,504,876.29	29,748.54	1,169,976.09	-	51,499,874.70
1979	10,284.94	-	452,053.73	-	178,455.10	86,353.76	-	-	5,614.05	732,761.58
1980	1,449.53	-	1,036,585.24	-	-	1,909.38	-	-	-	1,039,944.15
1981	12,424.35	-	135,444.60	-	-	-	-	-	-	147,868.95
1982	50,999.36	-	311,521.81	-	-	13,901.64	-	-	-	376,422.81
1983	-	15,300.56	328,200.69	-	-	-	-	-	-	343,501.25
1984	73,847.45	-	1,076,610.44	-	72,572.55	132,518.95	-	-	-	1,355,549.39
1985	199,055.53	17,419.40	80,269.88	-	40,356.20	10,366.45	-	-	-	347,467.46
1986	-	-	360,866.67	-	-	61,388.46	-	-	-	422,255.13
1987	2,043.94	-	190,101.91	-	-	37,797.17	-	-	-	229,943.02
1988	1,125.58	-	659,319.65	-	39,865.01	33,013.71	-	-	25,912.84	759,236.79
1989	1,477.73	-	138,672.82	-	362,317.19	113,378.48	-	-	-	615,846.22
1990	9,163.43	-	21,344.41	-	97,580.99	33,171.77	-	-	-	161,260.60
1991	-	-	113,231.57	-	249,560.35	92,439.47	-	-	-	455,231.39
1992	-	-	353,017.16	-	183,464.03	15,808.38	-	-	-	552,289.57
1993	-	-	138,279.75	-	52,120.46	290,094.29	-	-	-	480,494.50
1994	-	22,064.09	21,248.13	-	134,481.31	45,255.98	-	-	-	223,049.51
1995	-	-	131,854.41	-	3,830.17	-	-	27,888.96	-	163,573.54
1996	-	16,396.08	-	-	-	213,574.66	-	-	-	229,970.74
Pre-1997	9,638,036.69	1,355,841.11	21,318,235.90	1,059,716.22	10,819,722.05	14,685,848.84	29,748.54	1,197,865.05	31,526.89	60,136,541.30
1997	-	-	677,020.95	-	414,195.88	2,977,961.82	-	-	-	4,069,178.65
1998	15,233.06	-	18,691.00	-	-	-	-	-	-	33,924.06
1999	-	-	1,752,100.15	-	1,928,894.28	2,331,629.52	-	-	-	6,012,623.95
2000	-	2,485.74	153,554.55	-	61,315.74	-	-	-	25,475.05	242,831.08
2001	-	-	1,969,495.00	-	13,159.84	95,408.84	-	-	-	2,078,063.68
2002	-	77,480.18	3,257,381.14	-	388,521.22	90,676.02	-	-	-	3,814,058.56
2003	-	-	2,336,653.98	-	67,136.37	9,154.96	-	-	-	2,412,945.31
2004	-	60,440.08	5,198,905.28	-	817,467.96	148,753.14	-	-	4,668.80	6,230,235.26
2005	-	49,236.70	8,187,369.37	-	49,026.42	-	-	-	-	8,285,632.49
2006	-	-	8,749,932.60	-	458,963.84	169,031.15	-	-	22,539.43	9,400,467.02
2007	899.11	-	6,688,751.68	-	198,528.56	686,951.86	-	-	4,728.76	7,579,859.97
2008	1,762.03	68,124.19	5,937,735.20	-	4,056,325.76	373,039.45	-	-	12,386.05	10,449,372.68
2009	796,770.04	278,146.58	8,984,198.06	-	8,034,339.86	1,151,429.18	-	-	-	19,244,883.72
2010	474,856.55	-	9,334,853.17	-	10,680,985.28	480,184.14	-	355,107.85	5,885.39	21,331,872.38
2011	33,562.78	20,897,170.35	6,574,247.87	-	32,804,795.13	6,722,268.39	265,500.52	662,272.09	47,002.18	68,006,819.30
2012	-	561,008.05	79,854,491.33	-	54,350,774.14	148,411,647.77	-	-	-	283,177,921.29
Post-1996	1,323,083.57	21,994,091.87	149,675,381.32	-	114,324,430.28	163,648,136.24	265,500.52	1,017,379.94	122,685.66	452,370,689.40
Grand Total	10,961,120.26	23,349,932.98	170,993,617.22	1,059,716.22	125,144,152.33	178,333,985.08	295,249.06	2,215,244.99	154,212.55	512,507,230.69

Transmission Related Taxes and Fees						
Calendar Year 2012						
Ln.	Tax - Description	CL&P	PSNH	WMECO	TOTAL	Reference From
1	CT Gross Earnings Tax	11,246,936	-	-	11,246,936	FF1 page 262 FN
2	CT Insurance Premium Excise Tax	78,273	12,335	11,840	102,448	
3	NH Excise Tax	-	2,328	-	2,328	
4	Fed. Excise Tax	-	-	-	-	
5	Mass. Excise Tax	37	7	7	51	
6	Corporation Business Tax (B)	-	-	1,253	1,253	
7	MA Sales Tax	-	-	1,772	1,772	
8	CT Sales Tax	51,432	6,975	7,425	65,832	
9	NH Business Enterprise Tax	33,044	122,941	6,594	162,579	
10	NY Business Franchise Tax	-	-	-	-	
11	Federal Highway use Tax	-	-	-	-	
12	TOTAL (sum of lines 1 to 11)	11,409,722	144,586	28,891	11,583,199	To Total RR Wksht 1
13	Pre-97 %	13.6812%	16.7851%	11.0139%		Worksheet 5A (Pre-1997)
14	Total Pre-97 Related Exp. (line 12x13)	1,560,987	24,269	3,182	1,588,438	To Worksheet 1A line 26
15	Post-96 %	74.0695%	75.7581%	82.8508%		Worksheet 5B (Post-1996)
16	Total Post-96 Related Exp. (line 12x15)	8,451,124	109,536	23,936	8,584,596	To Worksheet 1B line 27

Short Term Through and Out Revenues							
Used in the development of 2013 PTF Revenue Requirements							
		CL&P	PSNH	WMECO	TOTAL	Reference	
1	2012 Through and Out Revenues	1,594,809	357,699	352,800	2,305,308	FF1 pg 328.1 - 330.1	
2	Less: LT Revs	-	-	-	-		
3	ST T/O Revenues (Line 1-2)	1,594,809	357,699	352,800	2,305,308		
4	Pre-1997 PTF Plant	361,958,032	88,921,115	60,136,541	511,015,688	Attachment A, A1, A2	
5	Post-1996 PTF Plant	1,959,622,103	401,338,823	452,370,689	2,813,331,615	Attachment A, A1, A2	
6	Total PTF Plant (line 4+ 5)	2,321,580,135	490,259,938	512,507,230	3,324,347,303		
7	Ratio of Pre to Total (Line 4 / 6)	15.59%	18.14%	11.73%			
8	Ratio of Post to Total (Line 5 / 6)	84.41%	81.86%	88.27%			
		100.00%	100.00%	100.00%			
	Revenue Credits Allocated to Pre-1997 and Post-1996 Revenue Requirements:						
9	Pre-1997 Revenue Credit (line 3 * 7)	248,631	64,887	41,383	354,901	To W/S 1-A line 27	
10	Post-1996 Revenue Credit (line 3 * 8)	1,346,178	292,812	311,417	1,950,407	To W/S 1-B line 28	
11	Total Revenue Credit (line 9+10)	1,594,809	357,699	352,800	2,305,308		

CL+P RSP INVESTMENT BY PLANT ACCOUNT AT 12-31-12				
		Values		
Plant A/C	Work Order In Service Year	Sum of Gross Plant2	Sum of Accum Depr2	Sum of Net Plant2
35001	2006	667,786.66	0.00	667,786.66
	2007	118,049.25	0.00	118,049.25
	2008	0.00	0.00	0.00
35001 Total		785,835.91	0.00	785,835.91
35002	2004	423,777.17	47,069.73	376,707.44
	2005	2,350,091.18	234,284.47	2,115,806.71
	2006	6,029,794.95	530,241.48	5,499,553.47
	2007	10,866,768.33	823,433.39	10,043,334.94
	2008	646,688.13	40,853.33	605,834.80
	2009	1,320,946.74	66,172.16	1,254,774.58
	2010	605,307.25	22,094.66	583,212.59
35002 Total	2011	433,543.46	9,691.55	423,851.91
		22,676,917.21	1,773,840.77	20,903,076.44
35016	2004	0.00	0.00	0.00
	2006	4,512,744.67	0.00	4,512,744.67
35016 Total		4,512,744.67	0.00	4,512,744.67
35017	2005	0.00	0.00	0.00
	2007	0.00	0.00	0.00
	2008	410,775.47	25,949.98	384,825.49
35017 Total		410,775.47	25,949.98	384,825.49
352	2004	1,161,779.38	243,302.87	918,476.51
	2005	4,433,913.69	826,772.94	3,607,140.75
	2006	7,255,497.88	1,184,215.97	6,071,281.92
	2007	3,541,065.92	494,495.30	3,046,570.62
352 Total	2008	9,335,223.76	1,079,871.33	8,255,352.43
		25,727,480.63	3,828,658.40	21,898,822.23
353	2004	51,372,559.41	7,515,447.89	43,857,111.52
	2005	66,660,483.34	8,800,067.74	57,860,415.60
	2006	68,448,548.78	8,018,125.99	60,430,422.78
	2007	52,546,952.10	5,339,882.75	47,207,069.34
	2008	187,182,948.61	15,977,277.60	171,205,671.01
353 Total	2009	370,039.18	25,262.86	344,776.32
		426,581,531.41	45,676,064.83	380,905,466.58
354	2008	75,434.70	9,260.74	66,173.96
354 Total		75,434.70	9,260.74	66,173.96
355	2004	233,478.02	73,331.02	160,147.00
	2005	2,569,188.47	710,123.80	1,859,064.67
	2006	17,448,331.55	4,168,792.20	13,279,539.35
	2007	69,040,841.49	13,923,904.93	55,116,936.56
355 Total	2008	76,718,125.70	12,633,714.64	64,084,411.06
		166,009,965.23	31,509,866.58	134,500,098.64
356	2004	163,768.35	43,129.60	120,638.75
	2005	2,669,039.42	615,596.06	2,053,443.36
	2006	5,483,973.68	1,087,404.13	4,396,569.55
	2007	34,370,448.61	5,718,411.93	28,652,036.68
356 Total	2008	49,648,530.38	6,701,413.17	42,947,117.20
		92,335,760.43	14,165,954.90	78,169,805.54
357	2004	1,058,908.61	135,953.03	922,955.58
	2005	16,291,589.29	1,910,588.15	14,381,001.13
	2006	20,432,422.46	2,154,312.07	18,278,110.39
	2007	0.00	0.00	0.00
	2008	355,595,989.19	28,118,134.09	327,477,855.09
357 Total		393,378,909.54	32,318,987.35	361,059,922.19
358	2004	1,180,509.94	78,049.06	1,102,460.88
	2005	9,150,257.10	579,963.42	8,570,293.68
	2006	67,217,115.44	4,045,347.15	63,171,768.29
	2007	0.00	0.00	0.00
358 Total	2008	303,354,708.24	19,719,684.95	283,635,023.30
		380,902,590.73	24,423,044.58	356,479,546.14
359	2006	3,875,097.81	362,092.56	3,513,005.24
	2008	18,115,551.80	1,195,256.13	16,920,295.67
359 Total		21,990,649.61	1,557,348.69	20,433,300.91
Grand Total		1,535,388,595.55	155,288,976.83	1,380,099,618.71

PSNH RSP INVESTMENT BY PLANT ACCOUNT AT 12-31-12

		Data		
Plant A/C	Work Order In	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	40,352.30	361,585.37
	2007	416,869.30	35,994.70	380,874.60
	2008	8,203,611.74	589,334.83	7,614,276.91
352 Total		9,022,418.71	665,681.83	8,356,736.88
353	2004	14,069,510.91	2,013,461.83	12,056,049.08
	2005	5,432,171.26	702,575.14	4,729,596.12
	2006	11,518,798.62	1,324,334.93	10,194,463.69
	2007	14,237,722.52	1,422,651.61	12,815,070.91
	2008	36,332,046.43	3,055,535.27	33,276,511.16
353 Total		81,590,249.75	8,518,558.78	73,071,690.96
355	2004	1,684,384.08	357,962.67	1,326,421.41
	2005	145,459.57	27,350.20	118,109.37
	2006	3,091,882.44	505,470.19	2,586,412.25
	2007	16,838,977.22	2,338,581.00	14,500,396.22
	2008	3,905,123.42	445,903.12	3,459,220.30
355 Total		25,665,826.73	3,675,267.18	21,990,559.55
356	2004	741,149.36	172,806.89	568,342.47
	2005	38,143.60	7,710.48	30,433.12
	2006	1,555,946.54	267,779.30	1,288,167.24
	2007	4,126,890.94	590,574.40	3,536,316.54
	2008	1,669,751.37	192,347.52	1,477,403.85
356 Total		8,131,881.81	1,231,218.59	6,900,663.22
Grand Total		124,415,389.50	14,090,726.38	110,324,663.11

WMECO RSP INVESTMENT BY PLANT ACCOUNT AT 12-31-12

		Data		
Plant A/C	Year	Sum of Gross Plant2	Sum of Accum Depr2	Sum of Net Plant2
353	2004	3,553,047.37	523,888.10	3,029,159.27
	2005	3,055,668.68	407,941.83	2,647,726.85
	2006	4,654,941.92	553,080.04	4,101,861.88
	2008	1,095,892.69	95,255.68	1,000,637.01
Grand Total		12,359,550.66	1,580,165.65	10,779,385.01

CL+P ADVANCED TECHNOLOGY INVESTMENT AT 12-31-12					
<u>Work Order Description</u>	<u>Plant A/C</u>	<u>Work Order In Service Year</u>	<u>Gross Plant</u>	<u>Accum. Depr.</u>	<u>Net Plant</u>
MN 345KV SEG1 BESECK SWITCH STATION	35389	2007	214,782.79	21,826.48	192,956.31
MN 345KV SEGMENT 2 EAST DEVON S/S-115KV WORK	35389	2008	242,950.15	20,737.37	222,212.78
MN 345KV SEGMENT 2 EAST DEVON S/S-345KV WORK	35389	2008	155,527.35	13,275.27	142,252.08
MN 345KV SEGMENT 2 EAST DEVON S/S-AUTOS	35389	2008	167,348.48	14,284.27	153,064.21
MN 345KV SEGMENT 2 EAST DEVON S/S-AUTOS	35389	2008	131,699.72	11,241.42	120,458.29
MN 345KV SEGMENT 3 EAST DEVON TO SINGER	357	2008	29,727,273.87	2,350,632.44	27,376,641.43
MN 345KV SEGMENT 3 EAST DEVON TO SINGER	358	2008	20,921,098.89	1,080,790.25	19,840,308.64
MN 345KV SEG 3 ROW EASEMENTS	35002	2007	159,437.18	12,081.41	147,355.77
MN 345KV SEG 3 ROW EASEMENTS	35002	2007	329,790.68	24,990.00	304,800.68
BRIDGEPORT 2006 AQUIRED EASEMENTSSEG 3 MN345K	35002	2006	551,702.94	48,515.05	503,187.89
MN 345KV SEG 3 ROW EASEMENT LL 430_BRIDGEPORT	35002	2009	170,502.97	8,541.26	161,961.71
MN 345KV SEG 3 ROW EASEMENT LL 430.01 BRIDGEP	35002	2009	53,105.96	2,660.32	50,445.64
MN 345KV SEG 3 ROW EASEMENT LL 437 BRIDGEPORT	35002	2010	93,861.12	3,426.08	90,435.04
MN 345KV SEG 3 ROW EASEMENT LL 442 & 443	35002	2009	54,542.04	2,732.26	51,809.78
MN 345KV SEG 3 ROW EASEMENT LL 444 BRIDGEPORT	35002	2010	19,780.99	722.04	19,058.95
MN 345KV SEG 3 ROW EASEMENT LL 451.02 B'PORT	35002	2009	14,681.15	735.44	13,945.71
MN 345KV SEGMENT 4 SINGER TO NORWALK	357	2008	212,508,482.65	16,803,738.50	195,704,744.15
MN 345KV SEGMENT 4 SINGER TO NORWALK	358	2008	138,709,593.20	7,165,779.19	131,543,814.01
MN 345KV SEGMENT 4 NORWALK SS	35389	2008	88,159.73	7,525.00	80,634.73
MN 345KV SEGMENT 4 NORWALK SS	35389	2008	276,984.31	23,642.40	253,341.90
MN 345KV SEGMENT 4 NORWALK SS	35389	2008	132,244.65	11,287.94	120,956.71
MN 345KV SEGMENT 4 NORWALK SS_SHUNT REACTORS	35389	2008	7,967,373.18	680,066.93	7,287,306.25
MN 345KV SEG 4 ROW EASEMENTS	35002	2007	832,242.54	63,063.49	769,179.05
MN 345KV SEG 4 ROW EASEMENTS	35002	2007	1,969,149.47	149,213.02	1,819,936.45
MN 345KV SEG 4 ROW EASEMENTS	35002	2007	1,100,725.15	83,407.85	1,017,317.30
FAIRFIELD 2006 AQUIRED EASEMENTS MN345KV SEG4	35002	2006	1,276,433.81	112,245.63	1,164,188.18
WESTPORT 2006 EASEMENTS AQUIRED MN345KV SEG4	35002	2006	1,471,790.40	129,424.68	1,342,365.72
NORWALK 2006 EASEMENTS AQUIRED MN345KV SEG 4	35002	2006	871,657.40	76,650.85	795,006.55
MN 345KV SEG 4 ROW EASEMENT LL 421 FAIRFIELD	35002	2009	172,772.58	8,654.95	164,117.63
MN 345KV SEG 4 ROW EASEMENT LL 518 WESTPORT	35002	2010	146,494.92	5,347.29	141,147.63
MN 345KV SEG 4 ROW EASEMENT LL 520 WESTPORT	35002	2009	70,682.00	3,540.78	67,141.22
MN 345KV SEG 4 ROW EASEMENT LL 523 WESTPORT	35002	2010	97,312.09	3,552.04	93,760.05
MN 345KV SEG 4 ROW EASEMENT LL 541 WESTPORT	35002	2010	91,794.06	3,350.63	88,443.43
MN 345KV SEG 4 ROW EASEMENT LL 543.01 WESTPOR	35002	2008	21,606.96	1,364.98	20,241.98
MN 345KV SEG 4 ROW EASEMENT LL 515 NORWALK	35002	2011	232,761.22	5,203.21	227,558.01
MN 345KV SEG 4 ROW EASEMENT LL 516 NORWALK	35002	2011	200,782.24	4,488.34	196,293.90
MN 345KV SEG 4 ROW EASEMENT LL 543.01 WESTPOR	35002	2010	156,064.07	5,696.58	150,367.49
			421,403,192.91	28,964,435.64	392,438,757.27

CL&P/WMECO NEEWS Investment Balances as of 12-31-12

CL&P/WMECO NEEWS Investment Balances as of 12-31-12								
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	40329301	REBUILD #353 345KV LINE FROM KLEEN TO WRJ	10101	355	2010	1,423,289.38	130,033.39	1,293,255.99
	40329301	REBUILD #353 345KV LINE FROM KLEEN TO WRJ	10101	356	2010	350,026.97	25,852.02	324,174.95
	40330401	310/368 LINE SEPARATION	10101	355	2010	6,164,599.96	563,205.07	5,601,394.89
	40330401	310/368 LINE SEPARATION	10101	356	2010	1,792,942.46	132,421.79	1,660,520.67
	40330402	310/368 LINE REBUILD/SEPARATION	10101	355	2010	429,763.61	39,263.71	390,499.90
	40330402	310/368 LINE REBUILD/SEPARATION	10101	356	2010	5,149.68	380.34	4,769.34
	40330403	310/368 LINE REBUILD/SEPARATION	10101	355	2010	1,271,935.06	116,205.48	1,155,729.58
	40330403	310/368 LINE REBUILD/SEPARATION	10101	356	2010	194,030.91	14,330.58	179,700.33
						11,631,738.03	1,021,692.38	10,610,045.65
	40330404	310/368 LINE REBUILD MANCHESTER 345KV SS MODS	10101	352	2011	118,062.71	4,770.33	113,292.38
	40330404	310/368 LINE REBUILD MANCHESTER 345KV SS MODS	10101	353	2011	259,023.38	8,064.12	250,959.26
	40330405	INSTALL STRUCTURE 10006 FOR 368 LINE	10101	355	2011	598,120.60	32,835.41	565,285.19
	40330405	INSTALL STRUCTURE 10006 FOR 368 LINE	10101	356	2011	677.18	29.85	647.33
	403694AW	NEEWS MANCHESTER-MEEKVILLE JCT LAND ACQUIS	10101	35002	2011	113,478.35	2,536.73	110,941.62
	403694CR	NEEWS MANCHESTER-MEEKVILLE JCT LAND ACQUIS	10101	35002	2011	36,730.36	821.08	35,909.28
	403694JC	NEEWS MANCHESTER-MEEKVILLE JCT LAND ACQUIS	10101	35002	2011	145,395.25	3,250.21	142,145.04
						1,271,487.83	52,307.73	1,219,180.10
	40329001	REALIGN 115KV CKT. 1448	10601	356	2012	664,664.71	9,743.83	654,920.88
	40329002	345KV 3642 LINE, RECONFIGURE 345KV-3557 LINE	10601	356	2012	13,458,611.10	197,300.01	13,261,311.09
	40329003	REALIGN 1763/1310 115KV DOUBLE CIRCUIT POLES	10601	356	2012	3,154,184.25	46,239.58	3,107,944.67
	40373901	1410 LINE UPRATE MONTVILLE TO BUDDINGTON	10601	355	2012	1,262,506.46	23,188.56	1,239,317.90
	402830CB	NEEWS: N. BLOOMFIELD 115KV CAPACITOR BANKS	10601	353	2012	755,353.63	8,126.12	747,227.51
	403290MR	MANCHESTER S/S MODS, 345KV 3642 LINE TIE-IN	10601	353	2012	4,628,109.26	49,789.34	4,578,319.92
						23,923,429.41	334,387.44	23,589,041.97
CL&P Total						36,826,655.27	1,408,387.55	35,418,267.72

CL&P/WMECO NEEWS Investment Balances as of 12-31-12								
Company	Work Order	Work Order Description	G/L A/C	Plant A/C	Work Order In Service	Gross Plant	Accum Depr	Net Plant
WMECO	403349BG	LL#2060.00 BOGLISCH PROPERTY PURCHASE AGAWAM	10101	35001	2009	243,187.11	0.00	243,187.11
	403349ES	LL#16018.40 MEMORIAL AVE. W.SPRINGFIELD MA	10101	35002	2009	103,585.68	73.84	103,511.84
	403349MA	LL#16018.00 MEMORIAL AVE. W.SPRINGFIELD MA	10101	35002	2009	187,836.20	133.90	187,702.30
	403349ME	LL#16027.01 TANGREDI, MARSHA CLAIRE AGAWAM MA	10101	35002	2009	34,535.15	24.62	34,510.53
	403349MJ	LL#16020.00 JOHNSON & RICHARD AGAWAM MA	10101	35002	2009	28,800.09	20.53	28,779.56
	403349ML	LL#16019.00 HOUGHTON & RACKLIFFE AGAWAM MA	10101	35002	2009	34,104.13	24.31	34,079.82
	403349MM	LL#16021.00 HOUGHTON & RACKLIFFE AGAWAM MA	10101	35002	2009	34,129.14	24.33	34,104.81
	403349MN	LL#16023.00 HOUGHTON & RACKLIFFE AGAWAM MA	10101	35002	2009	34,129.16	24.33	34,104.83
						700,306.66	325.86	699,980.80
	403349AA	LL#16031.00 CITY OF SPRFLD, WEST SPRINGFIELD	10101	35002	2010	61,343.13	31.23	61,311.90
	403349AD	LL#16042.00 TOWN OF WEST SPRINGFIELD, MA	10101	35002	2010	56,877.07	28.96	56,848.11
	403349RR	LL#16014.01 REAR RIVER RD. W.SPRINGFIELD MA	10101	35002	2010	57,104.57	29.08	57,075.49
	403349MQ	LL#16026.00 CATHERINE&MATTHEW SIANO AGAWAM MA	10101	35002	2010	63,336.62	32.25	63,304.37
	403349MT	LL#16030.00 CITY OF SPRFLD 147M ST AGAWAM MA	10101	35002	2010	84,059.25	42.80	84,016.45
	403349R5	LL#16045.00 CITY OF SPRINGFIELD, W.SPRFLD, MA	10101	35002	2010	62,525.12	31.84	62,493.28
						385,245.76	196.16	385,049.60
	40328901	W SPRINGFIELD-AGAWAM REBUILD 1311 LINE	10101	353	2011	26,748.90	844.85	25,904.05
	40328901	W SPRINGFIELD-AGAWAM REBUILD 1311 LINE	10101	355	2011	9,936,172.66	339,781.04	9,596,391.62
	40328901	W SPRINGFIELD-AGAWAM REBUILD 1311 LINE	10101	356	2011	2,872,495.21	92,954.92	2,779,540.29
	40328902	W SPRINGFIELD-AGAWAM 1412 LINE REBUILD	10101	353	2011	11,614.40	366.84	11,247.56
	40328902	W SPRINGFIELD-AGAWAM 1412 LINE REBUILD	10101	355	2011	8,139,564.21	278,343.54	7,861,220.67
	40328902	W SPRINGFIELD-AGAWAM 1412 LINE REBUILD	10101	356	2011	2,102,509.56	68,037.92	2,034,471.64
	402952AB	NEEWS: AGAWAM 115KV CAPACITOR BANKS	10101	353	2011	3,600,017.43	113,704.90	3,486,312.53
	402952CD	NEEWS: CARDWELL G50F SS MODIFICATIONS	10601	352	2011	20,333,594.99	633,958.18	19,699,636.81
	403289AU	NEEWS: AGAWAM UNDERGROUND WORK	10101	357	2011	265,500.52	16,604.84	248,895.68
	403289AU	NEEWS: AGAWAM UNDERGROUND WORK	10101	358	2011	662,272.09	33,053.39	629,218.70
	403289TW	AGAWAM-1412 TERMINAL UPGRADE	10101	353	2011	637,770.55	20,143.69	617,626.86
	403289WS	NEEWS: WEST SPRINGFIELD G08C SS MODS	10101	353	2011	70,791.14	2,235.91	68,555.23
	403289WU	NEEWS: W. SPRINGFIELD UNDERGROUND WORK	10101	353	2011	240,080.02	7,582.82	232,497.20
						48,899,131.68	1,607,612.84	47,291,518.84
	40295215	NEEWS: LINE 1515 TIE IN TO LUDLOW SS	10601	356	2012	800,841.10	9,506.49	791,334.61
	40295230	NEEWS: LINE 301 TIE IN TO LUDLOW SS	10601	356	2012	1,830,737.30	21,732.01	1,809,005.29
	40295234	NEEWS: LINE 3419 TIE IN TO LUDLOW SS	10601	356	2012	1,189,896.28	14,124.82	1,175,771.46
	40295245	LINE 1645-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	229,668.85	2,726.31	226,942.54
	40295281	LINE 1781-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	10,462,490.13	124,196.35	10,338,293.78
	40295282	LINE 1782-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	7,709,893.92	91,521.30	7,618,372.62
	40295296	NEEWS: LINE 3196 AGAWAM TO LUDLOW (GROUP 2)	10601	355	2012	25,470,939.80	308,436.02	25,162,503.78
	402952A2	NEEWS: AGAWAM AUTO XFMR 16C-2X 3 UNITS	10601	353	2012	8,360,256.38	90,662.05	8,269,594.33
	402952A3	NEEWS: AGAWAM AUTO XFMR 16C-3X 3 UNITS	10601	353	2012	7,407,904.85	80,334.36	7,327,570.49
	402952A5	NEEWS: AGAWAM G16C SS MODS-115KV SIDE OF SS	10601	353	2012	13,801,184.40	149,665.70	13,651,518.70
	402952AG	NEEWS: AGAWAM G16C SS MODS-345KV SIDE OF SS	10601	353	2012	39,030,110.63	423,258.52	38,606,852.11
	402952AL	LINE 3196-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	50,099,071.50	594,707.54	49,504,363.96
	402952AP	LINE 1230-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	8,614,234.87	102,256.39	8,511,978.48
	402952CA	LINE 1314-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	27,573,176.13	327,310.97	27,245,865.16
	402952CL	LINE 1481-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	10,367,980.64	123,074.46	10,244,906.18
	402952L3	NEEWS: LUDLOW AUTO 19S-3X 3 UNITS	10601	353	2012	8,825,625.00	95,708.70	8,729,916.30
	402952L4	NEEWS: LUDLOW SPARE AUTO XFMR 19S-1X 1 UNIT	10601	353	2012	807,318.04	8,754.89	798,563.15
	402952LR	LINE 1552-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	6,187,814.59	73,453.26	6,114,361.33
	402952SL	LINE 1845-REBUILD/RECONDUCTOR FOR NEEWS	10601	356	2012	21,985,524.79	260,982.03	21,724,542.76
	402952X1	NEEWS: LINE X176 TIE IN TO LUDLOW SS	10601	356	2012	519,122.30	6,162.31	512,959.99
						251,273,791.50	2,908,574.48	248,365,217.02
WMECO Total						301,258,475.6	4,516,709.3	296,741,766.3

Legacy NU Transmission 2013 PTF In-Service Forecast

Attachment G

(\$ X 1000)

Company	ISO-NE RSP Project ID	Project Title	Estimated PTF In-Service
CL&P	(a)	NEEWS Projects - CT	\$ 124,760
CL&P	N/A	NEEWS CWIP	\$ -
CL&P	N/A	115 KV Hollow Core Insulator Projects	\$ 31,108
CL&P	N/A	345 KV & 115KV NERC Facility Ratings Projects	\$ 27,077
CL&P	N/A	Relay Replacements	\$ 14,792
CL&P	85	South Meadow Bulk Power Substation Upgrades	\$ 12,207
CL&P	1498	South Norwalk Electric Works 115KV Tie	\$ 9,619
CL&P	N/A	Safety & Obsolete Equipment Replacement Projects	\$ 6,990
CL&P	N/A	Replace Torrington 8A-1X Auto Transformer	\$ 6,886
CL&P	1230	Northeast Simsbury Transmission Upgrades	\$ 6,830
CL&P	1218	Separate Lines 348, 310, 371 & 383	\$ 6,504
CL&P	N/A	OPGW Projects	\$ 6,458
CL&P	N/A	Break Fix, Tools & Other Annuals	\$ 5,453
CL&P	N/A	SCADA Upgrades & Expansion	\$ 3,517
CL&P	N/A	Digital Fault Recorder Expansion for Capacitor Banks	\$ 2,366
CL&P	N/A	Transformer Load Tap Changers and Oil Filtration Systems	\$ 1,640
CL&P	1229	1990 Line Structure Replacement	\$ 1,488
CL&P	N/A	Norwalk - Install Temperature Monitoring UG	\$ 1,457
CL&P	1497	Line 1416 Loop into Third Taxing District (Norwalk) SS - Tie	\$ 1,295
CL&P	N/A	1813 & 1238 Line Lightning Protection	\$ 1,088
CL&P	N/A	Additional PTF Reliability Projects	\$ 3,706
		Total CL&P	\$ 275,241
PSNH	1026,1028	Maine Power Reliability Project	\$ 22,754
PSNH	1276,1277,1278,1312,1314	Central Region Reliability Projects	\$ 15,271
PSNH	1301-1310,1379	Southern Region Reliability Projects	\$ 9,011
PSNH	1269-1275,1346	Western Region Reliability Projects	\$ 7,746
PSNH	N/A	OPGW Projects	\$ 3,851
PSNH	N/A	Break Fix, Tools & Other Annuals	\$ 3,275
PSNH	N/A	Relay Replacements	\$ 2,198
PSNH	(b)	Deerfield 2nd Auto Transformer	\$ 1,973
PSNH	N/A	Reeds Ferry Circuit Breaker Addition	\$ 992
PSNH	N/A	Safety & Obsolete Equipment Replacement Projects	\$ 927
PSNH	1316-1325	Seacoast Region Reliability Projects	\$ 510
PSNH	N/A	115KV NERC Alert Projects	\$ 472
PSNH	N/A	Additional PTF Reliability Projects	\$ 1,290
		Total PSNH	\$ 70,270
WMECO	(a)	NEEWS Projects - MA	\$ 217,416
WMECO	N/A	NEEWS CWIP	\$ -
WMECO	N/A	OPGW Projects	\$ 8,555
WMECO	N/A	Chicopee Electric Light Project	\$ 4,438
WMECO	N/A	115 KV Hollow Core Insulator Projects	\$ 4,055
WMECO	1268	312 Line Structure Replacement (115KV)	\$ 3,028
WMECO	N/A	SCADA Upgrades & Expansion	\$ 1,845
WMECO	N/A	Relay Replacements	\$ 1,028
WMECO	N/A	Safety & Obsolete Equipment Replacement Projects	\$ 668
WMECO	N/A	Break Fix, Tools & Other Annuals	\$ 524
WMECO	N/A	Additional PTF Reliability Projects	\$ 706
		Total WMECO	\$ 242,263

Total Legacy NU PTF Plant In-Service \$ 587,774

Total Legacy NU CWIP \$ -

Total Legacy Northeast Utilities \$ 587,774

(a) There are multiple RSP Project ID's associated with the NEEWS projects in both CT & MA: 191,196,259,576,687-688, 802,810,816,818-820,826,828,829,1010,1054,1070-1074, 1080, 1085,1100-1105, 1114, 1235, 1369-1371,1368,1378

(b) There are multiple RSP Project ID's associated with the Deerfield 2nd Auto Project: 277, 1137, 1138, 1139, 1140, 1141

Note: RSP Project ID based on Approved ISO-NE RSP Listing published on March 27, 2013

Northeast Utilities System Companies'
Capitalization - 2012
for Rates billed June 1, 2013 - May 31, 2014

Line No.		CL&P Year End	PSNH Year End	WMECO Year End	Reference
	Long Term Debt				
1	Outstanding Bonds (A/C 221 & 224)	2,224,649,969	999,485,000	540,000,000	FF1 pg 257 ln. 33 + pg 256.1, ln 12 fn (PCRB Principal)
2	Premium on LTD (A/C 225)	-	-	9,303,140	FF1 page 112 ln. 22
3	Discount on LTD (A/C 226)	3,644,473	1,553,438	1,334,946	FF1 page 112 ln. 23
4	Debt Expense (A/C 181)	14,486,718	7,181,757	3,750,297	FF1 page 111 ln. 69
5	Gain on Reacquired Debt (A/C 257)	-	-	-	FF1 page 113 ln. 61
6	Total LTD (Year End) line 1+2-3-4+5)	2,206,518,778	990,749,805	544,217,897	
7	Total LTD (Beginning of Year / End of Year Average)	2,263,774,475	990,148,248	491,619,003	(Line 6 + prior YE capitalization) / 2
8	Annual Amort of Prem Disc. & Exp. (A/C 428 minus A/C 429)	1,727,577	1,388,320	283,970	FF1 page 117 ln. 63 minus ln. 65
9	Annual Amort of Gain on Reacquired Debt (A/C 429.1)	-	-	-	FF1 page 117 ln. 66
10	Annual Interest Cost (A/C 427)	124,819,181	43,498,736	23,095,753	FF1 pg 257 ln. 33 + pg 256.1, ln 12 fn (PCRB Interest)
11	Total Annual Cost (line 8-9+10)	126,546,758	44,887,056	23,379,723	
12	LTD Cost of Capital (line 11/7)	5.59%	4.53%	4.76%	
	Preferred Stock				
13	Outstanding Stock (A/C 204)	116,200,000	-	-	FF1 page 112 ln. 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)	253,217	-	-	FF1 page 112 ln. 10
17	Net Proceeds (Year End) line 13+14-15-16	116,766,810	-	-	
18	Net Proceeds (BOY / EOY Average)	116,741,488			(Line 17 + prior YE Net Proceeds) / 2
19	Issue Expense Amortization (A/C 214)	50,644	-	-	FF1 page 112 ln. 10 (diff. in py & cy)
20	Dividend (A/C 437)	5,558,609	-	-	FF1 page 118 ln. 25
21	Annual Expense (line 19+20)	5,609,253	-	-	
22	PS Cost of Capital (line 21/18)	4.80%	-	-	
23	Proprietary Capital (A/C 201 to 219)	2,654,529,079	1,086,515,290	558,008,793	FF1 page 112 ln. 16
24	Common Equity (line 23-17)	2,537,762,269	1,086,515,290	558,008,793	
25	Common Equity (BOY / EOY Average)	2,472,399,023	1,082,438,833	510,154,656	(Line 24 + prior YE common equity) / 2

Northeast Utilities System Companies'
AFUDC Equity Amortization in Depreciation - 2012
for Rates billed June 1, 2013 - May 31, 2014
Pre-1997

	<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	2,091,747	13.6812%	286,176	125,851	13.6812%	17,218	303,394
PSNH	200,688	16.7851%	33,686	26,196	16.7851%	4,397	38,083
WMECO	87,006	11.0139%	9,583	846	11.0139%	93	9,676
	<u>2,379,441</u>		<u>329,445</u>	<u>152,893</u>		<u>21,708</u>	<u>351,153</u>

Northeast Utilities System Companies'
AFUDC Equity Amortization in Depreciation - 2012
for Rates billed June 1, 2013 - May 31, 2014
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	2,091,747	74.0695%	1,549,347	125,851	74.0695%	93,217	1,642,564
PSNH	200,688	75.7581%	152,037	26,196	75.7581%	19,846	171,883
WMECO	87,006	82.8508%	72,085	846	82.8508%	701	72,786
	<u>2,379,441</u>		<u>1,773,469</u>	<u>152,893</u>		<u>113,764</u>	<u>1,887,233</u>

Note: This worksheet represents the "C" component of the Federal and State Income Tax Formula.

Connecticut Light and Power Company					
2012 PTF Activity					
	Beginning				Ending
	Balance			Adjustments/	Balance
Plant Account	1-1-12	Additions	Retirements	Transfers	12-31-12
350	73,854,305.46	83,905.97	(33,965.07)	289,541.76	74,193,788.12
352	47,357,475.13	(827,191.10)	(37,728.29)	(576,426.14)	45,916,129.59
353	750,682,907.50	33,607,311.06	(2,076,616.28)	(153,880.59)	782,059,721.69
354	27,046,614.27	1,156,458.77	(395,895.40)	0.00	27,807,177.64
355	316,813,521.89	33,508,040.65	(582,222.69)	575,696.84	350,315,036.69
356	204,430,172.99	21,645,034.23	(587,937.37)	(722,066.33)	224,765,203.52
357	393,889,083.16	484,647.12	0.00	11,527.81	394,385,258.09
358	388,292,788.97	338,200.32	0.00	7,522.05	388,638,511.34
359	33,328,908.65	170,400.40	0.00	0.00	33,499,309.05
Grand Total	2,235,695,778.03	90,166,807.42	(3,714,365.10)	(568,084.60)	2,321,580,135.73

Public Service Company of New Hampshire					
2012 PTF Activity					
	Beginning				Ending
	Balance			Adjustments/	Balance
<u>Plant Account</u>	<u>1-1-12</u>	<u>Additions</u>	<u>Retirements</u>	<u>Transfers</u>	<u>12-31-12</u>
350	18,268,087.31	175,579.87	(120.39)	(1,500.66)	18,442,046.13
352	17,924,311.35	19,966,955.33	(56,988.71)	(12,648.35)	37,821,629.61
353	255,481,463.06	9,790,574.77	(1,371,131.83)	(165,227.57)	263,735,678.43
354	9,705,137.54				9,705,137.54
355	96,270,980.24	4,771,610.62	(287,953.62)		100,754,637.24
356	56,607,694.17	2,575,439.48	(174,862.64)		59,008,271.01
357	0.00				0.00
358	0.00				0.00
359	790,380.41	2,215.13		(58.10)	792,537.44
Grand Total	455,048,054.08	37,282,375.19	(1,891,057.19)	(179,434.68)	490,259,937.40
Source: 2012 PSNH PTF Activity Detail					

Western Massachusetts Electric Company					
2012 PTF Activity					
	Beginning				Ending
	Balance			Adjustments/	Balance
<u>Plant Account</u>	<u>1-1-12</u>	<u>Additions</u>	<u>Retirements</u>	<u>Transfers</u>	<u>12-31-12</u>
350	10,938,777.22	(43,331.82)	(31,121.66)	96,796.51	10,961,120.26
352	2,078,167.43	21,254,019.83	(6,904.04)	24,649.76	23,349,932.98
353	91,240,058.97	79,737,953.55	(74,423.17)	90,027.87	170,993,617.22
354	1,206,214.91	(154,924.71)	8,426.02		1,059,716.22
355	74,577,809.97	51,385,688.32	(819,345.96)		125,144,152.33
356	29,176,532.50	149,284,168.72	(126,716.14)		178,333,985.08
357	295,249.06				295,249.06
358	2,215,244.99				2,215,244.99
359	154,212.55				154,212.55
Grand Total	211,882,267.61	301,463,573.88	(1,050,084.95)	211,474.15	512,507,230.69

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: 5/11/2013

Revenue Requirements for (year): 2012

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

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I =	<u>0</u> (a)	<u>2,632,351</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>2,632,351</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements		<u>0</u> (m)
Annual True-up		<u>(20,768)</u> (n)
Interest Charge on Annual True-up	<u>-</u> (l)	<u>(681)</u> (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	<u>0</u> (p)	<u>2,610,902</u> (q)
Annual Projected 2008 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>2,610,902</u> (r) = (p)+(q)

Norwood Municipal Light Department
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2012 and billed 06/12-05/13

RNS Rate

		Attachment F			
		Reference	Pre 1997	Post 1996	Reference
Line No.	I. INVESTMENT BASE	Section:			
1	Transmission Plant	I (A)(1)(a)	0	15,910,580	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	0	252,264	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	16,162,844	
5	Accumulated Depreciation	I (A)(1)(d)	0	3,478,114	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	12,684,730	
10	Prepayments	I (A)(1)(h)	0	2,037	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	34,832	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		0	12,721,599	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	0	1,017,728	Worksheet 2
15	Depreciation Expense	I (B)	0	403,168	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	21,100	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	0	109,467	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	0	169,189	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)		0	2,653,119	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			2,632,351	
31	Post-2003 Enhanced Return Addition to Revenue Requirement			-	
32	Total Post-96 PTF Revenue Requirement			2,632,351	
33	Post-96 PTF Transmission Plant in Service			15,910,580	
34	Post-96 Carrying Charge Factor (Post-96 CCF)			16.7%	
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			0	

RNS Rate

Norwood Municipal Light Department
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2012

1 2012 Actual Annual RR			0	2,632,351	Input Panel Subtotals
2 2012 Est. Transmission Revenue Requirements (as billed)	6/12-05/13	Appendix C	0	2,653,119	ATRR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)			0	-20,768	

Pre'97	(Overcollection)/Undercollection
Post'96	\$0
	(\$20.768)

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2012	\$0	-\$20,768	0.27%	\$0	(\$56)
July 2012	0	-20,824	0.27%	0	(\$56)
August 2012	0	-20,824	0.27%	0	(\$56)
September 2012	0	-20,824	0.27%	0	(\$56)
October 2012	0	-20,993	0.27%	0	(\$57)
November 2012	0	-20,993	0.27%	0	(\$57)
December 2012	0	-20,993	0.27%	0	(\$57)
January 2013	0	-21,163	0.27%	0	(\$57)
February 2013	0	-21,163	0.27%	0	(\$57)
March 2013	0	-21,163	0.27%	0	(\$57)
April 2013	0	-21,334	0.27%	0	(\$58)
May 2013	0	-21,334	0.27%	0	(\$58)
		Total Interest		\$0	-\$681
		True-Up		\$0	-\$20,768
		Total TU & Int		\$0	-\$21,449

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 11, 2012

Revenue Requirements for (year): Calendar Year 2012

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 =	<u> </u> (a)	<u>2,632,351</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>2,632,351</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>2,632,351</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>2,632,351</u></u> (l)=(k)+(b)+(g)-(h)

Calendar Year 2012

Shading denotes an input

		Attachment F		
		Reference	Norwood	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	15,949,767	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	292,597	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)		16,242,364	
5	Accumulated Depreciation	(A)(1)(d)	3,856,531	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)		12,385,833	
10	Prepayments	(A)(1)(h)	2,364	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)	25,454	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		12,413,651	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	993,092	Worksheet 2
15	Depreciation Expense	(B)	480,539	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)	22,620	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	59,994	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	143,639	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)		2,632,351	

Norwood Municipal Light Department

Annual Revenue Requirements Calendar Year 2012

Shading denotes an input

	CAPITALIZATION 12/31/2007	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 61,150,000	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	\$ 61,150,000	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{12,413,651} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{12,413,651} \right)}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

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

(PTF)

INVESTMENT BASE	\$ 12,413,651	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>993,092</u>	To Worksheet 1

Norwood Municipal Light Department

Calendar Year 2012

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	\$ 15,949,767		15,949,767		15,949,767	Line 1, Worksheet 5
2	4,637,605	9.6677% (a)	448,350	65.2608%	292,597	Page 8B line 29(g)
3	Total (line 1+2)		16,398,117		16,242,364	
4	Transmission Plant Held for Future Use		0	65.2608%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	Transmission Accum. Depreciation		5,771,947	65.2608%	3,766,819	Page 8A, line 31(g) less Page 16, line 31(g)
6	General Plant Accum. Depreciation	9.6677% (a)	137,467	65.2608%	89,712	Page 8B, line 29(g) less Page 17, line 29(g)
7	Total (line 5+6)		5,909,414		3,856,531	
<u>Transmission Accumulated Deferred Taxes</u>						
8	Accumulated Deferred Taxes (281-283)	33.9400% (c)	0	65.2608%	0	None known
9	Accumulated Deferred Taxes (190)	33.9400% (c)	0	65.2608%	0	None known
10	Total (line 8+9)		0		0	
11	Transmission loss on Reacquired Debt	33.9400% (c)	0	65.2608%	0	None known
<u>Other Regulatory Assets</u>						
12	FAS 106	9.6677% (a)	0	65.2608%	0	None known
13	FAS 109	33.9400% (c)	0	65.2608%	0	None known
14	Other Regulatory Liabilities (254.DK)	33.9400% (c)	0	65.2608%	0	
15	Total (line 12+13+14)		0		0	
16	Transmission Prepayments	9.6677% (a)	3,623	65.2608%	2,364	Assumed none
17	Transmission Materials and Supplies		0	65.2608%	0	Assumed none
<u>Cash Working Capital</u>						
19	Operation & Maintenance Expense				59,994	Worksheet 1, Line 20
20	Administrative & General Expense				143,639	Worksheet 1, Line 21
21	Transmission Support Expense				0	Worksheet 1, Line 24
22	Subtotal (line 19+20+21)				203,633	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				25,454	

(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 2012

		(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	723,069		723,069	65.2608%	471,881	Page 16, line 31(d)
2	137,235	9.6677% (a)	13,267	65.2608%	8,658	Page 17, line 29(d)
3	Total (line 1+2)		736,336		480,539	
<u>Amortization of Loss on Reacquired Debt</u>						
4	0	33.9400% (c)	0	65.2608%	0	None known
<u>Amortization of Investment Tax Credits</u>						
5	0	33.9400% (c)	0	65.2608%	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	Total (line 6+7)		1,100,000		932,467	
<u>Transmission Operation and Maintenance</u>						
9	2,030,728		2,030,728	0.652608	1,325,269	Page 40, line 50(b)
10	1,569,197		1,569,197	0.652608	1,024,071	Page 40, line 38(b)
11	193,969		193,969	0.652608	126,586	Page 40, line 34(b)
12	175,631		175,631	0.652608	114,618	Page 40, line 35(b) 40(b)
13	O&M less lines 10, 11 & 12		267,562	65.2608%	59,994	
<u>Transmission Administrative and General</u>						
14	1,978,468					Page 42, line 6(b)
15	less Property Insurance (#924)					Page 41, line 47(b)
16	less Regulatory Commission Expenses (#928)					Page 41, line 50(b)
17	less General Advertising Expense (#930.1)					assumed none
18	Subtotal [line 14 minus (15 thru 17)]	9.6677% (a)	178,310	65.2608%	116,367	
19	PLUS Property Insurance alloc. using Plant Allocation	33.9400% (c)	41,789	65.2608%	27,272	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	33.9400% (c)	0	65.2608%	0	
21	PLUS Trans. Related General Advertising Expense	33.9400% (c)	0	65.2608%	0	
22	Total A&G [line 18 plus (19 thru 21)]		220,099		143,639	
23	Payroll Tax Expense	9.6677% (a)	34,661	65.2608%	22,620	

(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 2012

<u>Line No.</u>			<u>Mass DTE AR Reference</u>
	<u>PTF Transmission Plant Allocation Factor</u>	Norwood	
1	PTF Transmission Investment	15,949,767	See Worksheet
2	Total Transmission Investment	24,440,033	Page 8A, line 31(g)
3	Percent Allocation (Line 1/Line 2)	65.2608%	
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	273,669	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)	273,669	
7	Total Wages and Salaries	3,250,524	Page 42, line 24 (c)
8	Administrative and General Wages and Salaries	419,769	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)	2,830,755	
11	Percent Allocation (Line 6/Line 10)	9.6677%	
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	24,440,033	Line 2
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	448,350	<i>Worksheet 3, Line 2</i>
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	24,888,383	
15	Total Plant in Service	73,330,613	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	33.9400%	

Affiliated Company Wages and Salaries

 Shading denotes an input

Calendar Year 2012

Line		Norwood
"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

NORWOOD

PTF Revenue Requirements

Sheet: Worksheet 7

Calendar Year 2012

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)		
	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:	<u>May 31, 2013</u>
Revenue Requirements for (year):	<u>Calendar Year 2012</u>
Customer:	<u>NSTAR Electric Company</u>
Customer's NABs Number:	<u># 3</u>
Name of Participant responsible for customer's billing:	<u>NSTAR Electric Company</u>
DUNs number of Participant responsible for customer's billing:	<u># 00-695-1552</u>

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I =	<u>55,171,047</u> (a)	<u>118,885,492</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>408,200</u> (b)	<u>-</u> (g)
Total of Attachment F - Section K - Support Expense	<u>1,477,230</u> (c)	<u>-</u> (h)
Total of Attachment F - Section L through O	<u>(104,621)</u> (d)	<u>(220,492)</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>\$ 56,135,456</u> (e)=(a)-(b)+(c)+(d)	<u>\$ 118,665,000</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements	- n/a	23,770,472 (m)
Annual True-up	3,211,852 (k)	(950,838) (n)
Interest Charge on Annual True-up	<u>107,029</u> (l)	<u>(31,686)</u> (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	59,454,337 (p)	141,452,948 (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>\$ 200,907,285</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)	\$ 398,330,325	\$ 839,603,158	Page 4, line 2
2	General Plant	II (A)(1)(b)	3,190,270	6,724,475	Page 4, line 3
3	Plant Held For Future Use	II (A)(1)(c)	-	2,092,634	Page 4, line 5
4	Total Plant		\$ 401,520,595	\$ 848,420,267	Sum Lines 1 thru 3
5	Accumulated Depreciation	II (A)(1)(d)	(104,517,758)	(220,303,302)	Page 4, line 9
6	Accumulated Deferred Income Taxes	II (A)(1)(e)	(68,621,610)	(144,641,138)	Page 4, line 14
7	Loss On Reacquired Debt	II (A)(1)(f)	1,055,378	2,224,533	Page 4, line 15
8	Other Regulatory Assets	II (A)(1)(g)	3,143,089	6,625,026	Page 4, line 20
9	Net Investment		\$ 232,579,694	\$ 492,325,386	Sum Lines 4 thru 8
10	Prepayments	II (A)(1)(h)	7,760	16,356	Page 4, line 21
11	Materials & Supplies	II (A)(1)(II)	973,556	2,052,069	Page 4, line 22
12	Cash Working Capital	II (A)(1)(j)	1,177,930	2,201,185	Page 4, line 29
13	Total Investment Base		\$ 234,738,940	\$ 496,594,996	Sum Lines 9 thru 12
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	II (A)	\$ 30,559,724	\$ 67,009,562	Page 3, Line 26
15	Depreciation Expense	II (B)	8,819,510	18,589,830	Page 5, Line 4
16	Amortization of Loss on Reacquired Debt	II (C)	154,977	326,661	Page 5, Line 5
17	Investment Tax Credit	II (D)	(90,748)	(191,279)	Page 5, Line 6
18	Property Taxes	II (E)	7,187,228	15,149,292	Page 5, Line 8
19	Payroll Tax Expense	II (F)	185,948	391,943	Page 5, Line 27
20	Operation & Maintenance Expense	II (G)	5,393,208	11,367,843	Page 5, Line 14
21	Administrative & General Expense	II (H)	2,961,200	6,241,640	Page 5, Line 26
22	Transmission Related Integrated Facilities Charge	II (II)	-	-	
23	Transmission Support Revenue	II (J)	(408,200)	-	Page 7, Line 8
24	Transmission Support Expense	II (K)	1,477,230	-	Page 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)	(104,621)	(220,492)	OATT Schedule 8 TOUT
28	Transmission Rents Received from Electric Property	II (O)	-	-	
29	Total Revenue Requirements		\$ 56,135,456	\$ 118,665,000	Sum Lines 14 thru 28
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT					
30	Carrying Charge Factor Base Revenue Requirement Numerator			\$ 118,885,492	Line 29 - Line 27
31	Less Post-2003 Enhanced Return Addition to Revenue Requirement			2,358,853	Page 3, Line 25
32	Total Post-96 PTF Revenue Requirement			\$ 116,526,639	Line 30 - Line 31
33	Post-96 PTF Transmission Plant in Service			\$ 839,603,158	Line 1
34	Post-96 Carrying Charge Factor (Post-96 CCF)			0.1388	Line 32 / Line 33
35	Forecasted Post-96 PTF Plant Additions			\$ 171,257,000	
36	Post-96 Estimated Incremental Revenue Requirement			\$ 23,770,472	Line 34 * Line 35

NSTAR Electric Company
FERC Interest Calculation associated with Under / (Over)
True-up and Interest Calculation 06/12-05/13

1	2012 Est. Transmission Revenue Requirements (as billed)	6/12-05/13	Appendix C	52,923,604	119,615,838	ATRR - Prior Year
2	2012 Actual Annual RR			56,135,456	118,665,000	ATRR - Current Year
3	True-up Over/(Under) (Line 1 - Line 2)			(3,211,852)	950,838	

	(Overcollection)/Undercollection
Pre'97	\$3,211,852
Post'96	(\$950,838)

Initial Billing Period	Pre-1997 Balance	Post-1996 Balance	FERC Monthly Interest Rate	Pre-1997 Interest Balance	Post-1996 Interest Balance
June 2012	\$ 3,211,852	\$ (950,838)	0.27%	\$ 8,672	\$ (2,567)
July 2012	\$ 3,220,524	\$ (953,405)	0.28%	\$ 9,017	\$ (2,670)
August 2012	\$ 3,220,524	\$ (953,405)	0.28%	\$ 9,017	\$ (2,670)
September 2012	\$ 3,220,524	\$ (953,405)	0.27%	\$ 8,695	\$ (2,574)
October 2012	\$ 3,247,253	\$ (961,319)	0.28%	\$ 9,092	\$ (2,692)
November 2012	\$ 3,247,253	\$ (961,319)	0.27%	\$ 8,768	\$ (2,596)
December 2012	\$ 3,247,253	\$ (961,319)	0.28%	\$ 9,092	\$ (2,692)
January 2013	\$ 3,274,205	\$ (969,299)	0.28%	\$ 9,168	\$ (2,714)
February 2013	\$ 3,274,205	\$ (969,299)	0.25%	\$ 8,186	\$ (2,423)
March 2013	\$ 3,274,205	\$ (969,299)	0.28%	\$ 9,168	\$ (2,714)
April 2013	\$ 3,300,727	\$ (977,150)	0.27%	\$ 8,912	\$ (2,638)
May 2013	\$ 3,300,727	\$ (977,150)	0.28%	\$ 9,242	\$ (2,736)
Total Surcharge/(Refund)				\$ 3,318,881	\$ (982,524)
			Interest	Principal	Total
Pre-1997			\$ 107,029	\$ 3,211,852	\$ 3,318,881
Post-1996			\$ (31,686)	\$ (950,838)	\$ (982,524)
Total			<u>\$ 75,343</u>	<u>\$ 2,261,014</u>	<u>\$ 2,336,357</u>

* 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 2013 PTF In-Service Forecast

(\$ X 1000)

ISO-NE RSP Project ID	Project Title	Estimated PTF In-Service
(a)	SEMA	\$100,000
N/A	Infrastructure Replacement	\$22,418
(b)	Boston Network Solution	\$19,436
N/A	UG Infrastructure	\$7,108
(c)	Reliability Upgrades	\$5,781
(d)	Breakers/Disc/CCVTs	\$4,993
N/A	BPS and Security	\$4,506
842	Trapelo Road	\$4,099
1345	Brook Street	\$1,912
N/A	Transformers and Relays	\$1,004
	Total NSTAR	\$ 171,257

Notes:

- (a) SEMA includes several project ID numbers: 1068, 592, 1349, 1350, 1351 and 1118.
- (b) Boston Network includes 1175 and 1338 along with several replacement projects.
- (c) Upgrades to D21, 336 and 322 lines. ID#:1191, 1202 and 1118
- (d) Includes Medway and Carver. ID#: 1342 and 1394

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Submitted on:	<u>May 31, 2013</u>
Revenue Requirements for (year):	<u>Calendar Year 2012</u>
Customer:	<u>NSTAR Electric Company</u>
Customer's NABs Number:	<u># 3</u>
Name of Participant responsible for customer's billing:	<u>NSTAR Electric Company</u>
DUNs number of Participant responsible for customer's billing:	<u># 00-695-1552</u>

	<u>Pre-97 Revenue Requirements</u>	<u>Post-96 Revenue Requirements</u>
Total of Attachment F - Sections A through I	= \$ <u>55,171,047</u> (a)	\$ <u>118,885,492</u> (f)
Total of Attachment F - Section J - Support Revenue	= \$ <u>408,200</u> (b)	\$ <u>-</u> (g)
Total of Attachment F - Section K - Support Expense	= \$ <u>1,477,230</u> (c)	\$ <u>-</u> (h)
Total of Attachment F - Sections L-O	= \$ <u>(104,621)</u> (d)	\$ <u>(220,492)</u> (i)
Sub Total - Sum (A through H) - J + K+ (L through O)	= \$ <u>56,135,456</u> (e)=(a)-(b)+(c)+(d)	\$ <u>118,665,000</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>174,800,456</u> (k) = (e) + (j)

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Line	Investment Base	Attachment F Reference	Pre-1997	Post-1996	Reference
		Section:			
	Col.A	Col.B	Col.C	Col.D	Col.E
1	Transmission Plant	II (A)(1)(a)	\$ 398,330,325	\$ 839,603,158	Page 4, line 2
2	General Plant	II (A)(1)(b)	3,190,270	6,724,475	Page 4, line 3
3	Plant Held For Future Use	II (A)(1)(c)	-	2,092,634	Page 4, line 5
4	Total Plant		401,520,595	848,420,267	Sum Lines 1 thru 3
5	Accumulated Depreciation	II (A)(1)(d)	(104,517,758)	(220,303,302)	Page 4, line 9
6	Accumulated Deferred Income Taxes	II (A)(1)(e)	(68,621,610)	(144,641,138)	Page 4, line 14
7	Loss On Reacquired Debt	II (A)(1)(f)	1,055,378	2,224,533	Page 4, line 15
8	Other Regulatory Asssets	II (A)(1)(g)	3,143,089	6,625,026	Page 4, line 20
9	Net Investment		232,579,694	492,325,386	Sum Lines 4 thru 8
10	Prepayments	II (A)(1)(h)	7,760	16,356	Page 4, line 21
11	Materials & Supplies	II (A)(1)(II)	973,556	2,052,069	Page 4, line 22
12	Cash Working Capital	II (A)(1)(j)	1,177,930	2,201,185	Page 4, line 29
13	Total Investment Base		<u>\$ 234,738,940</u>	<u>\$ 496,594,996</u>	Sum Lines 9 thru 12
<u>Revenue Requirement</u>					
14	Investment Return and Income Taxes	II (A)	30,559,724	\$ 67,009,562	Page 3, Line 26
15	Depreciation Expense	II (B)	8,819,510	18,589,830	Page 5, Line 4
16	Amortization of Loss on Reacquired Debt	II (C)	154,977	326,661	Page 5, Line 5
17	Investment Tax Credit	II (D)	(90,748)	(191,279)	Page 5, Line 6
18	Property Taxes	II (E)	7,187,228	15,149,292	Page 5, Line 8
19	Payroll tax Expense	II (F)	185,948	391,943	Page 5, Line 27
20	Operation & Maintenance Expense	II (G)	5,393,208	11,367,843	Page 5, Line 14
21	Administrative & General Expense	II (H)	2,961,200	6,241,640	Page 5, Line 26
22	Transmission Related Integrated Facilities Charge	II (I)	-	-	
23	Transmission Support Revenue	II (J)	(408,200)	-	Page 7, Line 8
24	Transmission Support Expense	II (K)	1,477,230	-	Page 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)	(104,621)	(220,492)	OATT Schedule 8 TOUT
28	Transmission Rents Received for Electric Property	II (O)	-	-	
29	Total Revenue Requirements		<u>\$ 56,135,456</u>	<u>\$ 118,665,000</u>	Sum Lines 14 thru 28
30	Total			<u>\$ 174,800,456</u>	Sum Line 29, Col C & Col D

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Line	Description	Capitalization 12/31/12	Cost of Capital	Weighted Cost of Capital	Weighted Equity Portion
	Col.A	Col.B	Col.C	Col.D	Col.E
1	Long-Term Debt	\$ 1,594,560,685	4.74%	1.97%	FF1 112.24(c)
2	Preferred Stock	43,000,000	4.56%	0.05%	0.05% FF1 112.3(c)
3	Common Equity	2,202,625,068	11.64%	6.68%	6.68% FF1 112.16(c) less Line 3(c)
4	Total Investment Return	\$ 3,840,185,753		8.70%	6.73% 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	6.73%	6.73%		Line 4, Col E
7	B= Transmission Related Amortization of ITC	\$ (90,748)	\$ (191,279)		Page 2, Line 17
8	C= Equity AFUDC Component of Depreciation Expense	-	-		Equity AFUDC Component of Tramsmission Dep Exp
9	D= Transmission Investment Base	\$ 234,738,940	\$ 496,594,996		Page 2, Line 13
10	FT = Federal Income Tax Rate	35.00%	35.00%		Federal Income Tax Rate
11	FIT = (A+[C+B]/D)/(1-FT)	3.60300%	3.60310%		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)	0.7156%	0.7157%		State IncomeTax
15	Allowed Return	13.0186%	13.019%		line 4, Col.D + Line 11 + Line 14
16	D= Transmission Investment Base	\$ 234,738,940	\$ 496,594,996		Page 2, Line 13
17	Return	\$ 30,559,724	\$ 64,650,709		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		\$ 251,503,731		Page 8, line 15
25	Additional 100 bp Return Post 2003 PTF Investment		\$ 2,358,853		Line 23 * Line 24
26	Total Return	\$ 30,559,724	\$ 67,009,562		Line 17 + Line 25
27	Incremental return for PTF 50 Basis Point Adder				
		Capitalization	Cost of	Weighted	Weighted
		12/31/12	Capital	Cost of	Equity
				Capital	Portion
28	Long-Term Debt	\$ 1,594,560,685	4.74%	1.97%	
29	Preferred Stock	43,000,000	4.56%	0.05%	
30	Common Equity	2,202,625,068	0.50%	0.29%	0.29%
31	Total Investment Return	\$ 3,840,185,753		2.31%	0.29%
32	Federal Income Tax (FIT)				
33	A= Incremental Return	0.29%	0.29%		Line 31, Col E
34	B= Transmission Related Amortization of ITC	\$ (90,748)	\$ (191,279)		Page 2, Line 17
35	C= Equity AFUDC Component of Depreciation Expense	-	-		Equity AFUDC Component of Tramsmission Dep Exp
36	D= Transmission Investment Base	\$ 234,738,940	\$ 496,594,996		Page 2, Line 13
37	FT = Federal Income Tax Rate	35.00%	35.00%		Federal Income Tax Rate
38	FIT = (A+[C+B]/D)/(1-FT)	0.13530%	0.13540%		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)	0.0269%	0.0269%		State IncomeTax
42	Allowed Return	0.4522%	0.4523%		line 33 + Line 38 + Line 41
43	D= Transmission Investment Base	\$ 234,738,940	\$ 496,594,996		Page 2, Line 13
44	Return 50 bp Adder	\$ 1,061,489	\$ 2,246,099		Line 42 * Line 43
45	Total Return 50 bp Adder		\$ 3,307,588		Line 44 Pre-97 + Line 44 Post 96
46	Total Incremental Return		\$ 5,666,441		Line 25 + Line 45

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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)	\$ 1,518,437,029		\$ 1,518,437,029		\$ 398,330,325		\$ 839,603,158	Page 6, Line 1
3	General Plant	\$ 186,400,569	6.5243% (a)	\$ 12,161,332	26.2329%	\$ 3,190,270	55.2939%	\$ 6,724,475	FF1 207.99(g)
4	Total Transmission Plant			\$ 1,530,598,361		\$ 401,520,595		\$ 846,327,633	Sum line 2 thru line 3
5	<u>Transmission Plant Held for Future Use</u>	\$ 2,092,634	100.0000%	\$ 2,092,634	0.0000%	\$ -	100.0000%	\$ 2,092,634	FF1 214.14(d) to .17(d)
6	<u>Transmission Accumulated Depreciation</u>								
7	Transmission Accum. Depreciation	\$ (394,782,759)		\$ (394,782,759)	26.2329%	\$ (103,562,966)	55.2939%	\$ (218,290,784)	FF1 219.25(b)
8	General Plant Accum.Depreciation	\$ (55,786,444)	6.5243% (a)	\$ (3,639,675)	26.2329%	\$ (954,792)	55.2939%	\$ (2,012,518)	FF1 219.28(b)
9	Total Transmission Acc Dep			\$ (398,422,434)		\$ (104,517,758)		\$ (220,303,302)	Sum line 7 thru line 8
10	<u>Transmission Accumulated Deferred Taxes</u>								
11	Accumulated Deferred Taxes (282) (d)	\$ (941,158,843)	25.4328% (c)	\$ (239,363,046)	26.2329%	\$ (62,791,868)	55.2939%	\$ (132,353,163)	Line 35
12	Accumulated Deferred Taxes (283)			\$ (28,495,566)	26.2329%	\$ (7,475,213)	55.2939%	\$ (15,756,310)	Page 9, Line 25, Col D
13	Accumulated Deferred Taxes (190)			\$ 6,272,546	26.2329%	\$ 1,645,471	55.2939%	\$ 3,468,335	Page 9, Line 10, Col D
14	Total			\$ (261,586,066)		\$ (68,621,610)		\$ (144,641,138)	Sum line 11 thru line 13
15	<u>Transmission loss on Reacquired Debt</u>	\$ 15,818,581	25.4328% (c)	\$ 4,023,108	26.2329%	\$ 1,055,378	55.2939%	\$ 2,224,533	FF1 111.81(c)
16	<u>Other Regulatory Assets</u>								
17	FAS 106	\$ -	6.5243% (a)	\$ -					FF1 232.1.25(f)
18	ASC 740 Regulatory Asset (FAS 109)	\$ 52,377,950	25.4328% (c)	\$ 13,321,179					FF1 232.1.14(f)
19	ASC 740 Regulatory Liability (FAS 109)	\$ (5,267,614)	25.4328% (c)	\$ (1,339,702)					FF1 278.2(f)
20	Total	\$ 47,110,336		\$ 11,981,477	26.2329%	\$ 3,143,089	55.2939%	\$ 6,625,026	Sum line 17 thru line 19
21	<u>Transmission Prepayments</u>	\$ 453,389	6.5243% (a)	\$ 29,580	26.2329%	\$ 7,760	55.2939%	\$ 16,356	FF1 111.57(c)
22	<u>Transmission Materials and Supplies</u>	\$ 3,711,204	100.0000%	\$ 3,711,204	26.2329%	\$ 973,556	55.2939%	\$ 2,052,069	FF1 227.8(c) + 227.5(c) Footnote
23	<u>Cash Working Capital</u>								
24	Operation & Maintenance Expense					\$ 5,393,208		\$ 11,367,843	Page 5, line 14
25	Administrative & General Expense					\$ 2,961,200		\$ 6,241,640	Page 5, line 26
26	Transmission Support Expense					\$ 1,069,030		\$ -	Page 7, line 9
27	Total					\$ 9,423,438		\$ 17,609,483	Sum line 24 thru line 26
28	45 day rule					0.1250		0.1250	= 45 / 360
29	Cash Working Capital					\$ 1,177,930		\$ 2,201,185	Line 27 * line 28
30	(a) Wages & Salaries Allocator Page 6, Line 13	6.5243%							
31	(b) PTF Allocator Page 6, Line 3				26.2329%		55.2939%		
32	(c) Plant Allocator Page 6, Line 18	25.4328%							
33	(d) Account 282	\$ 941,158,843	FF1 275.9(k)						
34	less amounts related to divestiture	\$ -	FF1 275.4(k)						
35	Total Account 282	\$ 941,158,843	Sum line 33 thru line 34						

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Shading denotes an input

Line	Description	Total	Wage/Plant Allocation Factors	Transmission Allocated	Pre-97 PTF		Post 96 PTF		Reference for Col. B FF1 = FERC Form 1
					Allocation Factor (b)	Pre-97 PTF Allocated	Allocation Factor (b)	Post 96 PTF Allocated	
	Col.A	Col.B	Col.C	Col.D (Col.B x Col.C)	Col.E	Col.F (Col.D x Col.E)	Col.G	Col.H (Col.D x Col.G)	Col.I
1	Depreciation Expense								
2	Transmission Depreciation	\$ 33,050,564		\$ 33,050,564	26.2329%	\$ 8,670,121	55.2939%	\$ 18,274,946	FF1 336.7(f)
3	General Depreciation	\$ 8,728,495	6.5243%	\$ 569,473	26.2329%	\$ 149,389	55.2939%	\$ 314,884	FF1 336.10(b)
4	Total	\$ 41,779,059		\$ 33,620,037		\$ 8,819,510		\$ 18,589,830	Sum line 2 thru line 3
5	Amortization of Loss on Reacquired Debt	\$ 2,322,880	25.4328%	\$ 590,773	26.2329%	\$ 154,977	55.2939%	\$ 326,661	FF1 117.64(c)
6	Amortization of Investment Tax Credits	\$ 1,360,176	25.4328%	\$ 345,931	26.2329%	\$ 90,748	55.2939%	\$ 191,279	FF1 114.19(c)
7	Property Taxes								
8	Transmission Property Taxes	\$ 107,726,099	25.4328%	\$ 27,397,763	26.2329%	\$ 7,187,228	55.2939%	\$ 15,149,292	FF1 263.5(i)
9	Transmission Operation and Maintenance								
10	Operation and Maintenance	\$ 316,321,804		\$ 316,321,804	26.2329%	\$ 82,980,383	55.2939%	\$ 174,906,662	FF1 321.112(b)
11	less: Transmission of Electricity by Others - #565	\$ 273,904,814		\$ 273,904,814	26.2329%	\$ 71,853,176	55.2939%	\$ 151,452,654	FF1 321.96(b)
12	less: Load Dispatching - #561 to #561.4	\$ 14,306,334		\$ 14,306,334	26.2329%	\$ 3,752,966	55.2939%	\$ 7,910,530	FF1 321.85(b)-321.88(b)
13	less: Rents - #567	\$ 7,551,710		\$ 7,551,710	26.2329%	\$ 1,981,033	55.2939%	\$ 4,175,635	FF1 321.98(b)
14	O&M for RNS Tariff	\$ 20,558,946		\$ 20,558,946		\$ 5,393,208		\$ 11,367,843	Line 10 - (Sum of line 11 thru 13)
15	Transmission Administrative and General								
16	Administrative and General	\$ 157,057,126							FF1 323.197(b)
17	less Office Supplies and Expenses (921) (d)	\$ 604,784							FF1 323.182(b) Footnote
18	less Outside Services Employed (923) (d)	\$ 238,210							FF1 323.184(b) Footnote
19	less Property Insurance (#924)	\$ 657,191							FF1 323.185(b)
20	less Regulatory Commission Expenses (#928)	\$ 8,900,666							FF1 323.189(b)
21	less General Advertising Expense (#930.1)	\$ 760,921							FF1 323.191(b)
22	Subtotal	\$ 145,895,354	6.5243%	\$ 9,518,651	26.2329%	\$ 2,497,018	55.2939%	\$ 5,263,233	Line 16 - (Sum of line 17 thru 21)
23	Plus Property Ins. alloc. Using Plant Allocator	\$ 657,191	25.4328%	\$ 167,142	26.2329%	\$ 43,846	55.2939%	\$ 92,419	Line 19
24	Plus Regulatory Comm. Exp (Transmission FERC Assessments)(e)	\$ 1,602,325	100.0000%	\$ 1,602,325	26.2329%	\$ 420,336	55.2939%	\$ 885,988	Line 34
25	Plus General Advertising Expense	\$ -	0.0000%	\$ -	26.2329%	\$ -	55.2939%	\$ -	
26	Total A&G for RNS Tariff	\$ 148,154,870		\$ 11,288,118		\$ 2,961,200		\$ 6,241,640	Sum line 22 thru line 25
27	Payroll Tax Expense	\$ 10,864,546	6.5243%	\$ 708,836	26.2329%	\$ 185,948	55.2939%	\$ 391,943	FF1 263.8(i)
28	(a) Wages & Ssalaries Allocator Page 6, Line 13	6.5243%							
29	(b) PTF Allocator Page 6, Line 3				26.2329%		55.2939%		
30	(c) Plant Allocator Page 6, Line 18	25.4328%							
31	(d) Merger related costs								
32	(e) FERC Assessment			\$ 1,598,935	FF1 350.8(d)				
33	Regulatory Commission Expense			\$ 3,390	FF1 350.11(d)				
34	Total			\$ 1,602,325	Sum of line 32 thru 33				

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Line	Description	Pre-1997	Post - 1996	Post - 2003	Reference
	Col.A	Col.B	Col.C	Col.D	Col. E
	<u>PTF Transmission Plant Allocation Factor</u>				
1	PTF Transmission Investment	\$ 398,330,325	\$ 839,603,158	\$ 328,309,849	(a)
2	Total Transmission Investment excluding SCADA	\$ 1,518,437,029	\$ 1,518,437,029	\$ 1,518,437,029	Page 8, Line 5, Col.G
3	Percent Allocation	26.2329%	55.2939%	21.6216%	Line 1 / Line 2
4	Total PTF Allocation (Pre 97 + Post 96)		81.5268%		Line 3, Col.B plus Col.C
	<u>Transmission Wages and Salaries Allocation Factor</u>				
5	Direct Transmission Wages and Salaries	\$ 10,457,854			FF1 354.21(b)
6	Less EMC Transmission Wages and Salaries	2,096,341			Acct 561 Labor
7	Affiliated Company Transmission Wages and Salaries	-			N/A
8	Total Transmission Wages and Salaries	\$ 8,361,513			Line 5 - line 6 + line 7
9	Total Wages and Salaries	\$ 161,620,193			FF1 354.28(b)
10	Less Administrative and General Wages and Salaries	33,461,390			FF1 354.27(b)
11	Affiliated Company Wages and Salaries less A&G	-			N/A
12	Total Wages and Salaries net of A&G	\$ 128,158,803			Line 9 - line 10 + line 11
13	Percent Allocation	6.5243%			Line 8 / Line 12
	<u>Plant Allocation Factor</u>				
14	Total Transmission Investment (exc SCADA)	\$ 1,518,437,029			Line 2
15	Plus Transmission Related General Plant	12,161,332			Page 4, Line 3, Col.D
16	Revised Numerator (Line 12 + Line 13)	\$ 1,530,598,361			Line 14 + Line 15
17	Total Plant in Service	\$ 6,018,215,173			FF1 207.104(g)
18	Percent Allocation	25.4328%			Line 16 / Line 17
(a)	Col (B) Pre-1997; Page 8, Line 1, Col (G). Col (C) Post-1996; Page 8, Line 2 + Line 3, Col (G). Col (D) Post-2003; Page 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
 Page 7

Line	PTF Supporting Facilities	Revenues	Expenses	Reference
	Col.A	Col.B	Col.C	
1	National Grid Support Revenues	\$ 4,603		FF1 300.22(b) Footnote
2	Hydro Quebec Phase 2 Support	\$ 403,597		FF1 300.22(b) Footnote
3	Transmission support revenue	\$ -		FF1 300.22(b) Footnote
4	New England Power Co		\$ 75,725	FF1 332.1(h)
5	New England Power Support		\$ 6,934	FF1 321.98(b) Footnote
6	Hydro Quebec Phase II NEP AC, Chester SVC		\$ 1,349,803	FF1 321.98(b) Footnote
7	Transmission Line Rents		\$ 44,768	FF1 321.98(b) Footnote
8	Total	\$ 408,200	\$ 1,477,230	Sum of lines 1 thru 7
9	Net		\$ 1,069,030	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
 Page 8

Transmission Investment

Line	Description	12/31/11	Additions	Retirements	Transfers	Adjustments	12/31/2012
	Col.A	Col.B	Col.C	Col.D	Col.E	Col.F	Col.G
1	Pre-97 PTF(excl. SCADA)	\$ 390,095,759	\$ -	\$ (1,735,314)	\$ 9,969,880	\$ -	\$ 398,330,325
2	Post-96 PTF(excl. SCADA)	\$ 318,465,535	\$ 58,248,288	\$ (4,325,134)	\$ 138,904,620	\$ -	\$ 511,293,309
3	Post-03 PTF (a)	\$ 468,517,535	\$ 34,924,848	\$ -	\$ (175,132,534)	\$ -	\$ 328,309,849
4	Non-PTF(excl. SCADA)	\$ 198,556,823	\$ 55,991,977	\$ (303,288)	\$ 26,258,034	\$ -	\$ 280,503,546
5	Sub -Total Sum of Lines 1 thru line 4	\$ 1,375,635,652	\$ 149,165,113	\$ (6,363,736)	\$ -	\$ -	\$ 1,518,437,029
6	SCADA (Billed under Schedule 1)						
7	Pre-97 PTF	\$ 9,327,068	\$ -	\$ -	\$ (5,972,965)	\$ -	\$ 3,354,103
8	Post-96 PTF	\$ -	\$ -	\$ -	\$ 7,916,648	\$ -	\$ 7,916,648
9	Non-PTF	\$ 1,943,683	\$ -	\$ -	\$ (1,943,683)	\$ -	\$ -
10	Sub -Total Sum of Lines 6 thru line 9	\$ 11,270,751	\$ -	\$ -	\$ -	\$ -	\$ 11,270,751
11	Total Transmission (lines 5 + 10)	<u>\$ 1,386,906,403</u>	<u>\$ 149,165,113</u>	<u>\$ (6,363,736)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,529,707,780</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	\$ 328,309,849	Line 3, Column G
13	Transmission Accum. Depreciation subject to 100 bp adder	\$ (48,086,571)	
14	Transmission Accumulated Deferred Taxes subject to 100 bp adder	\$ (28,719,547)	
15	Net Post-03 PTF in Plan subject to 100 bp adder	<u>\$ 251,503,731</u>	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.

NSTAR Electric Company
Annual Local Network Service Revenue Requirement
Service Year Ended December 31, 2012
Page 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	\$ 21,945,076	6.5243%	\$ 1,431,763	FF1 Page 234.2(c) Footnote
3	Provision for Rate Refund	\$ 14,580,659	25.4328%	3,708,270	FF1 Page 234.2(c) Footnote
4	Self Insurance Reserves	\$ 2,716,433	25.4328%	690,865	FF1 Page 234.2(c) Footnote
5	Allowance for Uncollectible Accounts	\$ 16,188,196	0.0000%	-	FF1 Page 234.2(c) Footnote
6	Securitization Costs	\$ 1,295,305	0.0000%	-	FF1 Page 234.2(c) Footnote
7	Energy Efficiency	\$ 5,490,931	0.0000%	-	FF1 Page 234.2(c) Footnote
8	Litigation Expense	\$ 1,598,419	0.0000%	-	FF1 Page 234.2(c) Footnote
9	Other Items	\$ 1,736,528	25.4328%	441,648	FF1 Page 234.2(c) Footnote
10	Total 190	\$ 65,551,547	9.5689%	\$ 6,272,546	Sum Lines 2 thru 9
11	Account 283				
12	AFUDC MDPU Method Regulatory Asset	\$ (1,658,447)	25.4328%	\$ (421,790)	FF1 Page 276.3(k) Footnote
13	Bond Redemption Call Premiums	\$ (5,862,590)	25.4328%	(1,491,021)	FF1 Page 276.3(k) Footnote
14	Pension Expense	\$ (116,643,321)	6.5243%	(7,610,160)	FF1 Page 276.3(k) Footnote
15	Property Tax Lien Date Accrual	\$ (23,129,421)	25.4328%	(5,882,459)	FF1 Page 276.3(k) Footnote
16	Retail Adjuster Clause Deferrals	\$ (103,981,629)	0.0000%	-	FF1 Page 276.3(k) Footnote
17	Deferral Net Metering Costs	\$ (2,618,260)	0.0000%	-	FF1 Page 276.3(k) Footnote
18	Medicare Part D Subsidy Regulatory Asset	\$ (22,851,999)	0.0000%	-	FF1 Page 276.3(k) Footnote
19	Storm Contingency Fund	\$ (21,879,697)	0.0000%	-	FF1 Page 276.3(k) Footnote
20	Pension Adjustment Mechanism	\$ (16,432,091)	0.0000%	-	FF1 Page 276.3(k) Footnote
21	ASC 740 Deferred Income Taxes (FAS 109)	\$ (47,110,336)	25.4328%	(11,981,478)	FF1 Page 276.3(k) Footnote
22	Goodwill	\$ (181,040,137)	0.0000%	-	FF1 Page 276.3(k) Footnote
23	Securitized Power Costs	\$ (5,904,816)	0.0000%	-	FF1 Page 276.3(k) Footnote
24	Other Items	\$ (4,359,165)	25.4328%	(1,108,658)	FF1 Page 276.3(k) Footnote
25	Total 283	\$ (553,471,909)	5.1485%	\$ (28,495,566)	Sum Lines 12 thru 24
26	Wages & Salary Allocator	6.5243%			Page 6, Line 13, Col (b)
27	Plant Allocator	25.4328%			Page 6, Line 18, Col (b)

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: 5/11/2013

Revenue Requirements for (year): 2012

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 =	3,701 (a)	287,652 (f)
Total of Attachment F - Section J - Support Revenue	0 (b)	0 (g)
Total of Attachment F - Section K - Support Expense	370,104 (c)	(h)
Total of Attachment F - Section L through O	0 (d)	0 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>373,805</u> (e)=(a)-(b)+(c)+(d)	<u>287,652</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements		0 (m)
Annual True-up	278,366	<u>9,681</u> (n)
Interest Charge on Annual True-up	9,133	318 (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	661,304 (p)	297,651 (q)
Annual Projected 2008 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>958,955</u></u> (r) = (p)+(q)

Reading Municipal Light Plant
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2012 and billed 06/12-05/13

RNS Rate

		Attachment F			
		Reference	Pre 1997	Post 1996	Reference
Line No.	I. INVESTMENT BASE	Section:			
1	Transmission Plant	I (A)(1)(a)	0	2,638,470	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	2,638,470	
5	Accumulated Depreciation	I (A)(1)(d)	0	674,225	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	1,964,245	
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)	11,812	1,162	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		13,224	1,965,407	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	945	157,233	Worksheet 2
15	Depreciation Expense	I (B)	0	63,963	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	47,483	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	929	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	0	8,363	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)	94,494	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)		95,439	277,971	
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			2,638,470	
34	Post-96 Carrying Charge Factor (Post-96 CCF)			10.2%	
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			0	

RNS Rate

Reading Municipal Light Plant
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2012

1 2011 Actual Annual RR			373,805	287,652	
2 2011 Est. Transmission Revenue Requirements (as billed)	6/12-05/13	Appendix C	95,439	277,971	ATRR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)			278,366	9,681	

Pre'97
Post'96

(Overcollection)/Undercollection	
	\$278,366
	\$9,681

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2012	\$278,366	\$9,681	0.27%	\$752	\$26
July 2012	279,118	9,707	0.27%	754	\$26
August 2012	279,118	9,707	0.27%	754	\$26
September 2012	279,118	9,707	0.27%	754	\$26
October 2012	281,378	9,786	0.27%	760	\$26
November 2012	281,378	9,786	0.27%	760	\$26
December 2012	281,378	9,786	0.27%	760	\$26
January 2013	283,658	9,865	0.27%	766	\$27
February 2013	283,658	9,865	0.27%	766	\$27
March 2013	283,658	9,865	0.27%	766	\$27
April 2013	285,955	9,945	0.27%	772	\$27
May 2013	285,955	9,945	0.27%	772	\$27
		Total Interest		\$9,133	\$318
		True-Up		\$278,366	\$9,681
		Total TU & Int		\$287,499	\$9,999

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: 14-May-11

Revenue Requirements for (year): Calendar Year 2011

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

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I =	<u>3,701</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>370,104</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>373,805</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: 373,805 (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: 373,805 (l)=(k)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2011

Shading denotes an input

		Attachment F		
		Reference	Reading	Reference
Line No.	I. INVESTMENT BASE	Section:		
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)	46,263	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		46,263	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	3,701	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)	370,104	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)		373,805	

Reading Municipal Light Department

Annual Revenue Requirements

Calendar Year 2011

Shading denotes an input

	CAPITALIZATION 12/31/2009	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 550,000	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	\$ 550,000	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{46,263} \right) / 0}{1} \right) \times \frac{0}{0}$$

= 0.0000000

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{46,263} \right) / 0}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

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

(PTF)

INVESTMENT BASE	\$ 46,263	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>3,701</u>	To Worksheet 1

Reading Municipal Light Department

Calendar Year 2011

PTF Revenue Requirements
Worksheet 3a of 7

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	\$ 22,510,246	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	1,978,626		1,978,626	0.0000%	0	Page 8A, line 31(g) less Page 16, line 31(g)
6	16,518,728	0.0000% (a)	0	0.0000%	0	Page 8B, line 29(g) less Page 17, line 29(g)
7			1,978,626		0	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	6.3663% (c)	0	0.0000%	0	None known
9	0	6.3663% (c)	0	0.0000%	0	None known
10			0		0	
11	0	6.3663% (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	6.3663% (c)	0	0.0000%	0	None known
14	0	6.3663% (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					370,104	Worksheet 1, Line 24
22					370,104	
23					0.125	x 45 / 360
24					46,263	

(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 2011

(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	187,720		187,720	0.0000%	0	Page 16, line 31(d)
2	767,252	0.0000% (a)	0	0.0000%	0	Page 17, line 29(d)
3			187,720		0	
4	0	6.3663% (c)	0	0.0000%	0	None known
5	0	6.3663% (c)	0	0.0000%	0	None known
<u>Property Taxes *</u>						
6	2,188,919	6.3663%	139,353	0.0000%	0	DTE, p. 21 line 24
7	2,179,275	0.0000% (a)	0	0.0000%	0	DTE, p. 21 line 24
8			139,353		0	
<u>Transmission Operation and Maintenance</u>						
9	8,652,725		8,652,725	0	0	Page 40, line 50(b)
10	8,650,000		8,650,000	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	5,400,731					Page 42, line 6(b)
15	385,535					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	181,688					assumed none
18	4,833,508	0.0000% (a)	0	0.0000%	0	
19	385,535	6.3663% (c)	24,544	0.0000%	0	
20	0	6.3663% (c)	0	0.0000%	0	
21	0	6.3663% (c)	0	0.0000%	0	
22	5,219,043		24,544		0	
23	81,121	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 2011

<u>Line No.</u>			<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>		<u>Reading</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)	0.0000%	
<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	7,367,656	Page 42, line 24 (c) Page 41, line 43(b) Worksheet 6 & 6a of 8
8	Administrative and General Wages and Salaries	728,926	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	6,638,730	
11	Percent Allocation (Line 6/Line 10)	0.0000%	
<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)	7,743,423	
15	Total Plant in Service	121,630,767	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	6.3663%	

Affiliated Company Wages and Salaries

Calendar Year 2011

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		
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

PTF Revenue Requirements

Sheet: Worksheet 7

Worksheet 7 of 7

Calendar Year 2011

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]		1,732
	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			58,175
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			12,619
	HQ 2 NEH-06			106,604
	HQ 2 NHH-08			83,894
	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]		30,277
NEP	345 kV Golden Hills-Mystic 349 line			
	345 kV NH/MA border-Tewksbury 394 line	332(g)		2,739
	115 kV Read - Washington V148 line			
NU	345 kV 363, 369 and 394 Seabrook lines			2,541
	Fairmont 115 kV Substation	330.1(n);[330 for HWP]		
	345 kV Millstone-Manchester 310 line	330.1(n)		14,360
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
	Seabrook			57,163
Total =			0	370,104

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:	<u>11-May-13</u>
Revenue Requirements for (year):	<u>Calendar Year 2012</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> </u> (a)	<u>287,652</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> </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>287,652</u> (j)

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

287,652 (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: 287,652 (l)=(k)+(b)+(g)-(h)

(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)

Calendar Year 2012

Shading denotes an input

		Attachment F		
		Reference	Reading	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	2,839,236	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)		2,839,236	
5	Accumulated Depreciation	(A)(1)(d)	789,240	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)		2,049,996	
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)	1,197	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		2,051,193	
	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	164,095	Worksheet 2
15	Depreciation Expense	(B)	63,713	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)	50,266	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)	8,579	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)		287,652	

Reading Municipal Light Department

Annual Revenue Requirements

Calendar Year 2012

Shading denotes an input

	<u>CAPITALIZATION</u> <u>12/31/2009</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	\$ 550,000	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	\$ 550,000	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{2,051,193} \right) / 0}{1} \right) \times \frac{0}{0}$$

= 0.0000000

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{2,051,193} \right) / 0}{1} \right) + \frac{0.0000000}{0} \times 0$$

= 0.0000000

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

	<u>(PTF)</u>	
INVESTMENT BASE	\$ 2,051,193	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	<u>164,095</u>	To Worksheet 1

Reading Municipal Light Department

Calendar Year 2012

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	\$ 2,839,236		2,839,236		2,839,236	Line 1, Worksheet 5
2	\$ 22,614,401	0.0000% (a)	0	36.6664%	0	Page 8B line 29(g)
3			2,839,236		2,839,236	
4	0		0	36.6664%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	2,152,488		2,152,488	36.6664%	789,240	Page 8A, line 31(g) less Page 16, line 31(g)
6	17,341,413	0.0000% (a)	0	36.6664%	0	Page 8B, line 29(g) less Page 17, line 29(g)
7			2,152,488		789,240	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	6.1319% (c)	0	36.6664%	0	None known
9	0	6.1319% (c)	0	36.6664%	0	None known
10			0		0	
11	0	6.1319% (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	6.1319% (c)	0	36.6664%	0	None known
14	0	6.1319% (c)	0	36.6664%	0	
15	0		0		0	
16	0	0.0000% (a)	0	36.6664%	0	Assumed none
17	0	0.0000%	0	36.6664%	0	Assumed none
<u>Cash Working Capital</u>						
19					999	Worksheet 1, Line 20
20					8,579	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					9,578	
23					0.125	x 45 / 360
24					1,197	

(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 2012

(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	173,763		173,763	36.6664%	63,713	Page 16, line 31(d)
2	967,813	0.0000% (a)	0	36.6664%	0	Page 17, line 29(d)
3			173,763		63,713	
4	0	6.1319% (c)	0	36.6664%	0	None known
5	0	6.1319% (c)	0	36.6664%	0	None known
<u>Property Taxes *</u>						
6	2,235,692	6.1319%	137,090	36.6664%	50,266	DTE, p. 21 line 24
7	2,235,692	0.0000% (a)	0	36.6664%	0	DTE, p. 21 line 24
8			137,090		50,266	
<u>Transmission Operation and Maintenance</u>						
9	9,041,555		9,041,555	0.366664	3,315,213	Page 40, line 50(b)
10	9,038,830		9,038,830	0.366664	3,314,214	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	5,269,515					Page 42, line 6(b)
15	381,575					Page 41, line 47(b)
16	0					Page 41, line 50(b)
17	155,244					assumed none
18	4,732,696	0.0000% (a)	0	36.6664%	0	
19	381,575	6.1319% (c)	23,398	36.6664%	8,579	
20	0	6.1319% (c)	0	36.6664%	0	
21	0	6.1319% (c)	0	36.6664%	0	
22	5,114,271		23,398		8,579	
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>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>		<u>Reading</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)	36.6664%	
<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	7,330,278	Page 42, line 24 (c) Page 41, line 43(b) Worksheet 6 & 6a of 8
8	Administrative and General Wages and Salaries	745,149	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	6,585,129	
11	Percent Allocation (Line 6/Line 10)	0.0000%	
<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)	7,743,423	
15	Total Plant in Service	126,280,123	Page 8B, line 30 (g)
16	Percent Allocation (Line 14 / Line 15)	6.1319%	

Sheet: Worksheet 6

Affiliated Company Wages and Salaries

Calendar Year 2012

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		
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		

READING

PTF Revenue Requirements

Sheet: Worksheet 7

Worksheet 7 of 8

Calendar Year 2012

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			0
Total =			0	0

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: 5/14/2013

Revenue Requirements for (year): 2012

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

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I =	<u>73,790</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>198,730</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>272,520</u> (e)=(a)-(b)+(c)+(d)	<u>0</u> (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements		<u>0</u> (m)
Annual True-up	<u>(39,849)</u>	<u>0</u> (n)
Interest Charge on Annual True-up	<u>(1,307)</u>	<u>-</u> (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	<u>231,364</u> (p)	<u>0</u> (q)
Annual Projected 2008 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>231,364</u></u> (r) = (p)+(q)

Taunton Municipal Light Plant
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2012 and billed 06/12-05/13

RNS Rate

		Attachment F			
		Reference	Pre 1997	Post 1996	Reference
Line No.	I. INVESTMENT BASE	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)	84,976	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)		1,585,219	0	
5	Accumulated Depreciation	I (A)(1)(d)	1,425,907	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)		159,312	0	
10	Prepayments	I (A)(1)(h)	1064	0	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	16,046	0	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	27,981	0	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		185,680	0	
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	I (A)	16,352	0	Worksheet 2
15	Depreciation Expense	I (B)	31,792	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)	31,929	0	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	8449	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	2,252	0	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	19,103	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)	202,492	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)		312,369	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

Taunton Municipal Light Plant
FERC Interest Calculation associated with Under / (Over)
True Up and Interest Calculation for 2012

1 2011 Actual Annual RR			272,520	0	Input Panel Subtotals
2 2011 Est. Transmission Revenue Requirements (as billed)	6/12-05/13	Appendix C	312,369	0	ATRR - Prior Year
3 True-up (Over)/Under (Line 1 - Line 2)			-39,849	0	

Pre'97
Post'96

(Overcollection)/Undercollection (\$39,849) \$0

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest
June 2012	(\$39,849)	\$0	0.27%	(\$108)	\$0
July 2012	(39,957)	0	0.27%	-108	\$0
August 2012	(39,957)	0	0.27%	-108	\$0
September 2012	(39,957)	0	0.27%	-108	\$0
October 2012	(40,280)	0	0.27%	-109	\$0
November 2012	(40,280)	0	0.27%	-109	\$0
December 2012	(40,280)	0	0.27%	-109	\$0
January 2013	(40,607)	0	0.27%	-110	\$0
February 2013	(40,607)	0	0.27%	-110	\$0
March 2013	(40,607)	0	0.27%	-110	\$0
April 2013	(40,935)	0	0.27%	-111	\$0
May 2013	(40,935)	0	0.27%	-111	\$0
		Total Interest		-\$1,307	\$0
		True-Up		-\$39,849	\$0
		Total TU & Int		-\$41,156	\$0

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: 14-May-13

Revenue Requirements for (year): Calendar Year 2012

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

	Pre-97 Revenue Requirements	Post-97 Revenue Requirements
Total of Attachment F - Sections A through I =	73,790 (a)	0 (f)
Total of Attachment F - Section J - Support Revenue	0 (b)	0 (g)
Total of Attachment F - Section K - Support Expense	198,730 (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)	272,520 (e)=(a)-(b)+(c)+(d)	0 (j)
Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff:		
		272,520 (k) = (e) + (j)
Total of Attachment F - Section J - Pre-97 Support Revenue (from above)	n/a	0 (b)
Total of Attachment F - Section J - Post-96 Support Revenue (from above-)	(k)	0 (g)
Total of Attachment F - Section K - Post-96 Support Expense (from above)	(l)	0 (h)
	(p)	
Voting Share Total for Participant's R Value:		272,520 (l)=(k)+(b)+(g)-(h)
(for Voting Share and expense allocation calculations under the Restated NEPOOL Agreement)		

Calendar Year 2012

Shading denotes an input

		Attachment F		
		Reference	Taunton	Reference
Line No.	I. INVESTMENT BASE	Section:		
1	Transmission Plant	(A)(1)(a)	1,500,243	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	34,954	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)		1,535,197	
5	Accumulated Depreciation	(A)(1)(d)	1,392,580	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)		142,617	
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)	25,335	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		167,952	
II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	13,436	Worksheet 2
15	Depreciation Expense	(B)	28,285	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)	25,005	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	3,111	Worksheet 4, line 17 column 5
20	Operation & Maintenance Expense	(G)	0	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	3,953	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)	198,730	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)		272,520	
			73,790	

Taunton Municipal Lighting Plant
Annual Revenue Requirements
Calendar Year 2012

Shading denotes an input

	CAPITALIZATION 12/31/2007	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 0	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	\$ 0	100.00%		8.00%	0.00%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0800

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{167,952} \right)}{1} \right) \times \frac{0}{0}$$

= 0.0000000

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

=
$$\left(\frac{0.0000 + \left(\frac{0 + 0}{167,952} \right)}{1} \right) + \frac{0.0000000}{0}$$

= 0.0000000

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

	(PTF)	
INVESTMENT BASE	\$ 167,952	From Worksheet 1
x Cost of Capital Rate	0.0800000	
= Investment Return and Income Taxes	13,436	To Worksheet 1

Taunton Municipal Lighting Plant

Calendar Year 2012

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	32,778,934	0.5355% (a)	175,531	19.9135%	34,954	Page 8B line 29(g)
3	Total (line 1+2)		7,709,344		1,535,197	
4	Transmission Plant Held for Future Use		0	19.9135%	0	None known
<u>Transmission Accumulated Depreciation</u>						
5	Transmission Accum. Depreciation		6,914,822	19.9135%	1,376,983	Page 8A, line 31(g) less Page 16, line 31(g)
6	General Plant Accum. Depreciation	0.5355% (a)	78,323	19.9135%	15,597	Page 8B, line 29(g) less Page 17, line 29(g)
7	Total (line 5+6)		6,993,145		1,392,580	
<u>Transmission Accumulated Deferred Taxes</u>						
8	Accumulated Deferred Taxes (281-283)	3.7944% (c)	0	19.9135%	0	None known
9	Accumulated Deferred Taxes (190)	3.7944% (c)	0	19.9135%	0	None known
10	Total (line 8+9)		0		0	
11	Transmission loss on Reacquired Debt	3.7944% (c)	0	19.9135%	0	None known
<u>Other Regulatory Assets</u>						
12	FAS 106	0.5355% (a)	0	19.9135%	0	None known
13	FAS 109	3.7944% (c)	0	19.9135%	0	None known
14	Other Regulatory Liabilities (254.DK)	3.7944% (c)	0	19.9135%	0	
15	Total (line 12+13+14)		0		0	
16	Transmission Prepayments	0.5355% (a)	0	19.9135%	0	
17	Transmission Materials and Supplies	3.7944%	0	19.9135%	0	
<u>Cash Working Capital</u>						
19	Operation & Maintenance Expense				0	Worksheet 1, Line 20
20	Administrative & General Expense				3,953	Worksheet 1, Line 21
21	Transmission Support Expense				198,730	Worksheet 1, Line 24
22	Subtotal (line 19+20+21)				202,683	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				25,335	

(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 2012

		(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	Transmission Depreciation	131,834		131,834	19.9135%	26,253	Page 16, line 31(d)
2	General Depreciation	1,905,426	0.5355% (a)	10,204	19.9135%	2,032	Page 17, line 29(d)
3	Total (line 1+2)			142,038		28,285	
4	<u>Amortization of Loss on Reacquired Debt</u>	0	3.7944% (c)	0	19.9135%	0	None known
5	<u>Amortization of Investment Tax Credits</u>	0	3.7944% (c)	0	19.9135%	0	None known
<u>Property Taxes *</u>							
6	Transmission Property Taxes	2,900,000	0.037944	110,038	19.9135%	21,912	
7	General Property Taxes	2,900,000	0.5355% (a)	15,530	19.9135%	3,093	
8	Total (line 6+7)			125,568		25,005	
<u>Transmission Operation and Maintenance</u>							
9	Operation and Maintenance	8,314,608		8,314,608	0.199135	1,655,729	Page 40, line 49(b)
10	Transmission of Electricity by Others - #565	8,039,080		8,039,080	0.199135	1,600,862	Page 40, line 38(b)
11	Load Dispatching - #561	100,276		100,276	0.199135	19,968	Page 40, line 34(b)
12	**Station Expenses & Rents - #562 / #567	175,252		175,252	0.199135	34,899	Page 40, line 35(b) 40(b)
13	O&M less lines 10, 11 & 12	0		0	19.9135%	0	
<u>Transmission Administrative and General</u>							
14	Administrative and General	581,123					Page 42, line 5(b)
15	less Property Insurance (#924)	523,116					Page 41, line 47(b)
16	less Regulatory Commission Expenses (#928)	0					Page 41, line 50(b)
17	less General Advertising Expense (#930.1)	58,007					930.1
18	Subtotal [line 14 minus (15 thru 17)]	0	0.5355% (a)	0	19.9135%	0	
19	PLUS Property Insurance alloc. using Plant Allocation	523,116	3.7944% (c)	19,849	19.9135%	3,953	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	0	3.7944% (c)	0	19.9135%	0	assumed none
21	PLUS Trans. Related General Advertising Expense	0	3.7944% (c)	0	19.9135%	0	
22	Total A&G [line 18 plus (19 thru 21)]	523,116		19,849		3,953	
23	<u>Payroll Tax Expense</u>	2,917,239	0.5355% (a)	15,622	19.9135%	3,111	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



Calendar Year 2012

Shading denotes an input

<u>Line No.</u>			<u>Mass DTE AR Reference</u>
<u>PTF Transmission Plant Allocation Factor</u>		<u>Taunton</u>	
1	PTF Transmission Investment	1,500,243	See Worksheet Page 8A, line 31(g)
2	Total Transmission Investment	7,533,813	
3	Percent Allocation (Line 1/Line 2)	19.9135%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	74,878	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)	74,878	
7	Total Wages and Salaries	15,982,448	Page 42, line 24© Page 41, line 43(b) Worksheet 6 & 6a of 8
8	Administrative and General Wages and Salaries	2,000,550	
9	Affiliated Company Wages and Salaries less A&G	0	
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	13,981,898	
11	Percent Allocation (Line 6/Line 10)	0.5355%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	7,533,813	Line 2 Worksheet 3, Line 2
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	175,531	
14	= Revised Numerator (Line 12 + Line 13)	7,709,344	
15	Total Plant in Service	203,178,734	Page 8B, line 29(g)
16	Percent Allocation (Line 14 / Line 15)	3.7944%	

Affiliated Company Wages and Salaries

Shading denotes an input

Calendar Year 2012

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 2012

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]		1,322
	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			9,634
	Comerford 115 kV Substation			
	NEH HQ - II			69,704
	NHH-HQ-II			85,662
	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]		23,114
	345 kV Golden Hills-Mystic 349 line			
	SeabrookTewksbury			
	115 kV Read - Washington V148 line			
NU	345 kV 363, 369 and 394 Seabrook lines			401
	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			8,893
Total =			0	198,730

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: 5/20/2013

1/1/2012

Revenue Requirements for (year): 2012

Rate Period 6/1/2013 - 5/31/2014

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

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements
Total of Attachment F - Sections A through I =	21,688,272 (a)	91,740,783 (f)
Total of Attachment F - Section J - Support Revenue	0 (b)	0 (g)
Total of Attachment F - Section K - Support Expense	754,433 (c)	0 (h)
Total of Attachment F - Section L through O	(92,221) (d)	0 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	22,350,484 (e)=(a)-(b)+(c)+(d)	91,740,783 (j)=(f)-(g)+(h)+(i)
Forecasted Incremental Transmission Revenue Requirements	0 n/a	12,355,802 (m)
Annual True-up	630,210 (k)	3,375,051 (n)
Interest Charge on Annual True-up	21,001 (l)	112,468 (o)
Total = (e) + (j) + (k) + (l) + (m) + (n) + (o)	23,001,695 (p)	107,584,104 (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:		130,585,799 (r) = (p)+(q)

The United Illuminating Company
Annual Revenue Requirements of pre-1997/post-1996 PTF
for costs in 2012

RNS Rate

Sheet: Worksheet 1

Worksheet 1 of 8

Shading denotes an input

		Attachment F				
		Reference	Pre-1997	Post-1996	Total	Reference
Line No.	I. INVESTMENT BASE	Section:				
1	Transmission Plant	I (A)(1)(a)	108,198,610	445,284,403	553,483,014	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	5,368,232	22,092,614	27,460,846	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	I (A)(1)(c)	2,123,849	8,740,562	10,864,411	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		115,690,691	476,117,579	591,808,270	
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 Recacquired 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 Recacquired 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	89,207,070	Sum of Lines 14 through 21
31	Post-96 PTF Transmission Plant in Service			445,284,403	445,284,403	Line 1
32	Post-96 Carrying Charge Factor (Post-96 CCF)			0.200337289	0.200337289	Line 32 / Line 33
33	Forecasted Post-96 Pool-Supported PTF Plant Additions			61,675,000	61,675,000	Line 35 - Line 36
34	Post-96 Estimated Incremental Revenue Requirement			12,355,802	12,355,802	Line 34 * Line 37

The United Illuminating Company
Annual Revenue Requirements of post-2003 PTF Incremental Return
for costs in 2012

RNS Rate

Worksheet 1a of 8

		(1) Total Transmission	(2) Post-2003 ¹ PTF	(3) Post-2003 ² PTF	Total Transmission Reference
Line No.	I. INVESTMENT BASE				
1	Transmission Plant	621,407,431	309,581,682	194,235,326	Internal Plant Accounting
2	Accumulated Depreciation	101,900,738	38,503,526	24,157,582	Internal Plant Accounting
3	Accumulated Deferred Income Taxes	147,930,435	51,691,080	32,431,615	Internal Plant Accounting
4	Other Regulatory Assets	40,455,906	0	0	Included on Line 3, above
5	Net Investment (Line 1-2-3+4)	412,032,163	219,387,076	137,646,129	
	II. ENHANCED RETURN ON POST-2003 TRANSMISSION PLANT				
6	Enhanced Return Addition to Revenue Requirement		1,928,676	605,037	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 2012

RNS Rate
Worksheet 2 of 8

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 757,752,937	48.26%	5.41%	2.61%	
PREFERRED STOCK		0.00%		0.00%	0.00%
COMMON EQUITY	812,518,921	51.74%	11.64%	6.02%	6.02%
TOTAL INVESTMENT RETURN	\$ 1,570,271,858	100.00%		8.63%	6.02%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 8.63%

(b) Federal Income Tax =
$$\frac{\left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit}}{1} + \frac{\text{Eq. AFUDC of Deprec. Exp.}}{80,085,718} \right) / \text{PTF Inv. Base} \right)}{1} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{0.0602}{1} + \left(\frac{(8,916) + 92,333}{80,085,718} \right) \right) \times 0.35}$$

= 0.0329762

(c) State Income Tax =
$$\frac{\left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit}}{1} + \frac{\text{Eq. AFUDC of Deprec. Exp.}}{80,085,718} \right) / \text{PTF Inv. Base} \right)}{1} \right) \times \text{Federal Income Tax}}{\left(\frac{0.0602}{1} + \left(\frac{(8,916) + 92,333}{80,085,718} \right) \right) \times 0.09} \times \text{State Income Tax Rate}$$

= 0.0093182

(a)+(b)+(c) **Cost of Capital Rate** = 0.1285944

	(pre-1997 PTF)	
INVESTMENT BASE	\$ 80,085,718	From Worksheet 1
x Cost of Capital Rate	0.1285944	
= Investment Return and Income Taxes	\$ 10,298,575	To Worksheet 1

The United Illuminating Company
Annual Revenue Requirements of post-1996 PTF
for costs in 2012

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 757,752,937	48.26%	5.41%	2.61%	
PREFERRED STOCK		0.00%		0.00%	0.00%
COMMON EQUITY	812,518,921	51.74%	11.64%	6.02%	6.02%
TOTAL INVESTMENT RETURN	\$ 1,570,271,858	100.00%		8.63%	6.02%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 8.63%

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

=
$$\left(\frac{0.0602 + \left(\frac{(36,695) + 379,992}{329,199,504} \right)}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0329769

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

=
$$\left(\frac{0.0602 + \left(\frac{(36,695) + 379,992}{329,199,504} \right)}{1} \right) + \frac{0.0329769}{0.09} \times 0.09$$

= 0.0093184

(a)+(b)+(c) **Cost of Capital Rate** = 0.1285953

(post-1996 PTF)

INVESTMENT BASE	\$ 329,199,504	From Worksheet 1
x Cost of Capital Rate	0.1285953	
= Investment Return and Income Taxes	<u>\$ 42,333,509</u>	To Worksheet 1

The United Illuminating Company
Annual Revenue Requirements of post-2003 PTF Incremental Return
for costs in 2012
Incremental Portion of ROE at 1% Adder

	<u>CAPITALIZATION</u> <u>12/31/2012</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	\$ 757,752,937	48.26%	#N/A		
PREFERRED STOCK					
COMMON EQUITY	<u>812,518,921</u>	<u>51.74%</u>	<u>1.00%</u>	<u>0.52%</u>	<u>0.52%</u>
TOTAL INVESTMENT RETURN	\$ <u>1,570,271,858</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 =
$$\left(\frac{\text{R.O.E.} + \left(\left(\frac{\text{PTF Inv. Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$$

=
$$\left(\frac{0.0052 + \left(\left(\frac{0 + 0}{219,387,076} \right) \right)}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0028000

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

=
$$\left(\frac{0.0052 + \left(\left(\frac{0 + 0}{219,387,076} \right) \right)}{1} \right) + \frac{0.0028000}{0.09} \times 0.09$$

= 0.0007912

(a)+(b)+(c) **Cost of Capital Rate** = 0.0087912

(post-2003 PTF)

INVESTMENT BASE	\$ 219,387,076	From Worksheet 1a
x Cost of Capital Rate	0.0087912	
= Investment Return and Income Taxes	<u>\$ 1,928,676</u>	To Worksheet 1a

The United Illuminating Company
Annual Revenue Requirements of post-2003 PTF Incremental Return
for costs in 2012
Incremental Portion of ROE at 50 bp Adder

	<u>CAPITALIZATION</u> <u>12/31/2012</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	\$ 757,752,937	48.26%	#N/A		
PREFERRED STOCK					
COMMON EQUITY	<u>812,518,921</u>	<u>51.74%</u>	<u>0.50%</u>	<u>0.26%</u>	<u>0.26%</u>
TOTAL INVESTMENT RETURN	\$ <u>1,570,271,858</u>	<u>100.00%</u>		<u>0.26%</u>	<u>0.26%</u>

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0026

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

=
$$\left(\frac{0.0026 + \left(\left(\frac{0 + 0}{137,646,129} \right) \right)}{1} \right) \times \frac{0.35}{0.35}$$

= 0.0014000

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

=
$$\left(\frac{0.0026 + \left(\left(\frac{0 + 0}{137,646,129} \right) \right)}{1} \right) + \frac{0.0014000}{0.09} \times 0.09$$

= 0.0003956

(a)+(b)+(c) **Cost of Capital Rate** = 0.0043956

(post-2003 PTF)

INVESTMENT BASE	\$ 137,646,129	From Worksheet 1a
x Cost of Capital Rate	0.0043956	
= Investment Return and Income Taxes	<u>\$ 605,037</u>	To Worksheet 1a

The United Illuminating Company - 2012
Pre-1997/Post-1996 PTF

Shading denotes an input

	Shading denotes an input					Pre-97		Post-96	
Line No.		(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4a) PTF Allocation Factor (b)	(5a) = (3)*(4a) PTF Allocated	(4b) PTF Allocation Factor (b)	(5b) = (3)*(4b) PTF Allocated	FERC Form 1 Reference for col (1)
1	Transmission Plant	621,407,431		621,407,431		108,198,610	(c)	445,284,403	Internal Company Records
2	General Plant	256,490,462	12.0203% (a)	30,830,890	17.4119%	5,368,232	71.6574%	22,092,614	Page 207.99g
3	Total (line 1+2)			652,238,321		113,566,842		467,377,017	
4	Transmission Plant Held for Future Use	12,197,710		12,197,710	17.4119%	2,123,849	71.6574%	8,740,562	Page 214.47d
	Transmission Accumulated Depreciation								
5	Transmission Accum. Depreciation	89,125,019		89,125,019	17.4119%	15,518,326	71.6574%	63,864,671	Page 219.25b
5A	Transmission Cost of Removal	12,775,719		12,775,719	17.4119%	2,224,491	71.6574%	9,154,748	Included in Page 269
6	General Plant Accum. Depreciation	42,846,903	12.0203% (a)	5,150,321	17.4119%	896,767	71.6574%	3,690,586	Page 219.28b
7	Total (line 5+6)			107,051,058		18,639,584		76,710,005	
	Transmission Accumulated Deferred Taxes								
8	Accumulated Deferred Taxes (281-283)	(567,967,210)	34.9555%	(198,535,988)	17.4119%	(34,568,814)	71.6574%	(142,265,726)	Internal Company Records
9	Accumulated Deferred Taxes (190)	144,771,207	34.9555%	50,605,553	17.4119%	8,811,370	71.6574%	36,262,623	Internal Company Records
10	Total (line 8+9)			(147,930,435)		(25,757,444)		(106,003,103)	
11	Transmission loss on Reacquired Debt	12,103,491	34.9555%	4,230,840	17.4119%	736,668	71.6574%	3,031,710	Page 111.81c
	Other Regulatory Assets/Liabilities								
12	FAS 106	0	12.0203% (a)	0	17.4119%	0	71.6574%	0	Page 232
13	FAS 109 Asset	133,221,460	34.9555%	46,568,277	17.4119%	8,108,405	71.6574%	33,369,616	Internal Company Records
14	FAS 109 Liability	(17,486,131)	34.9555% (d)	(6,112,371)	17.4119%	(1,064,278)	71.6574%	(4,379,966)	Internal Company Records
15	Total (line 12+13+14)	115,735,329		40,455,906		7,044,127		28,989,650	
16	Transmission Prepayments	2,599,079	12.0203% (a)	312,417	17.4119%	54,398	71.6574%	223,870	Page 111.57c
17	Transmission Materials and Supplies	128,362		128,362	17.4119%	22,350	71.6574%	91,981	Page 227.8c
	Cash Working Capital								
18	Operation & Maintenance Expense					5,581,009		22,968,283	Worksheet 1, Line 20
19	Administrative & General Expense					1,140,655		4,694,292	Worksheet 1, Line 21
20	Transmission Support Expense					754,433		0	Worksheet 1, Line 24
21	Subtotal (line 19+20+21)					7,476,097		27,662,575	
22						0.125		0.125	x 45 / 360
23	Total (line 22 * line 23)					934,512		3,457,822	

- (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 - 2012
Pre-1997/Post-1996 PTF

BOLD		Shading denotes an input denotes checked to FF1				Pre-97		Post-96	
Line No.		(1) Total	(2) Wage/Plant Allocation Factors	(3) = (1)*(2) Transmission Allocated	(4a) PTF Allocation Factor (b)	(5a) = (3)*(4a) PTF Allocated	(4b) PTF Allocation Factor (b)	(5b) = (3)*(4b) PTF Allocated	FERC Form 1 Reference for col (1)
	<u>Depreciation Expense</u>								
1	Transmission Depreciation	13,484,203		13,484,203	17.4119%	2,347,851	71.6574%	9,662,429	Page 336.7f
2	General Depreciation	9,905,077	12.0203% (a)		17.4119%	207,309	71.6574%	853,166	Page 336.10f
3	Total (line 1+2)			14,674,822		2,555,160		10,515,595	
##									
4	<u>Amortization of Loss on Reacquired Debt</u>	819,930	34.9555% (c)	286,611	17.4119%	49,904	71.6574%	205,378	Page 117.64c
5	<u>Amortization of Investment Tax Credits</u>	146,496	34.9555% (c)	51,208	17.4119%	8,916	71.6574%	36,695	Page 266.8f
	<u>Property Taxes</u>								
6	Transmission Property Taxes	11,475,335		11,475,335	17.4119%	1,998,070	71.6574%	8,222,927	Page 262.28a
7	General Property Taxes (included above)					0		0	Page 263.13i
8	Total (line 6+7)			11,475,335		1,998,070		8,222,927	
	<u>Transmission Operation and Maintenance</u>								
9	Operation and Maintenance	113,072,295							Page 321.112b
10	Transmission of Electricity by Others - #565	79,468,449							Page 321.96b
11	Load Dispatching - #561	1,550,935							Page 321.85-92b
12	**Station Expenses & Rents - #562 / #567								Page 321.93b + 321.98b
13	O&M less lines 10, 11 & 12	32,052,911		32,052,911	17.4119%	5,581,009	71.6574%	22,968,283	
	<u>Transmission Administrative and General</u>								
14	Administrative and General	46,854,038							Page 323.197b
15	less Property Insurance (#924)	307,052							Page 323.185b
16	less Regulatory Expenses (#928)	2,563,059							Page 323.189b
17	less General Advertising Expense (#930.1)	0							Page 323.191b
18	Subtotal [Line 14 minus (15 thru 17)]	43,983,927	12.0203% (a)	5,286,994	17.4119%	920,564	71.6574%	3,788,523	
19	Plus Property Insurance (#924)	307,052	34.9555% (c)	107,332	17.4119%	18,688	71.6574%	76,911	Page 323.185b
20	Plus FERC Assessments (#928)	400,902		400,902	17.4119%	69,805	71.6574%	287,276	Page 350.3d
20A	Plus CT Regulatory Expenses (#928)	2,162,157	34.9555% (c)	755,794	17.4119%	131,598	71.6574%	541,582	Page 350.1d + 350.5d
21	Plus Trans. Related General Advertising Exp.	0		0	17.4119%	0	71.6574%	0	
22	Total Transmisson A&G [line 18 plus (19 thru 21)]			6,551,022		1,140,655		4,694,292	
23	Payroll Tax Expense	3,526,833 (e)	12.0203% (a)	423,935	17.4119%	73,815	71.6574%	303,781	
	(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)multipled 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	421,395							Page 263.5i
25	FICA	2,920,834							Page 263.4i
26 ***	Medicare	0							
27	CT State Unemployment	184,604							Page 263.12i
	Total	3,526,833							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 - 2012
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	108,198,610	445,284,403	553,483,014	Internal Plant Accounting
2	Total Transmission Investment	621,407,431	621,407,431	621,407,431	Internal Company Records
#					
3	Percent Allocation (line 1/2)	17.4119%	71.6574%	89.0693%	
<u>Transmission Wages and Salaries Allocation Factor</u>					
4	Direct Transmission Wages and Salaries			5,191,462	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries			0	Worksheet 6 of 8
6	Total Transmission Wages and Salaries (line 4+ 5)			5,191,462	
7	Total Wages and Salaries			48,297,981	Page 354.28b
8	Administrative and General Wages and Salaries			5,108,813	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)			43,189,168	
11	Percent Allocation (line 6/10)			12.0203%	
<u>Plant Allocation Factor</u>					
12	Total Transmission Investment			621,407,431	Internal Company Records
13	plus Transmission-related General Plant			30,830,890	Worksheet 3 of 8, Line 2
14	Total Transmission Related Plant (line 12 + line 13)			652,238,321	
15	Total Plant in Service			1,865,908,454	Page 207.100g
16	Percent Allocation (line 14/15)			34.9555%	

The United Illuminating Company - 2012

Sheet: Worksheet 6

RNS Rate
Worksheet 6 of 8

Affiliated Company Wages and Salaries-2012

 Shading denotes an input

<u>Line</u>		<u>UI</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	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 - 2012
For the Year 2012

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 - 2012			
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		28,255
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		147,776
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		229,252
Total =		0	754,433

Page 332.13g

Page 332.9g

Page 332.12g

Page 332.2g

**Summary of The United Illuminating Company System
Monthly Coincident Peaks for 2012
(Kilowatts)**

Shading denotes an input

	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
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.	655,124	610,489	601,880	558,882	778,629	953,586	992,915	894,073	813,672	591,070	623,617	628,315
Hosley Substation	5,107	2,167	2,425	3,342	3,357	1,864	3,377	2,000	1,916	3,203	1,667	3,435
PSEG/Connecticut, (kW)	4,176	5,616	5,328	3,996	2,016	466	0	3,322	2,451	2,799	2,738	7,776
CP Energy / Brigdeport Energy	3,600	0	0	0	600	0	0	0	0	0	0	0
Annual UI System Average 12 CP Load												731,750

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 - 2012				RNS Rate	
YEAR	Equity AFUDC	DEBT AFUDC	Total AFUDC	AFUDC 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%
1 1972	0.00	1.00	1.00	0.00%	0.00%
2 1973	0.00	1.00	1.00	0.00%	0.00%
3 1974	0.00	1.00	1.00	0.00%	0.00%
4 1975	0.00	1.00	1.00	0.00%	0.00%
5 1976	0.00	1.00	1.00	0.00%	0.00%
6 1977	2,518,016.00	2,419,271.00	4,937,287.00	8.30%	4.23%
7 1978	3,396,839.00	4,871,127.00	8,267,966.00	8.30%	3.41%
8 1979	4,574,700.00	10,925,831.00	15,500,531.00	9.90%	2.92%
9 1980	13,007.00	14,548.00	27,555.00	11.00%	5.19%
10 1981	21,022.00	7,091.00	28,113.00	9.00%	6.73%
11 1982	31,631.00	8,718.00	40,349.00	10.00%	7.84%
12 1983	40,443.00	11,964.00	52,407.00	10.25%	7.91%
13 1984	44,495.00	12,747.00	57,242.00	10.50%	8.16%
14 1985	46,083.00	16,540.00	62,623.00	10.75%	7.91%
15 1986	57,393.00	20,651.00	78,044.00	11.00%	8.09%
16 1987	54,933.00	26,486.00	81,419.00	13.00%	6.80%
17 1988	48,605.00	27,051.00	75,656.00	10.00%	6.58%
18 1989	38,968.00	26,475.00	65,443.00	12.30%	5.57%
19 1990	1,085.00	2,358.00	3,443.00	11.75%	3.39%
20 1991	1,259.00	3,931.00	5,190.00	10.88%	2.06%
21 1992	1,003.00	2,229.00	3,232.00	10.25%	3.18%
22 1993	999.00	3,068.00	4,067.00	8.75%	2.15%
23 1994	753.00	2,710.00	3,463.00	8.19%	1.78%
24 1995	390.00	2,372.00	2,762.00	8.00%	1.13%
25 1996	940.00	1,435.00	2,375.00	9.00%	3.56%
26 1997	336.00	1,239.00	1,575.00	7.50%	1.60%
27 1998	13.00	455.00	468.00	7.00%	0.19%
28 1999	575.00	1,660.00	2,235.00	7.75%	1.99%
29 2000	1,149.00	1,459.00	2,608.00	8.42%	3.71%
30 2001	1,123.00	789.00	1,912.00	9.02%	5.41%
31 2002	1,237.00	983.00	2,220.00	9.09%	5.41%
32 2003				8.08%	5.02%
33 2004					5.02%
34 2005					5.21%
35 2006					3.69%
36 2007					3.80%
37 2008					5.02%
38 2009					1.92%
39 2010					6.04%
40 2011					4.36%
41 2012					4.25%
Total					161.24%
Total divided by 41 years					3.93%
Transmission Depreciation					\$13,484,203
Equity AFUDC Portion of Depr. Exp.					\$530,290
PTF % Pre-97					17.4119%
Pre- 97 PTF Equity AFUDC Portion of Depr. Exp.					\$92,333
PTF % Post-96					71.6574%
Post-96 PTF Equity AFUDC Portion of Depr. Exp.					\$379,992

The United Illuminating Company 2013 Forecasted Plant in Service and PTF Transmission Revenue Requirements
(in thousands)

				(A)	(B)	(C)=(A)x(B)	(D)	(E)=(C) / (D)
				Estimated PTF Plant In- Service (in thousands)	Annual Carrying Charge	Forecasted PTF Revenue Requirement (in thousands)	2012 12CP RNS Load	RNS Rate Impact \$/kw-yr
Company	Project Name	RSP ID	Est ISD					
UI	Reconfiguration of 115 kV (8300) line from Mill River to Quinnipiac	1246	07/2013	\$ 17,400,000	20.03%	\$ 3,485,869	20,189,256	\$ 0.1727
UI	New England East-West Solution (NEEWS)	*	02/2013	\$ 18,700,000	20.03%	\$ 3,746,307	20,189,256	\$ 0.1856
UI	East Shore 115 kV Oil Circuit Breaker & Disconnect Replacements.	974	11/2013	\$ 14,700,000	20.03%	\$ 2,944,958	20,189,256	\$ 0.1459
UI	North Haven 115 kV Capacitor Bank TRV Mitigation Project	1193	01/2013	\$ 4,400,000	20.03%	\$ 881,484	20,189,256	\$ 0.0437
UI	East Shore 115/13.8 kV Substation Capacity Upgrade	1292	05/2013	\$ 3,200,000	20.03%	\$ 641,079	20,189,256	\$ 0.0318
UI	Hawthorne 115 kV OCB Switch Replacement	N/A	01/2013	\$ 1,200,000	20.03%	\$ 240,405	20,189,256	\$ 0.0119
UI	Other			\$ 2,075,000	20.03%	\$ 415,700	20,189,256	\$ 0.0206
Total UI				<u>\$ 61,675,000</u>		<u>\$ 12,355,802</u>	<u>20,189,256</u>	<u>\$ 0.6120</u>

The United Illuminating Company
Annual Revenue Requirements of pre-1997 & post-1996 PTF
for costs in 2012 06/12-05/13

RNS Rate

		Attachment F				
		Reference	Pre-97	Post-1996	Total	Reference
Line No.	I.	Section:				
1	Transmission Plant	I (A)(1)(a)	109,276,494	372,213,537	481,490,031	Worksheet 3, line 1 column 5
2	General Plant	I (A)(1)(b)	2,569,266	8,751,340	11,320,606	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	I (A)(1)(c)	3,187,984	10,858,794	14,046,778	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		115,033,744	391,823,671	506,857,415	
#						
5	Accumulated Depreciation	I (A)(1)(d)	18,815,481	64,088,592	82,904,073	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	I (A)(1)(e)	19,630,050	66,863,148	86,493,198	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	I (A)(1)(f)	899,763	3,064,741	3,964,504	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	I (A)(1)(g)	7,401,279	25,209,964	32,611,243	Worksheet 3, line 15 column 5
9	Net Investment (Line 4-5-6+7+8)		84,889,255	289,146,636	374,035,891	
10	Prepayments	I (A)(1)(h)	69,996	238,416	308,412	Worksheet 3, line 16 column 5
11	Materials & Supplies	I (A)(1)(i)	37,696	128,398	166,094	Worksheet 3, line 17 column 5
12	Cash Working Capital	I (A)(1)(j)	751,554	2,258,955	3,010,509	Worksheet 3, line 24 column 5
13	Total Investment Base (Line 9+11+12+13)		85,748,501	291,772,405	377,520,906	
II. REVENUE REQUIREMENTS						
14	Investment Return and Income Taxes	I (A)	11,094,964	37,752,490	48,847,454	Worksheet 2
15	Depreciation Expense	I (B)	2,491,628	8,486,891	10,978,519	Worksheet 4, line 3 column 5
16	Amortization of Loss on Reacquired Debt	I (C)	57,164	194,710	251,874	Worksheet 4, line 4 column 5
17	Investment Tax Credit	I (D)	(10,213)	(34,789)	(45,002)	Worksheet 4, line 5 column 5
18	Property Taxes	I (E)	1,989,591	6,776,873	8,766,464	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	I (F)	130,220	443,552	573,772	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	I (G)	3,059,512	10,421,197	13,480,709	Worksheet 4, line 13 column 5
21	Administrative & General Expense	I (H)	2,246,059	7,650,442	9,896,501	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)	706,862	0	706,862	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)	(13,601)	0	(13,601)	Txm related Acct 456
28	Transmission Rents Received from Electric Property	I (O)	(31,912)	0	(31,912)	Txm related Acct 454-rent
29	Total Revenue Requirements (Line 14 thru 28)		21,720,274	71,691,366	93,411,640	
III. CURRENT CALENDAR YEAR ESTIMATED INCREMENTAL REVENUE REQUIREMENT						
30	Carrying Charge Factor Base Revenue Requirement Numerator			71,691,366		
31	Post-2003 Enhanced Return Addition to Revenue Requirement			2,686,551		
32	Total Post-96 PTF Revenue Requirement			74,377,917		
33	Post-96 PTF Transmission Plant in Service			372,213,537		
34	Post-96 Carrying Charge Factor (Post-96 CCF)			0.199826		
35	Forecasted Post-96 PTF Plant Additions			70,000,000		
36	Forecasted Post-96 Localized PTF Plant Additions			0		
37	Forecasted Post-96 Pool-Supported PTF Plant Additions			70,000,000		
38	Post-96 Estimated Incremental Revenue Requirement			13,987,815		incremental

RNS Rate

The United Illuminating Company
FERC Interest Calculation associated with Under / (Over)
True-up and Interest Calculation for 2012

1 2012 Est. Transmission Revenue Requirements (as billed)	6/12-05/13	Appendix C	Pre-97 21,720,274	Post-96 88,365,732	Total 110,086,006	ATRR - Prior Year
2 2012 Actual Annual RR			22,350,484	91,740,783	114,091,267	Input Panel Subtotals
3 True-up Over/(Under) (Line 1 - Line 2)			-630,210	-3,375,051	-4,005,261	

1/1/2012

	Undercollection / (Overcollection)
Pre'97	\$630,210
Post'96	\$3,375,051

Initial Billing Period	Pre 1997 Balance	Post 1996 Balance	FERC Monthly Interest Rate	Pre 1997 Interest	Post 1996 Interest	
June 2012	630,210	3,375,051	0.27%	\$1,702	\$9,113	
July 2012	631,912	3,384,163	0.28%	\$1,769	\$9,476	
August 2012	631,912	3,384,163	0.28%	\$1,769	\$9,476	
September 2012	631,912	3,384,163	0.27%	\$1,706	\$9,137	
October 2012	637,156	3,412,252	0.28%	\$1,784	\$9,554	
November 2012	637,156	3,412,252	0.27%	\$1,720	\$9,213	
December 2012	637,156	3,412,252	0.28%	\$1,784	\$9,554	
January 2013	642,445	3,440,574	0.28%	\$1,799	\$9,634	
February 2013	642,445	3,440,574	0.25%	\$1,606	\$8,601	
March 2013	642,445	3,440,574	0.28%	\$1,799	\$9,634	
April 2013	647,649	3,468,442	0.27%	\$1,749	\$9,365	
May 2013	647,649	3,468,442	0.28%	\$1,813	\$9,712	
	Total Interest			\$21,001	\$112,468	\$133,469
	True-Up			\$630,210	\$3,375,051	
	Total TU & Int			\$651,211	\$3,487,519	

The United Illuminating Company
PTF Investment By Year
As of 12/31/2012

<u>Pre-97 PTF</u>	<u>FERC#</u>									<u>Pre-97 PTF</u>
<u>Year</u>	<u>3530</u>	<u>3540</u>	<u>3550</u>	<u>3560</u>	<u>3570</u>	<u>3580</u>	<u>3520</u>	<u>3500</u>		
1923								4,989.42		4,989.42
1925		53,194.27		29,047.79						82,242.06
1926								173,132.80		173,132.80
1936								18,527.70		18,527.70
1937								21,454.50		21,454.50
1941	226.13						-			226.13
1942	17,480.41	229,476.46		9,590.14	185,294.38		242.72			442,084.11
1944								249.47		249.47
1947	(14,354.46)						14,422.28			67.82
1948	1.59									1.59
1949	-						-	329.34		329.34
1950						442.92				442.92
1952	153.40							801.25	8,604.28	9,558.93
1953		6,813.27						1,156.39	12,832.35	20,802.00
1954	123,825.82	64,630.55		3,548.97			6,034.81		802.06	198,842.22
1955	3,685.74	20,335.11		478.23			1,660.79		2,506.62	28,666.48
1956	169.09						382.41			551.51
1957	250.83						3,276.84			3,527.67
1958	464,420.22	36,281.88		3,843.89	53,354.69		45,155.23		21,692.66	624,748.56
1959	141,313.48	38,759.65		76,362.51			2,886.16		127,239.08	386,560.88
1960	197,371.80				258,527.81	271,620.69	9,479.29		25,587.14	762,586.73
1961	108,903.76	392,981.98		132,082.43	533,659.12	489,080.27	14,332.69		223,731.06	1,894,771.30
1962	92,122.22	264,510.32		201,744.96		329.55	1,511.72		106,564.21	666,782.98
1963	61,592.96	77,818.49		14,813.88	957.05		12,672.44		26,967.28	194,822.10
1964	114,116.18	763.19		1,441.57			8,841.51		663.81	125,826.26
1965	139,633.46			1,689.01			4,338.41		-	145,660.88
1966	767,880.47	758,669.73		631,547.86	529,545.19	488,886.62	56,687.71		37,910.29	3,271,127.88
1967	424.09	971.83					3,528.03		33,274.19	38,198.13
1968	313,475.44	109,517.30	213,067.23	136,209.24	3,829.12	5,113.27	213,009.41		225,156.38	1,219,377.39
1969	1,309,468.74		1,956.12	548.85	2,165.29	978,060.17	106,786.59		188,719.51	2,587,705.28
1970	103,045.52		1,573.96	6,529.20	60,559.12	85,538.57	13,473.34		3,449.08	274,168.80
1971	620,972.02			4,191.55		3,152.46	22,766.05		-	651,082.08
1972	261,583.20			60,000.00			10,751.56		(934.00)	331,400.77
1973	1,596,042.24	163,137.28	2,175,313.07	809,883.37			129,675.04		369,586.13	5,243,637.14
1974	4,483,212.71	2,354.29	2,716,632.00	733,053.93		59,635.26	290,185.24		(863.55)	8,284,209.87
1975	218,043.30		41,426.49	10,957.97			44,887.27		289,235.79	604,550.81
1976	63,312.34	15.39					739.30		2,132.61	66,199.64
1977	8,262.33	81,979.29		210,621.90					-	300,863.52
1978	621,152.25		4,742,480.25	406,040.48					-	5,769,672.98
1979	4,075.66			38,716.77						42,792.43
1980	2,247.49		118,029.43	59,419.37						179,696.29
1981	143,670.21		415,774.29	38,962.55	5,675.72		44,871.54		24,362.26	673,316.57
1982	81,220.58		112,048.03				14,064.48		-	207,333.10
1983	26,457.10		1,560.04	60,682.30					11,042.51	99,741.95
1984	42,773.95			7,276.18					3,345.36	53,395.50
1985	118,949.67					25,600.45			58,188.81	202,738.93
1986	99,923.04									99,923.04
1987	87,840.08									87,840.08
1988	25,486.93								5,255.23	30,742.15
1989	3,811,217.71	65,160.06		5,967,775.22		1,259,201.16	675,694.57			11,779,048.72
1990	1,497,125.92	3,463,931.03		648,391.20			4,447.63			5,613,895.78
1991	2,266,765.25				851,782.51	7,256,907.43				10,375,455.19
1992	4,767,742.67				65,673.56	690,674.29	1,164,659.29		1,449,575.70	8,138,325.52
1993	4,105,841.77					103,466.78	119,696.98			4,329,005.53
1994	3,049,126.26	1,306,048.20	8,919,373.29	2,886,757.08		108,766.34	77,046.13			16,347,117.30
1995	9,509,575.29	301,344.42	866,352.49	931,130.83	13,967.63	77,322.69	912,269.26		2,467,397.08	15,079,359.69
1996	176,888.32	38,736.22		105,736.31			79,706.18		8,165.03	409,232.06
2012	-	-		-		-	-		-	-
Pre-97 PTF	41,634,715.19	7,477,430.21	20,325,586.69	14,229,075.54	2,564,991.19	11,903,798.92	4,115,485.90	5,947,526.83		108,198,610.47

The United Illuminating Company
PTF Investment By Year
As of 12/31/2012

Post-96 PTF	FERC#								
Year	3530	3540	3550	3560	3570	3580	3520	3500	Post-96 PTF
1997	763,062			5,944		96,292	1,349,530		2,214,829
1998	962,837	911,471		17,797			151,431		2,043,536
1999	0								0
2000	433,844	668,344		66,709			73,724		1,242,620
2001	877,330						69,501		946,831
2002	897,681	1,420,332		42,627					2,360,640
2003	1,076,511		0	0					1,076,511
2004	0			0		0	0		0
2005	0	0	0	0	0	0	0		0
2006	0	0	0	0	0		0	0	0
2007	0	0		0		0	0	0	0
2008	0			0	0	0	0	0	0
2009	0	0		0	0	0	0		0
2010	0			0	0	0	0	0	0
2011	0			0	0	0	0		0
2012	0	0		0		0	0		0
Post-96 PTF	5,011,265	3,000,146	0	133,077	0	96,292	1,644,186	0	9,884,967
Post-03 PTF	FERC#								
Year	3530	3540	3550	3560	3570	3580	3520	3500	Post-03 PTF
1997	-			-		-	-		-
1998	-	-		-			-		-
1999	-								-
2000	-	-		-			-		-
2004	2,830,678.45			1,288,165.27		996,951.78	198,732.69		5,314,528.19
2005	1,490,114.65	193,047.80	3,345.36	81,903.03	418,250.14	789,022.26	7,276.10		2,982,959.34
2006	2,558,184.77	191,585.67	-	21.00	6,839.28		29,433.28	-	2,786,064.00
2007	1,155,628.16	76,169.30		171,828.57		-	133,272.42	2,791.47	1,539,689.92
2008	119,446,734.37			233,733.67	115,199,953.78	46,846,124.17	14,068,150.55	1,163,744.17	296,958,440.71
2009	-	-		-	-	-	-	-	-
2010	-			-	-	-	-	-	-
2011	-			-	-	-	-	-	-
2012	-	-		-	-	-	-	-	-
Post-03 PTF	127,481,340.40	460,802.77	3,345.36	1,775,651.54	115,625,043.20	48,632,098.21	14,436,865.04	1,166,535.64	309,581,682.16
Post-08 PTF	FERC#								
Year	3530	3540	3550	3560	3570	3580	3520	3500	Post-08 PTF
1997	-			-		-	-		-
1998	-	-		-			-		-
1999	-								-
2000	-	-		-			-		-
2001	-						-		-
2002	-	-		-					-
2003	-		-	-					-
2004	-			-		-	-		-
2005	-	-	-	-	-	-	-		-
2006	-	-	-	-	-		-	-	-
2007	-	-		-		-	-	-	-
2008	-			-	-	-	-	-	-
2009	2,184,216.22	886,014.40		(0.00)	-	-	2,486,685.34		5,556,915.96
2010	8,633,782.03			138,798.39	-	-	983,159.17	-	9,755,739.59
2011	28,634,028.13			12,126.01	2,377,557.10	3,839,776.76	4,137,189.97		39,000,677.97
2012	63,323,644.72	5,132,319.96		1,214,063.07		539,144.31	1,295,248.51		71,504,420.57
Post-08 PTF	102,775,671.10	6,018,334.36	-	1,364,987.47	2,377,557.10	4,378,921.07	8,902,282.99	-	125,817,754.09
Grand Total	276,902,991.91	16,956,713.80	20,328,932.05	17,502,791.13	120,567,591.49	65,011,110.53	29,098,820.35	7,114,062.47	553,483,013.73

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: 13-May-13

Revenue Requirements for (year): Calendar Year 2012

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>117,754</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>117,754</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>\$117,754</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>\$117,754</u> (p) = (n) + (o)	

Unitil Power Corp.
Annual Revenue Requirements of PTF Facilities
for costs in 2012
PRE-1997

Shading denotes an input

		Attachment F Reference	UPC	Total	Reference
Line No. I. INVESTMENT BASE		Section:			
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)	14,719	14,719	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		14,719	14,719	
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)	117,754	117,754	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)		117,754	117,754	

Unitil Power Corp.
Annual Revenue Requirements
for costs in 2012

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 = #DIV/0!

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

=
$$\left(\frac{\#DIV/0! + (0 + 0) / 14,719}{1} \right) \times \frac{0.34}{0.34}$$

= #DIV/0!

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

=
$$\left(\frac{\#DIV/0! + (0 + 0) / 14,719}{1} \right) + \frac{\#DIV/0!}{0.085} \times 0.085$$

= #DIV/0!

(a)+(b)+(c) **Cost of Capital Rate** = #DIV/0!

(PTF)

INVESTMENT BASE \$ 14,719 From Worksheet 1

x Cost of Capital Rate #DIV/0!

= Investment Return and Income Taxes 0 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	Transmission Plant		0		0	Line 1, Worksheet 5
2	General Plant	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Page 207.83g
3	Total (line 1+2)		#DIV/0!		#DIV/0!	
<u>Transmission Plant Held for Future Use</u>						
4	Transmission Plant Held for Future Use		0	#DIV/0!	#DIV/0!	Page 214
<u>Transmission Accumulated Depreciation</u>						
5	Transmission Accum. Depreciation		0	#DIV/0!	#DIV/0!	Page 219.23b
6	General Plant Accum. Depreciation	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Page 219.25b
7	Total (line 5+6)		#DIV/0!		#DIV/0!	
<u>Transmission Accumulated Deferred Taxes</u>						
8	Accumulated Deferred Taxes (281-283)	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 275.2k + 277.9k (d)
9	Accumulated Deferred Taxes (190)	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 234.8c (d)
10	Total (line 8+9)		#DIV/0!		#DIV/0!	
11	Transmission loss on Reacquired Deb	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 111.65d
<u>Other Regulatory Assets</u>						
12	FAS 106	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Page 232.30e
13	FAS 109	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 233.1f - 269.1f (d)
14	Other Regulatory Liabilities (254.DK)	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	
15	Total (line 12+13+14)		#DIV/0!		#DIV/0!	
16	Transmission Prepayments	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Page 110.46d*p.200.8.c/p.200.8.b
17	Transmission Materials and Supplies		0	#DIV/0!	#DIV/0!	Page 227.8c
<u>Cash Working Capital</u>						
19	Operation & Maintenance Expense				0	Worksheet 1, Line 20
20	Administrative & General Expense				0	Worksheet 1, Line 21
21	Transmission Support Expense				117,754	Worksheet 1, Line 24
22	Subtotal (line 19+20+21)				117,754	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				14,719	

(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.

PTF Revenue Requirements
Worksheet 4 of 8

Shading denotes an input

		(2)			(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)
<u>Depreciation Expense</u>							
1	Transmission Depreciation	0		0	#DIV/0!	#DIV/0!	Page 336.7b
2	General Depreciation	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	Page 336.9b
3	Total (line 1+2)			#DIV/0!		#DIV/0!	
<u>Amortization of Loss on Reacquired Debt</u>							
4		0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 117.58c
<u>Amortization of Investment Tax Credits</u>							
5		0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 266.8f
<u>Property Taxes</u>							
6	Transmission Property Taxes	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	Page 262i-263i (e) Page 262-263
7	General Property Taxes	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	
8	Total (line 6+7)			#DIV/0!		#DIV/0!	
<u>Transmission Operation and Maintenance</u>							
9	Operation and Maintenance	0		0	#DIV/0!	#DIV/0!	Page 321.100b
10	Transmission of Electricity by Others - #565	0		0	#DIV/0!	#DIV/0!	Page 321.88b
11	Load Dispatching - #561	0		0	#DIV/0!	#DIV/0!	Page 321.84b
12	**Station Expenses & Rents- #562 / #567					0	Page 321.85b & .90b
13	O&M less lines 10, 11 & 12	0		0	#DIV/0!	#DIV/0!	
<u>Transmission Administrative and General</u>							
14	Administrative and General	0					Page 323.168b
15	less Property Insurance (#924)	0					Page 323.156b
16	less Regulatory Commission Expenses (#928)	0					Page 350
17	less General Advertising Expense (#930.1)	0					Page 323.162b
18	Subtotal [line 14 minus (15 thru 17)]	0	#DIV/0!	(a) #DIV/0!	#DIV/0!	#DIV/0!	
19	PLUS Property Insurance alloc. using Plant Allocation	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	
21	PLUS Trans. Related General Advertising Expense	0	#DIV/0!	(c) #DIV/0!	#DIV/0!	#DIV/0!	
22	Total A&G [line 18 plus (19 thru 21)]	0		#DIV/0!		#DIV/0!	
23	Payroll Tax Expense	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
FICA
Medicare
State Unemployment
MA Universal Health
Payroll Taxes Capitalized

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
	<u>PTF Transmission Plant Allocation Factor</u>	<u>UPC</u>	
1	PTF Transmission Investment	0	See Workpaper 1
2	Total Transmission Investment	0	Page 207.53g
3	Percent Allocation (Line 1/Line 2)	#DIV/0!	
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	0	Page 354.19b
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	0	
7	Total Wages and Salaries	0	Page 354.25b + Line 5
8	Administrative and General Wages and Salaries	0	Page 354.24b
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)	0	
11	Percent Allocation (Line 6/Line 10)	#DIV/0!	
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	0	Page 207.53g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	#DIV/0!	Worksheet 3, Line 2
14	= Revised Numerator (Line 12 + Line 13)	#DIV/0!	
15	Total Plant in Service	0	Page 207.88g
16	Percent Allocation (Line 14 / Line 15)	#DIV/0!	

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			
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	5,878	0	5,878
	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	33,270	0	33,270
	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	78,607	0	78,607
	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	117,754	0	117,754

Amount by which Support Expense exceeds Support Revenues

117,754

(To Worksheet 3, Line 21, Column 5)

See Workpaper 1.

 Shading denotes an input

UPC

File: K:\conadm\test\ehv\rtg\Ancil95.xls

Workpaper 1
Unitil Power Corp
Transmission Support Payment Accounts

2012

13-20-13-00-565-11-01	HQ - BECO AC (d/b/a NSTAR)	5,877.58	
13-20-13-00-565-46-00	HQ II TRANS EXP - BECO	\$ -	
	Total	\$ 5,877.58	Worksheet 7, BECo HQ Phase II - AC in MA
13-20-13-00-565-11-02	HQ - NEP AC	78,606.83	Worksheet 7, NEP HQ Phase II - AC in MA
13-20-13-00-565-11-03	HQ - Chester SVC	33,269.90	Worksheet 7, NEP Chester SVC

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

Submitted on:	May 13, 2013
Revenue Requirements for (test year):	Calendar Year 2012
Rates Effective for the period:	June 1, 2013
through:	May 31, 2014
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	= \$ 10,563,113 (a)	\$ 105,311,033 (f)
Total of Attachment F - Section J - Support Revenue	- (b)	- (g)
Total of Attachment F - Section K - Support Expense	952,867 (c)	- (h)
Total of Attachment F - Section (L through O)	39,697 (d)	393,005 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	11,555,676 (e)=(a)-(b)+(c)+(d)	105,704,038 (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	N/A	9,960,023 (k)
Annual True-up (per Attachment C to Attachment F Implementation Rule)	(443,837) (l)	(3,390,525) (m)
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	\$ 11,111,839 (n)=(e)+(l)	\$ 112,273,535 (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>\$ 123,385,375</u> (p) = (n)+(o)

**VT TRANSCO AND Bennington Searsburg Line
Annual Revenue Requirements of PTF Facilities
2012**

Line No.	I. INVESTMENT BASE	Attachment F	PRE 97	POST 1996	TOTAL	Ref
		Reference				
		Section:				
1	Transmission Plant	(A)(1)(a)	\$ 61,008,920	\$ 598,381,290	\$ 659,390,211	Worksheet 1
2	General Plant	(A)(1)(b)	9,207,640	90,991,161	100,198,801	Worksheet 1
3	Plant Held For Future Use	(A)(1)(c)	-	-	-	Worksheet 1
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 1
6	Accumulated Deferred Income Taxes	(A)(1)(e)	4,915,859	47,799,990	52,715,849	Worksheet 1
7	Loss On Reacquired Debt	(A)(1)(f)	-	-	-	Worksheet 1
8	Other Regulatory Assets	(A)(1)(g)	1,707	2,128	3,835	Worksheet 1
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 1
11	Materials & Supplies	(A)(1)(i)	616,631	6,104,433	6,721,064	Worksheet 1
12	Cash Working Capital	(A)(1)(j)	277,903	1,526,354	1,804,257	Worksheet 1
13	Total Investment Base (Line 9+10+11+12)		\$ 55,254,706	\$ 543,129,713	\$ 598,384,420	Worksheet 1
	II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	(A)	\$ 6,741,682	\$ 68,088,811	\$ 74,830,493	Worksheet 1
15	Depreciation Expense	(B)	1,791,318	17,612,219	19,403,537	Worksheet 1
16	Amortization of Loss on Reacquired Debt	(C)	-	-	-	Worksheet 1
17	Investment Tax Credit	(D)	(215)	(268)	(483)	Worksheet 1
18	Property Tax Expense	(E)	679,836	6,606,118	7,285,954	Worksheet 1
19	Payroll Tax Expense	(F)	80,132	793,324	873,456	
20	Operation & Maintenance Expense	(G)	674,458	6,420,091	7,094,549	Worksheet 1
21	Administrative & General Expense	(H)	595,902	5,790,738	6,386,640	Worksheet 1
22	Transmission Related Integrated Facilities Charge	(I)	-	-	-	Worksheet 1
23	Transmission Support Revenue	(J)	-	-	-	Worksheet 1
24	Transmission Support Expense	(K)	952,867	-	952,867	Worksheet 1
25	Transmission Related Expense from Generators	(L)	-	-	-	
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)	Worksheet 1
28	Transmission Rents Received from Electric Property	(O)	(1,407)	(13,926)	(15,333)	
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	

**VT TRANSCO and Bennington Searsburg Line
Annual Revenue Requirements of PTF Facilities
2011**

I. INVESTMENT BASE		Attachment F	PRE97	POST 1996	TOTAL	Reference
Line No.		Reference				
		Section:				
1	Transmission Plant	(A)(1)(a)	\$ 61,906,556	\$ 565,827,989	\$ 627,734,544	Worksheet 3, line 1&2 column 5
2	General Plant	(A)(1)(b)	5,319,527	49,409,327	54,728,854	Worksheet 3, line 3 column 5
3	Plant Held For Future Use	(A)(1)(c)	96	-	96	Worksheet 3, line 5 column 5
4	Total Plant (Lines 1+2+3)		67,226,179	615,237,316	682,463,494	
5	Accumulated Depreciation	(A)(1)(d)	10,336,081	91,186,237	101,522,318	Worksheet 3, line 8 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	4,678,799	41,946,951	46,625,750	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)	1,337	-	1,337	Worksheet 3, line 16 column 5
9	Net Investment (Line 4-5-6+7+8)		52,212,636	482,104,128	534,316,763	
10	Prepayments	(A)(1)(h)	144,392	1,219,654	1,364,046	Worksheet 3, line 17 column 5
11	Materials & Supplies	(A)(1)(i)	619,736	5,598,102	6,217,838	Worksheet 3, line 18 column 5
12	Cash Working Capital	(A)(1)(j)	288,617	1,387,327	1,675,944	Worksheet 3, line 25 column 5
13	Total Investment Base (Line 9+10+11+12)		\$ 53,265,381	\$ 490,309,211	\$ 543,574,591	
II. REVENUE REQUIREMENTS						
14	Investment Return and Income Taxes	(A)	\$ 6,935,739	\$ 65,943,708	\$ 72,879,447	Worksheet 2
15	Depreciation Expense	(B)	1,541,121	14,082,160	15,623,281	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)	(574)	-	(574)	Worksheet 4, line 5, column 5
18	Property Tax Expense	(E)	1,068,971	9,632,183	10,701,154	Worksheet 4, line 6, column 5
19	Payroll Tax Expense	(F)	82,450	745,661	828,111	Worksheet 4, line 22, column 5
20	Operation & Maintenance Expense	(G)	739,188	5,935,605	6,674,793	Worksheet 4, line 11, column 5
21	Administrative & General Expense	(H)	593,770	5,163,012	5,756,782	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)	975,979	-	975,979	Worksheet 6
25	Transmission Related Expense from Generators	(L)	-	-	-	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	52,345	489,987	542,332	
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)	(2,229)	(20,868)	(23,097)	Attachment 7
28	Transmission Rents Received from Electric Property	(O)	(1,560)	(14,600)	(16,160)	Attachment 6
Total RNS Revenue Requirements before Forecast,						
29	Annual True-up and Assoc. Interest (Line 14 thru 28)		\$ 11,985,200	\$ 101,956,847	\$ 113,942,048	
30	Forecasted PTF Revenue Requirements - 2012		-	7,028,376	7,028,376	
31	Total RNS Rev Req'ts subject to Annual True-up		\$ 11,985,200	\$ 108,985,223	\$ 120,970,424	
32	PY true-up		367,045	5,838,758	6,205,803	
33	Total RNS-6/1/11-5/31/12		\$ 12,352,245	\$ 114,823,981	\$ 127,176,226	

**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 = 2012 Actual	6/1/13-5/31/14	\$ 11,555,676	\$ 105,704,038	\$ 117,259,714	Summary 6-1-13_5-31-14, line 29
2	ATRR subject to True-up = '11 TY + '12 Forecast -	6/1/12-5/31/13	11,985,200	108,985,223	120,970,424	Summary 6-1-12_5-31-13, line 31
3	Annual True-up (Line 1 - Line 2)		<u>\$ (429,524)</u>	<u>\$ (3,281,185)</u>	<u>\$ (3,710,709)</u>	

VT TRANSCO and Bennington Searsburg Line
FERC Interest Calculation associated with Under / (Over)
Transmission Revenue Requirements of PTF Facilities

	Undercollection / (Overcollection)
PRE97	(429,524)
Post1996	(3,281,185)

Initial Billing Period	PRE97 Balance	POST 1996 Balance	FERC Monthly Interest Rate	PRE97 Interest	POST 1996 Interest	
June 2012	(429,524)	(3,281,185)	0.27%	\$ (1,159.71)	\$ (8,859.20)	
July 2012	(430,684)	(3,290,045)	0.28%	(1,205.91)	(9,212.12)	
August 2012	(430,684)	(3,290,045)	0.28%	(1,205.91)	(9,212.12)	
September 2012	(430,684)	(3,290,045)	0.27%	(1,162.85)	(8,883.12)	
October 2012	(434,258)	(3,317,352)	0.28%	(1,215.92)	(9,288.59)	
November 2012	(434,258)	(3,317,352)	0.27%	(1,172.50)	(8,956.85)	
December 2012	(434,258)	(3,317,352)	0.28%	(1,215.92)	(9,288.59)	
January 2013	(437,863)	(3,344,886)	0.28%	(1,226.02)	(9,365.68)	
February 2013	(437,863)	(3,344,886)	0.25%	(1,094.66)	(8,362.21)	
March 2013	(437,863)	(3,344,886)	0.28%	(1,226.02)	(9,365.68)	
April 2013	(441,409)	(3,371,980)	0.27%	(1,191.81)	(9,104.34)	
May 2013	(441,409)	(3,371,980)	0.28%	(1,235.95)	(9,441.54)	
		Total Interest		\$ (14,313)	\$ (109,340)	\$ (123,653)
		True-Up		(429,524)	(3,281,185)	(3,710,709)
		Total TU & Int		\$ (443,837)	\$ (3,390,525)	\$ (3,834,362)

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:	May 13, 2013
Revenue Requirements for (year):	Calendar Year 2012 \$ 123,135,122
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>10,451,702 (a)</u>	<u>105,172,191 (f)</u>
Total of Attachment F - Section J - Support Revenue	<u>0 (b)</u>	<u>(g)</u>
Total of Attachment F - Section K - Support Expense	<u>952,867 (c)</u>	<u>(h)</u>
Total of Attachment F - Section (L through O)	<u>39,697 (d)</u>	<u>393,005 (i)</u>
Sub Total - Sum (A through I) - J + K + (L through O)	<u>11,444,265 (e)=(a)-(b)+(c)+(d)</u>	<u>105,565,196 (j)</u>
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>9,960,023</u>
Annual True-up (per Attachment C to Attachment F Implementation Rule)	<u>(443,837)</u>	<u>(3,390,525)</u>
Adjusted Sub Total - Sum (Sub Total + Forecast + True-up)	<u>11,000,428</u>	<u>112,134,693</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>123,135,122</u></u>

VT TRANSCO
Annual Revenue Requirements of PTF Facilities
for costs in 2012

PTF Revenue Requirements
Worksheet 1 of 8

Shading denotes an input

		Attachment F	
Line N		Reference	Reference
	I. INVESTMENT BASE		
1	Transmission Plant	(A)(1)(a)	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		
5	Accumulated Depreciation	(A)(1)(d)	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		
10	Prepayments	(A)(1)(h)	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		
	II. REVENUE REQUIREMENTS		
14	Investment Return and Income Taxes	(A)	Worksheet 2
	Investment Return and Income Taxes Post-2003 Incremental		Worksheet adder
15	Depreciation Expense	(B)	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)	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	Worksheet 7
23	Transmission Support Revenue	(J)	Worksheet 7
24	Transmission Support Expense	(K)	Worksheet 7
25	Transmission Related Expense from Generators	(L)	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	Gross Revenue Tax
27	Revenue for ST Trans. Service Under NEPOOL Tar	(N)	Schedule 8 TOUT Revenues
28	Transmission Rents Received from Electric Property	(O)	Rev Rent 4000-454806
29	Total Revenue Requirements (Line 14 thru 28)		

VT TRANSCO
Annual Revenue Requirements
for costs in 2012

Shading denotes an input

	CAPITALIZATION 12/31/12		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF EQUITY CAPITAL PORTION
LONG-TERM DEBT	\$ 417,483,000	Page 112.24c	49.53%	4.96%	2.46%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	425,460,206	Page 112.16c	50.48%	11.64%	5.88%
TOTAL INVESTMENT	\$ 842,943,206		100.01%		8.34% 5.88%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0834

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

=
$$\frac{0.0588 + \left(\frac{0 + 0}{597,676,932} \right)}{1} \times \frac{0.34}{1 - 0.34}$$

= 0.0302909

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

=
$$\frac{0.0588 + \left(\frac{0 + 0}{597,676,932} \right) + 0.0302909}{1} \times \frac{0.085}{1 - 0.085}$$

= 0.0082762

(a)+(b)+(c) **Cost of C** = 0.1219671

(PTF)

INVESTMENT BASE \$ 597,676,932 From Worksheet 1

x Cost of Capital Rate 0.1219671

= Investment Return and Interest 72,896,923 To Worksheet 1

VT TRANSCO

PTF Revenue Requirements
Worksheet 3 of 8

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	823,515,238		823,515,238		657,931,162	Line 1, Workshe
2	125,362,218	100.0000% (a)	125,362,218	79.8930%	100,155,637	Page 207.99g
3	Total (line 1+2)		948,877,456		758,086,799	
4	Transmission Plant Held for Future Use		0	79.8930%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	Transmission Accum. Depreciation		120,331,949	79.8930%	96,136,804	Page 219.25b
6	General Plant Accum. Depreciation	100.0000% (a)	27,388,406	79.8930%	21,881,419	Page 219.28b
7	Total (line 5+6)		147,720,355		118,018,223	
<u>Transmission Accumulated Deferred Taxes</u>						
8	Accumulated Deferred Taxes (281-283)	98.4299% (c)	(65,701,065)	79.8930%	(52,490,552)	Page 113.63d
9	Accumulated Deferred Taxes (190)	98.4299% (c)	0	79.8930%	0	Page 111.82d
10	Total (line 8+9)		(65,701,065)		(52,490,552)	
11	Transmission loss on Reacquired Debt	98.4299% (c)	0	79.8930%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	FAS 106	100.0000% (a)	0	79.8930%	0	Page 232.30e
13	FAS 109	98.4299% (c)	0	79.8930%	0	Page 232.21&23
14	Other Regulatory Liabilities (254.DK)	98.4299% (c)	0	79.8930%	0	Page 278.1e
15	Total (line 12+13+14)		0		0	
16	Transmission Prepayments	100.0000% (a)	1,984,591	79.8930%	1,585,549	Page 111.57c
17	Transmission Materials and Supplies		8,412,473	79.8930%	6,720,977	Page 227.8c
18	Cash Working Capital					
19	Operation & Maintenance Expense				7,027,795	Worksheet 1, Li
20	Administrative & General Expense				6,358,397	Worksheet 1, Li
21	Transmission Support Expense				952,867	Worksheet 1, Li
22	Subtotal (line 19+20+21)				14,339,059	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				1,792,382	

(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

(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	17,910,954		17,910,954	79.8930%	14,309,598	Page 336.7b
2	6,336,255	100.0000% (a)	6,336,255	79.8930%	5,062,224	Page 336.10b
3			24,247,209		19,371,822	
4	0	98.4299% (c)	0	79.8930%	0	Page 117.64c
5		98.4299% (c)	0	79.8930%	0	Page 266.8f
<u>Property Taxes *</u>						
6	9,079,226	98.4299% (c)	9,079,226	79.8930%	7,253,666	Page 262-263 FN.1-2
7			0	79.8930%	0	Page 262-263 FN.1-2
8			9,079,226		7,253,666	
<u>Transmission Operation and Maintenance</u>						
9	12,593,899		12,593,899	79.8930%	10,061,644	Page 321.112b
10	526,386		526,386	79.8930%	420,546	Page 321.96b
11	3,232,029		3,232,029	79.8930%	2,582,165	Page 321.84 - 88b
12	38,975		38,975	79.8930%	31,138	Page 321.93b & .98b
13	8,796,509		8,796,509		7,027,795	
<u>Transmission Administrative and General</u>						
14	7,978,937					Page 323.197b
15	766,195					Page 323.185b
16	283,058					Page 323.189b
17	243,373					Page 323.191b
18	6,686,311	100.0000% (a)	6,686,311	79.8930%	5,341,894	
19	766,195	98.4299% (c)	754,165	79.8930%	602,525	
20	283,058	98.4299% (c)	278,614	79.8930%	222,593	
21	243,373	98.4299% (c)	239,552	79.8930%	191,385	
22	7,978,937		7,958,642		6,358,397	
23	1,093,283	100.0000% (a)	1,093,283	79.8930%	873,457	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	6,905
FICA	992,545
Medicare	0
CT Unemployment	0
MA Unemployment	0
MA Universal Health	0
VT Unemployment	93,833
NH Unemployment	0
Total	1,093,283 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	657,931,162	NEPOOL Catalog
2	Total Transmission Investment	823,515,238	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	79.8930%	
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	6,003,015	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)	6,003,015	
7	Total Wages and Salaries	9,346,572	Page 354.28b
8	Administrative and General Wages and Salaries	3,343,557	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)	6,003,015	
11	Percent Allocation (Line 6/Line 10)	100.0000%	
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	823,515,238	Page 207.58g
13	<i>plus Transmission-Related General Plant (Line 2 of Wkst. 3)</i>	125,362,218	Page 207.99g
14	<i>= Revised Numerator (Line 12 + Line 13)</i>	948,877,456	
15	Total Plant in Service	964,013,521	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	98.4299%	

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]		42,096
	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			8,112
	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			235,773
	Comerford 115 kV Substation			38,975
	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]		563,407
	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)		61,489
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	952,867

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:	May 13, 2013
Revenue Requirements for (year):	Calendar Year 2012 \$ 11,444,265
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 =	10,451,702 (a)	0 (f)
Total of Attachment F - Section J - Support Revenue	0 (b)	(g)
Total of Attachment F - Section K - Support Expense	952,867 (c)	(h)
Total of Attachment F - Section (L through O)	39,697 (d)	0 (i)
Sub Total - Sum (A through I) - J + K + (L through O)	11,444,265 (e)=(a)-(b)+(c)+(d)	- (j)

Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 11,444,265 (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 11,444,265 (l)=(k)+(b)+(g)-(h)

VT TRANSCO
Annual Revenue Requirements of PTF Facilities
for costs in 2012

PTF Revenue Requirements
Worksheet 1 of 8

Shading denotes an input

		Attachment F		
Line N		Reference	Total	Reference
<u>I. INVESTMENT BASE</u>				
		<i>Section:</i>		
1	Transmission Plant	(A)(1)(a)	60,359,358	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	9,188,424	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)		69,547,782	
5	Accumulated Depreciation	(A)(1)(d)	10,827,163	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	4,815,560	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)		53,905,059	
10	Prepayments	(A)(1)(h)	145,461	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	616,592	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	272,617	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		54,939,729	
<u>II. REVENUE REQUIREMENTS</u>				
14	Investment Return and Income Taxes	(A)	6,700,840	Worksheet 2
15	Depreciation Expense	(B)	1,777,199	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)	665,462	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	80,132	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	644,740	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	583,329	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)	952,867	Worksheet 7
25	Transmission Related Expense from Generators	(L)	0	Worksheet 7
26	Transmission Related Taxes and Fees Charge	(M)	46,957	Gross Revenue Tax
27	Revenue for ST Trans. Service Under NEPOOL Tar	(N)	(5,853)	Schedule 8 TOUT Revenues
28	Transmission Rents Received from Electric Property	(O)	(1,407)	Rev Rent 4000-454122
29	Total Revenue Requirements (Line 14 thru 28)		11,444,265	

VT TRANSCO
Annual Revenue Requirements
for costs in 2012

Shading denotes an input

	CAPITALIZATION 12/31/12		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF EQUITY CAPITAL PORTION
LONG-TERM DEBT	\$ 417,483,000	Page 112.24c	49.53%	4.96%	2.46%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	425,460,206	Page 112.16c	50.48%	11.64%	5.88%
TOTAL INVESTMENT	\$ 842,943,206		100.01%		8.34% 5.88%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0834

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

=
$$\frac{0.0588 + \left(\frac{0 + 0}{54,939,729} \right) \times 0.34}{1 - 0.34}$$

= 0.0302909

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

=
$$\frac{0.0588 + \left(\frac{0 + 0}{54,939,729} \right) \times 0.0302909}{1 - 0.085} \times 0.085$$

= 0.0082762

(a)+(b)+(c) **Cost of C** = 0.1219671

(PTF)

INVESTMENT BASE \$ 54,939,729 From Worksheet 1

x Cost of Capital Rate 0.1219671

= Investment Return and Interest 6,700,840 To Worksheet 1

VT TRANSCO

PTF Revenue Requirements
Worksheet 3 of 8

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	823,515,238		823,515,238		60,359,358	Line 1, Workshe
2	125,362,218	100.0000% (a	125,362,218	7.3295%	9,188,424	Page 207.99g
3	Total (line 1+2)		948,877,456		69,547,782	
4	Transmission Plant Held for Future U 0		0	7.3295%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	120,331,949		120,331,949	7.3295%	8,819,730	Page 219.25b
6	27,388,406	100.0000% (a	27,388,406	7.3295%	2,007,433	Page 219.28b
7	Total (line 5+6)		147,720,355		10,827,163	
<u>Transmission Accumulated Deferred Taxes</u>						
8	(66,749,093)	98.4299% (c	(65,701,065)	7.3295%	(4,815,560)	Page 113.63d
9	0	98.4299% (c	0	7.3295%	0	Page 111.82d
10	Total (line 8+9)		(65,701,065)		(4,815,560)	
11	Transmission loss on Reacquired De 0	98.4299% (c	0	7.3295%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a	0	7.3295%	0	Page 232.30e
13	0	98.4299% (c	0	7.3295%	0	Page 232.21&23
14	0	98.4299% (c	0	7.3295%	0	Page 278.1e
15	0		0		0	
16	1,984,591	100.0000% (a	1,984,591	7.3295%	145,461	Page 111.57c
17	8,412,473		8,412,473	7.3295%	616,592	Page 227.8c
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				644,740	Worksheet 1, Li
20	Administrative & General Expense				583,329	Worksheet 1, Li
21	Transmission Support Expense				952,867	Worksheet 1, Li
22	Subtotal (line 19+20+21)				2,180,936	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				272,617	

(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

(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	Transmission Depreciation		17,910,954	7.3295%	1,312,783	Page 336.7b
2	General Depreciation		6,336,255	7.3295%	464,416	Page 336.10b
3	Total (line 1+2)		24,247,209		1,777,199	
4	Amortization of Loss on Reacquired De	98.4299% (c)	0	7.3295%	0	Page 117.64c
5	Amortization of Investment Tax Credits	98.4299% (c)	0	7.3295%	0	Page 266.8f
<u>Property Taxes *</u>						
6	Transmission Property Taxes	98.4299% (c)	9,079,226	7.3295%	665,462	Page 262-263 FN.1-2
7	General Property Taxes		0	7.3295%	0	Page 262-263 FN.1-2
8	Total (line 6+7)		9,079,226		665,462	
<u>Transmission Operation and Maintenance</u>						
9	Operation and Maintenance		12,593,899	7.3295%	923,070	Page 321.112b
10	Transmission of Electricity by Others - #		526,386	7.3295%	38,581	Page 321.96b
11	Load Dispatching - #561.1-561.4		3,232,029	7.3295%	236,892	Page 321.84 - 88b
12	**Station Expenses & Rents - #562 / #567		38,975	7.3295%	2,857	Page 321.93b & .98b
13	O&M less lines 10, 11 & 12		8,796,509		644,740	
<u>Transmission Administrative and General</u>						
14	Administrative and General		7,978,937			Page 323.197b
15	less Property Insurance (#924)		766,195			Page 323.185b
16	less Regulatory Commission Expenses (#928)		283,058			Page 323.189b
17	less General Advertising Expense (#930.1)		243,373			Page 323.191b
18	Subtotal [line 14 minus (15 thru 17)]	100.0000% (a)	6,686,311	7.3295%	490,073	
19	PLUS Property Insurance alloc. using Plant Allocation	98.4299% (c)	754,165	7.3295%	55,277	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	98.4299% (c)	278,614	7.3295%	20,421	
21	PLUS Trans. Related General Advertising Expense	98.4299% (c)	239,552	7.3295%	17,558	
22	Total A&G [line 18 plus (19 thru 21)]		7,958,642		583,329	
23	Payroll Tax Expense	100.0000% (a)	1,093,283	7.3295%	80,132	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	6,905
FICA	992,545
Medicare	0
CT Unemployment	0
MA Unemployment	0
MA Universal Health	0
VT Unemployment	93,833
NH Unemployment	0
Total	1,093,283 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	60,359,358	NEPOOL Catalog Page 207.58g
2	Total Transmission Investment	823,515,238	
3	Percent Allocation (Line 1/Line 2)	7.3295%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	6,003,015	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)	6,003,015	
7	Total Wages and Salaries	9,346,572	Page 354.28b
8	Administrative and General Wages and Salaries	3,343,557	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 8)	6,003,015	
11	Percent Allocation (Line 6/Line 10)	100.0000%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	823,515,238	Page 207.58g
13	plus Transmission-Related General Plant (Line 2)	125,362,218	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	948,877,456	
15	Total Plant in Service	964,013,521	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	98.4299%	

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]		42,096
	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			8,112
	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			235,773
	Comerford 115 kV Substation			38,975
	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]		563,407
	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)		61,489
	UI Substations	330.1(n)		
	Black Pond	330.1(n)		
Total =			0	952,867

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, 2013
Revenue Requirements for (year):	Calendar Year 2012 \$ 105,565,196
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>0</u> (a)	<u>105,172,191</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></u> (d)	<u>393,005</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>0</u> (e)=(a)-(b)+(c)+(d)	<u>105,565,196</u> (j)

Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 105,565,196 (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 105,565,196 (l)=(k)+(b)+(g)-(h)

VT TRANSCO
Annual Revenue Requirements of PTF Facilities
for costs in 2012

PTF Revenue Requirements
Worksheet 1 of 8

Shading denotes an input

		Attachment F	
Line N		Reference	Reference
	<u>I. INVESTMENT BASE</u>	<u>Section:</u>	
1	Transmission Plant	(A)(1)(a)	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	Worksheet 3, line 2 column 5
3	Plant Held For Future Use	(A)(1)(c)	Worksheet 3, line 4 column 5
4	Total Plant (Lines 1+2+3)		
		597,571,803	90,967,213
		0	0
		688,539,016	
5	Accumulated Depreciation	(A)(1)(d)	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	Worksheet 3, line 10 column 5
7	Loss On Reacquired Debt	(A)(1)(f)	Worksheet 3, line 11 column 5
8	Other Regulatory Assets	(A)(1)(g)	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		
		107,191,060	47,674,992
		0	0
		0	0
		533,672,964	
10	Prepayments	(A)(1)(h)	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	Worksheet 3, line 23 column 5
		1,440,089	6,104,385
		1,519,766	
13	Total Investment Base (Line 9+10+11+12)		
		542,737,204	
	<u>II. REVENUE REQUIREMENTS</u>		
14	Investment Return and Income Taxes	(A)	Worksheet 2
	Investment Return and Income Taxes Post-2003 Incremental		Worksheet adder
15	Depreciation Expense	(B)	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)	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	Worksheet 7
23	Transmission Support Revenue	(J)	Worksheet 7
24	Transmission Support Expense	(K)	Worksheet 7
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 Tar	(N)	
28	Transmission Rents Received from Electric Property	(O)	
		66,196,084	1,841,832
		17,594,623	0
		0	0
		0	0
		6,588,204	793,324
		6,383,055	5,775,069
		0	0
		0	0
		0	0
		0	0
		464,880	57,949
		(57,949)	(13,926)
29	Total Revenue Requirements (Line 14 thru 28)		
		105,565,196	

VT TRANSCO
Annual Revenue Requirements
for costs in 2012

Shading denotes an input

	CAPITALIZATION 12/31/12		CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF EQUITY CAPITAL PORTION
LONG-TERM DEBT	\$ 417,483,000	Page 112.24c	49.53%	4.96%	2.46%
PREFERRED STOCK	0		0.00%	0.00%	0.00%
COMMON EQUITY	425,460,206	Page 112.16c	50.48%	11.64%	5.88%
TOTAL INVESTMENT	\$ 842,943,206		100.01%		8.34% 5.88%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0834

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right)}{1} \times \frac{\text{Federal Income Tax Rate}}{0.34}$$

=
$$\frac{0.0588 + \left(\frac{0 + 0}{542,737,204} \right)}{1} \times \frac{0.34}{0.34}$$

= 0.0302909

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right)}{1} + \frac{\text{Federal Income Tax}}{0.085} \times \text{State Income Tax Rate}$$

=
$$\frac{0.0588 + \left(\frac{0 + 0}{542,737,204} \right)}{1} + \frac{0.0302909}{0.085} \times 0.085$$

= 0.0082762

(a)+(b)+(c) **Cost of C** = 0.1219671

(PTF)

INVESTMENT BASE \$ 542,737,204 From Worksheet 1

x Cost of Capital Rate 0.1219671

= Investment Return and Interest 66,196,084 To Worksheet 1

VT TRANSCO
Annual Revenue Requirements
for costs in 2012

Shading denotes an input

	CAPITALIZATION 12/31/12	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 417,483,000	49.53%		0.00%	
PREFERRED STOCK	0	0.00%		0.00%	0.00%
COMMON EQUITY	425,460,206	50.48%	1.00%	0.50%	0.50%
TOTAL INVESTMENT RET	\$ 842,943,206	100.01%		0.50%	0.50%

Cost of Capital Rate=

(a) Weighted Cost of Capit = 0.0050

(b) Federal Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(1 + \frac{0 + 0}{222,454,212} \right) \times 0.34}$$

= 0.0025758

(c) State Income Tax =
$$\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax}}{\left(1 + \frac{0 + 0}{222,454,212} \right) + 0.085} \times \text{State Income Tax Rate}$$

= 0.0007038

(a)+(b)+(c) **Cost of Capita** = 0.0082796

(PTF)

Post-2003 INVESTMENT BASE	
PTF Transmission Plant	287,845,051
less Accum Depreciation Reserv	42,059,885
less Accum Deferred Taxes	(23,330,954)
Post-2003 INVESTMENT BASE	222,454,212

INVESTMENT BASE \$ 222,454,212 From Worksheet Post-2003

x Cost of Capital Rate 0.0082796

= Investment Return and Income 1,841,832 To Worksheet 1

VT TRANSCO
Annual Revenue Requirements of post-2003 PTF Incremental Return
for costs in 2012

RNS Rate

Worksheet 1b of 8

		(1) Total Transmission	(2) Post-2003 ¹ PTF	Total Transmission Reference
Line No.	I. <u>INVESTMENT BASE</u>			
1	Transmission Plant	823,515,238	287,845,051	Internal Plant Accounting
2	Accumulated Depreciation	120,331,949	42,059,885	Worksheet 3, line 5 column 1 + line 5A column 1
3	Accumulated Deferred Income Taxes	(66,749,093)	(23,330,954)	Worksheet 3, line 10 column 3
4	Other Regulatory Assets	0	-	Worksheet 3a, line 15 column 3
5	Net Investment (Line 1-2-3+4)	636,434,196	222,454,212	
	II. <u>INCREMENTAL RETURN</u>			
6	Incremental Revenue Requirements		1,841,832	Worksheet 2a
7	PTF Transmission Plant Allocation Factor		34.9532%	

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

PTF Revenue Requirements
Worksheet 3 of 8

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	823,515,238		823,515,238		597,571,803	Line 1, Workshe
2	125,362,218	100.0000% (a	125,362,218	72.5635%	90,967,213	Page 207.99g
3	Total (line 1+2)		948,877,456		688,539,016	
4	Transmission Plant Held for Future U 0		0	72.5635%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	120,331,949		120,331,949	72.5635%	87,317,074	Page 219.25b
6	27,388,406	100.0000% (a	27,388,406	72.5635%	19,873,986	Page 219.28b
7	Total (line 5+6)		147,720,355		107,191,060	
<u>Transmission Accumulated Deferred Taxes</u>						
8	(66,749,093)	98.4299% (c	(65,701,065)	72.5635%	(47,674,992)	Page 113.63d
9	0	98.4299% (c	0	72.5635%	0	Page 111.82d
10	Total (line 8+9)		(65,701,065)		(47,674,992)	
11	0	98.4299% (c	0	72.5635%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a	0	72.5635%	0	Page 232.30e
13	0	98.4299% (c	0	72.5635%	0	Page 232.21&23
14	0	98.4299% (c	0	72.5635%	0	Page 278.1e
15	0		0		0	
16	1,984,591	100.0000% (a	1,984,591	72.5635%	1,440,089	Page 111.57c
17	8,412,473		8,412,473	72.5635%	6,104,385	Page 227.8c
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				6,383,055	Worksheet 1, Li
20	Administrative & General Expense				5,775,069	Worksheet 1, Li
21	Transmission Support Expense				0	Worksheet 1, Li
22	Subtotal (line 19+20+21)				12,158,124	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				1,519,766	

(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

(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	Transmission Depreciation		17,910,954	72.5635%	12,996,815	Page 336.7b
2	General Depreciation		6,336,255	72.5635%	4,597,808	Page 336.10b
3	Total (line 1+2)		24,247,209		17,594,623	
4	Amortization of Loss on Reacquired De	0	98.4299% (c)	0	0	Page 117.64c
5	Amortization of Investment Tax Credits		98.4299% (c)	0	0	Page 266.8f
<u>Property Taxes *</u>						
6	Transmission Property Taxes	9,079,226	98.4299% (c)	9,079,226	6,588,204	Page 262-263 FN.1-2
7	General Property Taxes			0	0	Page 262-263 FN.1-2
8	Total (line 6+7)		9,079,226		6,588,204	
<u>Transmission Operation and Maintenance</u>						
9	Operation and Maintenance	12,593,899		12,593,899	9,138,574	Page 321.112b
10	Transmission of Electricity by Others - #	526,386		526,386	381,964	Page 321.96b
11	Load Dispatching - #561.1-561.4	3,232,029		3,232,029	2,345,273	Page 321.84 - 88b
12	**Station Expenses & Rents - #562 / #567	38,975		38,975	28,282	Page 321.93b & .98b
13	O&M less lines 10, 11 & 12	8,796,509		8,796,509	6,383,055	
<u>Transmission Administrative and General</u>						
14	Administrative and General	7,978,937				Page 323.197b
15	less Property Insurance (#924)	766,195				Page 323.185b
16	less Regulatory Commission Expenses (#928)	283,058				Page 323.189b
17	less General Advertising Expense (#930.1)	243,373				Page 323.191b
18	Subtotal [line 14 minus (15 thru 17)]	6,686,311	100.0000% (a)	6,686,311	4,851,821	
19	PLUS Property Insurance alloc. using Plant Allocation	766,195	98.4299% (c)	754,165	547,249	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	283,058	98.4299% (c)	278,614	202,172	
21	PLUS Trans. Related General Advertising Expense	243,373	98.4299% (c)	239,552	173,827	
22	Total A&G [line 18 plus (19 thru 21)]	7,978,937		7,958,642	5,775,069	
23	Payroll Tax Expense	1,093,283	100.0000% (a)	1,093,283	793,324	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	6,905
FICA	992,545
Medicare	0
CT Unemployment	0
MA Unemployment	0
MA Universal Health	0
VT Unemployment	93,833
NH Unemployment	0
Total	1,093,283 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	597,571,803	NEPOOL Catalog Page 207.58g
2	Total Transmission Investment	823,515,238	
3	Percent Allocation (Line 1/Line 2)	72.5635%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	6,003,015	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)	6,003,015	
7	Total Wages and Salaries	9,346,572	Page 354.28b
8	Administrative and General Wages and Salaries	3,343,557	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 8)	6,003,015	
11	Percent Allocation (Line 6/Line 10)	100.0000%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	823,515,238	Page 207.58g
13	plus Transmission-Related General Plant (Line 2)	125,362,218	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	948,877,456	
15	Total Plant in Service	964,013,521	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	98.4299%	

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 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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PREPARED FOR SETTLEMENT & ILLUSTRATIVE PURPOSES ONLY

VT TRANSCO
Forecasted Transmission Revenue Requirements of PTF Facilities

POST-1996

Shading denotes an input

I. <u>FORECASTED TRANSMISSION REVENUE REQUIREMENTS</u>		Attachment F Reference Section:	VELCO	Reference
Line No.	Period			
1	2013	Appendix C	\$57,600,000	
2		Appendix C	17.29%	
3			<u>\$9,960,023</u>	
II. <u>CARRYING CHARGE FACTOR</u>				
4		(A)	\$66,196,084	Summary, line 14
5		(B)	\$17,594,623	Summary, line 15
6		(C)	\$0	Summary, line 16
7		(D)	\$0	Summary, line 17
8		(E)	\$6,588,204	Summary, line 18
9		(F)	\$793,324	Summary, line 19
10		(G)	\$6,383,055	Summary, line 20
11		(H)	\$5,775,069	Summary, line 21
12			<u>\$103,330,359</u>	
13		(A)(1)(a)	<u>\$597,571,803</u>	Summary, line 1
14			<u>17.29%</u>	

VERMONT TRANSCO LLC
Forecasted Transmission Revenue Requirements of PTF Facilities
Calendar Year 2013

	Estimated Additional PTF In Service for 2013
Ascutney Substation	18,900,000
Bennington Substation	14,800,000
Reactor Additions	8,500,000
Line Structure Projects	7,000,000
K-41 Line Project	4,400,000
Other (Close Out costs)	4000000
	<hr/>
Total	57,600,000
	<hr/> <hr/>

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:	<u>May 13, 2013</u>	RTO ROE filing
Revenue Requirements for (year):	<u>Calendar Yr 2012 \$ 250,252</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>111,411</u> (a)	<u>138,842</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>111,410</u> (e)=(a)-(b)+(c)+(d)	<u>138,842</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>111,410</u> (n)=(e)+(l)	<u>138,842</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)	GMP Bennington-Searsburg Line	<u><u>250,252</u></u> (p)=(n)+(o)

Annual Revenue Requirements of PTF Facilities
for costs in 2012

PTF Revenue Requirements
Worksheet 1 of 8

PRE-97

Shading denotes an input

		Attachment F		
		Reference	Total	Reference
Line N	<u>I. INVESTMENT BASE</u>	<u>Section:</u>		
1	Transmission Plant	(A)(1)(a)	649,562	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	19,216	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)		668,778	
5	Accumulated Depreciation	(A)(1)(d)	264,833	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	100,299	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)	1,707	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		305,353	
10	Prepayments	(A)(1)(h)	4,299	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	39	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	5,286	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		314,977	
<u>II. REVENUE REQUIREMENTS</u>				
14	Investment Return and Income Taxes	(A)	40,842	Worksheet 2
15	Depreciation Expense	(B)	14,119	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)	(215)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	14,374	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	29,718	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	12,573	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 Tariff	(N)		
28	Transmission Rents Received from Electric Property	(O)		
29	Total Revenue Requirements (Line 14 thru 28)		111,411	

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 533,490,046	47.48%	5.77%	2.74%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	590,207,767	52.53%	11.64%	6.11%	6.11%
TOTAL INVESTMENT	\$ 1,123,697,813	100.01%		8.85%	6.11%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0885

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

$$= \frac{0.0611 + \frac{(215) + 0}{314,977}}{1 - 0.35} \times 0.35$$

$$= \underline{0.0325325}$$

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

$$= \frac{0.0611 + \frac{(215) + 0}{314,977} + 0.0325325}{1 - 0.085} \times 0.085$$

$$= \underline{0.0086347}$$

(a)+(b)+(c) **Cost of C** = 0.1296672

(PTF)

INVESTMENT BASE \$ 314,977 From Worksheet 1

x Cost of Capital Rate 0.1296672

= Investment Return and Interest 40,842 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	145,146,301		145,146,301		649,562	Line 1, Workshe
2	88,889,067	4.8308% (a	4,294,084	0.4475%	19,216	Page 207.99g
3	Total (line 1+2)		149,440,385		668,778	
4	Transmission Plant Held for Future Use		0	0.4475%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	Transmission Accum. Depreciation		57,400,264	0.4475%	256,866	Page 219.25b
6	General Plant Accum. Depreciation	4.8308% (a	1,780,394	0.4475%	7,967	Page 219.27b
7	Total (line 5+6)		59,180,658		264,833	
<u>Transmission Accumulated Deferred Taxes</u>						
8	Accumulated Deferred Taxes (281-283)	11.0507% (c)	27,737,322	0.4475%	124,125	Page 113.63d
9	Accumulated Deferred Taxes (190)	11.0507% (c)	(5,324,180)	0.4475%	(23,826)	Page 111.68d
10	Total (line 8+9)		22,413,142		100,299	
11	Transmission loss on Reacquired Debt	11.0507% (c)	0	0.4475%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	FAS 106	4.8308% (a	0	0.4475%	0	Page 232.30e
13	FAS 109	11.0507% (c)	512,260	0.4475%	2,292	Page 232.21&2:
14	Other Regulatory Liabilities (254.DK)	11.0507% (c)	(130,631)	0.4475%	(585)	Page 278.1e
15	Total (line 12+13+14)		381,629		1,707	
16	Transmission Prepayments	4.8308% (a	960,764	0.4475%	4,299	Page 111.57c
17	Transmission Materials and Supplies		8,627	0.4475%	39	Page 227.8c
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				29,718	Worksheet 1, Li
20	Administrative & General Expense				12,573	Worksheet 1, Li
21	Transmission Support Expense				0	Worksheet 1, Li
22	Subtotal (line 19+20+21)				42,291	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				5,286	

(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	FERC Form 1 Reference for col (1)
<u>Depreciation Expense</u>						
1	2,945,550		2,945,550	0.4475%	13,181	Page 336.7b
2	4,338,815	4.8308% (a)	209,601	0.4475%	938	Page 336.9b
3			3,155,151		14,119	
4	0	11.0507% (c)	0	0.4475%	0	Page 117.64c
5	434,489	11.0507% (c)	48,014	0.4475%	215	Page 266.8f
<u>Property Taxes *</u>						
6	20,225,002	11.0507% (c)	2,235,004	0.4475%	10,002	Page 262-263 FN.1-2
7	20,225,002	4.8308%	977,036	0.4475%	4,372	Page 262-263 FN.1-2
8			3,212,040		14,374	
<u>Transmission Operation and Maintenance</u>						
9	76,470,556		76,470,556	0.4475%	342,206	Page 321.112b
10	69,268,746		69,268,746	0.4475%	309,978	Page 321.96b
11	0		0	0.4475%	0	Page 321.84 - 88b
12	560,822		560,822	0.4475%	2,510	Page 321.93b & .98b
13	6,640,988		6,640,988		29,718	
<u>Transmission Administrative and General</u>						
14	53,505,328					Page 323.197b
15	1,568,565					Page 323.185b
16	2,074,543					Page 323.189b
17	40,039					Page 323.191b
18	49,822,181	4.8308% (a)	2,406,827	0.4475%	10,771	
19	1,568,565	11.0507% (c)	173,337	0.4475%	776	
20	2,074,543	11.0507% (c)	229,252	0.4475%	1,026	
21	0	11.0507% (c)	0	0.4475%	0	
22	53,465,289		2,809,416		12,573	
23		4.8308% (a)	0	0.4475%	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	17,139					
FICA	2,992,853					
Medicare	0					
CT Unemployment						
MA Unemployment						
MA Universal Health						
VT Unemployment	189,317					
NH Unemployment	0					
Total	3,199,309	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	145,146,301	
3	Percent Allocation (Line 1/Line 2)	0.4475%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,517,344	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)	1,517,344	
7	Total Wages and Salaries	47,450,904	Page 354.28b
8	Administrative and General Wages and Salaries	16,041,344	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)	31,409,560	
11	Percent Allocation (Line 6/Line 10)	4.8308%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	145,146,301	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>	145,146,301	
15	Total Plant in Service	1,313,456,508	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	11.0507%	

Annual Revenue Requirements of PTF Facilities
for costs in 2012

PTF Revenue Requirements
Worksheet 1 of 8

POST-96

Shading denotes an input

		Attachment F		
Line N		Reference	Total	Reference
	<u>I. INVESTMENT BASE</u>	<u>Section:</u>		
1	Transmission Plant	(A)(1)(a)	809,487	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	23,948	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)		833,435	
5	Accumulated Depreciation	(A)(1)(d)	330,050	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	124,998	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)	2,128	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		380,515	
10	Prepayments	(A)(1)(h)	5,358	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	48	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	6,588	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		392,509	
	<u>II. REVENUE REQUIREMENTS</u>			
14	Investment Return and Income Taxes	(A)	50,895	Worksheet 2
15	Depreciation Expense	(B)	17,596	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)	(268)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	17,914	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	37,036	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	15,669	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 Tariff	(N)		
28	Transmission Rents Received from Electric Property	(O)		
29	Total Revenue Requirements (Line 14 thru 28)		138,842	

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 533,490,046	47.48%	5.77%	2.74%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	590,207,767	52.53%	11.64%	6.11%	6.11%
TOTAL INVESTMENT	\$ 1,123,697,813	100.01%		8.85%	6.11%

Cost of Capital Rate=

(a) Weighted Cost of = 0.0885

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

=
$$\frac{0.0611 + \left(\frac{(268) + 0}{392,509} \right) \times 0.35}{\left(1 - 0.35 \right)}$$

= 0.0325323

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

=
$$\frac{0.0611 + \left(\frac{(268) + 0}{392,509} \right) + 0.0325323}{\left(1 - 0.085 \right)} \times 0.085$$

= 0.0086347

(a)+(b)+(c) **Cost of C** = 0.1296670

(PTF)

INVESTMENT BASE \$ 392,509 From Worksheet 1

x Cost of Capital Rate 0.1296670

= Investment Return and I 50,895 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	145,146,301		145,146,301		809,487	Line 1, Workshe
2	88,889,067	4.8308% (a	4,294,084	0.5577%	23,948	Page 207.99g
3	Total (line 1+2)		149,440,385		833,435	
4	Transmission Plant Held for Future Use		0	0.5577%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	Transmission Accum. Depreciation		57,400,264	0.5577%	320,121	Page 219.25b
6	General Plant Accum. Depreciation	4.8308% (a	1,780,394	0.5577%	9,929	Page 219.27b
7	Total (line 5+6)		59,180,658		330,050	
<u>Transmission Accumulated Deferred Taxes</u>						
8	Accumulated Deferred Taxes (281-283)	11.0507% (c)	27,737,322	0.5577%	154,691	Page 113.63d
9	Accumulated Deferred Taxes (190)	11.0507% (c)	(5,324,180)	0.5577%	(29,693)	Page 111.68d
10	Total (line 8+9)		22,413,142		124,998	
11	Transmission loss on Reacquired Debt	11.0507% (c)	0	0.5577%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	FAS 106	4.8308% (a	0	0.5577%	0	Page 232.30e
13	FAS 109	11.0507% (c)	512,260	0.5577%	2,857	Page 232.21&2
14	Other Regulatory Liabilities (254.DK)	11.0507% (c)	(130,631)	0.5577%	(729)	Page 278.1e
15	Total (line 12+13+14)		381,629		2,128	
16	Transmission Prepayments	4.8308% (a	960,764	0.5577%	5,358	Page 111.57c
17	Transmission Materials and Supplies		8,627	0.5577%	48	Page 227.8c
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				37,036	Worksheet 1, Li
20	Administrative & General Expense				15,669	Worksheet 1, Li
21	Transmission Support Expense				0	Worksheet 1, Li
22	Subtotal (line 19+20+21)				52,705	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				6,588	

(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	FERC Form 1 Reference for col (1)
<u>Depreciation Expense</u>						
1	2,945,550		2,945,550	0.5577%	16,427	Page 336.7b
2	4,338,815	4.8308% (a)	209,601	0.5577%	1,169	Page 336.10b
3			3,155,151		17,596	
4	0	11.0507% (c)	0	0.5577%	0	Page 117.64c
5	434,489	11.0507% (c)	48,014	0.5577%	268	Page 266.8f
<u>Property Taxes *</u>						
6	20,225,002	11.0507% (c)	2,235,004	0.5577%	12,465	Page 262-263 FN.1-2
7	20,225,002	4.8308%	977,036	0.5577%	5,449	Page 262-263 FN.1-2
8			3,212,040		17,914	
<u>Transmission Operation and Maintenance</u>						
9	76,470,556		76,470,556	0.5577%	426,476	Page 321.112b
10	69,268,746		69,268,746	0.5577%	386,312	Page 321.96b
11	0		0	0.5577%	0	Page 321.84 - 88b
12	560,822		560,822	0.5577%	3,128	Page 321.93b & .98b
13	6,640,988		6,640,988		37,036	
<u>Transmission Administrative and General</u>						
14	53,505,328					Page 323.197b
15	1,568,565					Page 323.185b
16	2,074,543					Page 323.189b
17	40,039					Page 323.191b
18	49,822,181	4.8308% (a)	2,406,827	0.5577%	13,423	
19	1,568,565	11.0507% (c)	173,337	0.5577%	967	
20	2,074,543	11.0507% (c)	229,252	0.5577%	1,279	
21	0	11.0507% (c)	0	0.5577%	0	
22	53,465,289		2,809,416		15,669	
23		4.8308% (a)	0	0.5577%	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	17,139					
FICA	2,992,853					
Medicare	0					
CT Unemployment						
MA Unemployment						
MA Universal Health						
VT Unemployment	189,317					
NH Unemployment	0					
Total	3,199,309	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	809,487	NEPOOL Catalog Page 207.58g
2	Total Transmission Investment	145,146,301	
3	Percent Allocation (Line 1/Line 2)	0.5577%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,517,344	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)	1,517,344	
7	Total Wages and Salaries	47,450,904	Page 354.28b
8	Administrative and General Wages and Salaries	16,041,344	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)	31,409,560	
11	Percent Allocation (Line 6/Line 10)	4.8308%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	145,146,301	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>	145,146,301	
15	Total Plant in Service	1,313,456,508	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	11.0507%	

**VERMONT TRANSCO LLC
ROLLFORWARD PTF INVESTMENT**

		Investment as of				Investment as of
		12/31/11	Additions	Retirements	Adjustments	12/31/12
SUBSTATIONS						
20S	Highgate Converter	35,313.29		129,867.36		165,180.65
24S	Jay Substation	0.00	5,509,980.08			5,509,980.08
28S	Charlotte Substation	906,335.88	2,235.26			908,571.14
30S	West Rutland	17,483,551.98	300,141.23			17,783,693.21
40S	Vermont Yankee Substation	13,350,076.83				13,350,076.83
44S	Vergennes Substation	4,456,822.98	29,153.79			4,485,976.77
45S	Ferrisburg	936,607.86	3,926.30		260,679.00	1,201,213.16
52S	Granite	85,240,222.02	475,397.36			85,715,619.38
53S	Shelburne Substation	759,189.19	3,971.36			763,160.55
54S	Coolidge 115/345 Kv	24,540,735.09	10,416,346.00	57,802.30		34,899,278.79
61S	St Albans	54,032.76	471.04			54,503.80
62S	Essex	22,477,032.52	97,175.24	27,645.00		22,546,562.76
63S	Barre	241,562.93	(5,126.03)			236,436.90
64S	East Ave Substation	4,240,088.99	24,610.26			4,264,699.25
65S	Middlesex Substation	810,957.02	12,677.16			823,634.18
66S	St Johnsbury	1,391,084.76	32,108.21		11,796.91	1,434,989.88
68S	Irasburg	883,463.71				883,463.71
69S	Queen City Substation	4,849,693.68	14,711.56			4,864,405.24
70S	Ascutney	588,062.83				588,062.83
71S	North Rutland	1,180,492.95	27,183.29	5,480.82		1,202,195.42
72S	Middlebury	1,194,800.13	69,390.91	62,575.73	48,372.46	1,249,987.77
73S	Bennington	2,882,173.20	(14,983.78)			2,867,189.42
74S	New Haven	29,090,895.75	615.41	133,594.78	(37,483.42)	28,920,432.96
75S	Chelsea	196,810.29	6,907.00	3,116.45		200,600.83
76S	Blissville	10,686,118.96				10,686,118.96
77S	Hartford	3,063,098.88				3,063,098.88
79S	Newfane	11,232,333.87	91,170.12			11,323,503.99
80S	Georgia	1,549,193.94				1,549,193.94
81S	St Albans	1,125,855.02				1,125,855.02
82S	Sandbar	8,748,418.95	32,774.56			8,781,193.51
83S	Williston	5,391,054.59	23,357.49			5,414,412.08
85S	Vernon Substation	42,871,913.42	861,738.20			43,733,651.62
86S	Lyndonville Substation	6,464,640.41	136,989.77			6,601,630.18
87S	Line Kiln Substation	7,705,230.60	290,052.73			7,995,283.33
88S	Georgia Substation	0.00	11,748,880.00			11,748,880.00
89S	Cold River	1,150,056.70	110,916.16	2,938.82		1,258,034.03
91S	Berlin	1,264,243.62	10,390.70			1,274,634.32
93S	Highgate	8,800,979.77			(853,517.87)	7,947,461.90
95S	South Hero	441,666.76	(10,843.53)			430,823.23
98S	GMP Taft Corner	5,108,281.74				5,108,281.74
101S	Duxbury Switching Station	574,953.84				574,953.84
		333,968,047.70	30,432,185.21	293,153.92	(570,152.92)	363,536,926.08
LINES						
	Bennington - Searsburg	1,459,049.00				1,459,049.00
04L	Bennington-Mass. State Ln	999,099.07				999,099.07
06L	Bennington-N.Y. State Ln	347,725.42	215,489.56	5,413.71		557,801.27
07L	Rutland-West Rutland	375,434.36				375,434.36
14L	Ascutney-NEES	90,789.76				90,789.76
17L	Ascutney-PSNH	69,342.11				69,342.11
18L	Vernon-Keene Tie	203,426.54	1,603.08			205,029.62
19L	Sandbar-Georgia	786,816.23	152,188.61	14,602.00		924,402.84
20L	Lk Champlain Cable Cross	1,008,452.99				1,008,452.99
21L	Georgia-Highgate	2,402,380.11	225,059.98	21,504.00		2,605,936.09
22L	Lake Champlain-Essex	4,682,231.82	243,961.30	5,172.52		4,921,020.60
23L	Essex-Middlebury	4,267,646.44				4,267,646.44
24L	Essex-Barre	1,698,239.90	18,286.37	1,577.66		1,714,948.61
25L	Essex-Burlington	17,085,208.51				17,085,208.51
26L	Barre-Wilder	3,320,866.69				3,320,866.69
27L	Essex-Georgia	1,524,897.30	162,508.60	5,181.73		1,682,224.22
28L	Barre-Cornetford	3,611,286.42				3,611,286.42
29L	St. Johnsbury-Littleton	831,735.75				831,735.75
30L	West Rutland-Middlebury	4,708,892.53				4,708,892.53
31L	Rutland-Ascutney	3,451,568.42	139,493.30	3,545.38		3,587,516.34
33L	Queen City Tap	2,003,227.09				2,003,227.09
35L	WEST RUTL MIDDLEBURY 345K	49,580,309.60	21,167.85			49,601,477.45
37L	Vernon-Scobie Tie	451,829.56	1,816.52			453,646.08
38L	Vernon-Northfield Tie	413,476.86	1,797.28			415,274.14
39L	St. Johnsbury-Irasburg	3,455,557.38				3,455,557.38
40L	Vernon-Coolidge	10,647,897.58	51,483.67			10,699,381.25
41L	Coolidge-West Rutland	8,464,011.58				8,464,011.58
42L	Richford-New Highgate 120	2,744,238.88	255,553.20			2,999,792.08
44L	NEWPORT-RICHFORD(120KV)	3,150,450.91	264,173.20	12,283.43	(656,109.93)	2,746,230.75
47L	Irasb to Moshers Tap 115k	4,553,701.20				4,553,701.20
48L	New Haven to Queen City	60,623,544.96	71,595.95			60,695,140.91
49L	Duxbury - Stowe	1,640,832.86	1,860.75			1,642,693.61
51L	Newfane - Vernon	36,162,958.97	372,554.10			36,535,513.07
52L	Newfane - Coolidge	54,420,521.23	545,957.30			54,966,478.53
53L	Vernon - VY	114,009.95	44,020.69			158,030.64
54L	Vernon - Vernon	1,461,330.96	13,351.00			1,474,681.96
L34	West Rutland - Whitehall	953,507.31	9,143.19	886.65		961,763.85
		293,766,496.30	2,813,065.50	70,167.08	(656,109.93)	295,853,284.79
TOTAL PTF Facilities		627,734,544.00	33,245,250.71	363,321.00	(1,226,262.85)	659,390,210.87

	Revenue Requirements Year End 2012
HIGHGATE JOINT OWNERS	
City of Burlington Electric Department	357,872
Vermont Electric Cooperative	227
Green Mountain Power Corporation	6,898,348
Vermont Public Power Supply Authority	261,719
Johnson	72,879
	7,591,044

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: May 16, 2013 RTO ROE filing

Revenue Requirements for (year): **Calendar Yr 2012 \$ 6,898,348**

Customer: **Green Mountain 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>3,611,560</u> (a)	<u>662,321</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>3,611,559</u> (e)=(a)-(b)+(c)+(d)	<u>662,321</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>2,624,468</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>3,611,559</u> (n)=(e)+(l)	<u>3,286,789</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>6,898,348</u> (p)=(n)+(o)

Annual Revenue Requirements of PTF Facilities for costs in 2012

PTF Revenue Requirements

Worksheet 1 of 8

Shading denotes an input

		Attachment F		
Line N		Reference	Total	Reference
<u>I. INVESTMENT BASE</u>				
		Section:		
1	Transmission Plant	(A)(1)(a)	21,056,261	Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	622,938	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)		21,679,199	
5	Accumulated Depreciation	(A)(1)(d)	8,585,279	Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	3,251,453	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)	55,362	Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		9,897,829	
10	Prepayments	(A)(1)(h)	139,377	Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	1,252	Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	171,370	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		10,209,828	

<u>II. REVENUE REQUIREMENTS</u>				
14	Investment Return and Income Taxes	(A)	1,323,882	Worksheet 2
15	Depreciation Expense	(B)	457,715	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)	(6,965)	Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	465,968	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	963,401	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	407,559	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)		3,611,560	

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 533,490,046	47.48%	5.77%	2.74%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	590,207,767	52.53%	11.64%	6.11%	6.11%
TOTAL INVESTMENT	\$ 1,123,697,813	100.01%		8.85%	6.11%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0885

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

=
$$\frac{0.0611 + \left(\frac{(6,965) + 0}{10,209,828} \right) \times 0.35}{\left(1 - 0.35 \right)}$$

= 0.0325327

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

=
$$\frac{0.0611 + \left(\frac{(6,965) + 0}{10,209,828} \right) + \frac{0.0325327}{0.085}}{\left(1 - 0.085 \right)} \times 0.085$$

= 0.0086347

(a)+(b)+(c) **Cost of Capital** = 0.1296674

(PTF)

INVESTMENT BASE \$ 10,209,828 From Worksheet 1

x Cost of Capital Rate 0.1296674

= Investment Return and Interest 1,323,882 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	145,146,301		145,146,301		21,056,261	Line 1, Worksheet 3 of 8
2	88,889,067	4.8308% (a)	4,294,084	14.5069%	622,938	Page 207.99g
3	Total (line 1+2)		149,440,385		21,679,199	
4	Transmission Plant Held for Future Use		0	14.5069%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	Transmission Accum. Depreciation		57,400,264	14.5069%	8,326,999	Page 219.25b
6	General Plant Accum. Depreciation	4.8308% (a)	1,780,394	14.5069%	258,280	Page 219.27b
7	Total (line 5+6)		59,180,658		8,585,279	
<u>Transmission Accumulated Deferred Taxes</u>						
8	Accumulated Deferred Taxes (281-283)	11.0507% (c)	27,737,322	14.5069%	4,023,826	Page 113.63d
9	Accumulated Deferred Taxes (190)	11.0507% (c)	(5,324,180)	14.5069%	(772,373)	Page 111.68d
10	Total (line 8+9)		22,413,142		3,251,453	
11	Transmission loss on Reacquired Debt	11.0507% (c)	0	14.5069%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	FAS 106	4.8308% (a)	0	14.5069%	0	Page 232.30e
13	FAS 109	11.0507% (c)	512,260	14.5069%	74,313	Page 232.21&22
14	Other Regulatory Liabilities (254.DK)	11.0507% (c)	(130,631)	14.5069%	(18,951)	Page 278.1e
15	Total (line 12+13+14)		381,629		55,362	
16	Transmission Prepayments	4.8308% (a)	960,764	14.5069%	139,377	Page 111.57c
17	Transmission Materials and Supplies		8,627	14.5069%	1,252	Page 227.8c
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				963,401	Worksheet 1, Line 1
20	Administrative & General Expense				407,559	Worksheet 1, Line 2
21	Transmission Support Expense				0	Worksheet 1, Line 3
22	Subtotal (line 19+20+21)				1,370,960	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				171,370	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

0

(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	2,945,550		2,945,550	14.5069%	427,308	Page 336.7b
2	4,338,815	4.8308% (a)	209,601	14.5069%	30,407	Page 336.9b
3			3,155,151		457,715	
4	0	11.0507% (c)	0	14.5069%	0	Page 117.64c
5	434,489	11.0507% (c)	48,014	14.5069%	6,965	Page 266.8f
<u>Property Taxes *</u>						
6	20,225,002	11.0507% (c)	2,235,004	14.5069%	324,230	Page 262-263 FN.1-2
7	20,225,002	4.8308%	977,036	14.5069%	141,738	Page 262-263 FN.1-2
8			3,212,040		465,968	
<u>Transmission Operation and Maintenance</u>						
9	76,470,556		76,470,556	14.5069%	11,093,507	Page 321.112b
10	69,268,746		69,268,746	14.5069%	10,048,748	Page 321.96b
11	0		0	14.5069%	0	Page 321.84 - 88b
12	560,822		560,822	14.5069%	81,358	Page 321.93b & .98b
13	6,640,988		6,640,988		963,401	
<u>Transmission Administrative and General</u>						
14	53,505,328					Page 323.197b
15	1,568,565					Page 323.185b
16	2,074,543					Page 323.189b
17	40,039					Page 323.191b
18	49,822,181	4.8308% (a)	2,406,827	14.5069%	349,156	
19	1,568,565	11.0507% (c)	173,337	14.5069%	25,146	
20	2,074,543	11.0507% (c)	229,252	14.5069%	33,257	
21	0	11.0507% (c)	0	14.5069%	0	
22	53,465,289		2,809,416		407,559	
23		4.8308% (a)	0	14.5069%	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	17,139	
FICA	2,992,853	
Medicare	0	
CT Unemployment		
MA Unemployment		
MA Universal Health		
VT Unemployment	189,317	
NH Unemployment	0	
Total	3,199,309	To Line 23

Shading denotes an input

Line
No.FERC Form 1
Reference**PTF Transmission Plant Allocation Factor**

1	PTF Transmission Investment	21,056,261	NEPOOL Catalog
2	Total Transmission Investment	145,146,301	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	14.5069%	

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	1,517,344	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)	1,517,344	
7	Total Wages and Salaries	47,450,904	Page 354.28b
8	Administrative and General Wages and Salaries	16,041,344	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)	31,409,560	
11	Percent Allocation (Line 6/Line 10)	4.8308%	

Plant Allocation Factor

12	Total Transmission Investment	145,146,301	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>	145,146,301	
15	Total Plant in Service	1,313,456,508	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	11.0507%	

Annual Revenue Requirements of PTF Facilities for costs in 2012

PTF Revenue Requirements

Worksheet 1 of 8

Shading denotes an input

		Attachment F	
Line N		Reference	Reference
I. INVESTMENT BASE		<i>Section:</i>	
1	Transmission Plant	(A)(1)(a)	3,861,499 Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	114,240 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)		3,975,739
5	Accumulated Depreciation	(A)(1)(d)	1,574,443 Worksheet 3, line 7 column 5
6	Accumulated Deferred Income Taxes	(A)(1)(e)	596,280 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)	10,153 Worksheet 3, line 14 column 5
9	Net Investment (Line 4-5-6+7+8)		1,815,169
10	Prepayments	(A)(1)(h)	25,560 Worksheet 3, line 15 column 5
11	Materials & Supplies	(A)(1)(i)	230 Worksheet 3, line 16 column 5
12	Cash Working Capital	(A)(1)(j)	31,427 Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		1,872,386

II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	242,788 Worksheet 2
15	Depreciation Expense	(B)	83,939 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)	(1,277) Worksheet 4, line 5 column 5
18	Property Tax Expense	(E)	85,453 Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0 Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	176,677 Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	74,741 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)		662,321

PRIVILEGED & CONFIDENTIAL
PREPARED FOR SETTLEMENT & ILLUSTRATIVE PURPOSES ONLY

Highgate Converter
Forecasted Transmission Revenue Requirements of PTF Facilities

POST-1996

Shading denotes an input

		Attachment F		
I. FORECASTED TRANSMISSION REVENUE REQUIREMENTS		Reference	VELCO	Reference
		Section:		
Line No.				
1	Forecasted Transmission Plant Additions	2013 Appendix C	\$15,301,311	
2	Carrying Charge Factor	Appendix C	17.15%	
3	Total Forecasted Revenue Requirements (Lines 1*2)		\$2,624,468	
II. CARRYING CHARGE FACTOR				
4	Investment Return and Income Taxes	(A)	\$242,788	Summary, line 14
5	Depreciation Expense	(B)	\$83,939	Summary, line 15
6	Amortization of Loss on Reacquired Debt	(C)	\$0	Summary, line 16
7	Investment Tax Credit	(D)	(\$1,277)	Summary, line 17
8	Property Tax Expense	(E)	\$85,453	Summary, line 18
9	Payroll Tax Expense	(F)	\$0	Summary, line 19
10	Operation & Maintenance Expense	(G)	\$176,677	Summary, line 20
11	Administrative & General Expense	(H)	\$74,741	Summary, line 21
12	Total Expenses (Lines 4 thru 11)		\$662,321	
13	PTF Transmission Plant	(A)(1)(a)	\$3,861,499	Summary, line 1
14	Carrying Charge Factor (Lines 12/13)		17.15%	

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 533,490,046	47.48%	5.77%	2.74%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	590,207,767	52.53%	11.64%	6.11%	6.11%
TOTAL INVESTMENT	\$ 1,123,697,813	100.01%		8.85%	6.11%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0885

$$\begin{aligned}
 \text{(b) Federal Income Tax Rate} &= \frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(1 - \text{Federal Income Tax Rate} \right)} \\
 &= \frac{0.0611 + \left(\frac{(1,277) + 0}{1,872,386} \right) \times 0.35}{\left(1 - 0.35 \right)} \\
 &= \underline{0.0325328}
 \end{aligned}$$

$$\begin{aligned}
 \text{(c) State Income Tax Rate} &= \frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}}}{\left(1 - \frac{\text{State Income Tax Rate}}{\text{State Income Tax Rate}} \right)} \times \text{State Income Tax Rate} \\
 &= \frac{0.0611 + \left(\frac{(1,277) + 0}{1,872,386} \right) + \frac{0.0325328}{0.085}}{\left(1 - 0.085 \right)} \times 0.085 \\
 &= \underline{0.0086348}
 \end{aligned}$$

(a)+(b)+(c) **Cost of Capital** = 0.1296676

	(PTF)	
INVESTMENT BASE	\$ 1,872,386	From Worksheet 1
x Cost of Capital Rate	0.1296676	
= Investment Return and Interest	<u>242,788</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	145,146,301		145,146,301		3,861,499	Line 1, Worksheet 1, Liabilities
2	88,889,067	4.8308% (a)	4,294,084	2.6604%	114,240	Page 207.99g
3	Total (line 1+2)		149,440,385		3,975,739	
4	<u>Transmission Plant Held for Future Use</u>		0	2.6604%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	57,400,264		57,400,264	2.6604%	1,527,077	Page 219.25b
6	36,854,795	4.8308% (a)	1,780,394	2.6604%	47,366	Page 219.27b
7	Total (line 5+6)		59,180,658		1,574,443	
<u>Transmission Accumulated Deferred Taxes</u>						
8	251,000,590	11.0507% (c)	27,737,322	2.6604%	737,924	Page 113.63d
9	(48,179,568)	11.0507% (c)	(5,324,180)	2.6604%	(141,644)	Page 111.68d
10	Total (line 8+9)		22,413,142		596,280	
11	<u>Transmission loss on Reacquired Debt</u>	11.0507% (c)	0	2.6604%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	FAS 106	4.8308% (a)	0	2.6604%	0	Page 232.30e
13	4,635,543	11.0507% (c)	512,260	2.6604%	13,628	Page 232.21&22
14	(1,182,102)	11.0507% (c)	(130,631)	2.6604%	(3,475)	Page 278.1e
15	3,453,441		381,629		10,153	
16	<u>Transmission Prepayments</u>	4.8308% (a)	960,764	2.6604%	25,560	Page 111.57c
17	<u>Transmission Materials and Supplies</u>		8,627	2.6604%	230	Page 227.8c
18	<u>Cash Working Capital</u>					
19	Operation & Maintenance Expense				176,677	Worksheet 1, Liabilities
20	Administrative & General Expense				74,741	Worksheet 1, Liabilities
21	Transmission Support Expense				0	Worksheet 1, Liabilities
22	Subtotal (line 19+20+21)				251,418	
23					0.125	x 45 / 360
24	Total (line 22 * line 23)				31,427	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

0

(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	2,945,550		2,945,550	2.6604%	78,363	Page 336.7b
2	4,338,815	4.8308% (a)	209,601	2.6604%	5,576	Page 336.10b
3			3,155,151		83,939	
4	0	11.0507% (c)	0	2.6604%	0	Page 117.64c
5	434,489	11.0507% (c)	48,014	2.6604%	1,277	Page 266.8f
<u>Property Taxes *</u>						
6	20,225,002	11.0507% (c)	2,235,004	2.6604%	59,460	Page 262-263 FN.1-2
7	20,225,002	4.8308%	977,036	2.6604%	25,993	Page 262-263 FN.1-2
8			3,212,040		85,453	
<u>Transmission Operation and Maintenance</u>						
9	76,470,556		76,470,556	2.6604%	2,034,423	Page 321.112b
10	69,268,746		69,268,746	2.6604%	1,842,826	Page 321.96b
11	0		0	2.6604%	0	Page 321.84 - 88b
12	560,822		560,822	2.6604%	14,920	Page 321.93b & .98b
13	6,640,988		6,640,988		176,677	
<u>Transmission Administrative and General</u>						
14	53,505,328					Page 323.197b
15	1,568,565					Page 323.185b
16	2,074,543					Page 323.189b
17	40,039					Page 323.191b
18	49,822,181	4.8308% (a)	2,406,827	2.6604%	64,031	
19	1,568,565	11.0507% (c)	173,337	2.6604%	4,611	
20	2,074,543	11.0507% (c)	229,252	2.6604%	6,099	
21	0	11.0507% (c)	0	2.6604%	0	
22	53,465,289		2,809,416		74,741	
23		4.8308% (a)	0	2.6604%	0	Footnote (d)
Payroll Tax Expense						
* 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						
	17,139					
Federal Unemployment	2,992,853					
FICA	0					
Medicare						
CT Unemployment						
MA Unemployment						
MA Universal Health						
VT Unemployment	189,317					
NH Unemployment	0					
Total	3,199,309	To Line 23				

Shading denotes an input

Line
No.FERC Form 1
Reference**PTF Transmission Plant Allocation Factor**

1	PTF Transmission Investment	3,861,499	NEPOOL Catalog
2	Total Transmission Investment	145,146,301	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	2.6604%	

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	1,517,344	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)	1,517,344	
7	Total Wages and Salaries	47,450,904	Page 354.28b
8	Administrative and General Wages and Salaries	16,041,344	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)	31,409,560	
11	Percent Allocation (Line 6/Line 10)	4.8308%	

Plant Allocation Factor

12	Total Transmission Investment	145,146,301	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)		Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	145,146,301	
15	Total Plant in Service	1,313,456,508	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	11.0507%	

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: May 16, 2013 RTO ROE filing

Revenue Requirements for (year): **Calendar Yr 2012 \$ 357,872**

Customer: **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>115,306</u> (a)	<u>225,906</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>115,305</u> (e)=(a)-(b)+(c)+(d)	<u>225,906</u> (j)
Forecasted Transmission Revenue Requirements (per Attachment C to Attachment F Implementation Rule)	<u>N/A</u>	<u>16,661</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>115,305</u> (n)=(e)+(l)	<u>242,567</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>357,872</u> (p)=(n)+(o)

Annual Revenue Requirements of PTF Facilities for costs in 2012

PTF Revenue Requirements

Worksheet 1 of 8

Shading denotes an input

		Attachment F	
Line N		Reference	Reference
I. INVESTMENT BASE		Total	
1	Transmission Plant	(A)(1)(a)	1,246,652 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)		1,246,652
5	Accumulated Depreciation	(A)(1)(d)	359,568 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)		887,084
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)	1,362 Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		888,446

II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	72,853 Worksheet 2
15	Depreciation Expense	(B)	31,282 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)	274 Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0 Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	9,586 Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	1,311 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)		115,306

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 69,736,560	53.50%	5.21%	2.79%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	60,605,137	46.51%	11.64%	5.41%	5.41%
TOTAL INVESTMENT	\$ 130,341,697	100.01%		8.20%	5.41%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0820

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

=
$$\frac{0.0541 + \left(\frac{0 + 0}{888,446} \right) \times 0}{\left(\frac{0.0541 + \left(\frac{0 + 0}{888,446} \right) \times 0}{1} \right) - 0} = \underline{0.0000000}$$

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

=
$$\frac{0.0541 + \left(\frac{0 + 0}{888,446} \right) + 0.0000000}{\left(\frac{0.0541 + \left(\frac{0 + 0}{888,446} \right) + 0.0000000}{1} \right) - 0} \times 0 = \underline{0.0000000}$$

(a)+(b)+(c) **Cost of Capital** = 0.0820000

(PTF)

INVESTMENT BASE \$ 888,446 From Worksheet 1

x Cost of Capital Rate 0.0820000

= Investment Return and Interest 72,853 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	2,416,151		2,416,151		1,246,652	Line 1, Worksheet 3
2	11,878,029	0.0000% (a)	0	20.6867%	0	Page 207.99g
3	14,294,180		2,416,151		1,246,652	
4	0		0	20.6867%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	1,738,160		1,738,160	20.6867%	359,568	Page 219.25b
6	6,851,201	0.0000% (a)	0	20.6867%	0	Page 219.27b
7	8,589,361		1,738,160		359,568	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	4.2326% (c)	0	20.6867%	0	Page 113.63d
9	0	4.2326% (c)	0	20.6867%	0	Page 111.68d
10			0		0	
11	0	4.2326% (c)	0	20.6867%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	20.6867%	0	Page 232.30e
13	0	4.2326% (c)	0	20.6867%	0	Page 232.21&22
14	0	4.2326% (c)	0	20.6867%	0	Page 278.1e
15	0		0		0	
16	0	0.0000% (a)	0	20.6867%	0	Page 111.57c
17	0		0	20.6867%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					9,586	Worksheet 1, Line 1
20					1,311	Worksheet 1, Line 1
21					0	Worksheet 1, Line 1
22					10,897	
23					0.125	x 45 / 360
24					1,362	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

0

(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	151,217		151,217	20.6867%	31,282	Page 336.7b
2	392,045	0.0000% (a)	0	20.6867%	0	Page 336.9b
3	543,262		151,217		31,282	
<u>Amortization of Loss on Recquired Debt</u>						
4	0	4.2326% (c)	0	20.6867%	0	Page 117.64c
<u>Amortization of Investment Tax Credits</u>						
5	0	4.2326% (c)	0	20.6867%	0	Page 266.8f
<u>Property Taxes *</u>						
6	31,263	4.2326% (c)	1,323	20.6867%	274	Page 262-263 FN.1-2
7	2,261,996	0.0000%	0	20.6867%	0	Page 262-263 FN.1-2
8	2,293,259		1,323		274	
<u>Transmission Operation and Maintenance</u>						
9	4,406,217		4,406,217	20.6867%	911,501	Page 321.112b
10	4,359,877		4,359,877	20.6867%	901,915	Page 321.96b
11	0		0	20.6867%	0	Page 321.84 - 88b
12	0		0	20.6867%	0	Page 321.93b & .98b
13	46,340		46,340		9,586	
<u>Transmission Administrative and General</u>						
14	2,898,884					Page 323.197b
15	143,678					Page 323.185b
16	6,092					Page 323.189b
17	0					Page 323.191b
18	2,749,114	0.0000% (a)	0	20.6867%	0	
19	143,678	4.2326% (c)	6,081	20.6867%	1,258	
20	6,092	4.2326% (c)	258	20.6867%	53	
21	0	4.2326% (c)	0	20.6867%	0	
22	2,898,884		6,339		1,311	
23		0.0000% (a)	0	20.6867%	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	558,572
FICA	129,200
Medicare	0
CT Unemployment	
MA Unemployment	
MA Universal Health	
VT Unemployment	0
NH Unemployment	0
Total	687,772 To Line 23

Shading denotes an input

Line
No.FERC Form 1
Reference**PTF Transmission Plant Allocation Factor**

1	PTF Transmission Investment	1,246,652	NEPOOL Catalog
2	Total Transmission Investment	6,026,331	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	20.6867%	

Transmission Wages and Salaries Allocation Factor

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	7,676,503	Page 354.28b
8	Administrative and General Wages and Salaries	1,402,162	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)	6,274,341	
11	Percent Allocation (Line 6/Line 10)	0.0000%	

Plant Allocation Factor

12	Total Transmission Investment	6,026,331	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)		Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	6,026,331	
15	Total Plant in Service	142,380,490	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	4.2326%	

Annual Revenue Requirements of PTF Facilities **for costs in 2012**

PTF Revenue Requirements

Worksheet 1 of 8

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)	2,440,681	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>2,440,681</u>	
5	Accumulated Depreciation	(A)(1)(d)	703,960	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>1,736,721</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)	<u>2,684</u>	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		<u><u>1,739,405</u></u>	

	II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	142,631	Worksheet 2
15	Depreciation Expense	(B)	61,243	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)	564	Worksheet 4, line 8 column 5
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5
20	Operation & Maintenance Expense	(G)	18,768	Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	2,700	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>225,906</u></u>	

PRIVILEGED & CONFIDENTIAL
PREPARED FOR SETTLEMENT & ILLUSTRATIVE PURPOSES ONLY
Highgate Converter
Forecasted Transmission Revenue Requirements of PTF Facilities

POST-1996

Shading denotes an input

I. <u>FORECASTED TRANSMISSION REVENUE REQUIREMENTS</u>			Attachment F Reference Period	Section:	VELCO	Referenc^
Line No.						
1	Forecasted Transmission Plant Additions	2013	Appendix C		\$180,000	
2	Carrying Charge Factor		Appendix C		9.26%	
3	Total Forecasted Revenue Requirements (Lines 1*2)				\$16,661	
II. <u>CARRYING CHARGE FACTOR</u>						
4	Investment Return and Income Taxes	(A)			\$142,631	Summary, line 14
5	Depreciation Expense	(B)			\$61,243	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)			\$564	Summary, line 18
9	Payroll Tax Expense	(F)			\$0	Summary, line 19
10	Operation & Maintenance Expense	(G)			\$18,768	Summary, line 20
11	Administrative & General Expense	(H)			\$2,700	Summary, line 21
12	Total Expenses (Lines 4 thru 11)				\$225,906	
13	PTF Transmission Plant	(A)(1)(a)			\$2,440,681	Summary, line 1
14	Carrying Charge Factor (Lines 12/13)				9.26%	

VERMONT TRANSCO LLC
Forecasted Transmission Revenue Requirements of PTF Facilities
Calendar Year 2013

Description	Estimated Additional PTF In Service for 2013
By Highgate Station	0
BED 7.7% share.	0
	0
FERC acct 3530	<u>180,000</u>
Total	<u><u>180,000</u></u>

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 69,736,560	53.50%	5.21%	2.79%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	60,605,137	46.51%	11.64%	5.41%	5.41%
TOTAL INVESTMENT	\$ 130,341,697	100.01%		8.20%	5.41%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0820

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

=
$$\frac{0.0541 + \left(\frac{0 + 0}{1,739,405} \right) \times 0}{\left(1 - 0 \right)}$$

= 0.0000000

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

=
$$\frac{0.0541 + \left(\frac{0 + 0}{1,739,405} \right) + 0.0000000}{\left(1 - 0 \right)} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital** = 0.0820000

(PTF)

INVESTMENT BASE \$ 1,739,405 From Worksheet 1

x Cost of Capital Rate 0.0820000

= Investment Return and Interest 142,631 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	3,610,180		3,610,180		2,440,681	Line 1, Worksheet 1, Liabilities
2	11,878,026	0.0000% (a)	0	40.5003%	0	Page 207.99g
3	15,488,206		3,610,180		2,440,681	
4	0		0	40.5003%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	1,738,160		1,738,160	40.5003%	703,960	Page 219.25b
6	6,851,201	0.0000% (a)	0	40.5003%	0	Page 219.27b
7	8,589,361		1,738,160		703,960	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	4.4514% (c)	0	40.5003%	0	Page 113.63d
9	0	4.4514% (c)	0	40.5003%	0	Page 111.68d
10			0		0	
11	0	4.4514% (c)	0	40.5003%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	40.5003%	0	Page 232.30e
13	0	4.4514% (c)	0	40.5003%	0	Page 232.21&22e
14	0	4.4514% (c)	0	40.5003%	0	Page 278.1e
15	0		0		0	
16	0	0.0000% (a)	0	40.5003%	0	Page 111.57c
17	0		0	40.5003%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					18,768	Worksheet 1, Liabilities
20					2,700	Worksheet 1, Liabilities
21					0	Worksheet 1, Liabilities
22					21,468	
23					0.125	x 45 / 360
24					2,684	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

0

(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 Transmission Depreciation	151,217		151,217	40.5003%	61,243	Page 336.7b
2 General Depreciation	392,045	0.0000% (a)	0	40.5003%	0	Page 336.9b
3 Total (line 1+2)	543,262		151,217		61,243	
Amortization of Loss on Reacquired Debt						
4	0	4.4514% (c)	0	40.5003%	0	Page 117.64c
Amortization of Investment Tax Credits						
5	0	4.4514% (c)	0	40.5003%	0	Page 266.8f
Property Taxes *						
6 Transmission Property Taxes	31,263	4.4514% (c)	1,392	40.5003%	564	Page 262-263 FN.1-2
7 General Property Taxes	2,261,996	0.0000%	0	40.5003%	0	Page 262-263 FN.1-2
8 Total (line 6+7)	2,293,259		1,392		564	
Transmission Operation and Maintenance						
9 Operation and Maintenance	4,406,217		4,406,217	40.5003%	1,784,531	Page 321.112b
10 Transmission of Electricity by Others - #565	4,359,877		4,359,877	40.5003%	1,765,763	Page 321.96b
11 Load Dispatching - #561	0		0	40.5003%	0	Page 321.84 - 88b
12 **Station Expenses & Rents - #562 / #567	0		0	40.5003%	0	Page 321.93b & .98b
13 O&M less lines 10, 11 & 12	46,340		46,340		18,768	
Transmission Administrative and General						
14 Administrative and General	2,898,884					Page 323.197b
15 less Property Insurance (#924)	143,678					Page 323.185b
16 less Regulatory Commission Expenses (#928)	6,092					Page 323.189b
17 less General Advertising Expense (#930.1)	0					Page 323.191b
18 Subtotal [line 14 minus (15 thru 17)]	2,749,114	0.0000% (a)	0	40.5003%	0	
19 PLUS Property Insurance alloc. using Plant Allocation	143,678	4.4514% (c)	6,396	40.5003%	2,590	
20 PLUS Regulatory Comm. Exp. (FERC Assessments)	6,092	4.4514% (c)	271	40.5003%	110	
21 PLUS Trans. Related General Advertising Expense	0	4.4514% (c)	0	40.5003%	0	
22 Total A&G [line 18 plus (19 thru 21)]	2,898,884		6,667		2,700	
23 Payroll Tax Expense		0.0000% (a)	0	40.5003%	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	558,572
FICA	129,200
Medicare	0
CT Unemployment	
MA Unemployment	
MA Universal Health	
VT Unemployment	0
NH Unemployment	0
Total	687,772

To Line 23

Shading denotes an input

Line
No.FERC Form 1
Reference**PTF Transmission Plant Allocation Factor**

1	PTF Transmission Investment	2,440,681	NEPOOL Catalog
2	Total Transmission Investment	6,026,331	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	40.5003%	

Transmission Wages and Salaries Allocation Factor

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	7,676,503	Page 354.28b
8	Administrative and General Wages and Salaries	1,402,162	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)	6,274,341	
11	Percent Allocation (Line 6/Line 10)	0.0000%	

Plant Allocation Factor

12	Total Transmission Investment	6,026,331	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 5)	311,599	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	6,337,930	
15	Total Plant in Service	142,380,490	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	4.4514%	

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: May 16, 2013 RTO ROE filing

Revenue Requirements for (year): Calendar Yr 2012 \$ 261,719

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:

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements	
Total of Attachment F - Sections A through I =	<u>35,273</u> (a)	<u>226,446</u> (f)	
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)	N/A for VPPSA
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u>0</u> (h)	N/A for VPPSA
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)	N/A for VPPSA
Sub Total - Sum (A through I) - J + K + (L through O)	<u>35,273</u> (e)=(a)-(b)+(c)+(d)	<u>226,446</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>261,719</u> (k) = (e) + (j)	

Annual Revenue Requirements of PTF Facilities for costs in 2012

PTF Revenue Requirements
Worksheet 1 of 8

Shading denotes an input

		Attachment F			
		Reference	Total	Reference	
Line N	I. INVESTMENT BASE	Section:			
1	Transmission Plant	(A)(1)(a)	410,226	Worksheet 3, line 1 column 5	
2	General Plant	(A)(1)(b)	11,879	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)		422,105		
5	Accumulated Depreciation	(A)(1)(d)	372,234	Worksheet 3, line 7 column 5	
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5	N/A for VPPSA
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5	N/A for VPPSA
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5	N/A for VPPSA
9	Net Investment (Line 4-5-6+7+8)		49,871		
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	N/A for VPPSA
12	Cash Working Capital	(A)(1)(j)	2,783	Worksheet 3, line 23 column 5	
13	Total Investment Base (Line 9+10+11+12)		52,654		
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	(A)	6,129	Worksheet 2	
15	Depreciation Expense	(B)	1,756	Worksheet 4, line 3 column 5	
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5	N/A for VPPSA
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5	N/A for VPPSA
18	Property Tax Expense	(E)	5,122	Worksheet 4, line 8 column 5	
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5	
20	Operation & Maintenance Expense	(G)	5,411	Worksheet 4, line 13 column 5	
21	Administrative & General Expense	(H)	16,855	Worksheet 4, line 16 column 5	
22	Transmission Related Integrated Facilities Charge	(I)	0		N/A for VPPSA
23	Transmission Support Revenue	(J)	0		N/A for VPPSA
24	Transmission Support Expense	(K)	0		N/A for VPPSA
25	Transmission Related Expense from Generators	(L)	0		N/A for VPPSA
26	Transmission Related Taxes and Fees Charge	(M)			N/A for VPPSA
27	Revenue for ST Trans. Service Under NEPOOL Ta	(N)			N/A for VPPSA
28	Transmission Rents Received from Electric Propert	(O)			N/A for VPPSA
29	Total Revenue Requirements (Line 14 thru 28)		35,273		

Vermont Public Power Supply Authority
Annual Revenue Requirements
for costs in 2012

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 0	0.00%	4.16%	0.00%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	657,320	100.00%	11.64%	11.64%	11.64%
TOTAL INVESTMENT	\$ 657,320	100.00%		11.64%	11.64%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.1164

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

=
$$\frac{0.1164 + \left(\frac{0 + 0}{52,654} \right) \times 0}{\left(1 + \frac{0 + 0}{52,654} \right) \times 0}$$

= 0.0000000

N/A for VPPSA

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

=
$$\frac{0.1164 + \left(\frac{0 + 0}{52,654} \right) + 0.0000000}{\left(1 + \frac{0 + 0}{52,654} \right) + 0} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital** = 0.1164000

(PTF)

INVESTMENT BASE \$ 52,654 From Worksheet 1

x Cost of Capital Rate 0.1164000

= Investment Return and In 6,129 To Worksheet 1

Vermont Public Power Supply Authority

PTF Revenue Requirements

Worksheet 3 of 8

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 (1)
<u>Transmission Plant</u>						
1	3,043,750		3,043,750		410,226	Line 1, Worksheet 5
2	88,136	100.0000% (a)	88,136	13.4777%	11,879	Page 207.99g
3	3,131,885		3,131,886		422,105	
4	0		0	13.4777%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	2,739,104		2,739,104	13.4777%	369,168	Page 219.25b
6	22,752	100.0000% (a)	22,752	13.4777%	3,066	Page 219.27b
7	2,761,857		2,761,856		372,234	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	100.0000% (c)	0	13.4777%	0	Page 113.63d
9	0	100.0000% (c)	0	13.4777%	0	Page 111.68d
10	0		0		0	
11	0	100.0000% (c)	0	13.4777%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a)	0	13.4777%	0	Page 232.30e
13	0	100.0000% (c)	0	13.4777%	0	Page 232.21&23e
14	0	100.0000% (c)	0	13.4777%	0	Page 278.1e
15	0		0		0	
16	0	100.0000% (a)	0	13.4777%	0	Page 111.57c
17	0		0	13.4777%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					5,411	Worksheet 1, Line 20
20					16,855	Worksheet 1, Line 21
21					0	Worksheet 1, Line 24
22					22,266	
23					0.125	x 45 / 360
24					2,783	

(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

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)	
<u>Depreciation Expense</u>							
1	12,186		12,186	13.4777%	1,642	Page 336.7b	
2	847	100.0000% (a)	847	13.4777%	114	Page 336.9b	
3	13,033		13,033		1,756		
4	0	100.0000% (c)	0	13.4777%	0	Page 117.64c	N/A for VPPSA
5	0	100.0000% (c)	0	13.4777%	0	Page 266.8f	N/A for VPPSA
<u>Property Taxes *</u>							
6	36,933	100.0000% (c)	36,933	13.4777%	4,978	Page 262-263 FN.1-2	
7	1,069	100.0000%	1,069	13.4777%	144	Page 262-263 FN.1-2	
8	38,003		38,002		5,122		
<u>Transmission Operation and Maintenance</u>							
9	40,152		40,152	13.4777%	5,411	Page 321.112b	
10	0		0	13.4777%	0	Page 321.96b	
11	0		0	13.4777%	0	Page 321.84 - 88b	
12	0		0	13.4777%	0	Page 321.93b & .98b	
13	40,152		40,152		5,411		
<u>Transmission Administrative and General</u>							
14	125,058					Page 323.197b	
15	19,732					Page 323.185b	
16	0					Page 323.189b	
17	0					Page 323.191b	
18	105,326	100.0000% (a)	105,326	13.4777%	14,196		
19	19,732	100.0000% (c)	19,732	13.4777%	2,659		
20	0	100.0000% (c)	0	13.4777%	0		
21	0	100.0000% (c)	0	13.4777%	0		
22	125,058		125,058		16,855		
23		100.0000% (a)	0	13.4777%	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							
	0						
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

Shading denotes an input

Line
No.

FERC Form 1
Reference

PTF Transmission Plant Allocation Factor

VPPSA

1	PTF Transmission Investment	410,226	NEPOOL Catalog
2	Total Transmission Investment	3,043,750	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	13.4777%	

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	1,457	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)	1,457	
7	Total Wages and Salaries	37,615	Page 354.28b
8	Administrative and General Wages and Salaries	36,158	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)	1,457	
11	Percent Allocation (Line 6/Line 10)	100.0000%	

Plant Allocation Factor

12	Total Transmission Investment	3,043,750	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 5)	88,136	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	3,131,885	
15	Total Plant in Service	3,131,885	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	100.0000%	

Vermont Public Power Supply Authority
Annual Revenue Requirements of PTF Facilities
for costs in 2012

PTF Revenue Requirements

Worksheet 1 of 8

Shading denotes an input

		Attachment F			
		Reference	Total	Reference	
Line N	I. INVESTMENT BASE	Section:			
1	Transmission Plant	(A)(1)(a)	2,633,524	Worksheet 3, line 1 column 5	
2	General Plant	(A)(1)(b)	76,257	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)		2,709,781		
5	Accumulated Depreciation	(A)(1)(d)	2,389,622	Worksheet 3, line 7 column 5	
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5	N/A for VPPSA
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5	N/A for VPPSA
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5	N/A for VPPSA
9	Net Investment (Line 4-5-6+7+8)		320,159		
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	N/A for VPPSA
12	Cash Working Capital	(A)(1)(j)	17,868	Worksheet 3, line 23 column 5	
13	Total Investment Base (Line 9+10+11+12)		338,027		
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	(A)	39,346	Worksheet 2	
15	Depreciation Expense	(B)	11,277	Worksheet 4, line 3 column 5	
16	Amortization of Loss on Reacquired Debt	(C)	0	Worksheet 4, line 4 column 5	N/A for VPPSA
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5	N/A for VPPSA
18	Property Tax Expense	(E)	32,880	Worksheet 4, line 8 column 5	
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5	
20	Operation & Maintenance Expense	(G)	34,740	Worksheet 4, line 13 column 5	
21	Administrative & General Expense	(H)	108,203	Worksheet 4, line 16 column 5	
22	Transmission Related Integrated Facilities Charge	(I)	0		N/A for VPPSA
23	Transmission Support Revenue	(J)	0		N/A for VPPSA
24	Transmission Support Expense	(K)	0		N/A for VPPSA
25	Transmission Related Expense from Generators	(L)	0		N/A for VPPSA
26	Transmission Related Taxes and Fees Charge	(M)			N/A for VPPSA
27	Revenue for ST Trans. Service Under NEPOOL Tariff	(N)			N/A for VPPSA
28	Transmission Rents Received from Electric Property	(O)			N/A for VPPSA
29	Total Revenue Requirements (Line 14 thru 28)		226,446		

Vermont Public Power Supply Authority
Annual Revenue Requirements
for costs in 2012

Shading denotes an input

	CAPITALIZATION 12/31/2012	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	657,320	100.00%	11.64%	11.64%	11.64%
TOTAL INVESTMENT	\$ 657,320	100.00%		11.64%	11.64%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.1164

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

=
$$\frac{0.1164 + \left(\frac{0 + 0}{338,027} \right) \times 0}{\left(\frac{0.1164 + \left(\frac{0 + 0}{338,027} \right) \times 0}{1} \right) - 0} = \underline{0.0000000}$$

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

=
$$\frac{0.1164 + \left(\frac{0 + 0}{338,027} \right) + 0.0000000}{\left(\frac{0.1164 + \left(\frac{0 + 0}{338,027} \right) + 0.0000000}{1} \right) - 0} \times 0 = \underline{0.0000000}$$

(a)+(b)+(c) **Cost of Capital** = 0.1164000

(PTF)

INVESTMENT BASE \$ 338,027 From Worksheet 1

x Cost of Capital Rate 0.1164000

= Investment Return and In 39,346 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	3,043,750		3,043,750		2,633,524	Line 1, Workshe
2	88,136	100.0000% (a	88,136	86.5223%	76,257	Page 207.99g
3	3,131,885		3,131,886		2,709,781	
4	0		0	86.5223%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	2,739,104		2,739,104	86.5223%	2,369,936	Page 219.25b
6	22,752	100.0000% (a	22,752	86.5223%	19,686	Page 219.27b
7	2,761,857		2,761,856		2,389,622	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	100.0000% (c)	0	86.5223%	0	Page 113.63d
9	0	100.0000% (c)	0	86.5223%	0	Page 111.68d
10	0		0		0	
11	0	100.0000% (c)	0	86.5223%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a	0	86.5223%	0	Page 232.30e
13	0	100.0000% (c)	0	86.5223%	0	Page 232.21&23
14	0	100.0000% (c)	0	86.5223%	0	Page 278.1e
15	0		0		0	
16	0	100.0000% (a	0	86.5223%	0	Page 111.57c
17	0		0	86.5223%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					34,740	Worksheet 1, Lin
20					108,203	Worksheet 1, Lin
21					0	Worksheet 1, Lin
22					142,943	
23					0.125	x 45 / 360
24					17,868	

(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

Shading denotes an input		(2)	(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)
<u>Depreciation Expense</u>							
1	Transmission Depreciation	12,186		12,186	86.5223%	10,544	Page 336.7b
2	General Depreciation	847	100.0000% (a)	847	86.5223%	733	Page 336.9b
3	Total (line 1+2)	13,033		13,033		11,277	
<u>Amortization of Loss on Reacquired Debt</u>							
4		0	100.0000% (c)	0	86.5223%	0	Page 117.64c
<u>Amortization of Investment Tax Credits</u>							
5		0	100.0000% (c)	0	86.5223%	0	Page 266.8f
<u>Property Taxes *</u>							
6	Transmission Property Taxes	36,933	100.0000% (c)	36,933	86.5223%	31,955	Page 262-263 FN.1-2
7	General Property Taxes	1,069	100.0000%	1,069	86.5223%	925	Page 262-263 FN.1-2
8	Total (line 6+7)	38,003		38,002		32,880	
<u>Transmission Operation and Maintenance</u>							
9	Operation and Maintenance	40,152		40,152	86.5223%	34,740	Page 321.112b
10	Transmission of Electricity by Others - #565	0		0	86.5223%	0	Page 321.96b
11	Load Dispatching - #561	0		0	86.5223%	0	Page 321.84 - 88b
12	**Station Expenses & Rents - #562 / #567	0		0	86.5223%	0	Page 321.93b & .98b
13	O&M less lines 10, 11 & 12	40,152		40,152		34,740	
<u>Transmission Administrative and General</u>							
14	Administrative and General	125,058					Page 323.197b
15	less Property Insurance (#924)	19,732					Page 323.185b
16	less Regulatory Commission Expenses (#928)	0					Page 323.189b
17	less General Advertising Expense (#930.1)	0					Page 323.191b
18	Subtotal [line 14 minus (15 thru 17)]	105,326	100.0000% (a)	105,326	86.5223%	91,130	
19	PLUS Property Insurance alloc. using Plant Allocation	19,732	100.0000% (c)	19,732	86.5223%	17,073	
20	PLUS Regulatory Comm. Exp. (FERC Assessments)	0	100.0000% (c)	0	86.5223%	0	
21	PLUS Trans. Related General Advertising Expense	0	100.0000% (c)	0	86.5223%	0	
22	Total A&G [line 18 plus (19 thru 21)]	125,058		125,058		108,203	
23	Payroll Tax Expense		100.0000% (a)	0	86.5223%	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				

Shading denotes an input

Line No.			FERC Form 1 Reference
<u>PTF Transmission Plant Allocation Factor</u>		<u>VPPSA</u>	
1	PTF Transmission Investment	2,633,524	NEPOOL Catalog Page 207.58g
2	Total Transmission Investment	3,043,750	
3	Percent Allocation (Line 1/Line 2)	86.5223%	
<u>Transmission Wages and Salaries Allocation Factor</u>			
4	Direct Transmission Wages and Salaries	1,457	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)	1,457	N/A for VPPSA
7	Total Wages and Salaries	37,615	Page 354.28b Page 354.27b
8	Administrative and General Wages and Salaries	36,158	
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)	1,457	
11	Percent Allocation (Line 6/Line 10)	100.0000%	
<u>Plant Allocation Factor</u>			
12	Total Transmission Investment	3,043,750	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 3)	88,136	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	3,131,885	
15	Total Plant in Service	3,131,885	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	100.0000%	

<u>Transmission Plant</u>	Basis		A/D	Net
Pre-97	\$ 410,226.02	\$	340,670.75	\$ 69,555.27
Post-96	\$ 2,633,523.72	\$	2,398,433.58	\$ 235,090.14
Total	\$ 3,043,749.74	\$	2,739,104.33	\$ 304,645.41

<u>General Plant</u>				
Pre-97	\$ 3,013.87	\$	3,013.87	\$ -
Post-96	\$ 85,121.82	\$	19,738.51	\$ 65,383.31
Total	\$ 88,135.69	\$	22,752.38	\$ 65,383.31

Total	\$ 3,131,885.43	\$	2,761,856.71	\$ 370,028.72
-------	-----------------	----	--------------	---------------

\$ 369,010.89

\$ 1,017.83

Pre-97	\$ 413,239.89	\$	343,684.62	\$ 69,555.27
Post-96	\$ 2,718,645.54	\$	2,418,172.09	\$ 300,473.45
	\$ 3,131,885.43	\$	2,761,856.71	\$ 370,028.72

check	\$ -	\$ -	\$ -	\$ -
-------	------	------	------	------

\$ -

<u>CY Depreciation</u>	<u>Pre-97</u>	<u>Post-96</u>	<u>total</u>
Transmission	6.84	12179.09	12185.93
General	0	846.79	846.79
Total	6.84	13025.88	13032.72

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: May 16, 2013 RTO ROE filing

Revenue Requirements for (year): **Calendar Yr 2012 \$ 72,879**

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:

	Pre-97 Revenue Requirements	Post-96 Revenue Requirements	
Total of Attachment F - Sections A through I =	<u>72,879</u> (a)	<u>-</u> (f)	
Total of Attachment F - Section J - Support Revenue	<u>0</u> (b)	<u>0</u> (g)	N/A for Johnson
Total of Attachment F - Section K - Support Expense	<u>0</u> (c)	<u>0</u> (h)	N/A for Johnson
Total of Attachment F - Section (L through O)	<u>0</u> (d)	<u>0</u> (i)	N/A for Johnson
Sub Total - Sum (A through I) - J + K + (L through O)	<u>72,879</u> (e)=(a)-(b)+(c)+(d)	<u>-</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>72,879</u> (k) = (e) + (j)	

Annual Revenue Requirements of PTF Facilities for costs in 2012

PTF Revenue Requirements
Worksheet 1 of 8

Shading denotes an input

		Attachment F			
		Reference	Total	Reference	
Line N	I. INVESTMENT BASE	Section:			
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)	78,985	Worksheet 3, line 7 column 5	
6	Accumulated Deferred Income Taxes	(A)(1)(e)	0	Worksheet 3, line 10 column 5	N/A for Johnson
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5	N/A for Johnson
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5	N/A for Johnson
9	Net Investment (Line 4-5-6+7+8)		38,032		
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5	N/A for Johnson
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5	N/A for Johnson
12	Cash Working Capital	(A)(1)(j)	7,958	Worksheet 3, line 23 column 5	
13	Total Investment Base (Line 9+10+11+12)		45,990		
II. REVENUE REQUIREMENTS					
14	Investment Return and Income Taxes	(A)	4,548	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	N/A for Johnson
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5	N/A for Johnson
18	Property Tax Expense	(E)	1,746	Worksheet 4, line 8 column 5	
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5	N/A for Johnson
20	Operation & Maintenance Expense	(G)	62,661	Worksheet 4, line 13 column 5	
21	Administrative & General Expense	(H)	999	Worksheet 4, line 16 column 5	
22	Transmission Related Integrated Facilities Charge	(I)	0		N/A for Johnson
23	Transmission Support Revenue	(J)	0		N/A for Johnson
24	Transmission Support Expense	(K)	0		N/A for Johnson
25	Transmission Related Expense from Generators	(L)	0		N/A for Johnson
26	Transmission Related Taxes and Fees Charge	(M)			N/A for Johnson
27	Revenue for ST Trans. Service Under NEPOOL Ta	(N)			N/A for Johnson
28	Transmission Rents Received from Electric Propert	(O)			N/A for Johnson
29	Total Revenue Requirements (Line 14 thru 28)		72,879		

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 548,186	23.40%	4.16%	0.97%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	1,794,145	76.60%	11.64%	8.92%	8.92%
TOTAL INVESTMENT	\$ 2,342,331	100.00%		9.89%	8.92%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0989

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

=
$$\frac{0.0892 + \left(\frac{0 + 0 + 45,990}{1} \right) \times 0}{\left(\frac{0.0892 + \left(\frac{0 + 0 + 45,990}{1} \right) \times 0}{1} \right) - 0}$$

= 0.0000000

N/A for Johnson

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

=
$$\frac{0.0892 + \left(\frac{0 + 0 + 45,990}{1} \right) + 0.0000000}{\left(\frac{0.0892 + \left(\frac{0 + 0 + 45,990}{1} \right) + 0.0000000}{1} \right) - 0} \times 0$$

= 0.0000000

(a)+(b)+(c) **Cost of Capital** = 0.0989000

(PTF)

INVESTMENT BASE \$ 45,990 From Worksheet 1

x Cost of Capital Rate 0.0989000

= Investment Return and In 4,548 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	117,017		117,017		117,017	Line 1, Worksheet
2	0	100.0000% (a)	0	100.0000%	0	Page 207.99g
3	117,017		117,017		117,017	
4	0		0	100.0000%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	78,985		78,985	100.0000%	78,985	Page 219.25b
6	0	100.0000% (a)	0	100.0000%	0	Page 219.27b
7	78,985		78,985		78,985	
<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	
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&23
14	0	100.0000% (c)	0	100.0000%	0	Page 278.1e
15	0		0		0	
16	0	100.0000% (a)	0	100.0000%	0	Page 111.57c
17	0		0	100.0000%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					62,661	Worksheet 1, Lin
20					999	Worksheet 1, Lin
21					0	Worksheet 1, Lin
22					63,660	
23					0.125	x 45 / 360
24					7,958	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

0

(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 Transmission Depreciation	2,925		2,925	100.0000%	2,925	Page 336.7b
2 General Depreciation	0	100.0000% (a)	0	100.0000%	0	Page 336.9b
3 Total (line 1+2)	2,925		2,925		2,925	
<u>Amortization of Loss on Reacquired Debt</u>						
4	0	100.0000% (c)	0	100.0000%	0	Page 117.64c
<u>Amortization of Investment Tax Credits</u>						
5	0	100.0000% (c)	0	100.0000%	0	Page 266.8f
<u>Property Taxes *</u>						
6 Transmission Property Taxes	1,746	100.0000% (c)	1,746	100.0000%	1,746	Page 262-263 FN.1-2
7 General Property Taxes	0	100.0000%	0	100.0000%	0	Page 262-263 FN.1-2
8 Total (line 6+7)	1,746		1,746		1,746	
<u>Transmission Operation and Maintenance</u>						
9 Operation and Maintenance	62,661		62,661	100.0000%	62,661	Page 321.112b
10 Transmission of Electricity by Others - #565	0		0	100.0000%	0	Page 321.96b
11 Load Dispatching - #561	0		0	100.0000%	0	Page 321.84 - 88b
12 **Station Expenses & Rents - #562 / #567	0		0	100.0000%	0	Page 321.93b & .98b
13 O&M less lines 10, 11 & 12	62,661		62,661		62,661	
<u>Transmission Administrative and General</u>						
14 Administrative and General	999					Page 323.197b
15 less Property Insurance (#924)	779					Page 323.185b
16 less Regulatory Commission Expenses (#928)	0					Page 323.189b
17 less General Advertising Expense (#930.1)	0					Page 323.191b
18 Subtotal [line 14 minus (15 thru 17)]	220	100.0000% (a)	220	100.0000%	220	
19 PLUS Property Insurance alloc. using Plant Allocation	779	100.0000% (c)	779	100.0000%	779	
20 PLUS Regulatory Comm. Exp. (FERC Assessments)	0	100.0000% (c)	0	100.0000%	0	
21 PLUS Trans. Related General Advertising Expense	0	100.0000% (c)	0	100.0000%	0	
22 Total A&G [line 18 plus (19 thru 21)]	999		999		999	
23 Payroll Tax Expense		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

FICA

Medicare

CT Unemployment

MA Unemployment

MA Universal Health

VT Unemployment

NH Unemployment

Total 0 To Line 23

Shading denotes an input

Line
No.

FERC Form 1
Reference

PTF Transmission Plant Allocation Factor

Johnson

1	PTF Transmission Investment	117,017	NEPOOL Catalog
2	Total Transmission Investment	117,017	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	100.0000%	

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	67	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)	67	
7	Total Wages and Salaries	67	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)	67	
11	Percent Allocation (Line 6/Line 10)	100.0000%	

Plant Allocation Factor

12	Total Transmission Investment	117,017	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	117,017	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	100.0000%	

Annual Revenue Requirements of PTF Facilities **for costs in 2012**

PTF Revenue Requirements

Worksheet 1 of 8

Shading denotes an input

Attachment F

Line N		Reference	Total	Reference	
	I. INVESTMENT BASE	<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	N/A for Johnson
7	Loss On Reacquired Debt	(A)(1)(f)	0	Worksheet 3, line 11 column 5	N/A for Johnson
8	Other Regulatory Assets	(A)(1)(g)	0	Worksheet 3, line 14 column 5	N/A for Johnson
9	Net Investment (Line 4-5-6+7+8)		0		
10	Prepayments	(A)(1)(h)	0	Worksheet 3, line 15 column 5	N/A for Johnson
11	Materials & Supplies	(A)(1)(i)	0	Worksheet 3, line 16 column 5	N/A for Johnson
12	Cash Working Capital	(A)(1)(j)	0	Worksheet 3, line 23 column 5	
13	Total Investment Base (Line 9+10+11+12)		0		
	II. REVENUE REQUIREMENTS				
14	Investment Return and Income Taxes	(A)	0	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	N/A for Johnson
17	Investment Tax Credit	(D)	0	Worksheet 4, line 5 column 5	N/A for Johnson
18	Property Tax Expense	(E)	0	Worksheet 4, line 8 column 5	
19	Payroll Tax Expense	(F)	0	Worksheet 4, line 23 column 5	N/A for Johnson
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		N/A for Johnson
23	Transmission Support Revenue	(J)	0		N/A for Johnson
24	Transmission Support Expense	(K)	0		N/A for Johnson
25	Transmission Related Expense from Generators	(L)	0		N/A for Johnson
26	Transmission Related Taxes and Fees Charge	(M)			N/A for Johnson
27	Revenue for ST Trans. Service Under NEPOOL Tar	(N)			N/A for Johnson
28	Transmission Rents Received from Electric Property	(O)			N/A for Johnson
29	Total Revenue Requirements (Line 14 thru 28)		0		

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 548,186	23.40%	4.16%	0.97%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	1,794,145	76.60%	11.64%	8.92%	8.92%
TOTAL INVESTMENT	\$ 2,342,331	100.00%		9.89%	8.92%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0989

$$\begin{aligned}
 \text{(b) Federal Income Tax Rate} &= \frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) \times \text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}} \right)} \\
 &= \frac{0.0892 + \left(\frac{0 + 0}{0} \right) \times 0}{\left(\frac{0.0892 + \left(\frac{0 + 0}{0} \right) \times 0}{0} \right)} \\
 &= 0.0000000
 \end{aligned}$$

$$\begin{aligned}
 \text{(c) State Income Tax Rate} &= \frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax Rate}}{\left(\frac{\text{R.O.E.} + \left(\frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec}}{\text{PTF Inv. Base}} \right) + \text{Federal Income Tax Rate}}{\text{State Income Tax Rate}} \right)} \\
 &= \frac{0.0892 + \left(\frac{0 + 0}{0} \right) + 0.0000000}{\left(\frac{0.0892 + \left(\frac{0 + 0}{0} \right) + 0.0000000}{0} \right)} \\
 &= 0.0000000
 \end{aligned}$$

(a)+(b)+(c) **Cost of Capital** = 0.0989

$$\begin{aligned}
 &\text{INVESTMENT BASE} \quad \$ 0 \quad \text{From Worksheet 1} \\
 &\times \text{Cost of Capital Rate} \quad 0.0989000 \\
 &= \text{Investment Return and Interest} \quad 0 \quad \text{To Worksheet 1}
 \end{aligned}$$

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	117,017		117,017		0	Line 1, Worksheet 1, Page 207.99g
2	0	100.0000% (a)	0	0.0000%	0	
3	117,017		117,017		0	
4	0		0	0.0000%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	78,985		78,985	0.0000%	0	Page 219.25b
6	0	100.0000% (a)	0	0.0000%	0	Page 219.27b
7	78,985		78,985		0	
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	100.0000% (c)	0	0.0000%	0	Page 113.63d
9	0	100.0000% (c)	0	0.0000%	0	Page 111.68d
10	0		0		0	
11	0	100.0000% (c)	0	0.0000%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	100.0000% (a)	0	0.0000%	0	Page 232.30e
13	0	100.0000% (c)	0	0.0000%	0	Page 232.21&23
14	0	100.0000% (c)	0	0.0000%	0	Page 278.1e
15	0		0		0	
16	0	100.0000% (a)	0	0.0000%	0	Page 111.57c
17	0		0	0.0000%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					0	Worksheet 1, Line 1
20					0	Worksheet 1, Line 1
21					0	Worksheet 1, Line 1
22					0	
23					0.125	x 45 / 360
24					0	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

0

(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 Transmission Depreciation	2,925		2,925	0.0000%	0	Page 336.7b
2 General Depreciation	0	100.0000% (a)	0	0.0000%	0	Page 336.9b
3 Total (line 1+2)	2,925		2,925		0	
<u>Amortization of Loss on Reacquired Debt</u>						
4	0	100.0000% (c)	0	0.0000%	0	Page 117.64c
<u>Amortization of Investment Tax Credits</u>						
5	0	100.0000% (c)	0	0.0000%	0	Page 266.8f
<u>Property Taxes *</u>						
6 Transmission Property Taxes	1,746	100.0000% (c)	1,746	0.0000%	0	Page 262-263 FN.1-2
7 General Property Taxes	0	100.0000%	0	0.0000%	0	Page 262-263 FN.1-2
8 Total (line 6+7)	1,746		1,746		0	
<u>Transmission Operation and Maintenance</u>						
9 Operation and Maintenance	62,661		62,661	0.0000%	0	Page 321.112b
10 Transmission of Electricity by Others - #565	0		0	0.0000%	0	Page 321.96b
11 Load Dispatching - #561	0		0	0.0000%	0	Page 321.84 - 88b
12 **Station Expenses & Rents - #562 / #567	0		0	0.0000%	0	Page 321.93b & .98b
13 O&M less lines 10, 11 & 12	62,661		62,661		0	
<u>Transmission Administrative and General</u>						
14 Administrative and General	999					Page 323.197b
15 less Property Insurance (#924)	779					Page 323.185b
16 less Regulatory Commission Expenses (#928)	0					Page 323.189b
17 less General Advertising Expense (#930.1)	0					Page 323.191b
18 Subtotal [line 14 minus (15 thru 17)]	220	100.0000% (a)	220	0.0000%	0	
19 PLUS Property Insurance alloc. using Plant Allocation	779	100.0000% (c)	779	0.0000%	0	
20 PLUS Regulatory Comm. Exp. (FERC Assessments)	0	100.0000% (c)	0	0.0000%	0	
21 PLUS Trans. Related General Advertising Expense	0	100.0000% (c)	0	0.0000%	0	
22 Total A&G [line 18 plus (19 thru 21)]	999		999		0	
23 Payroll Tax Expense		100.0000% (a)	0	0.0000%	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

FICA

Medicare

CT Unemployment

MA Unemployment

MA Universal Health

VT Unemployment

NH Unemployment

Total 0 To Line 23

Shading denotes an input

Line No.	FERC Form 1 Reference
-------------	--------------------------

PTF Transmission Plant Allocation Factor

Johnson

1	PTF Transmission Investment	0	NEPOOL Catalog
2	Total Transmission Investment	117,017	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	0.0000%	

Transmission Wages and Salaries Allocation Factor

4	Direct Transmission Wages and Salaries	67	Page 354.21b	
5	Affiliated Company Transmission Wages and Salaries	0	Worksheet 6 & 6a of 8	N/A for Johnson
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	67		
7	Total Wages and Salaries	67	Page 354.28b	
8	Administrative and General Wages and Salaries	0	Page 354.27b	N/A for Johnson
9	Affiliated Company Wages and Salaries less A&G	0	Worksheet 6 & 6a of 8	N/A for Johnson
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	67		
11	Percent Allocation (Line 6/Line 10)	100.0000%		

Plant Allocation Factor

12	Total Transmission Investment	117,017	Page 207.58g
13	plus Transmission-Related General Plant (Line 2 of Wkst. 5)	0	Page 207.99g
14	= Revised Numerator (Line 12 + Line 13)	117,017	
15	Total Plant in Service	117,017	Page 207.104g
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: May 16, 2013 RTO ROE filing

Revenue Requirements for (year): Calendar Yr 2012 \$ 227

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>6,664</u> (a)	<u>8,384</u> (f)
Total of Attachment F - Section J - Support Revenue	<u>6,699</u> (b)	<u>9,019</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>327</u> (d)	<u>570</u> (i)
Sub Total - Sum (A through I) - J + K + (L through O)	<u>292</u> (e)=(a)-(b)+(c)+(d)	<u>(65)</u> (j)

Annual Revenue Requirement Total = Sum of Pre-97 Revenue Requirements
and Post-96 Revenue Requirements Subtotals for rate calculations under the Tariff: 227 (k) = (e) + (j)

Annual Revenue Requirements of PTF Facilities **for costs in 2012**

PTF Revenue Requirements

Worksheet 1 of 8

Shading denotes an input

		Attachment F	
Line N		Reference	Reference
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)	75 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)		47,759
5	Accumulated Depreciation	(A)(1)(d)	9,345 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)		38,414
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)	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		38,414

II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	3,077 Worksheet 2
15	Depreciation Expense	(B)	1,037 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)	994 Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	1,556 Worksheet 4, line 16 column 5
22	Transmission Related Integrated Facilities Charge	(I)	0
23	Transmission Support Revenue	(J)	(6,699)
24	Transmission Support Expense	(K)	0
25	Transmission Related Expense from Generators	(L)	0
26	Transmission Related Taxes and Fees Charge	(M)	327
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)		292

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 62,350,693	52.41%	4.71%	2.47%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	56,607,795	47.60%	11.64%	5.54%	5.54%
TOTAL INVESTMENT	\$ 118,958,488	100.01%		8.01%	5.54%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0801

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

=
$$\frac{0.0554 + \left(\frac{0 + 0}{38,414} \right) \times \text{N/A}}{1 + \left(\frac{0 + 0}{38,414} \right) \times \text{N/A}}$$

= **VEC is a Not-for-Profit Entity**

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

=
$$\frac{0.0554 + \left(\frac{0 + 0}{38,414} \right) + \text{N/A}}{1 + \left(\frac{0 + 0}{38,414} \right) + 0.085} \times 0.085$$

= **VEC is a Not-for-Profit Entity**

(a)+(b)+(c) **Cost of Capital** = 0.0801000

(PTF)

INVESTMENT BASE \$ 38,414 From Worksheet 1

x Cost of Capital Rate 0.0801000

= Investment Return and Interest 3,077 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	HTF Pre-97 per
2	N/A	0.0000% (a)		0.3242%	75	HTF Pre-97 per
3			14,708,796		47,759	
4	0		0	0.3242%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	2,565,606		2,565,606		9,272	Accum Deprec
6	N/A	0.0000% (a)		0.3242%	72	Accum Deprec
7			2,565,606		0	Page 219.27b
8	0		0	0.3242%	9,345	
9	0	0.0000% (c)	0	0.3242%	0	Page 113.63d
10			0		0	Page 111.68d
11	0	0.0000% (c)	0	0.3242%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a)	0	0.3242%	0	Page 232.30e
13	0	0.0000% (c)	0	0.3242%	0	Page 232.21&2
14	0	0.0000% (c)	0	0.3242%	0	Page 278.1e
15	0		0		0	
16	0	0.0000% (a)	0	0.3242%	0	Page 111.57c
17	0		0	0.3242%	0	Page 227.8c
<u>Cash Working Capital</u>						
19						Worksheet 1, Li
20						Worksheet 1, Li
21						Worksheet 1, Li
22					0	
23					0.125	x 45 / 360
24					0	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

0

(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	1,037		1,037	100.0000%	1,037	Page 336.7b
2		0.0000% (a)		0.3242%	0	Page 336.9b
3			1,037		1,037	
<u>Amortization of Loss on Recquired Debt</u>						
4	0	0.0000% (c)		0.3242%	0	Page 117.64c
<u>Amortization of Investment Tax Credits</u>						
5	N/A	0.0000% (c)		0.3242%	0	Page 266.8f
<u>Property Taxes *</u>						
6	Incl Ln 9	0.0000% (c)		0.3242%	Incl Ln 9	Page 262-263 FN.1-2
7	Incl Ln 9	0.0000%		0.3242%	Incl Ln 9	Page 262-263 FN.1-2
8			0			
<u>Transmission Operation and Maintenance</u>						
9	994			0.3242%	994	Per Books
10	0		0	0.3242%	-	Page 321.96b
11	0		0	0.3242%	-	Page 321.84 - 88b
12	0		0	0.3242%	-	Page 321.93b & .98b
13	994		0		994	
<u>Transmission Administrative and General</u>						
14	1,556				1,556	Per Books
15	0					Page 323.185b
16	0					Page 323.189b
17	0					Page 323.191b
18	1,556	0.0000% (a)		0.3242%	0	
19	0	0.0000% (c)	0	0.3242%	0	
20	0	0.0000% (c)	0	0.3242%	0	
21	0	0.0000% (c)	0	0.3242%	0	
22	1,556		0		1,556	
23		0.0000% (a)	0	0.3242%	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

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	47,685	NEPOOL Catalog
2	Total Transmission Investment	14,708,796	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	0.3242%	
	<u>Transmission Wages and Salaries Allocation Factor</u>		
4	Direct Transmission Wages and Salaries	N/A	Page 354.21b
5	Affiliated Company Transmission Wages and Salaries	N/A	Worksheet 6 & 6a of 8
6	Total Transmission Wages and Salaries (Line 4 + Line 5)	N/A	
7	Total Wages and Salaries	N/A	Page 354.28b
8	Administrative and General Wages and Salaries		Page 354.27b
9	Affiliated Company Wages and Salaries less A&G	N/A	Worksheet 6 & 6a of 8
10	Total Wages and Salaries net of A&G (Line 7 - 8 + 9)	N/A	
11	Percent Allocation (Line 6/Line 10)	0.0000%	
	<u>Plant Allocation Factor</u>		
12	Total Transmission Investment	14,708,796	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>	14,708,796	
15	Total Plant in Service	0	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	0.0000%	

Annual Revenue Requirements of PTF Facilities for costs in 2012

PTF Revenue Requirements

Worksheet 1 of 8

Shading denotes an input

		Attachment F	
Line N		Reference	Reference
I. INVESTMENT BASE		<i>Section:</i>	
1	Transmission Plant	(A)(1)(a)	49,669 Worksheet 3, line 1 column 5
2	General Plant	(A)(1)(b)	2,087 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)		51,756
5	Accumulated Depreciation	(A)(1)(d)	9,311 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)		42,445
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)	Worksheet 3, line 23 column 5
13	Total Investment Base (Line 9+10+11+12)		42,445

II. REVENUE REQUIREMENTS			
14	Investment Return and Income Taxes	(A)	3,400 Worksheet 2
15	Depreciation Expense	(B)	1,340 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)	1,957 Worksheet 4, line 13 column 5
21	Administrative & General Expense	(H)	1,686 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)	(9,018.55)
25	Transmission Related Expense from Generators	(L)	0
26	Transmission Related Taxes and Fees Charge	(M)	570
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)		(65)

**Annual Revenue Requirements
for costs in 2012**

Shading denotes an input

	CAPITALIZATION 12/31/2012	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION
LONG-TERM DEBT	\$ 62,350,693	52.41%	4.71%	2.47%	
PREFERRED STOCK	0	0.00%	0.00%	0.00%	0.00%
COMMON EQUITY	56,607,795	47.60%	11.64%	5.54%	5.54%
TOTAL INVESTMENT	\$ 118,958,488	100.01%		8.01%	5.54%

Cost of Capital Rate=

(a) Weighted Cost of Capital = 0.0801

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

=
$$\frac{0.0554 + \left(\frac{0 + 0 + 42,445}{1} \right) \times \text{N/A}}{\left(\frac{0.0554 + \left(\frac{0 + 0 + 42,445}{1} \right) \times \text{N/A}}{1} \right) - \text{N/A}}$$

VEC is a Not-for-Profit Entity

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

=
$$\frac{\left(\frac{0 + 0 + 0}{1} \right) + 0.000000}{\left(\frac{0 + 0 + 0}{1} \right) - \text{N/A}} \times \text{N/A}$$

VEC is a Not-for-Profit Entity

(a)+(b)+(c) **Cost of Capital** = 0.0801000

(PTF)

INVESTMENT BASE \$ 42,445 From Worksheet 1

x Cost of Capital Rate 0.0801000

= Investment Return and Interest 3,400 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		49,669	HTF Post-96 pe
2	0	0.0000% (a	0	0.3377%	2,087	HTF Post-96 pe
3			14,708,796		51,756	
4	0		0	0.3377%	0	Page 214.47d
<u>Transmission Accumulated Depreciation</u>						
5	2,565,606		2,565,606		9,272	Accum Deprec p
6	0	0.0000% (a	0	0.3377%	39	Accum Deprec p
7			2,565,606		0	Page 219.27b
<u>Transmission Accumulated Deferred Taxes</u>						
8	0	0.0000% (c)	0	0.3377%	0	Page 113.63d
9	0	0.0000% (c)	0	0.3377%	0	Page 111.68d
10			0		0	
11	0	0.0000% (c)	0	0.3377%	0	Page 111.81d
<u>Other Regulatory Assets</u>						
12	0	0.0000% (a	0	0.3377%	0	Page 232.30e
13	0	0.0000% (c)	0	0.3377%	0	Page 232.21&2
14	0	0.0000% (c)	0	0.3377%	0	Page 278.1e
15	0		0		0	
16	0	0.0000% (a	0	0.3377%	0	Page 111.57c
17	0		0	0.3377%	0	Page 227.8c
<u>Cash Working Capital</u>						
19					1,957	Worksheet 1, Li
20					1,686	Worksheet 1, Li
21					0	Worksheet 1, Li
22					3,643	
23					0.125	x 45 / 360
24					455	

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

0

(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	326,565		1,340	0.3377%	1,340	Page 336.7b
2	0	0.0000% (a)	0	0.3377%	0	Page 336.9b
3			1,340		1,340	
<u>Amortization of Loss on Recquired Debt</u>						
4	0	0.0000% (c)	0	0.3377%	0	Page 117.64c
<u>Amortization of Investment Tax Credits</u>						
5	0	0.0000% (c)	0	0.3377%	0	Page 266.8f
<u>Property Taxes *</u>						
6	0	0.0000% (c)	0	0.3377%	0	Page 262-263 FN.1-2
7	0	0.0000%	0	0.3377%	0	Page 262-263 FN.1-2
8			0		0	
<u>Transmission Operation and Maintenance</u>						
9	N/A		N/A		1,957	Per Books
10	0		0	0.3377%	-	Page 321.96b
11	0		0	0.3377%	-	Page 321.84 - 88b
12	0		0	0.3377%	-	Page 321.93b & .98b
13					1,957	
<u>Transmission Administrative and General</u>						
14	3,440,254				1,686	Per Books
15						Page 323.185b
16	0					Page 323.189b
17	0					Page 323.191b
18	3,440,254	0.0000% (a)	0	0.3377%	0	
19	0	0.0000% (c)	0	0.3377%	0	
20	0	0.0000% (c)	0	0.3377%	0	
21	0	0.0000% (c)	0	0.3377%	0	
22	3,440,254		0		1,686	
23		0.0000% (a)	0	0.3377%	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

Shading denotes an input

Line
No.FERC Form 1
Reference**PTF Transmission Plant Allocation Factor**

1	PTF Transmission Investment	49,669	NEPOOL Catalog
2	Total Transmission Investment	14,708,796	Page 207.58g
3	Percent Allocation (Line 1/Line 2)	<u>0.3377%</u>	

Transmission Wages and Salaries Allocation Factor

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>0.0000%</u>	

Plant Allocation Factor

12	Total Transmission Investment	14,708,796	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>	14,708,796	
15	Total Plant in Service	<u>0.0000%</u>	Page 207.104g
16	Percent Allocation (Line 14 / Line 15)	<u>0.0000%</u>	

Attachment 3

Summary of Forecasted Transmission Revenue Requirements Associated with Projected PTF and CWIP Additions for 2013

**June 1, 2013 RNS Rates
Regional Forecast Summary**

	(A)		(B)		(C)		(D) = (C) / Load
	Participating Transmission Owner		Total Estimated 2013 PTF Capital Costs (\$)		Forecasted PTF Revenue Requirement (\$)		6/1/13 RNS Rate Impact (\$/kW-yr.)
1	Bangor Hydro		\$ 29,061,250		\$ 4,439,124		0.21988
2	Central Maine Power		\$ 278,513,177		\$ 42,531,620		2.10665
3	Connecticut Transmission Municipal Electric Energy Cooperative		\$ 2,604,009		\$ 236,094		0.01169
4	New England Power		\$ 435,576,714		\$ 67,239,078		3.33044
5	New Hampshire Transmission		\$ 4,123,400		\$ 836,295		0.04142
6	Northeast Utilities		\$ 314,243,000		\$ 58,644,000		2.90471
7	NSTAR		\$ 171,257,000		\$ 23,770,472		1.17738
8	United Illuminating		\$ 61,675,000		\$ 12,355,802		0.61200
9	Vermont Transco		\$ 57,600,000		\$ 9,960,023		0.49333
10	All Remaining PTO's		\$ 24,035,102		\$ 3,652,450		0.18091
11	Total (Sum Line 1 -10)		\$ 1,378,688,652		\$ 223,664,958		11.07842
12	2012 RTO-NE 12 -CP RNS Load:				20,189,256	kW	

Attachment 4

Annual True-up Summary

**June 1, 2013 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 2011 Actual + 2012 Forecast (As Billed)	RNS Rev Req'ts 2012 Actual (For True-up)	Difference (overcollection), undercollection	Interest on Difference	Annual True Up and Associated Interest	6/1/13 RNS Rate Impact (\$/kW-yr.)
1	Bangor Hydro	\$ 50,811,056	\$ 47,119,824	\$ (3,691,232)	\$ (123,005)	\$ (3,814,237)	(0.18892)
2	Central Maine Power	\$ 182,518,087	\$ 180,317,014	\$ (2,201,072)	\$ (73,347)	\$ (2,274,419)	(0.11265)
3	Connecticut Transmission Municipal Electric Energy Cooperative	\$ 8,095,504	\$ 8,052,795	\$ (42,709)	\$ (1,425)	\$ (44,134)	(0.00219)
4	New England Power	\$ 262,803,159	\$ 251,533,527	\$ (11,269,632)	\$ (375,541)	\$ (11,645,173)	(0.57680)
5	New Hampshire Transmission	\$ 11,545,564	\$ 12,380,873	\$ 835,310	\$ 27,835	\$ 863,145	0.04275
6	Northeast Utilities	\$ 633,328,680	\$ 628,042,953	\$ (5,285,727)	\$ (176,140)	\$ (5,461,867)	(0.27053)
7	NSTAR	\$ 172,539,442	\$ 174,800,456	\$ 2,261,014	\$ 75,343	\$ 2,336,357	0.11572
8	United Illuminating	\$ 110,086,006	\$ 114,091,267	\$ 4,005,261	\$ 133,469	\$ 4,138,730	0.20500
9	Vermont Transco	\$ 120,970,424	\$ 117,259,714	\$ (3,710,709)	\$ (123,653)	\$ (3,834,362)	(0.18992)
10	All Remaining PTO's	\$ 11,177,497	\$ 12,206,152	\$ 1,028,655	\$ 33,517	\$ 1,062,170	0.05261
11	Total (Sum of Line 1-10)	<u>\$ 1,563,875,419</u>	<u>\$ 1,545,804,575</u>	<u>\$ (18,070,841)</u>	<u>\$ (602,947)</u>	<u>\$ (18,673,790)</u>	<u>(0.92493)</u>
12	2012 RTO-NE 12-CP RNS Load:		20,189,256	kW			

Attachment 5

**Schedule 1 Rates Effective June 1, 2013 – May 31, 2014
Based on 2012 Data**

SUMMARY

ISO NE Transmission, Markets & Services Tariff OATT Regional Schedule 1 - Scheduling System Control and Dispatch Service Rate Effective June 1, 2013 - May 31, 2014

1 Total of FERC account 561-561.4 (exclude ME, REMVEC, CONVEX /ESCC costs)	\$ 13,512,047	1
2 Less ISO & OATT Sch 1 costs included in above accounts	1,600,243	2
3 Sub-total (1-2)	11,911,804	3
4 Amount allocated to transmission function	11,911,804	4
5 Transmission related S&D costs from SCADA or other systems	6,716,142	5
6 Sub-total (4+5)	18,627,946	6
7 PTF allocation factors (see page 2 for details)	78.0276%	7
8 Sub-total after applying PTF allocation factors (from page 2)	14,534,946	8
9 Maine LCC costs	4,420,004	9
10 REMVEC II costs	1,190,022	10
11 CONVEX costs	15,508,561	11
12 Sub-total (9+10+11)	21,118,587	12
13 100% allocated to transmission function	21,118,587	13
14 Revenues credited for short-term Transmission Service	(1,382,513)	14
15 Total transmission related system & dispatch revenue requirement (8+13+14)	34,271,020	15
16 12 month CP LOAD (kW) as defined in section 46.1 of the ISO-NE Tariff	20,189,256	16
17 Long Term Firm PTP Capacity (kW)	-	17
18 Scheduling System Control and Dispatch Service Rate (\$/kW-YR): (15/(16+17))	\$ 1.69749	18

ISO NE Transmission, Markets & Services Tariff																				
OATT Regional Schedule 1 - Scheduling System Control and Dispatch Service Rate																				
Effective June 1, 2013 - May 31, 2014																				
(Reflecting 2012 Schedule 1 Costs)																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		16	
Customer #	DUNS	DUNS Name	Total of FERC act 561 - 561.4 (exclude ME, REMVEC, CONVEX/ESCC costs)	Less Reg Sch 1 & ISO costs included in Column 1 accounts	Sub-total (1+2)	100% allocated to transmission function	Transmission related S&D costs from SCADA or other Local Control Centers	Sub-total (4+5)	PTF Allocation Factor	Sub-total (6+7)	Maine LCC - PTF RELATED SCH 1 REV REQ'TS.	REMVEC II Costs	CONVEX/ESCC Costs	Sub-total (9+10+11)	100% allocated to transmission function	Revenues credited for short-term transmission service must be negative	TOTAL (8+13+14)		SCHEDULE 1 Revenue Allocation %	
1	2	00-694-9002	Bangor Hydro Electric Company	728,351	728,351	728,351		728,351	73.2443%	533,476	216,295			216,295	216,295	(7)	749,764	1	2.18775%	BH
2	5	17-057-1897	Braintree Electric Light Department								8,411	8,411			(310)		8,101	2	0.02364%	Braintree
3	6	00-694-8954	Central Maine Power Company									4,036,949		4,036,949	4,036,949	(146,078)	3,890,871	3	11.35324%	CMP
4	38	00-695-4317	Fitchburg Gas and Electric Light Company	122,120	110,910	11,210	11,210	11,210	21.4732%	2,407		9,829		9,829	9,829	(455)	11,781	4	0.03438%	FG&E
5	45	10-775-5126	Hudson Light & Power Department									6,034		6,034	6,034	(218)	5,816	5	0.01697%	Hudson
6	6	06-099-4258	Maine Electric Power Company	27,610		27,610	27,610	27,610	100.0000%	27,610	166,760			166,760	166,760	(8,176)	186,194	6	0.54330%	MEPCO
7	76	07-172-4900	Massachusetts Municipal Wholesale Electric									58,641		58,641	58,641	(2,115)	56,526	7	0.16494%	MMWEC
8	79	15-597-6665	Middleborough Gas & Electric Department									2,668		2,668	2,668	(96)	2,572	8	0.00750%	Middleboro
9	81	00-695-2881	New England Power Company	7,646,041		7,646,041	7,646,041	7,646,041	74.1716%	5,671,191		1,084,353		1,084,353	1,084,353	(301,954)	6,453,590	9	18.83104%	NGRID
10			Connecticut Light & Power Company	81,759		81,759	81,759	81,759	87.7508%	71,744			14,357,769	14,357,769	14,357,769	(556,934)	13,872,579	10	40.47904%	CL&P
11			Public Service of New Hampshire	144,700		144,700	144,700	144,700	92.5432%	133,910			1,123,415	1,123,415	1,123,415	(50,123)	1,207,202	11	3.52252%	PSNH
12			Western Massachusetts Electric Co.	26,408		26,408	26,408	26,408	93.8647%	24,788			27,377	27,377	27,377	(1,484)	50,681	12	0.14788%	WMECO
13	112	95-910-8929	Northeast Utilities	252,867	-	252,867	252,867	252,867		230,442			15,508,561	15,508,561	15,508,561	(608,541)	15,130,462	13	44.1944%	Total submitted by NU
14	3	00-695-1552	NSTAR Electric Company					6,716,142	6,716,142	81.5268%	5,475,456					(231,934)	5,243,552	14	15.30026%	NSTAR
15	148	86-703-4654	Reading Municipal Light Plant									8,848		8,848	8,848	(319)	8,529	15	0.02489%	Reading
16	153	04-661-6033	Taunton Municipal Light Plant									11,238		11,238	11,238	(405)	10,833	16	0.03161%	Taunton
17	181	00-691-7967	United Illuminating Company	13,696	1,489,333	13,696	13,696	13,696	89.0693%	12,199						(1,064)	11,135	17	0.03249%	UI
18	50853	78-039-9163	Vermont Transco LLC	3,232,029		3,232,029	3,232,029	3,232,029	79.8930%	2,582,165						(80,871)	2,501,294	18	7.29857%	VT Transco
19		TOTALS	\$ 13,512,047	\$ 1,600,243	\$ 11,911,804	\$ 11,911,804	\$ 6,716,142	\$ 18,627,946	78.0276%	\$ 14,534,946	\$ 4,420,004	\$ 1,190,022	\$ 15,508,561	\$ 21,118,587	\$ 21,118,587	\$ (1,382,513)	\$ 34,271,020	19	100.00%	TOTALS

ISO NE Transmission, Markets & Services Tariff		
OATT Regional Schedule 1 - Scheduling System Control and Dispatch Service Rate		
Effective June 1, 2013 - May 31, 2014		
(Reflecting 2012 Schedule 1 Costs)		
COMPANY		SCHEDULE 1 DISTRIBUTION %
Bangor Hydro Electric Company		2.18775%
Braintree Electric Light Department		0.02364%
Central Maine Power Company		11.35324%
Fitchburg Gas and Electric Light Company		0.03438%
Hudson Light & Power Department		0.01697%
Maine Electric Power Company		0.54330%
Massachusetts Municipal Wholesale Electric		0.16494%
Middleborough Gas & Electric Department		0.00750%
New England Power Company		18.83104%
Northeast Utilities		44.14944%
NSTAR Electric Company		15.30025%
Reading Municipal Light Plant		0.02489%
Taunton Municipal Light Plant		0.03161%
United Illuminating Company		0.03249%
Vermont Transco LLC		7.29857%
	TOTAL =	100.00%

**PTOs' Annual Revenue Requirement Calculations
Pursuant to Schedule 1 and based on 2012 Data**

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/12**

Sheet: Input Panel

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

 Shading denotes an input

Effective:	<div style="background-color: #d4edda; border: 1px solid #c3e6cb; padding: 2px 5px; text-align: center;">6/1/2013</div>
Submitted on:	<div style="background-color: #d4edda; border: 1px solid #c3e6cb; padding: 2px 5px; text-align: center;">5/7/2013</div>
Revenue Requirements for (year):	<div style="background-color: #d4edda; border: 1px solid #c3e6cb; padding: 2px 5px; text-align: center;">Unadjusted Test Year ended 12/31/12</div>
Customer:	<div style="background-color: #d4edda; border: 1px solid #c3e6cb; padding: 2px 5px; text-align: center;">Central Maine Power Company</div>
Customer's NABs Number:	<div style="background-color: #d4edda; border: 1px solid #c3e6cb; padding: 2px 5px; text-align: center;">06</div>
Name of Participant responsible for customer's billing:	<div style="background-color: #d4edda; border: 1px solid #c3e6cb; padding: 2px 5px; text-align: center;">Central Maine Power Company</div>
DUNs number of Participant responsible for customer's billing:	<div style="background-color: #d4edda; border: 1px solid #c3e6cb; padding: 2px 5px; text-align: center;">006948954</div>

	=	2012 Revenue Requirements
Total of Appendix A - Sections A through I	=	<div style="border-bottom: 1px solid black; display: inline-block; text-align: right;">7,224,061</div> (a)
Total of Appendix A - Section J - Support Revenue		<div style="border-bottom: 1px solid black; display: inline-block; text-align: right;">447,383</div> (b)
Total Annual Revenue Requirement		<div style="border-bottom: 3px double black; display: inline-block; text-align: right;">\$ 6,776,678</div> (c)=(a)-(b)
Transmission Related Revenue Requirement		<div style="border-bottom: 1px solid black; display: inline-block; text-align: right;">\$ 6,776,678</div> (d)= (c)* Satellite Wages & Salaries Allocation Factor
PTF Related Revenue Requirement		<div style="border-bottom: 3px double black; display: inline-block; text-align: right;">\$ 4,036,949</div> (e)= (d)* Satellite PTF Allocation Factor

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/12**

Worksheet 1 of 11

Line No.		Formula Reference		Reference
	II. INVESTMENT BASE	<i>Section:</i>		
1	Local Control Center Plant	II (A)(1)(a)	\$ 23,215,509	Worksheet 3, line 1 column 3
3	Plant Held For Future Use	II (A)(1)(b)	2,147	Worksheet 3, line 3 column 3
4	Total Plant (Lines 1+2+3)		23,217,656	
5	Accumulated Depreciation	II (A)(1)(c)	13,849,448	Worksheet 3, line 5 column 3
6	Accumulated Deferred Income Taxes	II (A)(1)(d)	4,033,177	Worksheet 3, line 10 column 3
7	Loss On Reacquired Debt	II (A)(1)(e)	24,329	Worksheet 3, line 12 column 3
8	Other Regulatory Assets	II (A)(1)(f)	2,812,855	Worksheet 3, line 17 column 3
9	Net Investment (Line 4-5-6+7+8)		8,172,215	
11	Prepayments	II (A)(1)(g)	27,530	Worksheet 3, line 19 column 3
12	Materials & Supplies	II (A)(1)(h)	140,855	Worksheet 3, line 21 column 3
13	Cash Working Capital	II (A)(1)(i)	659,159	Worksheet 3, line 28 column 3
14	Total Investment Base (Line 9+11+12+13)		\$ 8,999,759	
	II. REVENUE REQUIREMENTS			
15	Investment Return and Income Taxes	II (A)	\$ 1,276,426	Worksheet 2, line 44
16	Depreciation Expense	II (B)	546,147	Worksheet 4, line 1 column 3
17	Amortization of Loss on Reacquired Debt	II (C)	7,280	Worksheet 4, line 3 column 3
18	Investment Tax Credit	II (D)	(7,318)	Worksheet 4, line 5 column 3
19	Municipal Taxes	II (E)	128,258	Worksheet 4, line 7 column 3
20	Payroll Taxes	II (F)	0	Worksheet 4, line 9 column 3
21	Operation & Maintenance Expense	II (G)	3,178,161	Worksheet 4, line 16 column 3
22	Administrative & General Expense	II (H)	2,095,107	Worksheet 4, line 22 column 3
24	Transmission Support Revenue	II (I)	(447,383)	Worksheet 11, line 6
30	Total Revenue Requirements (Line 15 thru 29)		\$ 6,776,678	
	Local Control Center Wages and Salaries Allocation Factor		100.00%	Worksheet 5, line 20
	Transmission Related Revenue Requirement		\$ 6,776,678	
	Local Control Center PTF Allocation Factor		59.57%	Worksheet 5, line 29
	PTF Transmission Related Revenue Requirement		\$ 4,036,949	

CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/12

Worksheet 2 of 11

	CAPITALIZATION 12/31/12	CAPITALIZATION RATIOS	COST OF CAPITAL	COST OF CAPITAL	EQUITY PORTION	
1 LONG-TERM DEBT	\$ 760,200,000	38.157%	5.422%	2.069%		Worksheet 9, line 5
2 PREFERRED STOCK	571,300	0.029%	6.000%	0.002%	0.002%	Worksheet 9, line 6
3 COMMON EQUITY	1,231,502,338	61.814%	11.640%	7.195%	7.195%	Worksheet 9, line 7
4						
5 TOTAL INVESTMENT RETURN	\$ 1,992,273,638	100.00%		9.266%	7.197%	
6						
7 New Inv Adder Calc.		61.814%	0.50%	0.309%	0.309%	0.522% including FIT&SIT
8						
9 Cost of Capital Rate=						
10						
11 (a) Weighted Cost of Capital	=	0.0927				
12						
13						
14 (b) Federal Income Tax	=	$\left(\frac{\text{R.O.E.} + \left(\frac{\text{Satellite Inv. Tax Credit -w/s 1, line 18} + \text{Equity AFUDC w/s 10, line 47}}{\text{Satellite Inv. Base}} \right)}{1} \right) \times \frac{\text{Federal Income Tax Rate}}{\text{Federal Income Tax Rate}}$				
15						
16						
17	=	$\left(\frac{0.0720 + \left(\frac{(7,318) + 1,556}{8,999,759} \right)}{1} \right) \times 0.35$				
18						
19						
20	=	0.0384084				
21						
22						
23 (c) State Income Tax	=	$\left(\frac{\text{R.O.E.} + \left(\frac{\text{Satellite Inv. (Tax Credit} + \text{Eq. AFUDC of Deprec. Exp.)}}{\text{Satellite Inv. Base}} \right)}{1} \right) + \frac{\text{Federal Income Tax}}{\text{State Income Tax Rate}} \times \text{State Income Tax Rate}$				
24						
25						
26	=	$\left(\frac{0.0720 + \left(\frac{(7,318) + 1,556}{8,999,759} \right)}{1} \right) + 0.0384084 \times 0.0893$				
27						
28						
29	=	0.0107605				
30						
31						
32						
33 (a)+(b)+(c) Cost of Capital Rate	=	0.1418289				
34						
35						
36						
37						

	Satellite	post 2003 ptf (Incremental Return Calc)	Investment Return & Taxes including Incremental Return	
38				
39				
40 INVESTMENT BASE	\$ 8,999,759	0		
41				
42 x Cost of Capital Rate	0.1418289	0.0052200		
43				
44 = Investment Return and Income Taxes	1,276,426	0	1,276,426 w/s 1 line 15	

Investment Base Calculation for Incremental Return

Post 2003 Inv	= \$	-	ws 6
Deprec Res		-	ws 7
ADITs			tax dept
Investment Base	\$	-	

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/12**

Worksheet 3 of 11

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	<u>Local Control Center Plant</u>	23,215,509	23,215,509	Worksheet 6, c.(a) l.17
2				
3	<u>Local Control Center Plant Held for Future Use</u>	209,797	1.0235% (a) 2,147	Worksheet 11, line 1
4				
5	<u>Local Control Center Accumulated Depreciation</u>	(13,849,448)	(13,849,448)	Worksheet 6, c.(b) l.17
6				
7	<u>Local Control Center Accumulated Deferred Taxes</u>			
8	Accumulated Deferred Taxes (281-283)	(458,865,442)	1.0235% (a) (4,696,488)	Worksheet 11, line 3
9	Accumulated Deferred Taxes (190)	64,808,152	1.0235% (a) 663,311	Worksheet 11, line 2
10	Total (line 8+9)	(394,057,290)	(4,033,177)	
11				
12	<u>Unamortized loss on Reacquired Debt</u>	2,377,072	1.0235% (a) 24,329	Page 111.81c
13				
14	<u>Other Regulatory Assets</u>			
15	FAS 106	7,812,765	4.7206% (b) 368,809	Page 232.1, lines 18f
16	FAS 109	238,792,993	1.0235% (a) 2,444,046	Page 232.1, line 27f - Page 278 34f
17	Total (line 12+13)	246,605,758	2,812,855	
18				
19	<u>Prepayments</u>	2,689,778	1.0235% (a) 27,530	Page 111.57c
20				
21	<u>Total Materials and Supplies</u>	13,762,060	1.0235% (a) 140,855	Worksheet 11, line 4
22				
23	<u>Cash Working Capital</u>			
24	Operation & Maintenance Expense		3,178,161	Worksheet 1, Line 21
25	Administrative & General Expense		2,095,107	Worksheet 1, Line 22
26	Subtotal (line 18+19+20)		5,273,268	
27			0.125	x 45 / 360
28	Total (line 21 * line 22)		659,159	

(a) Worksheet 5, line 37
(b) Worksheet 5, line 11

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/12**

Worksheet 4 of 11

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	546,147		546,147	Worksheet 6, c.d, l. 17
2				
3	711,262	1.0235% (b)	7,280	Page 117.64c
4				
5	(714,950)	1.0235% (b)	(7,318)	Page 266.8.f
6				
7	12,531,300	1.0235% (b)	128,258	w/s 11, line 5
8				
9	-	4.7206% (a)	-	
10				
11				
12	0			Page 321.77b
13	3,178,161			Page 321.84b thru 88b & ws 7
14	0			581 excluded from Transmission
15	-			ISO Tariff costs charged to 565
16	<u>3,178,161</u>		<u>3,178,161</u>	
17				
18				
19	44,308,794	4.7206% (a)	2,091,641	Worksheet 8, line 30
20	338,682	1.0235% (b)	3,466	Worksheet 8, line 33
21	-	100.0000%	-	Worksheet 8, lines 15& 18
22	<u>44,647,476</u>		<u>2,095,107</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 12/31/12**

Worksheet 5 of 11

Sch. 1 Rate
Worksheet or
FERC Form 1
Reference

Line No.			
1			
2	<u>Wages and Salaries Allocation Factor</u>	<u>2012</u>	
3			
4	Total Local Control Center Direct Wages and Salaries	1,753,638	worksheet 7, c.(d),l.5
5			
6	Total Wages and Salaries	42,224,703	Page 354.28b
7	Administrative and General Wages and Salaries	5,076,073	Page 354.27b
8	Affiliated Company Wages and Salaries less A&G	-	
9	Total Wages and Salaries net of A&G (line 6-7)	37,148,630	
10			
11	Percent Allocation (lines 4 / 9)	<u><u>4.7206%</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	1,753,638	worksheet 7, c.(d),l.2
17			
18	Total Local Control Center Direct Wages and Salaries	1,753,638	worksheet 5, l.4
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	1,044,663	worksheet 7, c.(e),l.2
26			
27	Total Transmission Local Control Center Direct Wages and Salaries	1,753,638	worksheet 5, l.4
28			
29	Percent Allocation (line 25/27)	<u><u>59.5712%</u></u>	
30			
31			
32	<u>Local Control Center Plant Allocation Factor</u>		
33			
34	Total Investment in Local Control Center Plant	23,215,509	worksheet 6, c.(a),l.17
35	Total Plant in Service	2,268,245,626	Page 207.104g
36			
37	Percent Allocation (lines 34/35)	<u><u>1.0235%</u></u>	

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/12**

Worksheet 6 of 11

/-----12/31/12-----/				
<u>PROPERTY DESCRIPTION</u>	<u>COST</u>	<u>RESERVE</u>	<u>2012 DEPRECIATION</u>	<u>ref</u>
	(a)	(b)	©	
1 FURNITURE & EQUIPMENT	2,691,456	405,037	55,341	Fixed Assets
2 STRUCTURE COSTS & MAP BOARDS	5,250,074	1,782,436	116,459	Fixed Assets
3 UPS	284,858	169,226	10,550	Fixed Assets
4 COMMUNICATION EQUIPMENT	815,265	703,739	55,341	Fixed Assets
5 EMS HARDWARE	1,834,871	1,707,541	203,854	Fixed Assets
6				Fixed Assets
7				Fixed Assets
8				Fixed Assets
9 EMS SOFTWARE	7,900,188	7,900,188	-	Fixed Assets
10 S/S & GEN STA. RTUs & SCADA	4,438,797	1,181,281	104,601	Fixed Assets
11				Fixed Assets
12				Fixed Assets
13				Fixed Assets
14				Fixed Assets
15				
16				
17 TOTALS	23,215,509	13,849,448	546,147	

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/12**

Worksheet 7 of 11

FERC ACCT			TOTAL EXPENSE	P/R OH & OTHER EXPENSES	SALARIES & WAGES	PTF SALARIES & WAGES	NON-PTF SALARIES & WAGES
			(a)	(b)	©	(d)	(e)
1	561.1 Load Dispatch-Reliability	Page 321.85b	\$ 846,535	\$ 432,811	\$ 413,724	246,460	167,264
2	561.2 Load Dispatch-Monitor & Operate Transmission System	Page 321.86b	2,317,870	977,956	1,339,914	798,203	541,711
	561.3 Load Dispatch-Transmisssion Service & Scheduling	Page 321.87b	13,756	13,756	-	-	-
3	561.4 Scheduling, System Control & Dispatch Services	Page 321.88b	-	-	-	-	-
4							
5	TOTAL		\$ 3,178,161	\$ 1,424,523	\$ 1,753,638	1,044,663	708,975
6							

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/12**

Worksheet 8 of 11

Acc't	Description	Amount	
1	920 Administrative and General Salaries	7,325,421	
2	921 Office Supplies and Expenses	3,118,313	
3	922 Less Administrative Expenses Transferred - Credit	(379,693)	
4	923 Outside Services Employed	25,347,028	
5	924 Property Insurance	338,682	
6	925 Injuries and Damages	2,345,763	
7	926 Employee Pensions and Benefits	(7,692,128)	
8	928 Regulatory Commissions Expense	7,911,556	
9	930.1 General Advertising	895,812	
10	930.2 Miscellaneous General Expense	2,606,359	
11	931 Rents	1,350,499	
12	935 Maintenance of General Plant	2,192,034	
13	Total Admin & Gen'l Exp.	45,359,646	Page 323.197b
14	FERC assessments - Transmission (directly assigned)	773,927	
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)	773,927	FF1 page 350.d
18	State assessments - Satellite (directly assigned)	-	to worksheet 4, line 21
19	Total State & other Assessments	7,137,629	FF1 page 350.d
	928 Total Regulatory Commissions Expense: (16+18) & from line 8	7,911,556	FF1 page 46.d
20			
21	General Advertising - Transmission related	-	
22	Non-Satellite related General Advertising Exp.	895,812	
	930.1 Total General Advertising Exp. (line 9)	895,812	Page 323 191.b
23	Summary of Schedule 1 Treatment of A&G		
24	Total A&G (line 13)	45,359,646	
25	924 less Property Insurance (line 5)	338,682	
26	928 less Regulatory Commissions Exp. (line 19)	7,911,556	
27	930.1 less Non-Trans. General Advertising Exp. (line 9)	895,812	
28	920-935 less EPRI Expenses	-	
29	926 less pension credit directly assigned to T&D	(8,095,198)	MPUC Docket Nos. 2007-215/2008-111
30	A&G subject to Wages and Salaries Allocation Factor:	44,308,794	to ws 4, line 19, col. 1
31	Property Insurance (line 5)	338,682	
32	Regulatory Commissions Exp. - FERC assessments (line 15)	-	
33	Total A&G subject to Plant Allocation Factor	338,682	to ws 4, line 20, col. 1

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/12**

Worksheet 9 of 11

			CAPITALIZATION 12/31/12	CAPITALIZATION RATIOS	COST OF CAPITAL	ANNUAL INTEREST	COST OF CAPITAL	EQUITY PORTION
1	MED-TERM NOTES	page 123.5	365,700,000	18.356%	6.693%	24,477,424		
2	POLLUTION CONTROL NOTES	page 123.5	19,500,000	0.979%	5.594%	1,090,895		
3	FAME	page 123.5	-	0.000%	0.000%	-		
4	MORTGAGE BONDS	page 123.5	375,000,000	18.823%	4.265%	15,995,006		
5	TOTAL LONG-TERM DEBT		760,200,000	38.158%	5.422%	41,563,325	2.069%	
6	PREFERRED STOCK	page 123.6 and page 112.3d	571,300	0.029%	6.000%		0.002%	0.002%
7	COMMON EQUITY	page 112.16d less line 3d	1,231,502,338	61.814%	11.640%		7.195%	7.195%
8								
9	TOTAL INVESTMENT RETURN		1,992,273,638	100.00%			9.266%	7.197%
10								
11								
12	Capitalization excludes short term debt(i.e. Revolving Credit Agreement)							
13								

**CENTRAL MAINE POWER COMPANY
LOCAL CONTROL CENTER REVENUE REQUIREMENTS
FOR THE TEST YEAR ENDED 12/31/12**

Source: USS

Worksheet 10 of 11

	<u>Vintage</u>	<u>Cost</u>	<u>AFUDC</u>	<u>% of Total</u>
	<u>Transmission Assets:</u>			
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%
	2011	29,046,140	374,354	1.29%
42	2012	100,664,413	342,000	0.34%
43	totals	580,968,500	8,644,555	1.49%

Transmission Plant related Depreciation Expense: \$ 104,601 From Worksheet 6, line 11

AFUDC Adjustment **1,556** To Worksheet 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 12/31/12**

Worksheet 11 of 11

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	Page 200, line 10c	3,606,109	3,396,312	209,797	w/s 3, line 3
	Accumulated Deferred Income Taxes:					
2	190	Page 234.8c	86,515,132	21,706,980	64,808,152	w/s 3, line 9
	282	Page 113.63c	(535,835,821)	154,213,333	(381,622,488)	
	283	Page 113.64c	(80,188,954)	2,946,000	(77,242,954)	
3	subtotal 281-283		(616,024,775)	157,159,333	(458,865,442)	w/s 3, line 8
4	Materials & Supplies	Page 227.11c	21,172,410	7,410,350	13,762,060	w/s 3, line 21
	Total Real and Personal Propoerty 408.1	Page 263.14 i	21,785,987	9,254,687	12,531,300	
	Less Sales & Use Taxes		-	-	-	
5	Property Taxes		21,785,987	9,254,687	12,531,300	w/s 4, line 7

Local Control Center Support Revenues & Rents:

MEPCO	\$	(166,266)	454099	PE78946	
BHE		(259,679)	454010	PE78946	
Microwave		(21,438)	454000	PE78947	
6 Total LCC Revenue	\$	(447,383)			w/s 1 line 24

NSTAR Electric Company
Annual Schedule 1 Revenue Requirements - Dispatch Center
Cost Year: 2012
Sheet 1

	(a)	(b)	(c)	(d)
Line	Description	Tariff Section	Amount	Reference
1	Dispatch Center Investment Base	A.1		
2	Dispatch Center Plant	A.1.a	\$ 11,270,751	Sheet 3, Line 1(f)
3	Dispatch Center Related General Plant	A.1.b	\$ 3,048,954	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>\$ 14,319,705</u>	
6	Dispatch Center Related Depreciation Reserve	A.1.d	\$ 5,123,191	Sheet 3, Line 7(f)
7	Dispatch Center Related Accumulated Deferred Taxes	A.1.e	\$ 3,938,078	Sheet 3, Line 13(f)
8	Total Net Plant (line 5 - 6 - 7)		<u>\$ 5,258,436</u>	
9	Other Regulatory Assets	A.1.f	\$ 112,075	Sheet 3, Line 18(f)
10	Dispatch Center Prepayments	A.1.g	\$ 7,416	Sheet 3, Line 19(f)
11	Dispatch Center Materials & Supplies	A.1.h	\$ 8,829	Sheet 3, Line 20(f)
12	Dispatch Center Related Cash Working Capital	A.1.i	\$ 635,082	Sheet 3, Line 24(f)
13	Total Dispatch Center Investment Base (sum of lines [8-12])		<u><u>\$ 6,021,838</u></u>	
14	Revenue Requirements			
15	Investment Return and Income Taxes	A.2	\$ 786,386	Sheet 2, Line 38(c)
16	Dispatch Center Depreciation Expense	B	\$ 418,347	Sheet 4, Line 4(f)
17	Dispatch Center Related Amortization of Investment Tax Credits	C	\$ (3,236)	Sheet 4, Line 5(f)
18	Dispatch Center Related Municipal Tax Expense	D	\$ 256,280	Sheet 4, Line 6(f)
19	Dispatch Center Related Payroll Tax Expense	E	\$ 177,711	Sheet 4, Line 7(f)
20	Dispatch Center Operation & Maintenance Expense	F	\$ 2,688,877	Sheet 4, Line 14(f)
21	Dispatch Center Related Administrative and General Expenses	G	\$ 2,391,777	Sheet 4, Line 25(f)
22	Total Revenue Requirements (sum of lines [15-21])		<u><u>\$ 6,716,142</u></u>	
23	PTF Transmission Plant Allocator		81.5268%	RNS Sheet 6
24	PTF Revenue Requirement for SCADA (line 22 * 23)		<u><u>\$ 5,475,456</u></u>	Line 22 * Line 23

Investment Return and Income Taxes
Cost Year: 2012
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	\$ 1,594,560,685	41.52%	4.86% D1	2.02%		Page 112.24c
3	Preferred Stock	A.2.a.ii	\$ 43,000,000	1.12%	4.56% D	0.05%	0.05%	Page 112.3c
4	Common Equity	A.2.a.iii	\$ 2,202,625,068	57.36%	11.64% *	6.68%	6.68%	Page 112.16c (less Line 3)
5	Total (line 2 + 3 + 4)		\$ 3,840,185,753	100.00%		8.75%	6.73%	
6	Total Investment Base		\$ 6,021,838					Sheet 1, Line 13(c)
7	Weighted Cost of Capital		8.75%					Line 5, Col (f)
8	Total Return on Investment		\$ 526,911					Line 6 * Line 7
9	Federal Income Tax	A.2.b						
10	A = Equity Cost		6.73%					Line 5, Col (g)
11	B = Transmission Amortization of ITC		\$ (3,236)					Sheet 4, Line 5(f)
12	C = Equity AFUDC		\$ -					
13	Total B + C		\$ (3,236)					Line 11 + Line 12
14	D = Investment Base		\$ 6,021,838					Line 6
15	(B + C) / D		-0.0537%					Line 13 / Line 14
16	(A + [(C + B) / D])		6.6763%					Line 10 + Line 15
17	FT = Federal Income Tax Rate		35.00%					
18	1 - FT		65.00%					1 - Line 17
19	Federal Tax Factor		3.5949%					Line 16 * Line 17 / Line 18
20	Total Federal Income Taxes		\$ 216,479					Line 14 * Line 19
21	State Income Tax	A.2.c						
22	A = Equity Cost		6.73%					Line 5, Col (g)
23	B = Transmission Amortization of ITC		\$ (3,236)					Sheet 4, Line 5(f)
24	C = Equity AFUDC		\$ -					
25	Total B + C		\$ (3,236)					Line 23 + Line 24
26	D = Investment Base		\$ 6,021,838					Line 6
27	(B + C) / D		-0.0537%					Line 25 / Line 26
28	(A + [(C + B) / D])		6.6763%					Line 22 + Line 27
29	ST = State Income Tax Rate		6.50%					
30	1 - ST		93.50%					1 - Line 29
31	Federal Tax Factor		3.5949%					Line 22
32	State Tax Factor		0.7140%					(Line 28 + Line 31) * Line 29 / Line 30
33	Total State Income Taxes		\$ 42,996					Line 26 * Line 32
34	Investment Return and Income Taxes	A.2						
35	Return on Investment		\$ 526,911					Line 8
36	Federal Income Taxes		\$ 216,479					Line 20
37	State Income Taxes		\$ 42,996					Line 33
38	Total Investment Return and Income Taxes		\$ 786,386					Sum Lines 35 thru 37
39	Value of 50BP ROE Adder							
40	ROE Adder		0.50%					Per Tariff
41	Equity Ratio		57.36%					Line 4, Col (d)
42	Effective Adder		0.29%					Line 40 * Line 41
43	Tax Gross-up		0.1872%					Line 42 * .6454134 (w/p c)
44	Adder plus Gross-up		0.4772%					Line 42 + Line 43
45	Rate Base		\$ 6,021,838					Line 6
46	Earned Adder		\$ 28,736					Line 44 * Line 45
47	PTF Ratio		81.5268%					RNS Sheet 6
48	PTF Related Adder		\$ 23,428					Line 46 * Line 47

* ROE = FERC approved base ROE of 11.14 plus 50bp adder for RTO participation

NSTAR Electric Company
Dispatch Center Investment Base
Cost Year: 2012
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				<u>\$ 11,270,751</u>	Sheet 6, Line 12(c)
2	Dispatch Center Related General Plant	A.1.b	\$ 186,400,569	W&S	1.6357%	<u>\$ 3,048,954</u>	FF1 207.99g
3	Dispatch Center Plant Held for Future Use	A.1.c				<u>\$ -</u>	FF1 214
4	Dispatch Center Related Depreciation Reserve	A.1.d					
5	Dispatch Center Depreciation Reserve					\$ 4,210,692	FF1 219.25b (part)
6	Transmission Related General Depreciation Reserve		\$ 55,786,444	W&S	1.6357%	\$ 912,499	FF1 219.28b
7	Total Dispatch Center Related Depreciation Reserve (line 5 + 6)					<u>\$ 5,123,191</u>	
8	Dispatch Center Related Accumulated Deferred Taxes	A.1.e					
9	ADIT - Accelerated Amortization Property (Acct #281)		\$ -	Plant	0.2379%	\$ -	FF1 273.17k
10	ADIT - Other Property (Acct #282)		\$ 941,158,843	Plant	0.2379%	\$ 2,239,017	Line 27
11	ADIT - Other (Acct #283)					\$ 2,103,297	Sheet 7
12	Less: ADIT (Acct #190)					\$ 404,236	Sheet 7
13	Total Dispatch Center Related ADIT (line 9 + 10 + 11 - 12)					<u>\$ 3,938,078</u>	
14	Other Regulatory Assets	A.1.f					
15	FAS 106		\$ -	W&S	1.6357%	\$ -	FF1 232.1.25f
16	ASC 740 Regulatory Asset (FAS 109)		\$ 52,377,950	Plant	0.2379%	\$ 124,607	FF1 232.1.14f
17	Less: ASC 740 Regulatory Liability (FAS 109)		\$ 5,267,614	Plant	0.2379%	\$ 12,532	FF1 278.2f
18	Total Other Regulatory Assets (line 15 + 16 - 17)		<u>\$ 47,110,336</u>			<u>\$ 112,075</u>	
19	Dispatch Center Prepayments	A.1.g	\$ 453,389	W&S	1.6357%	\$ 7,416	FF1 111.57c
20	Dispatch Center Materials and Supplies	A.1.h	\$ 3,711,204	Plant	0.2379%	\$ 8,829	FF1 227.8c + 5c fn
21	Dispatch Center Related Cash Working Capital	A.1.i					
22	Dispatch Center Operation and Maintenance Expense		\$ 2,688,877	WC	12.50%	\$ 336,110	Sheet 4, Line 14(f)
23	Dispatch Center Related Administrative and General Expense		\$ 2,391,777	WC	12.50%	\$ 298,972	Sheet 4, Line 25(f)
24	Total Dispatch Center Related Cash Working Capital (line 22 + 23)		<u>\$ 5,080,654</u>			<u>\$ 635,082</u>	
25	Account 282		\$ 941,158,843	FF1 275.9k			
26	less amounts related to divestiture		\$ -	FF1 275.4k			
27	Total Account 282 (line 25 + 26)		<u>\$ 941,158,843</u>				

Notes:

	Description	Allocation Factor	Reference
28	Wages & Salary Allocation (W&S)	1.6357%	Sheet 6, Line 6(c)
29	Plant Allocation Allocation (Plant)	0.2379%	Sheet 6, Line 16(c)
30	Cash Working Capital (WC)	12.50%	OATT - Schedule 1, A.1.i

NSTAR Electric Company
Dispatch Center Expenses
Cost Year: 2012
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					\$ 275,575	See Line 36
3	General Plant Depreciation Expense		\$ 8,728,495	W&S	1.6357%	\$ 142,772	FF1 336.10f
4	Total Dispatch Center Depreciation Expense (line 2 + 3)					<u>\$ 418,347</u>	
5	Dispatch Center Related Amortization of Investment Tax Credits	C	\$ (1,360,176)	Plant	0.2379%	<u>\$ (3,236)</u>	FF1 266.8f & 11f
6	Dispatch Center Related Municipal Tax Expense	D	\$ 107,726,099	Plant	0.2379%	<u>\$ 256,280</u>	FF1 263.5i
7	Dispatch Center Related Payroll Tax Expense	E	\$ 10,864,546	W&S	1.6357%	<u>\$ 177,711</u>	FF1 263.8i
8	Dispatch Center Operations & Maintenance Expense	F					
9	Load dispatching #561		\$ -	Direct	100.0000%	\$ -	FF1 321.84b
10	Load dispatching - Reliability #561.1		\$ 1,029,998	Direct	100.0000%	\$ 1,029,998	FF1 321.85b
11	Load dispatching - Mon & Oper Trans System 561.2		\$ 1,067,629	Direct	100.0000%	\$ 1,067,629	FF1 321.86b
12	Load dispatching - Trans Service & Scheduling #561.3		\$ 591,250	Direct	100.0000%	\$ 591,250	FF1 321.87b
13	Scheduling, System Control and Dispatch Services #561.4		\$ 11,617,457		0%	\$ -	FF1 321.88b
14	Total Dispatch Center O&M Expense (sum of lines [9-13])		<u>\$ 14,306,334</u>			<u>\$ 2,688,877</u>	
15	Dispatch Center Related Administrative & General Expenses	G					
16	Administrative and General Expenses		\$ 157,057,126				FF1 323.197b
17	less: Office Supplies and Expenses (921)		\$ 604,784				FF1: Page 323.182(b) fn
18	less: Outside Services Employed (923)		\$ 238,210				FF1: Page 323.184(b) fn
19	less: Property Insurance (Acct #924)		\$ 657,191				FF1 323.185b
20	less: Regulatory Commission Expenses (Acct #928)		\$ 8,900,666				FF1 323.189b
21	less: General Advertising Expenses (Acct #930.1)		\$ 760,921				FF1 323.191b
22	Subtotal (line 16 - sum of lines[17-21])		\$ 145,895,354	W&S	1.6357%	\$ 2,386,410	
23	Property Insurance		\$ 657,191	Plant	0.2379%	\$ 1,563	FF1 323.185b
24	FERC Assessments in Regulatory Commission Expenses (Acct #928)		\$ 1,598,935	Plant	0.2379%	\$ 3,804	FF1 350.8d
25	Total Dispatch Center Related A&G Expenses (sum of lines [22-24])		<u>\$ 148,151,480</u>			<u>\$ 2,391,777</u>	

NOTES:

	Description	Allocation Factor	Reference
26	Direct Allocation (Direct)	100.0000%	
27	Wages & Salaries Allocation (W&S)	1.6357%	Sheet 6, Line 6(c)
28	Plant Allocation (Plant)	0.2379%	Sheet 6, Line 16(c)

	Description	Total Investment	Life Depr. Rate	Depreciation Expense	Reference
32					
33	Mass. Ave. Service Center - 431 (Trans. Station Equipment)	\$ 7,916,648	2.53%	\$ 200,291	Sheet 6, Line 9(c)
34	SCADA Mass. Ave. - 421 (Trans. & Conversion Station Structures)	\$ 2,816,142	2.19%	\$ 61,674	Sheet 6, Line 10(c)
35	SCADA Mass. Ave. - 431 (Trans. Station Equipment)	\$ 537,962	2.53%	\$ 13,610	Sheet 6, Line 11(c)
36	Total	\$ 11,270,752		\$ 275,575	Sum Lines 33 thru 35

Attachment 7

Service List of State Regulators and Other Interested Parties

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Attachment 8

Service List of Participating Transmission Owners

**Service List of
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